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CATÁLOGO **2022/2023**

IMPULSORES DE PARTIDA

STARTER DRIVE CATALOGUE | CATÁLOGO DE IMPULSORES DE ARRANQUE

HIGH-END 3D RENDER · PRODUTOS RENDERIZADOS · RENDERED PRODUCTS · PRODUCTOS RENDERIZADOS

BR | EN | ES

BZM

No ano de 2000 nasce a BZM, empresa especializada no processo de extrusão a frio. Localizada em Gaspar, Santa Catarina, Brasil, a empresa vem crescendo e hoje possui mais de 1.000 modelos de Impulsores de Partida em sua linha, cuja fabricação é 100% brasileira.

Ao longo dessas duas décadas, a empresa vem investindo em tecnologia de ponta, inovando continuamente seu parque fabril, contando com modernas máquinas e equipamentos. Com profissionais altamente qualificados, vem acompanhando o exigente mercado de auto peças, sempre visando a satisfação de seus clientes e colaboradores, e zelando pela sociedade e o meio ambiente.

A qualidade de seus produtos é reconhecida no Brasil e no exterior através de uma importante rede de distribuidores, contando com uma eficiente logística.

Sempre em busca novas oportunidades, a empresa vem crescendo constantemente. No ano de 2013 iniciou a fabricação de Polias de Roda Livre e no ano de 2015 foi a vez da fabricação de Buzinas.

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EN | *BZM, a specialized company in cold extrusion process, began in 2000. Located in Gaspar, Santa Catarina, Brazil, the company has been growing since and today has more than 1000 Starter Drive models in its line, which production is 100% Brazilian. Throughout these two decades, the company has been investing in cutting edge technology, continuously innovating its industrial park, and also has modern machinery and equipment. With highly qualified professionals, BZM follows the demanding auto parts market, always aiming at customers and employees satisfaction, also caring for society and environment. Its products quality is recognized in Brazil and abroad through an important distributors network, having an excellent logistic. Seeking for new opportunities, the company improves itself constantly. In 2013 began the Overrunning Alternator Pulley manufacturing, and in 2015 was the time of Horn Car manufacturing.*

ES | *En el año 2000 nació BZM, una emplesa especializada en el proceso de extrusión en frio. Localizada en Gaspar, Santa Catarina, Brasil, la emplesa viene creciendo y hoy tiene más de 1000 modelos de Impulsores de Arranque en su línea, siendo la producción 100% brasileña. A lo largo destas duas décadas la emplesa tiene investido en tecnología de punta, inovando continuamente su parque industrial, contando con máquinas y equipamientos modernos. Con profesionales altamente calificados, acompaña el exigente mercado de autopiezas, siempre visando la satisfacción de sus clientes y colaboradores, y custodiando la sociedade y el medio ambiente. La calidad de sus productos es reconocida en Brasil y exterior atraves de una inportante rede de distribuidores, con una logística eficiente. Siempre en busca de nuevas oportunidades, la enplesa crece constantemente. En el año 2013 empezou su fabricación de Poleas de Rueda Libre, y en el año 2015 la fabricación de Bocinas para vehiculos.*

Tenha nosso catálogo sempre em mãos!

Buscando melhorar a experiência de nossos clientes, implantamos a tecnologia do QR CODE em nosso catálogo. A partir de agora você pode ter acesso imediato à informações detalhadas e atualizadas.

Para isso, basta abrir a câmera do seu celular e apontar para o QR CODE.*

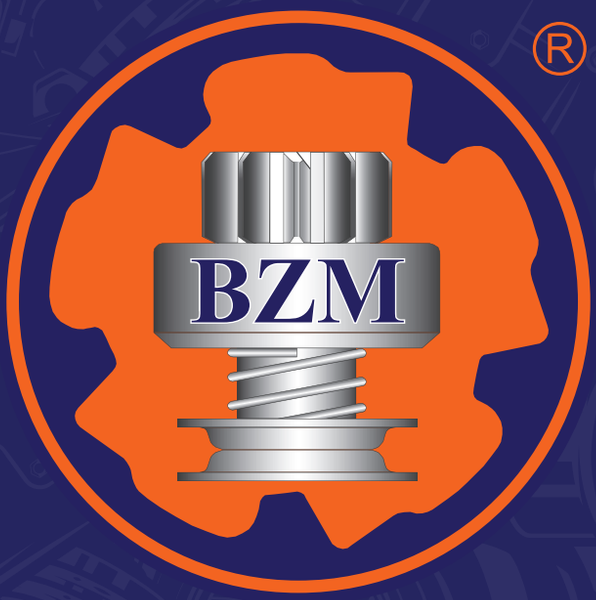


*Caso seu celular não seja compatível com esta tecnologia, será necessário utilizar um aplicativo ou ferramenta para leitura de QR CODE.

EN | *Always have our catalogue at hand! Seeking to improve our customer experience, we implemented the QR CODE technology in our catalogue. From now on you can immediately access detailed and up to date information. To this end just open your smartphone camera and scan the QR CODE. If your smartphone is not compatible with this technology, it shall be necessary to use an app to read the QR CODE.*

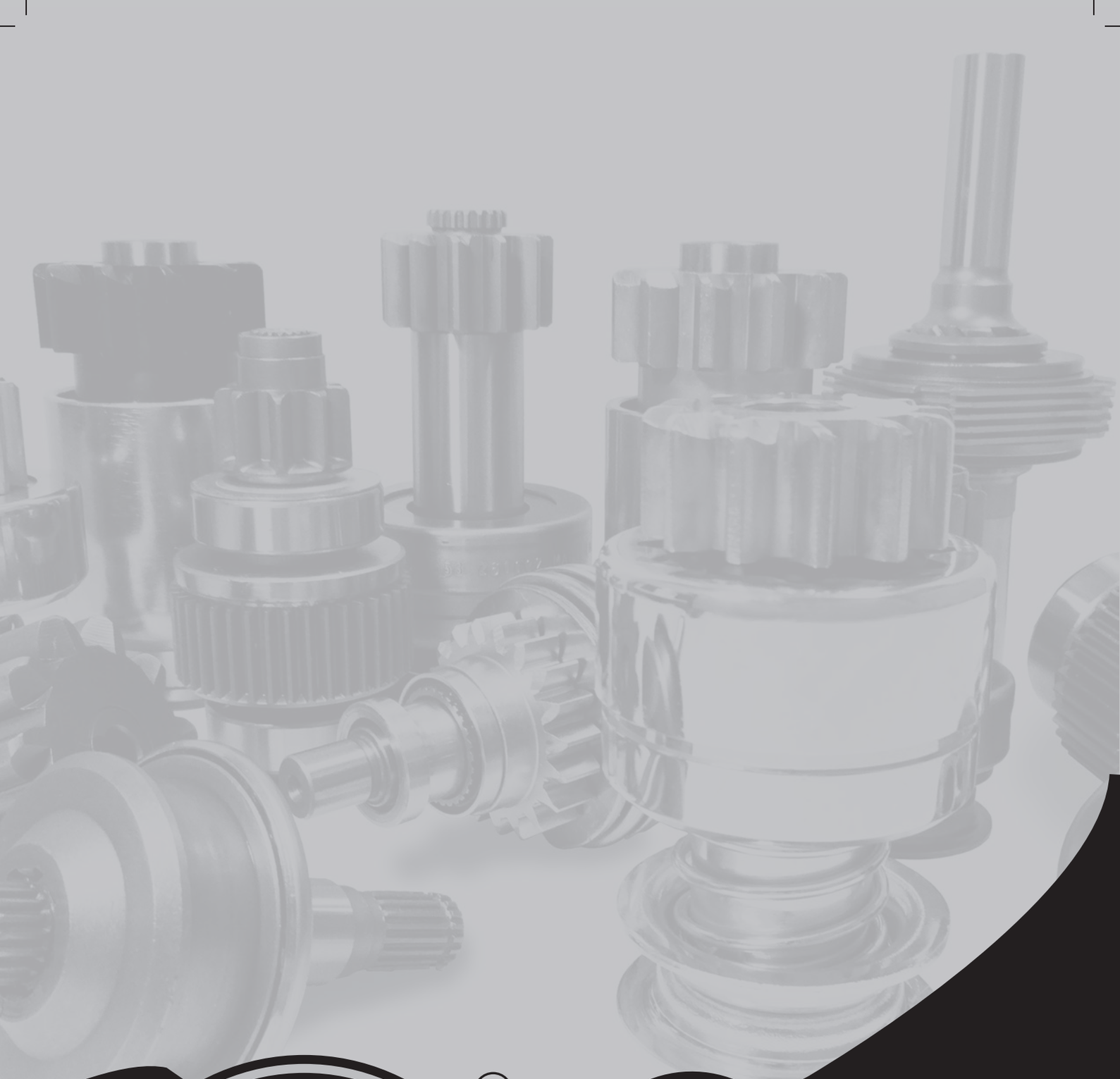
ES | *¡Ten nuestro catálogo siempre a mano! Buscando mejorar la experiencia de nuestros clientes, implementamos la tecnología QR CODE en nuestro catálogo. A partir de ahora puede tener acceso inmediato a información detallada y actualizada. Para hacer esto, simplemente abra la cámara de su telefono celular y apunte al CÓDIGO QR. Si su teléfono celular no es compatible con esta tecnología, será necesario utilizar una aplicación para leer el CÓDIGO QR.*

“A vida de seu veículo gira em torno da qualidade, prefira sempre BZM”



“The life of your vehicle turns around of the quality, **always prefer BZM**”

“La vida de su vehículo gira alrededor de la calidad, **prefiera siempre BZM**”



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Caminhão/Truck/Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT) **- 99.9999.0** p.744

Caminhão/Truck/Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT) **- 99.1679.0** p.593

Caminhão/Truck/Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT) **- 99.1805.0** p.638

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Caminhão/Truck/Camión Accelo 1016 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→) **- 99.1805.0** p.638

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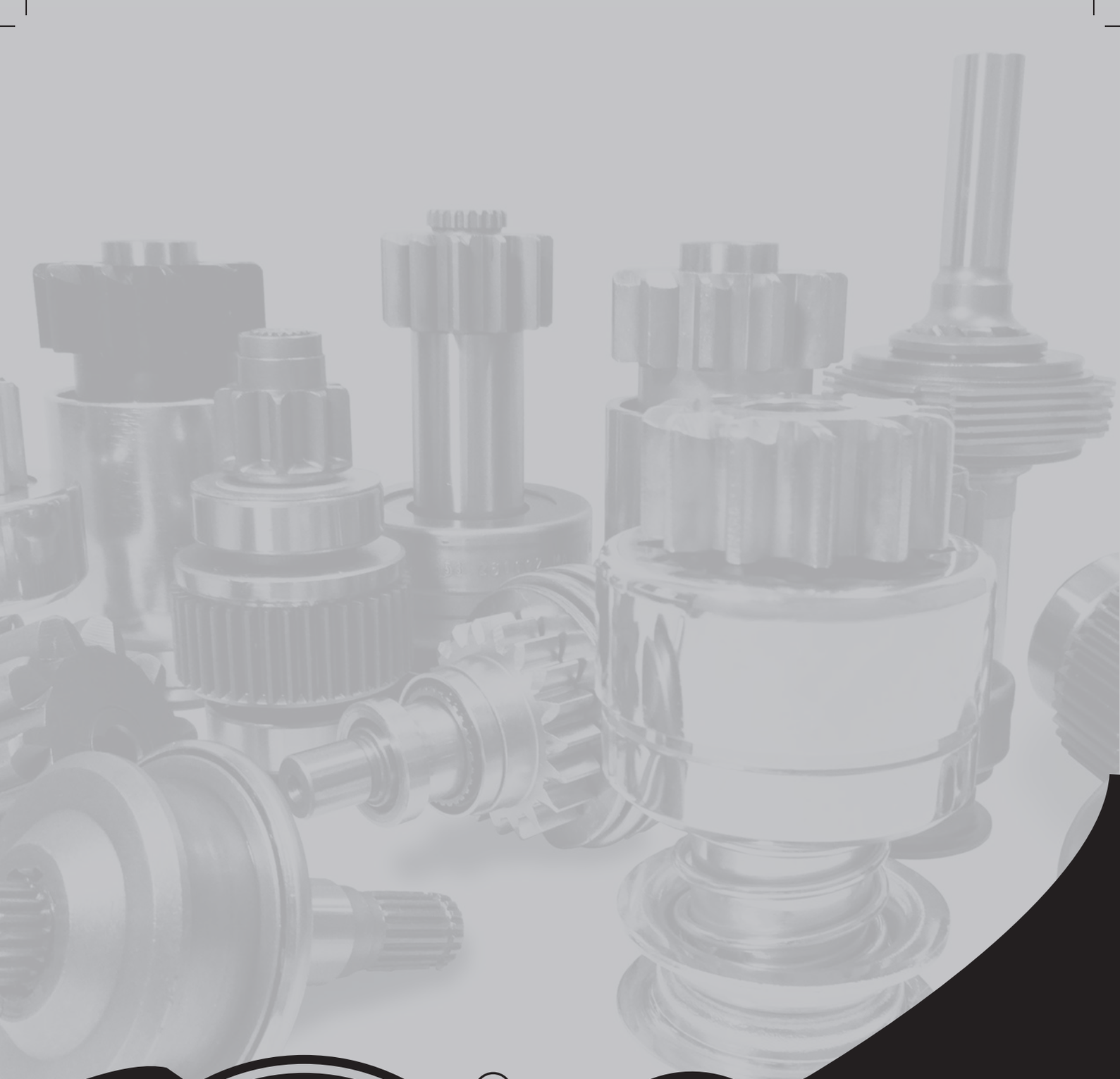
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1945842 - **99.0020.0** p.226
1945879 - **99.0626.0** p.377
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1946220 - **99.0052.0** p.238
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1948764 - **99.0188.0** p.282
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1957846 - **99.0097.0** p.255
1958621 - **99.0030.0** p.230
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1970711 - **99.0097.0** p.255
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17089 - **99.0376.0** p.319
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17103 - **99.0434.0** p.330
17105 - **99.0312.0** p.303
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17106 - **99.0301.0** p.300
17106 - **99.0308.0** p.302
17106 - **99.0315.0** p.304
17106 - **99.0367.0** p.317
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17106 - **99.1364.0** p.542
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3240 - **99.0620.2** p.375
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3564 - **99.0020.0** p.226
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3696 - **99.0020.0** p.226
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3702 - **99.0626.0** p.377
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3726 - **99.0093.0** p.254
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4000 - **99.1928.0** p.688
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4732 - **99.0117.0** p.265
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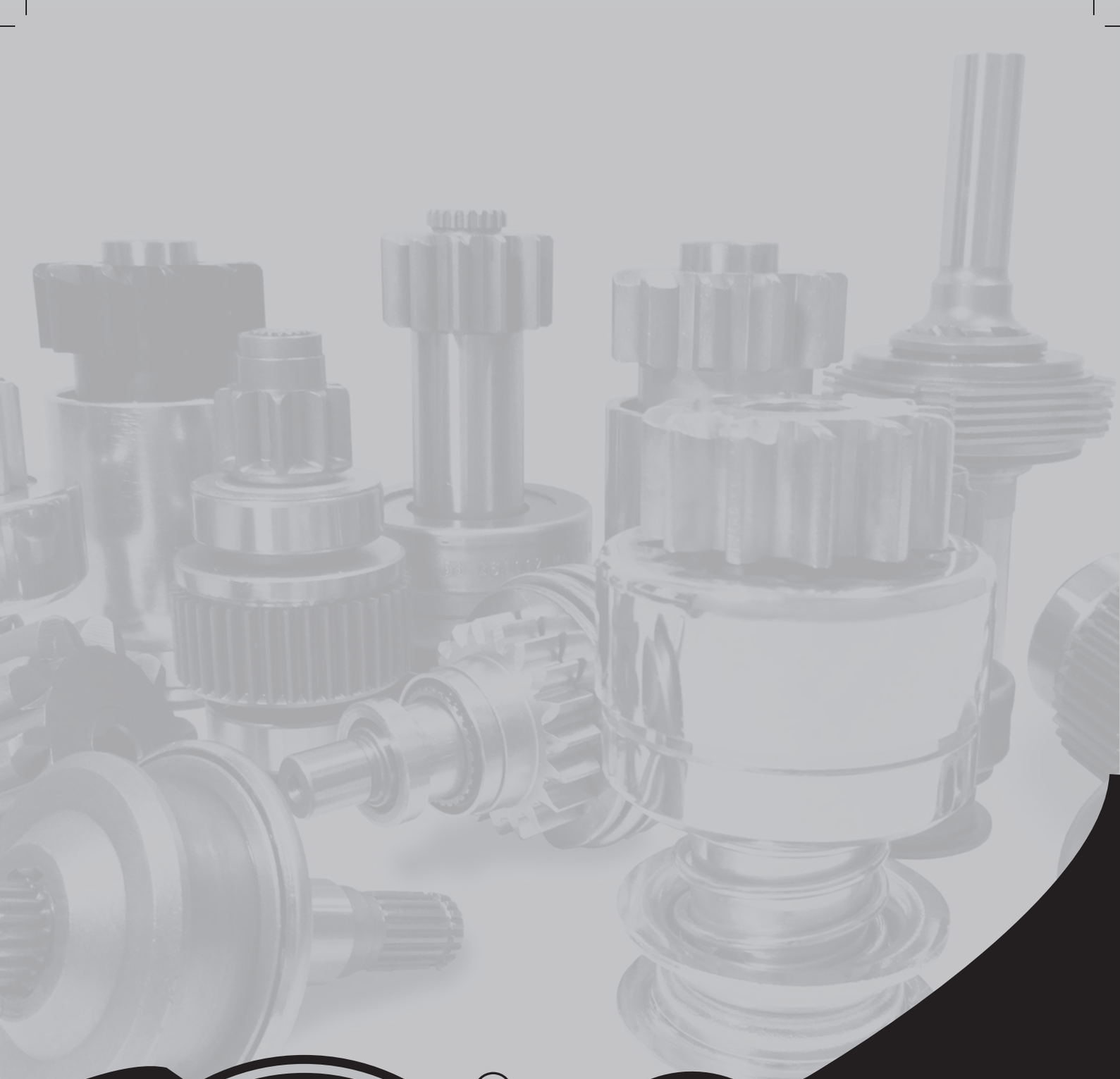
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F0CF11000AA - **99.1193.0** p.530
F0CF11000BA - **99.0620.1** p.374
F0CF11000BA - **99.0620.2** p.375
F0CF11000BA - **99.1192.0** p.529
F0CF11000BA - **99.1224.0** p.539
F0CU11000AA - **99.1193.0** p.530

F0CU11000BA - **99.0620.1** p.374
F0CU11000BA - **99.0620.2** p.375
F0CU11000BA - **99.1192.0** p.529
F0CU11000BA - **99.1224.0** p.539
F0FZ11002A - **99.0620.1** p.374
F0FZ11002A - **99.0620.2** p.375
F0FZ11002A - **99.1192.0** p.529
F0FZ11002A - **99.1224.0** p.539
F0JY11002A - **99.0450.0** p.335
F0TZ11002A - **99.0620.1** p.374
F0TZ11002A - **99.0620.2** p.375
F0TZ11002A - **99.1192.0** p.529
F0TZ11002A - **99.1224.0** p.539
F0TZ11002B - **99.0620.1** p.374
F0TZ11002B - **99.0620.2** p.375
F0TZ11002B - **99.1192.0** p.529
F0TZ11002B - **99.1224.0** p.539
F12Z11002A - **99.0596.0** p.367
F13U11000AA - **99.0620.1** p.374
F13U11000AA - **99.0620.2** p.375
F13U11000AA - **99.1192.0** p.529
F13U11000AA - **99.1224.0** p.539
F13Z11002A - **99.0620.1** p.374
F13Z11002A - **99.0620.2** p.375
F13Z11002A - **99.1192.0** p.529
F13Z11002A - **99.1224.0** p.539
F1JY11002A - **99.0450.0** p.335
F22518400A - **99.0596.0** p.367
F23U11000AA - **99.0620.1** p.374
F23U11000AA - **99.0620.2** p.375
F23U11000AA - **99.1192.0** p.529
F23U11000AA - **99.1224.0** p.539
F23U11000BC - **99.0620.1** p.374
F23U11000BC - **99.0620.2** p.375
F23U11000BC - **99.1192.0** p.529
F23U11000BC - **99.1224.0** p.539
F23Z11002A - **99.0620.1** p.374
F23Z11002A - **99.0620.2** p.375
F23Z11002A - **99.1192.0** p.529
F23Z11002A - **99.1224.0** p.539
F23Z11002B - **99.0620.1** p.374
F23Z11002B - **99.0620.2** p.375
F23Z11002B - **99.1192.0** p.529
F23Z11002B - **99.1224.0** p.539
F2DU11000AA - **99.0620.1** p.374
F2DU11000AA - **99.0620.2** p.375
F2DU11000AA - **99.1192.0** p.529
F2DU11000AA - **99.1224.0** p.539
F2DU11000BA - **99.0620.1** p.374
F2DU11000BA - **99.0620.2** p.375
F2DU11000BA - **99.1192.0** p.529
F2DU11000BA - **99.1224.0** p.539
F2DZ11002A - **99.0620.1** p.374
F2DZ11002A - **99.0620.2** p.375
F2DZ11002A - **99.1192.0** p.529
F2DZ11002A - **99.1224.0** p.539
F2TU11000AA - **99.0620.1** p.374
F2TU11000AA - **99.0620.2** p.375
F2TU11000AA - **99.1192.0** p.529
F2TU11000AA - **99.1224.0** p.539
F2TZ11002A - **99.0620.1** p.374
F2TZ11002A - **99.0620.2** p.375
F2TZ11002A - **99.1192.0** p.529
F2TZ11002A - **99.1224.0** p.539
F2VY11002A - **99.0662.1** p.390
F2VY11002A - **99.1199.0** p.532
F2VY11002A - **99.1226.0** p.539
F3DU11000AA - **99.0620.1** p.374
F3DU11000AA - **99.0620.2** p.375
F3DU11000AA - **99.1192.0** p.529
F3DU11000AA - **99.1224.0** p.539
F3DZ11002A - **99.0620.1** p.374
F3DZ11002A - **99.0620.2** p.375
F3DZ11002A - **99.1192.0** p.529
F3DZ11002A - **99.1224.0** p.539
F3LU11000AA - **99.0662.1** p.390
F3LU11000AA - **99.1199.0** p.532
F3LU11000AA - **99.1226.0** p.539
F3LY11002A - **99.0662.1** p.390
F3LY11002A - **99.1199.0** p.532
F3LY11002A - **99.1226.0** p.539
F3RZ11002A - **99.0824.1** p.430
F3RZ11002A - **99.1208.0** p.534
F3RZ11002A - **99.1228.0** p.540
F3RZ11002B - **99.0824.1** p.430
F3RZ11002B - **99.1208.0** p.534
F3RZ11002B - **99.1228.0** p.540
F3TU11000AA - **99.0670.0** p.391
F7GZ11002A - **99.0450.0** p.335
F81U11000AC - **99.0959.0** p.474
F87U11000DD - **99.0941.1** p.466
F87U11000DD - **99.1217.0** p.537
F9JY11002A - **99.0450.0** p.335
FAJ11001B - **99.0030.0** p.230
FAJ11001B - **99.1216.0** p.536
FAN11001A - **99.0030.0** p.230
FAN11001A - **99.1216.0** p.536
FAP11001A - **99.0030.0** p.230
FAP11001A - **99.1216.0** p.536
FAS11001A - **99.0030.0** p.230
FAS11001A - **99.1216.0** p.536
FE1H18400 - **99.0596.0** p.367
FS10B1 - **99.1686.0** p.597
GN1511000AA - **99.1964.0** p.700
GN1511000BA - **99.1969.0** p.702
J7BT11000AA - **99.1964.0** p.700
SA1004 - **99.1676.0** p.591
SA739A - **99.0670.0** p.391
SA739B - **99.0669.0** p.391
SA769 - **99.0620.1** p.374
SA769 - **99.0620.2** p.375
SA769 - **99.1192.0** p.529
SA769 - **99.1224.0** p.539
SA769A - **99.0620.1** p.374
SA769A - **99.0620.2** p.375
SA769A - **99.1192.0** p.529
SA769A - **99.1224.0** p.539
SA771 - **99.0620.1** p.374
SA771 - **99.0620.2** p.375
SA771 - **99.1192.0** p.529
SA771 - **99.1224.0** p.539
SA771A - **99.0620.1** p.374
SA771A - **99.0620.2** p.375
SA771A - **99.1192.0** p.529
SA771A - **99.1224.0** p.539
SA774 - **99.0620.1** p.374
SA774 - **99.0620.2** p.375
SA774 - **99.1192.0** p.529
SA774 - **99.1224.0** p.539
SA775 - **99.0620.1** p.374
SA775 - **99.0620.2** p.375
SA775 - **99.1192.0** p.529
SA775 - **99.1224.0** p.539
SA776 - **99.0620.1** p.374
SA776 - **99.0620.2** p.375
SA776 - **99.1192.0** p.529
SA776 - **99.1224.0** p.539
SA777 - **99.0620.1** p.374
SA777 - **99.0620.2** p.375
SA777 - **99.1192.0** p.529
SA777 - **99.1224.0** p.539
SA779 - **99.1193.0** p.530
SA784 - **99.0620.1** p.374
SA784 - **99.0620.2** p.375
SA784 - **99.1192.0** p.529
SA784 - **99.1224.0** p.539
SA789 - **99.0662.1** p.390
SA789 - **99.1199.0** p.532
SA789 - **99.1226.0** p.539
SA790 - **99.0620.1** p.374
SA790 - **99.0620.2** p.375
SA790 - **99.1192.0** p.529
SA790 - **99.1224.0** p.539
SA800 - **99.0620.1** p.374
SA800 - **99.0620.2** p.375
SA800 - **99.1192.0** p.529
SA800 - **99.1224.0** p.539
SA807 - **99.0620.1** p.374
SA807 - **99.0620.2** p.375
SA807 - **99.1192.0** p.529
SA807 - **99.1224.0** p.539
SA822 - **99.0662.1** p.390
SA822 - **99.1199.0** p.532
SA822 - **99.1226.0** p.539
SAE674A - **99.0184.0** p.281
SAE715 - **99.0342.0** p.311
SAE715A - **99.0342.0** p.311
SAE716 - **99.0342.0** p.311
SAE716A - **99.0342.0** p.311
SAE761A - **99.0636.0** p.382
SAE763 - **99.0636.0** p.382
SAE770 - **99.0596.0** p.367
SAE781 - **99.0596.0** p.367
SAE782 - **99.0636.0** p.382
SAI761 - **99.0450.0** p.335
SAI772 - **99.0450.0** p.335
SAI773 - **99.0450.0** p.335
SAI780 - **99.0450.0** p.335
SAI783 - **99.0450.0** p.335
SAI788 - **99.0450.0** p.335
VP8G1U11350AA - **99.1677.0** p.592
XC3511000CA - **99.1684.0** p.596
XC3U11000CA - **99.1684.0** p.596
XS6U11000AC - **99.1228.0** p.540
XW4U11000CG - **99.9823.0** p.740
XW4Z11002CG - **99.9823.0** p.740
YS4U11000AA - **99.1820.0** p.647
YS4U11000AB - **99.1820.0** p.647
YS4U11000BA - **99.1820.0** p.647

Foton

QD263 - **99.1711.0** p.609

General Motors/Chevrolet

12655055 - **99.1761.0** p.624
12663053 - **99.1935.0** p.691
12673600 - **99.1922.0** p.685
12678752 - **99.1935.0** p.691
12680615 - **99.1922.0** p.685
183117860 - **99.1761.0** p.624
24579009 - **99.1745.0** p.618
24584626 - **99.1946.0** p.696

24585283 - **99.1946.0** p.696
24588465 - **99.1946.0** p.696
30001695 - **99.0450.0** p.335
30001696 - **99.0595.0** p.366
55514718 - **99.1966.0** p.701
55564374 - **99.1776.0** p.629
88969483 - **99.1841.0** p.656
9025295 - **99.1848.0** p.658
914778233 - **99.1966.0** p.701
93260358 - **99.1064.0** p.501
93297652 - **99.0952.1** p.471
93297652 - **99.10003.0** p.746
93297653 - **99.0952.1** p.471
93297653 - **99.10003.0** p.746
93303527 - **99.0952.1** p.471
93303527 - **99.10003.0** p.746
93304772 - **99.0952.1** p.471
93304772 - **99.10003.0** p.746
93327502 - **99.0952.1** p.471
93327502 - **99.10003.0** p.746
93374341 - **99.0952.1** p.471
93374341 - **99.10003.0** p.746
93374342 - **99.0952.1** p.471
93374342 - **99.10003.0** p.746
93384398 - **99.0952.1** p.471
93384398 - **99.10003.0** p.746
94021044 - **99.0141.0** p.275
94022494 - **99.0141.0** p.275
94022494 - **99.0351.0** p.312
94024438 - **99.0141.0** p.275
96058456 - **99.0617.0** p.373
96058457 - **99.0617.0** p.373
96064782 - **99.0617.0** p.373
96064783 - **99.0617.0** p.373

Harley Davidson

3145564 - **99.0898.0** p.452
3145564A - **99.0898.0** p.452

Hino

281001561A - **99.1827.0** p.650
281001562A - **99.1827.0** p.650
281001562B - **99.1827.0** p.650
281001930A - **99.1827.0** p.650
281001931A - **99.1827.0** p.650
281001960A - **99.1827.0** p.650
281001961 - **99.1827.0** p.650
281001961A - **99.1827.0** p.650
281001961B - **99.1827.0** p.650

Hitachi

5114146 - **99.0691.0** p.394
5114244 - **99.0691.0** p.394
5114417 - **99.0691.0** p.394
5114440 - **99.0793.0** p.420
5114475A - **99.0793.0** p.420
5114486 - **99.0793.0** p.420
51277A - **99.0785.0** p.417
51279 - **99.0785.0** p.417
51337 - **99.0785.0** p.417
51341 - **99.0785.0** p.417
51341A - **99.0785.0** p.417
51384B - **99.0793.0** p.420
51389 - **99.0793.0** p.420
525131A - **99.0580.0** p.364
525155D - **99.0580.0** p.364
5811001921 - **99.0832.0** p.433
5811002150 - **99.0832.0** p.433
8944104090 - **99.1861.0** p.662
8944179250 - **99.1861.0** p.662
8944339120 - **99.1861.0** p.662
8944604170 - **99.1861.0** p.662
OSGR 2.2kW 12v - **99.1608.0** p.571
S10861F - **99.0536.0** p.356
S10863 - **99.0349.0** p.312
S10866 - **99.0536.0** p.356
S10889 - **99.0349.0** p.312
S1114374B - **99.0737.0** p.401
S114100 - **99.0141.0** p.275
S114103 - **99.0141.0** p.275
S114103K - **99.0141.0** p.275
S114103L - **99.0141.0** p.275
S114103M - **99.0141.0** p.275
S114103N - **99.0141.0** p.275
S114103P - **99.0141.0** p.275
S114108 - **99.0141.0** p.275
S114108L - **99.0141.0** p.275
S114118 - **99.0141.0** p.275
S114121 - **99.0141.0** p.275
S114121N - **99.0141.0** p.275
S114122 - **99.0141.0** p.275
S114122N - **99.0141.0** p.275
S114126 - **99.0351.0** p.312
S114126L - **99.0351.0** p.312
S114126M - **99.0351.0** p.312
S114131 - **99.0141.0** p.275
S114133 - **99.0141.0** p.275
S114134 - **99.0141.0** p.275
S114136 - **99.0141.0** p.275
S114140 - **99.0349.0** p.312
S114141 - **99.0349.0** p.312
S114143 - **99.0141.0** p.275
S114149 - **99.0349.0** p.312
S114150 - **99.0141.0** p.275
S114156 - **99.0141.0** p.275
S114160 - **99.0349.0** p.312
S114160A - **99.0349.0** p.312
S114160B - **99.0349.0** p.312
S114160D - **99.0349.0** p.312
S114160E - **99.0349.0** p.312
S114160F - **99.0349.0** p.312
S114162 - **99.0349.0** p.312
S114162C - **99.0349.0** p.312
S114162D - **99.0349.0** p.312
S114163 - **99.0349.0** p.312
S114163B - **99.0349.0** p.312
S114163E - **99.0349.0** p.312
S114164 - **99.0349.0** p.312
S114170 - **99.0351.0** p.312
S114170B - **99.0351.0** p.312
S114170E - **99.0351.0** p.312
S114171 - **99.0351.0** p.312
S114171A - **99.0351.0** p.312
S114171D - **99.0351.0** p.312
S114172 - **99.0351.0** p.312
S114172A - **99.0351.0** p.312
S114172D - **99.0351.0** p.312
S114172E - **99.0351.0** p.312
S114173 - **99.0351.0** p.312
S114173B - **99.0351.0** p.312
S114173E - **99.0351.0** p.312
S114173F - **99.0351.0** p.312
S114174 - **99.0351.0** p.312
S114177 - **99.0351.0** p.312
S114180 - **99.0351.0** p.312
S114180F - **99.0351.0** p.312
S114180M - **99.0351.0** p.312
S114181 - **99.0351.0** p.312
S114182 - **99.0351.0** p.312
S114182G - **99.0351.0** p.312
S114192 - **99.0141.0** p.275
S114197 - **99.0351.0** p.312
S114202 - **99.0351.0** p.312
S114202A - **99.0351.0** p.312
S114210 - **99.0349.0** p.312
S114211 - **99.0349.0** p.312
S114218 - **99.0351.0** p.312
S114218A - **99.0351.0** p.312
S114227 - **99.0349.0** p.312
S114229 - **99.0351.0** p.312
S114229E - **99.0351.0** p.312
S114229F - **99.0351.0** p.312
S11423 - **99.0141.0** p.275
S11423K - **99.0141.0** p.275
S114240 - **99.0351.0** p.312
S114247 - **99.0351.0** p.312
S114247A - **99.0351.0** p.312
S114247C - **99.0351.0** p.312
S114248 - **99.0351.0** p.312
S114252 - **99.0791.0** p.419
S114252A - **99.0791.0** p.419
S114252C - **99.0791.0** p.419
S114252E - **99.0791.0** p.419
S114252F - **99.0791.0** p.419
S114252F - **99.9528.0** p.734
S114253 - **99.0737.0** p.401
S114253 - **99.9488.0** p.730
S114253A - **99.0737.0** p.401
S114253A - **99.9488.0** p.730
S114253B - **99.0737.0** p.401
S114253B - **99.9488.0** p.730
S114254 - **99.0737.0** p.401
S114254 - **99.9488.0** p.730
S114254A - **99.0737.0** p.401
S114254A - **99.9488.0** p.730
S114254C - **99.0737.0** p.401
S114254C - **99.9488.0** p.730
S114254D - **99.0737.0** p.401
S114254D - **99.9488.0** p.730
S114255 - **99.0737.0** p.401
S114255 - **99.9488.0** p.730
S114255A - **99.0737.0** p.401
S114255A - **99.9488.0** p.730
S1142564 - **99.9488.0** p.730
S114258 - **99.0737.0** p.401
S114258 - **99.9488.0** p.730
S1142584C - **99.0737.0** p.401
S114258A - **99.0737.0** p.401
S114258A - **99.9488.0** p.730
S114258B - **99.0737.0** p.401
S114258C - **99.0737.0** p.401
S114258C - **99.9488.0** p.730
S114264 - **99.0737.0** p.401
S114264A - **99.0737.0** p.401
S114264A - **99.9488.0** p.730
S114265 - **99.0737.0** p.401
S114265 - **99.9488.0** p.730
S114268 - **99.0737.0** p.401
S114268 - **99.9488.0** p.730
S114268A - **99.0737.0** p.401
S114268A - **99.9488.0** p.730
S114271 - **99.0349.0** p.312
S114290 - **99.0737.0** p.401
S114290 - **99.9488.0** p.730
S1142900 - **99.0737.0** p.401
S114290A - **99.0737.0** p.401
S114290A - **99.9488.0** p.730
S114290B - **99.0737.0** p.401
S114290B - **99.9488.0** p.730
S114295 - **99.0351.0** p.312
S114296 - **99.0737.0** p.401
S114296 - **99.9488.0** p.730
S114296A - **99.0737.0** p.401
S114296A - **99.9488.0** p.730
S114298 - **99.0351.0** p.312
S114301 - **99.0351.0** p.312
S114313 - **99.0351.0** p.312
S114315 - **99.0517.0** p.353
S114316 - **99.0517.0** p.353
S114319 - **99.0499.0** p.351
S114320 - **99.0499.0** p.351
S114320A - **99.0499.0** p.351
S114322 - **99.0791.0** p.419
S114322A - **99.0791.0** p.419
S114322A - **99.9528.0** p.734

S114343 - **99.0351.0** p.312
S114344 - **99.0737.0** p.401
S114344 - **99.9488.0** p.730
S114348 - **99.0499.0** p.351
S114348A - **99.0499.0** p.351
S1143557A - **99.0790.0** p.419
S114357 - **99.0790.0** p.419
S114357A - **99.0790.0** p.419
S114357B - **99.0790.0** p.419
S114357B - **99.9527.0** p.734
S114357C - **99.0790.0** p.419
S114362 - **99.0517.0** p.353
S114364 - **99.0517.0** p.353
S114367 - **99.9527.0** p.734
S114374 - **99.0737.0** p.401
S114374 - **99.9488.0** p.730
S114374B - **99.0737.0** p.401
S114374B - **99.9488.0** p.730
S114376 - **99.0499.0** p.351
S1143766B - **99.0499.0** p.351
S114381 - **99.0351.0** p.312
S114382 - **99.0351.0** p.312
S114385 - **99.0832.0** p.433
S114387 - **99.0832.0** p.433
S114389 - **99.0499.0** p.351
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M0T71381 **- 99.0595.0** p.366
M0T71581 **- 99.0595.0** p.366
M0T71681 **- 99.0595.0** p.366
M0T72581 **- 99.0595.0** p.366
M0T73281 **- 99.0595.0** p.366
M0T73381 **- 99.0595.0** p.366
M0T77681 **- 99.0595.0** p.366
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M1M70981 **- 99.0596.0** p.367
M1M71281 **- 99.0596.0** p.367
M1M71481 **- 99.0596.0** p.367

M1M72086 **- 99.0595.0** p.366
M1M72181 **- 99.0596.0** p.367
M1M72182 **- 99.0596.0** p.367
M1M74181 **- 99.1702.0** p.605
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M1T60381 **- 99.0758.0** p.410
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M1T70685 **- 99.0595.0** p.366
M1T70685A **- 99.0595.0** p.366
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M1T86782ZC **- 99.1538.0** p.556
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M1T86884ZC **- 99.1538.0** p.556
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M2T10271 **- 99.0144.0** p.275
M2T10282 **- 99.0352.0** p.313
M2T15772 **- 99.0144.0** p.275
M2T19171 **- 99.0144.0** p.275
M2T19271 **- 99.0144.0** p.275
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M2T54571 **- 99.0957.0** p.473
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M2T54571 **- 99.9791.0** p.740
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D7R27 - **99.1023.0** p.489
D7R28 - **99.1458.0** p.545
D7R3 - **99.1074.0** p.506
D7R33 - **99.1074.0** p.506
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D7R34 - **99.1692.0** p.599
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D7R49 - **99.1023.0** p.489
D7R5 - **99.1023.0** p.489
D7R53 - **99.1607.0** p.571
D7R53 - **99.1692.0** p.599
D7R56 - **99.1607.0** p.571
D7R57 - **99.1607.0** p.571
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D7RS29 - **99.1926.0** p.687
D7RS30 - **99.1926.0** p.687
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FS10B4 - **99.1755.0** p.622
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FS14B2 - **99.1788.0** p.634
ND161 - **99.1162.0** p.520
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TM000A36101 - **99.1607.0** p.571
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TS18ER21 - **99.2005.0** p.711
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TS22E20 - **99.1776.0** p.629
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TSC10B1 - **99.1825.0** p.649
TSC10R6 - **99.1934.0** p.691
TSC10R7 - **99.1893.0** p.675
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Valtra

221561 - **99.1699.0** p.603
83645200 - **99.1699.0** p.603
83646400 - **99.1701.0** p.605
83646500 - **99.1698.0** p.602

Vauxhall

3640268 - **99.1982.0** p.706

Visteon

1C3U11000AA - **99.1081.0** p.507
1C3U11000AB - **99.1081.0** p.507
1C3U11000AC - **99.1081.0** p.507
1C3U11000AD - **99.1081.0** p.507
1C3U11000AE - **99.1081.0** p.507
1C3Z11002AA - **99.1081.0** p.507
2C2411000AA - **99.1081.0** p.507

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35532063F - **99.1992.0** p.707
35532064F - **99.1992.0** p.707

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4216370801 - **99.1175.0** p.524
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60123708000 - **99.1176.0** p.524

Volkswagen

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02M911021B - **99.1891.0** p.674
02M911021H - **99.1803.0** p.637
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02M911022FX - **99.1803.0** p.637
02M911023M - **99.1891.0** p.674
02M911023MX - **99.1891.0** p.674
02M911024 - **99.1856.0** p.660
02M911024Q - **99.1803.0** p.637
02M911024R - **99.1803.0** p.637
02T911021E - **99.1893.0** p.675
02T911023E - **99.1069.0** p.502
02T911023Q - **99.1534.0** p.556
02Z911023K - **99.2005.0** p.711
02Z911023KX - **99.2005.0** p.711
02Z911023M - **99.2005.0** p.711
02Z911023MX - **99.2005.0** p.711
02Z911023N - **99.2005.0** p.711
02Z911023NX - **99.2005.0** p.711
02Z911023P - **99.2005.0** p.711
02Z911023PX - **99.2005.0** p.711
02Z911024K - **99.2005.0** p.711
02Z911024KX - **99.2005.0** p.711
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0AM911022C - **99.1803.0** p.637
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2H0911023AX - **99.1768.0** p.627
2T0911335 - **99.1091.0** p.509
2W0911023C - **99.1604.0** p.570
495107 - **99.1893.0** p.675
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7B0911023CXRMN - **99.1877.0** p.668

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1328391 - **99.9702.0** p.737
1328396 - **99.9702.0** p.737
1676822 - **99.1827.0** p.650
20430564 - **99.13462.0** p.759
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241599 - **99.0308.0** p.302

243007 **- 99.0308.0** p.302
243043 **- 99.0308.0** p.302
243326 **- 99.0308.0** p.302
420760 **- 99.1827.0** p.650
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4785541 **- 99.0308.0** p.302
5003003 **- 99.9702.0** p.737
50030030 **- 99.9702.0** p.737
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MALP2 **- 99.1359.0** p.541
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MALTF1 **- 99.0024.4** p.228
MALTF1 **- 99.1359.0** p.541
MALTF2 **- 99.0024.0** p.227
MALTF2 **- 99.0024.4** p.228
MALTF2 **- 99.1359.0** p.541
MALW12 **- 99.0001.0** p.223
MALW14 **- 99.0001.0** p.223
MALW2 **- 99.0001.0** p.223
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MPB1 **- 99.0024.4** p.228
MPB1 **- 99.1359.0** p.541
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MPB17 **- 99.1359.0** p.541
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MPB18 **- 99.1359.0** p.541
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MPB2 **- 99.0024.4** p.228
MPB2 **- 99.1359.0** p.541
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MPB22 **- 99.0070.0** p.245
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MPB23 **- 99.1359.0** p.541
MPB25 **- 99.0193.0** p.285
MPB27 **- 99.0193.0** p.285
MPB3 **- 99.0056.0** p.240
MPB30 **- 99.0085.0** p.250
MPB30 **- 99.0085.4** p.250
MPB30 **- 99.1361.0** p.542
MPB31 **- 99.0024.0** p.227
MPB31 **- 99.0024.4** p.228
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MPB33 **- 99.0024.0** p.227
MPB33 **- 99.0024.4** p.228
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MPB42 **- 99.0085.4** p.250
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MPB49 **- 99.0024.4** p.228
MPB49 **- 99.1359.0** p.541
MPB5 **- 99.0073.0** p.245
MPB50 **- 99.0024.0** p.227
MPB50 **- 99.0024.4** p.228
MPB50 **- 99.1359.0** p.541
MPB55 **- 99.0070.0** p.245
MPB59 **- 99.0024.0** p.227
MPB59 **- 99.0024.4** p.228
MPB59 **- 99.1359.0** p.541
MPB60 **- 99.0024.0** p.227
MPB60 **- 99.0024.4** p.228
MPB60 **- 99.1359.0** p.541
MPB61 **- 99.0377.0** p.319
MPB63 **- 99.0024.0** p.227
MPB63 **- 99.0024.4** p.228
MPB63 **- 99.1359.0** p.541
MPB66 **- 99.0505.0** p.351
MPB68 **- 99.0085.0** p.250
MPB68 **- 99.0085.4** p.250
MPB68 **- 99.1361.0** p.542
MPB70 **- 99.0024.0** p.227
MPB70 **- 99.0024.4** p.228
MPB70 **- 99.1359.0** p.541
MPB9 **- 99.0085.0** p.250
MPB9 **- 99.0085.4** p.250
MPB9 **- 99.1361.0** p.542
MPC1 **- 99.0022.0** p.227
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MPC69 **- 99.0024.0** p.227
MPC69 **- 99.0024.4** p.228
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MPE1 **- 99.0193.0** p.285
MPF6 **- 99.0001.0** p.223
MPF7 **- 99.0001.0** p.223
MPF8 **- 99.0024.0** p.227
MPF8 **- 99.0024.4** p.228
MPF8 **- 99.1359.0** p.541
MPJ1074 **- 99.0024.0** p.227
MPJ1074 **- 99.0024.4** p.228
MPJ1074 **- 99.1359.0** p.541
MPMF3 **- 99.0024.0** p.227
MPMF3 **- 99.0024.4** p.228
MPMF3 **- 99.1359.0** p.541
MPN2 **- 99.0024.0** p.227
MPN2 **- 99.0024.4** p.228
MPN2 **- 99.1359.0** p.541
MPT2 **- 99.0025.0** p.229
MPT2N **- 99.0025.0** p.229
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MWB19 **- 99.0329.0** p.309
MWB21 **- 99.0328.0** p.309
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MWB30 **- 99.0529.0** p.355
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MWC5 **- 99.0379.0** p.320
MWV12 **- 99.0192.0** p.284
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Wilson

91251101 **- 99.9702.0** p.737

Woodauto

STR72029 **- 99.9702.0** p.737

Worldwide

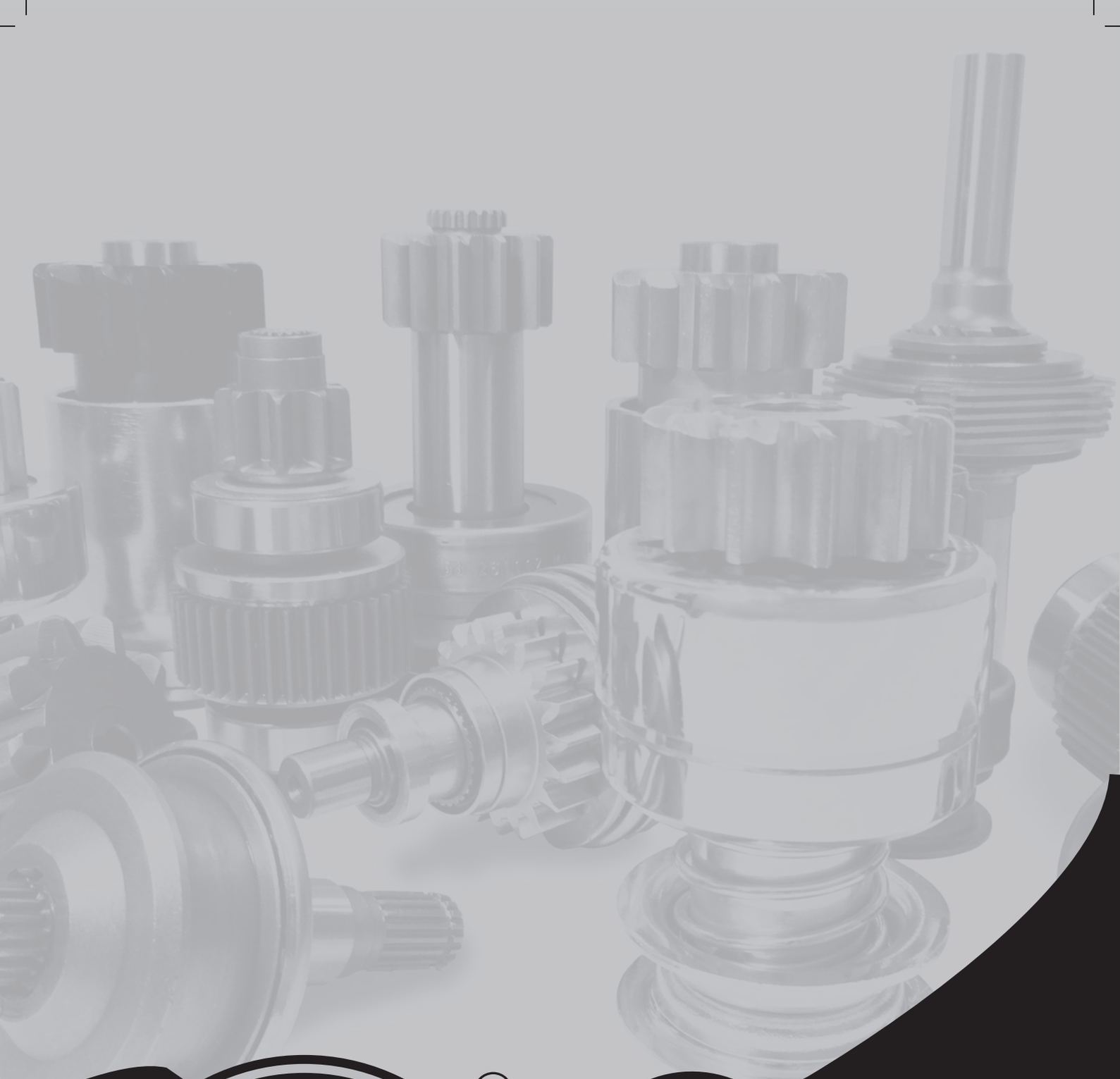
16942 **- 99.9702.0** p.737
28711 **- 99.9823.0** p.740
97143 **- 99.9823.0** p.740

Yamaha

6K8818071000 **- 99.0754.0** p.408

Yanmar

11913177010 **- 99.1858.0** p.661



PÁGINA 221 A 760

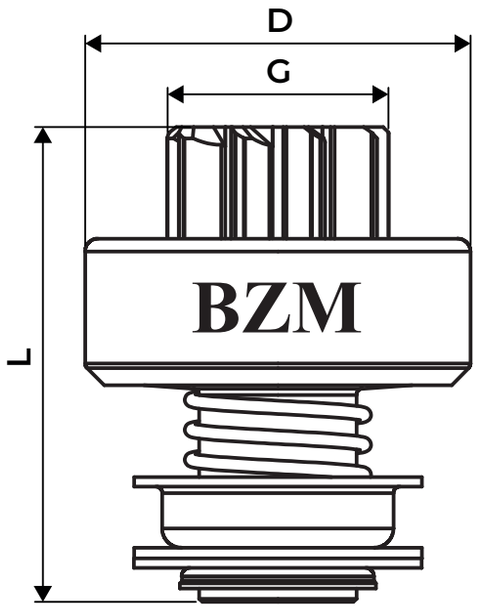
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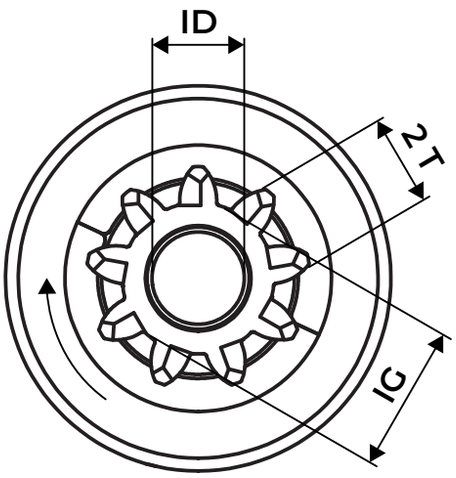
***EN** | STARTER DRIVES, P. 221 T0 760*
***ES** | IMPULSORES DE ARRANQUE, P. 221 A 760*

INDICAÇÃO DE **DIMENSÃO**

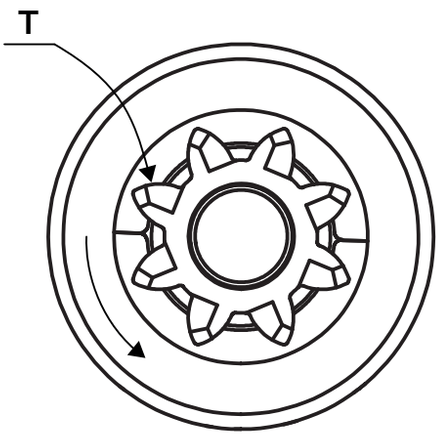
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ES | *INDICACIÓN DE DIMENSIÓN*

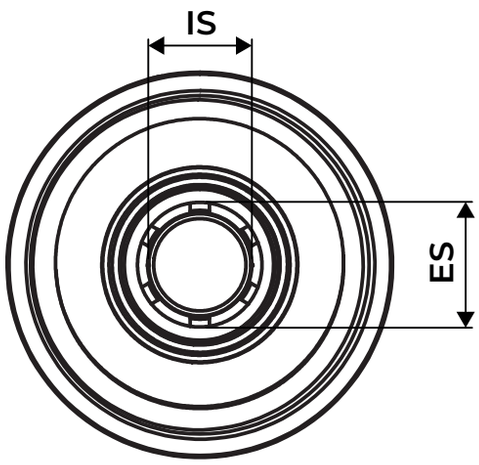




CW



CCW



99.0001.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.50**
L Comprimento	**73.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Caminhão / Truck / Camión F100, Caminhão / Truck / Camión F350, Caminhão / Truck / Camión F600, Galaxie (←05/1970), Landau (←05/1970)

OEM *ORIGINAL*

Wapsa 224001

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MALF2, MALF3, MALW12, MALW14, MALW2, MALW3, MPF6, MPF7

99.0003.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Caminhão / Truck / Camión

OEM *ORIGINAL*

Delco Remy 04212, 1800A, 1843041, 1856669, 1862058, 1873789, 1874156, 1904438, 1918866, 1922308, 1922338, 1935853, 1936959, D2000, DR1901, MAD3099, MAW3131A, MAW3132A, MAW3140, MAW3140A, MAW3185A, MAX3098A, P182, P183

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107003, 1107005, 1107007, 1107008, 1107009, 1107013, 1107018, 1107019, 1107022, 1107032, 1107034, 1107039, 1107047, 1107049, 1107050, 1107051, 1107053, 1107054, 1107055, 1107057, 1107063, 1107066, 1107071, 1107076, 714, 725Z, 727M, 727N, 727S, 727V, 727W, 727Y, 729E, 729G, 729J, 734H, 734K, 734Z, 738A, 738B, 738E, 738J, 738T, 738X, 739L, M4038, MAW4002, MAW4003, MAW4005, MAW4010, MAW4012A, MAW4013A, MAW4016, MAW4019A, MAW4026, MAW4044, MAW4052, MAX4007, MAX4040, MAX4045, MAX4050, MAX4053, MAX4060, MAX4062, MAX4076, MAY4132, MAY4151, MJ4059, MR4317, MZ4056, MZ4059, MZ4059A, MZ4062, MZ4089, MZ4105, MZ4137, MZ4148, MZ4317

99.0005.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Willys Aero-Willys (←05/1970), Itamaraty (←05/1970), Jeep (←05/1970), Pick-up (←05/1970), Rural (←05/1970)

OEM *ORIGINAL*

Wapsa 224001

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa -

99.0006.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**74.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Fusca 1200, Fusca 1300, Fuscan Sedan (1.2 6v), Karmann-Ghia, Kombi (1.2)

OEM *ORIGINAL*

Bosch 9001082421 | **Lucas Indiel** 223101 | **Volkswagen** 111911335B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001205005, 0001205012, 0001205016, 9000082000

99.0010.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Pick-up C10 (1964→), Pick-up C14 (1964→), Pick-up C15 (1964→)

OEM *ORIGINAL*

Bosch 1987BE0125 | **Delco Remy** 7363070 | **Lester** 3639, 3690, 4238 | **Lucas Indiel** 221710 | **Lucas TVS** TDB070 | **Wapsa** 224034

99.0013.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet C20, Pick-Up Apache | **Opel** Ascona, Blitz, Kadett B, Kadett C, Manta, Rekord B, Rekord C

OEM *ORIGINAL*

Cargo 136318 | **Caterpillar** 7N2138 | **Chrysler** DR1900 | **Clark** 897185 | **Delco Remy** 1932185, 1932188, 1939506, 1974355, D2003, D2028 | **Facet** 480466 | **Ford** SDG228 | **Hyster** 97503 | **Krauf** SDD6318 | **Leece-Neville** M2904204 | **Lester** 3630, 3637, 3639, 3643, 3690, 4150, 4161, 4222, 4238, 4247 | **Lucas Indiel** 223137 | **Wilson** 61013444 | **WW** 480466

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107208, 1107223, 1107270, 1107272, 1107279, 1107354, 1107389, 1107397, 1107398, 1107641, 1107652, 1107653, 1107655, 1107657, 1107661, 1107665, 1107668

99.0015.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo JK2000, JK2150 | **Audi** 1000 | **BMW** 2600, 2600L, 3200, 3200CS, 503 | **Ford** 12M, 15M, 17M, Maverick (Motor 6 cil / cyl), Transit (1.0 1250cc), Transit 1000 | **Mercedes-Benz** 108B, 190B | **Opel** Blitz (1.9), Kapitan P, Rekord PII | **Puma** Puma GT Malzoni | **Volvo** 121 (1958~1964), 122 (1958~1964)

OEM *ORIGINAL*

Bosch 1006208030, 1006208036, 1006209010, 1006209011, 1006209013, 1006209015, 1006209016, 1006209123, 1006209124, 1006209901, 1006209903, 9001082014, 9001082016, 9001082423, 9001082429, F000AL1876 | **Lester** 16313, 16314, 16320, 16345, 16346 | **Lucas Indiel** 223138 | **Volkswagen** 80415

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001201009, 0001201010, 0001203008, 0001203024, 0001203025, 0001203026, 0001205017, 0001304002, 0001304012, 0001304013, 0001305008, 0001352003, 9000082001, 9000082015

99.0020.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet 400, Buick, C20, Opala (4 cil / cyl), Opala (6 cil / cyl), Silverado (Gasolina / Gasoline) | **Willys** Jeep (1969~1971)

OEM *ORIGINAL*

Bosch 1987BE0000 | **Cargo** 130537 | **Chrysler** DR1902, DR1905 | **Delco Remy** 10456422, 1108481, 1875687, 1935827, 1935829, 1945842, 1947727, 1954842, 1954867, 1965538, 1965723, 1965923, D2008, D2014, D2020, D2049 | **Leece-Neville** 04207 | **Lester** 3503, 3504, 3505, 3507, 3508, 3508M, 3510, 3510M, 3524, 3525, 3533, 3535, 3546, 3550, 3551, 3552, 3553, 3554, 3557, 3560, 3561, 3563, 3564, 3565, 3568, 3569, 3571, 3627, 3629, 3631, 3633, 3635, 3649, 3666, 3674, 3686, 3689, 3691, 3696, 3733, 3800, 3838, 4038, 4208, 4247, 4253, 4263, 4347, 4724, 6303, 6311, 6375 | **Lucas Indiel** 223102 | **Magneti Marelli** 940113020002, AMB0002

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107163, 1107219, 1107233, 1107237, 1107242, 1107248, 1107259, 1107260, 1107266, 1107273, 1107274, 1107286, 1107289, 1107293, 1107294, 1107298, 1107299, 1107301, 1107302, 1107303, 1107306, 1107307, 1107313, 1107314, 1107315, 1107316, 1107317, 1107320, 1107321, 1107330, 1107331, 1107336, 1107340, 1107342, 1107345, 1107346, 1107347, 1107349, 1107352, 1107353, 1107355, 1107360, 1107361, 1107363, 1107365, 1107367, 1107368, 1107369, 1107370, 1107371, 1107372, 1107373, 1107374, 1107889

99.0022.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**100.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora CFY40 (6 cil / cyl, ←1977), Empilhadeira / Forklift / Apiladora CFY50 (6 cil / cyl, ←1977)

OEM *ORIGINAL*

Lucas Indiel 223140 | **Wapsa** 224002

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MALBD1, MALBD2, MALI1, MPC1

99.0024.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora W7 (Motor Perkins 6 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580H | **CBT** Trator / Tractor 1000 (Motor Perkins 4 cil / cyl), Trator / Tractor 1000 (Motor Perkins 6 cil / cyl), Trator / Tractor 1090 (Motor Perkins 4 cil / cyl), Trator / Tractor 1090 (Motor Perkins 6 cil / cyl), Trator / Tractor 1100 (Motor Perkins 4 cil / cyl), Trator / Tractor 1100 (Motor Perkins 6 cil / cyl), Trator / Tractor 8240 (Motor Perkins 4236) | **Chrysler** Dodge D400 (Motor Perkins 4 cil / cyl) | **Clark** Empilhadeira / Forklift / Apiladora 135, Empilhadeira /

Forklift / Apiladora 155, Empilhadeira / Forklift / Apiladora 50, Empilhadeira / Forklift / Apiladora 60, Empilhadeira / Forklift / Apiladora C300, Empilhadeira / Forklift / Apiladora C500, Empilhadeira / Forklift / Apiladora HY40, Empilhadeira / Forklift / Apiladora Y110, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75II, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III, Pick Up Militar (Motor PK4236) | **Ford** F11000 (Motor Perkins 6 cil / cyl), F12000 (Motor Perkins 6 cil / cyl Diesel), F13000 (Motor Perkins 6 cil / cyl Diesel), F2000 (4 cil / cyl), F4000 (4 cil / cyl), Trator / Tractor 4600, Trator / Tractor 5600, Trator / Tractor 6600 (4 cil / cyl) | **General Motors/Chevrolet** D20 (1991→), Especial / Special (Motor Perkins 6 cil / cyl), Pick Up (Motor Perkins 4 cil / cyl) | **Massey Ferguson** MF 275, MF 285, MF 290, MF 296, MF 400, MF 50X, MF 55X, MF 65R, MF 65X, MF 85X, MF 95I, MF220, MF235, MF250, MF290 RA (Motor Perkins 4236), MF3366, MF95X (11/1971~08/1977) | **New Holland** 4600 (Motor Diesel 4 cil / cyl), 4610 (Motor Diesel 4 cil / cyl), 5600 (Motor Diesel 4 cil / cyl), 5610 (Motor Diesel 4 cil / cyl), 6600 (Motor Diesel 4 cil / cyl), 6610 (Motor Diesel 4 cil / cyl), 7610 (Motor Diesel 4 cil / cyl) | **Perkins** 248 (Trator / Tractor CBT 8240, 01/1984→), 290 / 4 (Trator / Tractor 283), 290 / 4 (Trator / Tractor 290), 4236A (Trator / Tractor MF275, 04/1976→), 4236A (Trator / Tractor MF275 / 4, 04/1976→), A6.358 (Trator / Tractor Ideal 9110, 08/1989→), Motor 4 cil / cyl (Case), Motor 4 cil / cyl (CBT), Motor 4 cil / cyl (Dodge), Motor 4 cil / cyl (Ford), Motor 4 cil / cyl (General Motors / Chevrolet), Motor 6 cil / cyl (Case), Motor 6 cil / cyl (CBT), Motor 6 cil / cyl (Dodge), Motor 6 cil / cyl (Ford), Motor 6 cil / cyl (General Motors / Chevrolet), Motor Industrial / Industrial Motor 3152, Motor Industrial / Industrial Motor 4203, Motor Industrial / Industrial Motor 4236, Motor Industrial / Industrial Motor 6354.4, Motor Industrial / Industrial Motor 6358, Trator / Tractor 292, Trator / Tractor 292 (Turbo), Trator / Tractor 9130, Trator / Tractor 9150, Trator / Tractor 9170, Trator / Tractor MF283, Trator / Tractor MF296 (04/1976→), Trator / Tractor MF296 / 4 (04/1976→), Trator / Tractor MF400 (04/1976→) | **Volkswagen** 6.80 (Motor Perkins)

OEM *ORIGINAL*

Bosch 9001453333, 9001453334, 9001453338 | **General Motors/Chevrolet** 07328970 | **Lucas Indiel** 222460, TNB460 | **Volkswagen** 04128642, BC4N11350A | **Wapsa** 224004, 224036, 224038, 224043

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453001, 9000453004, 9000453005, 9000453006, 9000453009, 9000453011, 9000453014, 9000453015, 9000453016, 9000453017, 9000453019, 9000453028, 9000453032, 9000453034, 9000453038, 9000453041, 9000453042, 9000453043, 9000453046, 9000453047, 9000453049, 9000453050, 9000453051, 9000453052, 9000453054, 9000453059, 9000453061 | **Wapsa** MALMF2, MALP2, MALTF1, MALTF2, MPB1, MPB11, MPB17, MPB18, MPB2, MPB23, MPB31, MPB33, MPB49, MPB50, MPB59, MPB60, MPB63, MPB70, MPC69, MPF8, MPJ1074, MPMF3, MPN2

99.0024.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.50**

Igual ao BZM 99.1359.0/Same as 99.1359.0 BZM/Igual que BZM 99.1359.0
Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0024.0/Same as 99.0024.0 BZM/Igual que BZM 99.0024.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora W7 (Motor Perkins 6 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580H | **CBT** Trator / Tractor 1000 (Motor Perkins 4 cil / cyl), Trator / Tractor 1000 (Motor Perkins 6 cil / cyl), Trator / Tractor 1090 (Motor Perkins 4 cil / cyl), Trator / Tractor 1090 (Motor Perkins 6 cil / cyl), Trator / Tractor 1100 (Motor Perkins 4 cil / cyl), Trator / Tractor 1100 (Motor Perkins 6 cil / cyl), Trator / Tractor 8240 (Motor Perkins

4236) | **Chrysler** Dodge D400 (Motor Perkins 4 cil / cyl) | **Clark** Empilhadeira / Forklift / Apiladora 135, Empilhadeira / Forklift / Apiladora 155, Empilhadeira / Forklift / Apiladora 50, Empilhadeira / Forklift / Apiladora 60, Empilhadeira / Forklift / Apiladora C300, Empilhadeira / Forklift / Apiladora C500, Empilhadeira / Forklift / Apiladora HY40, Empilhadeira / Forklift / Apiladora Y110, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75II, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III, Pick Up Militar (Motor PK4236) | **Ford** F11000 (Motor Perkins 6 cil / cyl), F12000 (Motor Perkins 6 cil / cyl Diesel), F13000 (Motor Perkins 6 cil / cyl Diesel), F2000 (4 cil / cyl), F4000 (4 cil / cyl), Trator / Tractor 4600, Trator / Tractor 5600, Trator / Tractor 6600 (4 cil / cyl) | **General Motors/Chevrolet** D20 (1991→), Especial / Special (Motor Perkins 6 cil / cyl), Pick Up (Motor Perkins 4 cil / cyl) | **Massey Ferguson** MF 275, MF 285, MF 290, MF 296, MF 400, MF 50X, MF 55X, MF 65R, MF 65X, MF 85X, MF 95I, MF220, MF235, MF250, MF290 RA (Motor Perkins 4236), MF3366, MF95X (11/1971~08/1977) | **New Holland** 4600 (Motor Diesel 4 cil / cyl), 4610 (Motor Diesel 4 cil / cyl), 5600 (Motor Diesel 4 cil / cyl), 5610 (Motor Diesel 4 cil / cyl), 6600 (Motor Diesel 4 cil / cyl), 6610 (Motor Diesel 4 cil / cyl), 7610 (Motor Diesel 4 cil / cyl) | **Perkins** 248 (Trator / Tractor CBT 8240, 01/1984→), 290 / 4 (Trator / Tractor 283), 290 / 4 (Trator / Tractor 290), 4236A (Trator / Tractor MF275, 04/1976→), 4236A (Trator / Tractor MF275 / 4, 04/1976→), A6.358 (Trator / Tractor Ideal 9110, 08/1989→), Motor 4 cil / cyl (Case), Motor 4 cil / cyl (CBT), Motor 4 cil / cyl (Dodge), Motor 4 cil / cyl (Ford), Motor 4 cil / cyl (General Motors / Chevrolet), Motor 6 cil / cyl (Case), Motor 6 cil / cyl (CBT), Motor 6 cil / cyl (Dodge), Motor 6 cil / cyl (Ford), Motor 6 cil / cyl (General Motors / Chevrolet), Motor Industrial / Industrial Motor 3152, Motor Industrial / Industrial Motor 4203, Motor Industrial / Industrial Motor 4236, Motor Industrial / Industrial Motor 6354.4, Motor Industrial / Industrial Motor 6358, Trator / Tractor 292, Trator / Tractor 292 (Turbo), Trator / Tractor 9130, Trator / Tractor 9150, Trator / Tractor 9170, Trator / Tractor MF283, Trator / Tractor MF296 (04/1976→), Trator / Tractor MF296 / 4 (04/1976→), Trator / Tractor MF400 (04/1976→) | **Volkswagen** 6.80 (Motor Perkins)

OEM *ORIGINAL*

Bosch 9001453333, 9001453334, 9001453338 | **General Motors/Chevrolet** 07328970 | **Lucas Indiel** 222460, TNB460 | **Volkswagen** 04128642, BC4N11350A | **Wapsa** 224004, 224036, 224038, 224043

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453001, 9000453004, 9000453005, 9000453006, 9000453009, 9000453011, 9000453014, 9000453015, 9000453016, 9000453017, 9000453019, 9000453028, 9000453032, 9000453034, 9000453038, 9000453041, 9000453042, 9000453043, 9000453046, 9000453047, 9000453049, 9000453050, 9000453051, 9000453052, 9000453054, 9000453059, 9000453061 | **Wapsa** MALMF2, MALP2, MALTF1, MALTF2, MPB1, MPB11, MPB17, MPB18, MPB2, MPB23, MPB31, MPB33, MPB49, MPB50, MPB59, MPB60, MPB63, MPB70, MPC69, MPF8, MPJ1074, MPMF3, MPN2

99.0025.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**76.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F100, F1000, F150 | **Mercedes-Benz** Caminhão / Truck / Camión (Motor 0321, 12/1973→), Caminhão / Truck / Camión (Motor 0321H, 12/1973→), Caminhão / Truck / Camión (Motor 0321H2, 12/1973→), Ônibus / Bus / Ómnibus | **Toyota** Bandeirante | **Volkswagen** Caminhão / Truck / Camión (1981)

OEM *ORIGINAL*

Bosch 9001453391 | **Lucas** TNB463 | **Lucas Indiel** 222463 | **Mercedes-Benz** 3431517113 | **Wapsa** 224010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MALMWM3, MALMWM4, MALT1, MPB19, MPT2, MPT2N

99.0028.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión TX1600 (Motor MWM-D 229-3, ←12/1984) | **Lamborghini** 226, 230, 340, 452, 90-2, 90-4, LDA 78 / 4 | **Mercedes-Benz** 02319D, 180DB, 190DB, L319D, L405, L406 | **MWM** D2253, D2254, D2293 | **Perkins** Trator / Tractor CBT 8260 (4x4 Motor Perkins 6354 / 4, ←01/1984) | **Renault** 7052 | **Valmet** 10, 11, 110ID (Motor MWM-D 225-6, ←07/1977), 15, 22, 30, 35, 50DA, 62ID (Motor MWM-D 225-3, ←07/1985), 65ID (Motor MWM-D 225-3, ←07/1985), 68 (←07/1985), 68 Cafeeiro (←07/1985), 68 especial (Motor MWM-D 229-3, ←07/1985), 85ID (Motor MWM-D 229-3, ←07/1977)

OEM *ORIGINAL*

Bosch 2006209043, 2006209068, 2006209183, 2006209212, 2006209900, 2006209915 | **Italacciai** SD061 | **Lester** 16365 | **Lucas** TNB044 | **Lucas Indiel** 223103

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354016, 0001354064, 0001354076

99.0030.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**16.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.00**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Willys Linha Willys / Willys Line / Línea Willys

OEM *ORIGINAL*

Autolite-Prestolite EBA45, EBB113A, EBB129A, EBB19 | **Chrysler** 3837936, 3837986 | **Delco Remy** 1878079, 1881636, 1887463, 1904170, 1909204, 1912766, 1913587, 1913589, 1918219, 1922266, 1925079, 1925285, 1925871, 1938637, 1952832, 1958621, 1964293, 1971147, D2010, D2012, D2023 | **Ford** BRNN11350, FAB11350A, FAC11350A, FAD11350A, FAV11350A

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107037, 1107056, 1107074, 1107084, 1107087, 1107088, 1107089, 1107092, 1107095, 1107115, 1107116, 1107125, 1107126, 1107134, 1107139, 1107141, 1107149, 1107158, 1107173, 1107196, 1107198, 1107217, 1107235, 1107253, 1107605, 1107654, 1107658, 1107659, 1107695, 1107728, 1107745, 1107746, 1107747, 1107755, 1107762, 1107787, 1107830, 1107927, 1107943, 1107954, 1107977, 1108008, 1108015, 1108021, 1108029, 1108037, 1108057, 1108068, 1108077, 1108078, 1108106, 1108112, 1108126, 1108131, 1108149, 1108150, 1108186, 1109384, 1109450, 1109457, 1109458, 1109468, 1109654, 1109671 | **Ford** FAJ11001B, FAN11001A, FAP11001A, FAS11001A

99.0032.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**16.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**52.00**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**72.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Caminhão / Truck / Camión F600 (Gasolina / Gasoline), Campana CR | **Willys** Willys (1952~1961)

OEM *ORIGINAL*

Autolite-Prestolite 0637, EBA44, EBA44A, EBA47, EBB111, EBB132, EBB159A, EBB4A, EBB78A, EBB95, P59141, P59146, P59147, P59195, P59210 | **Chrysler** FO1907 | **Delco Remy** 1883768, 1922419, 1923288, 1933214, 1938976, 1939178, 1950398, 1954437, 1958842, 1961372 | **Ford** 2900761, C1AF11350A, C1AZ11350A, FAA11350A, FAU11350A, ICM11350A, ICM11350B, ICM11350C | **Lucas Indiel** 223145

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107213, 1107258, 1107261, 1107322, 1107741, 1107788, 1107881, 1107928, 1108014, 1108032, 1108047, 1108048, 1108052, 1108056, 1108061, 1108062, 1108063, 1108064, 1108065, 1108066, 1108071, 1108081, 1108113, 1108152, 1108163, 1108166, 1108168, 1108169, 1108170, 1108171, 1108182, 1108235, 1108258, 1109388, 1109395, 1109462, 1109479 | **Ford** 2900550, 2900557, 2900726, 2900804, B5C11002A

99.0034.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora W20 (←09/1976) | **CBT** Oliver 1020 (←09/1976), Oliver 1065 (←09/1976), Oliver 1105 (←09/1976), Oliver 950 (←09/1976) | **Chrysler** Dodge D950 (MWM, ←07/1977) | **Clark** Pá

Carregadeira / Wheel Loader / Pala Cargadora Michigam 55A (←09/1976), Pá Carregadeira / Wheel Loader / Pala Cargadora Michigam 65R (←09/1976), Pá Carregadeira / Wheel Loader / Pala Cargadora Michigam 75III (←09/1976) | **Massey Ferguson** MF 85 | **Mercedes-Benz** 1111 (OM321), 1113, 1313, 1316, 1513, 1516, 2013, 2015, 2213 (OM352), 2216 (OM352A), L408DG, L508G, L608DG, LP608, LP808, Micro Ônibus / Micro Bus / Micro Ómnibus L608D (OM314), O362 (MWM D226-4, ←09/1976), O362A (Autolite), OM 314, OM 321, OM 321 (Marítimo / Maritime ED, 1959), OM 324, OM 324 (Marítimo / Maritime ED, 1961), OM 352, OM 352A, OM326, OM326 (Marítimo / Maritime, 1963), U54, U66, U72, U80 | **MWM** Motor D2256 (←07/1977) | **Toyota** Bandeirante (MBB-OM314, ←09/1976)

OEM *ORIGINAL*

Bosch 9001083440 | **Lucas Indiel** 222461, TNB461 | **Mercedes-Benz** 3431517113

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001358030, 9000082020, 9000083001, 9000083011, 9000083012, 9000083014, 9000083018, 9000083020, 9000083029

99.0035.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**120.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Faun AK 320 HB | **Fiat Allis** 673 (MWM Diesel), 805C (MWM) | **Fiat Iveco** Caminhão / Truck / Camión 130 | **Lancia** Beta Z50 (Diesel), Esadelta B, Esagamma, Esatau | **MAN** 10.136, 12.136, 12.170, 160, 192, 212, 215, 216, 230 | **Mercedes-Benz** OM 321, OM 324, OM326 | **Volvo** DR860, DR860 (T), LM1240, LM840, S950, SM868, T800, T810, T814, VHK116, VHK118, VHK310

OEM *ORIGINAL*

Bosch 2006380010, 2006380410, 2006380414, 2006380418, 2006381410 | **Cargo** 130417, 131748 | **Fiat** 8122125, 9004794, 9923779 | **Iskra** 18100098 | **Italacciai** SP201 | **Lester** 16369, 17108, 18039 | **Lucas Indiel** 223104 | **Magneti Marelli** 74372520, 74372530, 940113020005, AMB0005 | **Visnova** 034200

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001400152, 0001401007, 0001401025, 0001401041, 0001401049, 0001401050, 0001401051, 0001401052, 0001401061, 0001401066, 0001401074, 0001402008, 0001402050, 0001402054, 0001402055, 0001402058, 0001402059, 0001402060, 0001402061, 0001402071, 0001402075, 0001402080, 0001402081, 0001402083, 0001501001, 0001501038, 9967600004 | **Efel** 22202 | **Fiat** 4127580, 587624, 8961386, 8962211, 8962232 | **Iskra** 10130121, 10130123, 11130005, 11130009, 11130104, 11130115, 11130148 | **Magneti Marelli** 63211627, 63211665, 63211669, 63213127, 63213812, 63214349, 63214371, 63216225, 63216325

99.0036.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**41.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**120.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 400, 450 | **Caterpillar** Motoniveladora / Motor Grader / Motoniveladora 12E (←01/1973) | **Fiat** Caminhão / Truck / Camión FNM D9500 | **KHD** D8005, M90D7FL, M90D7L | **Lancia** Esadelta, Esaro 3RO, Esatau | **Scania** DS11 (R82A Marítimo / Maritime, Turbo Compressor / Turbocompresor Holset 4 LE), Motor D11 (Marítimo / Maritime ED, 1966), Motor D11 (R81 Marítimo / Maritime ED, 1966~1970), Motor DSI11 (R82A), Ônibus / Bus / Ómnibus B115 (←04/1975), Ônibus / Bus / Ómnibus BR110 (←04/1975), Ônibus / Bus / Ómnibus BR115S (←04/1975)

OEM *ORIGINAL*

Bosch 2006380558, 2006381558 | **Cargo** 130721, 131714 | **Femsa** 3550 | **Fiat** 9008738 | **Iskra** 18100021 | **Italacciai** SP205 | **Lucas Indiel** 223105 | **Magneti Marelli** 74372580, 74372630 | **Volkswagen** 2431807 | **WAI** 5491200

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001401002, 0001401044, 0001401045, 0001401046, 0001402002, 0001402051, 0001402052, 0001402053, 0001402057, 0001501003, 0001501020, 0001501032, 9000085004, 9967600005 | **Femsa** MTH241, MTH242, MTH244 | **Iskra** 11130158

99.0037.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**-**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**120.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 1000, 800, 900 | **Fiat** Caminhão / Truck / Camión FNM D11000 | **OM** Orione, Super Orione

OEM *ORIGINAL*

Bosch 2006380450, 2006380458, 2006381458 | **Magneti Marelli** 74350412, 74350413, 74350433

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001501005, 0001501036 | **Magneti Marelli** NN5, NN6

99.0041.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**102.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Caminhão / Truck / Camión (1954~1960) **|** **Massey Ferguson** MF 1956 **|** **New Holland** Super Major (Diesel)

OEM *ORIGINAL*

Lester 16603, 16604, 16660 **|** **Lucas** 291484, 54244389, TLB165

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26132A/F, 26132H/R, 26143A/H, 26143J/Q, 26172A/L

99.0043.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson Trator / Tractor MF235 (←1986), Trator / Tractor MF235 (Perkins A3.152) **|** **Perkins** Motor (4 cil / cyl), Motor (6 cil / cyl), Trator / Tractor MF235 (Perkins A3.152), Trator / Tractor MF265

OEM *ORIGINAL*

Bosch 9001083445 **|** **Lucas** TNB445

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083000

99.0044.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Belina I, Corcel I

OEM *ORIGINAL*

Bosch 1006209012, 1006209014, 1006209017, 1006209125, 1006209902, 9001082417 | **Lester** 16326, 16332, 16360 | **Lucas** TMB484 | **Lucas Indiel** 221484 | **Volkswagen** 85357

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001203016, 0001305016, 0001308006, 9000082005, 9000082010

99.0045.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet C10, C75, Caravan (1976→), Opala (1976→), Pick-up C10 (1976→), Pick-up C15 (1976→) | **Puma** Puma GTB (GM4100)

OEM *ORIGINAL*

Bosch 1987BE0122 | **General Motors/Chevrolet** 01954842 | **Lucas** TDB045 | **Lucas Indiel** 221711 | **Wapsa** 224033

99.0046.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Opala (←06/1978)

OEM *ORIGINAL*

Bosch 9001082177, 9001082419 | **General Motors/Chevrolet** 07325345 | **Lucas** TMB419 | **Volkswagen** 9307667

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082006, 9000082022

99.0049.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge D100, Dodge D400, Dodge D700

OEM *ORIGINAL*

Wapsa 224014

99.0050.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge Chrysler (1962~1975) | **Dodge** Coronado, GTX, Polara

OEM *ORIGINAL*

Bosch 1987BE0001 | **Cargo** 130536 | **Chrysler** 2095122, 2095152, 2095397, 2444651, 2444658, 3755085, 3874045, 4094174, 4106360, CH1920, CH1922, CH1925, CH1927 | **Ford** 2900804, SDC241 | **Ingersoll Rand** 10BM2992 | **Leece-Neville** MO2904229 | **Lester** 3250, 3257, 3258 | **Lucas Indiel** 221903 | **Massey Ferguson** 1035381M92 | **Remy** 1939444, 1972282, C2001, D2018 | **Schwitzer** 141266 | **WAI** 543019 | **White** 312729587, 31275227

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Autolite-Prestolite MHB4011R, MHB4012R, MHB4013R, MZ4205, MZZ4658 | **Chrysler** 1889297, 2095122, 2095150, 2095254, 3656650 | **Remy** 1107650, 1107651, 1107666, 1107748, 1107749

99.0051.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.20**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora | **Detroit** Caminhão / Truck / Camión GM (Motor 4.53), Pá Carregadeira / Wheel Loader / Pala Cargadora Case (Motor 4.53)

OEM *ORIGINAL*

Allis-Chalmers 0268366 | **Caterpillar** 329679, 650260 | **Delco Remy** 10498438, 10499856, 1851430, 1875802, 1875852, 1877353, 1877354, 1932308, 1932890, 1934488, 1940134, 1940138, 1951180, 1952486, 1965358, 1967042, D2017, D2107, D4123 | **Hyster** 154666 | **Leece-Neville** MO2904282 | **Lester** 3276, 3279, 3280, 3729, 3793, 3804, 3852, 3873, 3943, 3953, 3977, 3992, 4280, 4387, 4882, 4883, 4893, 4999, 6181, 6185, 6188, 6198, 6519 | **Lucas Indiel** 223153 | **Massey Ferguson** 1095635M91

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107251, 1107343, 1107344, 1107504, 1107510, 1107527, 1107534, 1107538, 1107553, 1107567, 1107581, 1107587, 1107588, 1107600, 1107875, 1108239, 1108636, 1108641, 1108643, 1108652, 1108653, 1108661, 1108692, 1109140, 1109196, 1113007, 1113010, 1113013, 1113038, 1113050, 1113052, 1113056, 1113059, 1113064, 1113066, 1113075, 1113084, 1113089, 1113097, 1113099, 1113100, 1113101, 1113110, 1113111, 1113116, 1113121, 1113124, 1113128, 1113130, 1113133, 1113136, 1113137, 1113142, 1113143, 1113145, 1113150, 1113153, 1113154, 1113156, 1113157, 1113158

99.0052.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora **| TCM Equipment Ag** Pá Carregadeira / Wheel Loader / Pala Cargadora

OEM *ORIGINAL*

Cargo 131769 **| Delco Remy** 0800026, 1852410, 1852570, 1852970, 1892899, 1918886C, 1921999, 1929402, 1930802, 1935992, 1941589, 1946220, 1947680, 1952410, D2005, D2009, D2021 **| Lester** 3281, 3282, 3870, 3883, 3964, 3966, 4046, 4098, 4151, 4167, 4200, 4201, 4202, 4217, 4224, 4239, 4243, 4244, 4246, 4249, 4254, 4283, 4286, 4326, 4328, 4388, 4393, 4408, 4500, 4506, 4508, 4509, 4545, 4597, 4723, 4996, 6147, 6148, 6157, 6180, 6521, 6740 **| Prestolite** 852957 **| Valeo** 10531, 480468

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107203, 1107234, 1107245, 1107280, 1107308, 1107332, 1107356, 1107364, 1107377, 1107378, 1107379, 1107393, 1107501, 1107516, 1107523, 1107546, 1107547, 1107550, 1107556, 1107558, 1107559, 1107571, 1107572, 1107583, 1107584, 1107598, 1107680, 1107734, 1107771, 1107874, 1107879, 1108033, 1108042, 1108051, 1108161, 1108250, 1108251, 1108323, 1108340, 1108341, 1108393, 1108438, 1108501, 1108662, 1108665, 1108672, 110879, 1109081, 1109192, 1109259, 1117335, 1117356, 1117364, 1117377

99.0053.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**71.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Club Wagon (8 cil / cyl 4.3L 4261cc 260cid, 1963~1964), Club Wagon (8 cil / cyl 4.7L 4727cc 289cid, 1963~1964), Country Sedan (6 cil / cyl 3.9L 240cid, 1963~1964), Country Sedan (6 cil / cyl 3.9L 3933cc 240cid, 1965~1970), Country Sedan (8 cil / cyl 4.3L 4261cc 260cid, 1963~1965), Country Sedan (8 cil / cyl 4.7L 4727cc 289cid, 1965~1967), Country Sedan (8 cil / cyl 5.0L 302cid, 1968~1969), Country Sedan (8 cil / cyl 5.0L 302cid, 1971~1972), Country Sedan (8 cil / cyl 5.0L 4949cc 302cid, 1968~1972), Country Sedan (8 cil / cyl 5.8L 351cid, 1969~1974), Country Sedan (8 cil / cyl 5.8L 5752cc 351cid, 1969~1974), Country Sedan (8 cil / cyl 5.8L 5753cc 351cid, 1969~1974), Country Squire (6 cil / cyl 3.9L 3933cc 240cid, 1965~1967), Country Squire (8 cil / cyl 4.3L 4261cc 260cid, 1963~1964), Country Squire (8 cil / cyl 4.7L 4727cc 289cid, 1965~1967), Country Squire (8 cil / cyl 5.0L 302cid, 1968~1972), Country Squire (8 cil / cyl 5.0L 4949cc 302cid, 1969~1972), Country Squire (8 cil / cyl 5.8L 351cid, 1969~1974), Country Squire (8 cil / cyl 5.8L 5752cc 351cid, 1969~1974), Country Squire (8 cil / cyl 5.8L 5753cc 351cid, 1969~1974), Custom (6 cil / cyl 3.9L 3933cc 240cid, 1965~1972), Custom (8 cil / cyl 4.3L 4261cc 260cid, 1964~1967), Custom (8 cil / cyl 4.7L 4727cc 289cid, 1964~1967), Custom (8 cil / cyl 5.0L 4949cc 302cid, 1968~1972), Custom (8 cil / cyl 5.8L 5752cc 351cid, 1969~1972), Custom (8 cil / cyl 5.8L 5753cc 351cid, 1969~1972), Custom 500 (6 cil / cyl 3.9L 240cid, 1965~1972), Custom 500 (6 cil / cyl 3.9L 3933cc 240cid, 1968~1972), Custom 500 (8 cil / cyl 4.3L 260cid, 1964), Custom 500 (8 cil / cyl 4.7L 289cid, 1964~1967), Custom 500 (8 cil / cyl 5.0L 302cid, 1968~1972), Custom 500 (8 cil / cyl 5.0L 4949cc 302cid, 1962~1972), Custom 500 (8 cil / cyl 5.8L 351cid, 1969~1974), Custom 500 (8 cil / cyl 5.8L 351cid Windsor, 1977), Custom 500 (8 cil / cyl 5.8L 5752cc 351cid, 1969~1974), Custom 500 (8 cil / cyl 5.8L 5753cc 351cid, 1969~1974), Fairlane (6 cil / cyl 4.1L 250cid, 1969~1970), Fairlane (6 cil / cyl 4.1L 4097cc 250cid, 1969~1970), Fairlane (6 cil / cyl 4.1L 4098cc 250cid, 1969~1970), Fairlane (8 cil / cyl 3.6L 221cid, 1962~1963), Fairlane (8 cil / cyl 3.6L 3622cc 221cid, 1962~1963), Fairlane (8 cil / cyl 4.3L 260cid, 1963~1964), Fairlane (8 cil / cyl 4.3L 4261cc 260cid, 1962~1964), Fairlane (8 cil / cyl 4.7L 289cid, 1963~1968), Fairlane (8 cil / cyl 4.7L 4727cc 289cid, 1963~1968), Fairlane (8 cil / cyl 5.0L 302cid, 1968~1970), Fairlane (8 cil / cyl 5.0L 4949cc 302cid, 1968~1970), Fairlane (8 cil / cyl 5.8L 351cid, 1969~1970), Fairlane (8 cil / cyl 5.8L 5752cc 351cid, 1969~1970), Fairlane (8 cil / cyl 5.8L 5753cc 351cid, 1969~1970), Falcon (6 cil / cyl 3.3L 200cid, 1966~1970), Falcon (6 cil / cyl 3.3L 3277cc 200cid, 1966~1970), Falcon (6 cil / cyl 3.3L 3278cc 200cid, 1968~1970), Falcon (6 cil / cyl 4.1L 250cid, 1970), Falcon (6 cil / cyl 4.1L 4097cc 250cid, 1970), Falcon (6 cil / cyl 4.1L 4098cc 250cid, 1970), Falcon (8 cil / cyl 4.3L 260cid, 1963~1964), Falcon (8 cil / cyl 4.3L 4261cc 260cid, 1963~1964), Falcon (8 cil / cyl 4.7L 289cid, 1964~1968), Falcon (8 cil / cyl 4.7L 4727cc 289cid, 1964~1968), Falcon (8 cil / cyl 5.0L 302cid, 1968~1970), Falcon (8 cil / cyl 5.0L 4949cc 302cid, 1968~1970), Falcon (8 cil / cyl 5.8L 351cid, 1970), Falcon (8 cil / cyl 5.8L 5752cc 351cid, 1970), Falcon (8 cil / cyl 5.8L 5753cc 351cid, 1970), Ford 300 (8 cil / cyl 4.3L 4261cc 260cid, 1963), Ford 300 (8 cil / cyl 4.7L 4727cc 289cid, 1963), Galaxie (6 cil / cyl 3.9L 3933cc 240cid, 1965~1967), Galaxie (8 cil / cyl 4.3L 4261cc 2960cid, 1964), Galaxie (8 cil / cyl 4.7L 4727cc 289cid, 1963~1967), Galaxie 500 (6 cil / cyl 3.9L 240cid, 1965~1972), Galaxie 500 (6 cil / cyl 3.9L 3933cc 240cid, 1968~1972), Galaxie 500 (8 cil / cyl 4.3L 260cid, 1964)

OEM *ORIGINAL*

Autolite-Prestolite MAD3073 | **Bosch** 1987BE0002 | **Chrysler** FO1905, FO1909 | **Femsa** 278963 | **Ford** C1VF11350A, C1VY11350A, C2OF11350C, C3VF11350A, C3VF11350C, C4OF11350A, C4OF11350B, C4OZ11350A, C4OZ11350B, C5JF11350A, C6FY11350A, C6VY11350A, C6VY11350A1, C7AF11350A, C7AF11350A1, C8VF11350B, C8VF11350B1, D5AF11350AA, D6PF11A108B, D6PF11A108BA, D6PZ11350B, SD302 | **Leece-Neville** 04231 | **Lester** 3124, 3131, 3132, 3135, 3149, 3152, 3153, 3154, 3155, 3157, 3160, 3168, 3169, 3176, 3181, 3185, 3187, 3188, 3189 | **Remy** 1972287, F2004

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E1TF11001B, E1TF11001CA, E1TZ11002A, E1TZ11002B, E1TZ11002C

99.0054.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**15.30**
L Comprimento	**77.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge (1963~1977), Dodge D500, Plymouth (1970~1972)

OEM *ORIGINAL*

Chrysler 1889129, 2444661, 2642445, 2642506, 2642692, CH1917, CH1924 | **Ford** SDC238 | **Leece-Neville** MO2904227 | **Lester** 3248, 3249, 3252 | **Prestolite** P1831 | **Remy** 1889129, 1972281, 1972365, C2000, C2002 | **WAI** 543029 | **White** 2723197

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 1889100, 1889129, 1889200, 2095753, 2642227, 2642445, 2642692

99.0056.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F100 (Gasolina / Gasoline, 06/1975~12/1975), F350 (Gasolina / Gasoline, 06/1975~12/1975), F600 (Gasolina / Gasoline, 06/1975~12/1975), Galaxie (06/1970→), Landau (06/1970~12/1975), LTD (06/1970~12/1975), Pick-Up (06/1970→) | **Hyster** Guindaste / Crane / Grúa KF (06/1970→) | **Willys** Itamaraty (06/1970→), Jeep (06/1970→), Rural (06/1970→)

OEM *ORIGINAL*

Bosch 9001453340 | **Volkswagen** BD0A11350A | **Wapsa** 224016

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 900453055 | **Wapsa** MALW3N, MPB3, MPB4

99.0059.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**92.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Compressor / Compresor Deutz | **Deutz** Compressor / Compresor Atlas Copco, Trator / Tractor Demisa DM55, Trator / Tractor Demisa DM65

OEM *ORIGINAL*

Bosch 9001083442

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083002, 9000083030

99.0060.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

CBT Trator / Tractor 1090 (6 cil / cyl) **| Fiat** 127 (1.3 D), 147, Duna 60, Duna 70, Fiorino (1.1), Fiorino (1.3), Fiorino (1.4i), Uno (1.1), Uno (1.3), Uno (1.4i) **| Perkins** Motor (4 cil / cyl), Motor (6 cil / cyl)

OEM *ORIGINAL*

Bosch 9001083441

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083003, 9000083013, 9000083019, 9000083040

99.0061.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**92.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yanmar Motor AE1 (←08/1970), Motor AE2 (←08/1970)

OEM *ORIGINAL*

Bosch 9001083443

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083004

99.0062.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale 4100 (←07/1977), 416 (←07/1977), 420 (←07/1977), Motor Estacionário / Stationary Motor / Motor Estacionario M70 (←07/1997), Motor Estacionário / Stationary Motor / Motor Estacionario M790 (←07/1977), Motor Estacionário / Stationary Motor / Motor Estacionario M80 (←07/1977), Motor Estacionário / Stationary Motor / Motor Estacionario M85 (←07/1977), Motor Estacionário / Stationary Motor / Motor Estacionario M90 (←07/1977), Motor Estacionário / Stationary Motor / Motor Estacionario M93 (←07/1977)

OEM *ORIGINAL*

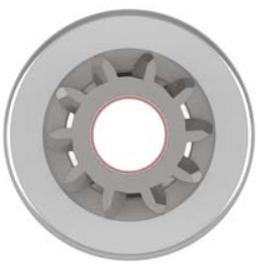
Bosch 9001082127, 9001082418

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082004

99.0064.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**69.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Retroescavadeira / Backhoe / Retroexcavadora, Transit, Trator / Tractor 2000, Trator / Tractor 3000, Trator / Tractor 4000, Trator / Tractor 5000, Trator / Tractor 7000 | **Land Rover** 109, 110 (2.25 D) | **Nissan** Cabstar

OEM *ORIGINAL*

Facet 10325 | **Ford** 2701E11350B, 72DB11K003AA | **Italacciai** SD341 | **Lester** 16608 | **Lucas** 54240795, 54243848, 54246661, 54247188, 54258190, 60600210, TMB101 | **Lucas Indiel** 223164

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Facet 26211M/T | **Ford** 26211, 26291 | **Italacciai** 26211M | **Lucas Indiel** 26211M/T, 26211MTM50, 26227A/Q, 26291A/D, 26291ADM50, 26305A/B, 26305ABM50, 26312, 26312A, 26312AM50, 26338, 26339, 26350A/B, 26395, S5012

99.0065.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Porsche 190, 924 | **Puma** Puma GT (VW 1600, ←04/1981), Puma GTS (VW 1600, ←04/1981) | **Volkswagen** Brasilia (1.3 Álcool / Alcohol), Brasilia (1.3 Gasolina / Gasoline), Brasilia (1.6 Álcool / Alcohol), Brasilia (1.6 Gasolina / Gasoline), Fusca (1.6, 1994), Gol (1.3 Álcool / Alcohol), Gol (1.3 Gasolina / Gasoline), Gol (1.6 Álcool / Alcohol), Gol (1.6 Gasolina / Gasoline), Karmann-Ghia (TC 1600), Kombi (1.5), Kombi (1.6), Pick Up (1.5), Pick Up (1.6), Saveiro (1.6 Álcool / Alcohol), Saveiro (1.6 Gasolina / Gasoline), Sedan (1.3 Álcool / Alcohol), Sedan (1.3 Gasolina / Gasoline), Sedan (1.6 Álcool / Alcohol), Sedan (1.6 Gasolina / Gasoline), SP1, SP2, TC1600, TL1600, Variant I, Variant II

OEM *ORIGINAL*

Bosch 1006209162, 1006209431, 2006209162, 9001042021, 9001082362 | **Italacciai** SD450 | **Lester** 16450 | **Lucas** TMB482 | **Lucas Indiel** 221482 | **Volkswagen** 3059113353, 311911335A

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001211992, 0001211993, 0001314012, 9000082009, 9000082032, 9000082034, 9000082046, 9000082047, 9000082049, 9000082073, 9000082077

99.0067.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bedford Caminhão / Truck / Camión 6D4, Caminhão / Truck / Camión 6RT, Caminhão / Truck / Camión C64 | **Berliet** 610 KG, 750 GL | **Case** H25B Payloader | **Lancer** D Series, H Series | **Land Rover** Especial / Special (Diesel) | **Massey Ferguson** Trator / Tractor MF148, Trator / Tractor MF20, Trator / Tractor MF235, Trator / Tractor MF240, Trator / Tractor MF285, Trator / Tractor MF81 | **New Holland** Colheitadeira / Combine / Cosechadora M89 | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Tratores / Tractors / Tractores

OEM *ORIGINAL*

Cargo 130446 | **Lester** 16660, 17641 | **Lucas** 54246725, 54259688, TMB105 | **Lucas Indiel** 223165

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26236A/K, 26238A/L, 26248A/L, 26256A/E, 26259A/K, 26264A/F, 26271A/E, 26279A/E, 26281A/E, 26283A/F, 26285A/E, 26287A/E, 26288A/E, 26310A/D, 26310A/E, 26321A/B

99.0068.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi Fox 100 (1.6), Fox 100 (1.8), Fox 100 (1.9), Fox 4000 (1.6), Fox 4000 (1.7), Fox 50 (1.3), Fox 50 (1.5), Fox 80 (1.3), Fox 80 (1.5), Fox 80 (1.6) | **BMW** 528i, 728i | **Ford** Capri (2.8), Galaxy, Granada (2.8), Pampa (1.6) | **Opel** Ascona A, Blitz (1.9), Manta A, Rekord D | **Volkswagen** Dasher (1.5 D), Derby, Gol (1.6), Gol (1.8), Gol (2.0), Gol (C), Gol (CL), Gol (GL), Golf (1.1), Golf (1.3), Jetta (1.1), Jetta (1.3), Jetta (1.7), Kombi, Parati (1.5 C), Parati (1.6 C), Parati (CL), Parati (GL), Passat (1.3), Passat (1.5), Passat (1.5 D), Passat (1.6), Pick Up (1.6), Polo, Rabbit (1.7), Saveiro (1.6 CL), Saveiro (GL), Scirocco (1.1), Scirocco (1.3), Scirocco (1.6), Scirocco (1.7), Voyage (1.5 CL), Voyage (1.6 CL), Voyage (GL)

OEM *ORIGINAL*

Bosch 1006209400, 1006209405, 1006209412, 1006209417, 9001082750 | **Italacciai** SD454 | **Lester** 16401, 16530, 16539, 16621, 16623, 16781 | **Lucas Indiel** 221421, TMB421 | **Volkswagen** 052911335, 056911335, 056911335A, ZBA911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208053, 0001208054, 0001208055, 0001211209, 0001211210, 0001211213, 0001211214, 0001211216, 0001211217, 0001211218, 0001211219, 0001211220, 0001211230, 0001211233, 0001211234, 0001211235, 0001211236, 0001211244, 0001211245, 0001211247, 0001211248, 0001211249, 0001311041, 0001311046, 0001311049, 0001314014, 0001314015, 9000082030, 9000082045

99.0069.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**92.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Dodge, Dodge Dart (8 cil / cyl)

OEM *ORIGINAL*

Bosch 9001453392 | **Wapsa** 224028

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPB21

99.0070.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**92.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Caminhão / Truck / Camión Dodge (Álcool / Alcohol, 1981→), Dodge D100 (Gasolina / Gasoline), Dodge D900 (Gasolina / Gasoline)

OEM *ORIGINAL*

Bosch 9001453284 | **Wapsa** 224029

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453025 | **Wapsa** MPB22, MPB55

99.0073.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora CHY100 (6 cil / cyl), Empilhadeira / Forklift / Apiladora CHY120 (6 cil / cyl), Empilhadeira / Forklift / Apiladora CHY140 (6 cil / cyl), Empilhadeira / Forklift / Apiladora CHY60 (6 cil / cyl), Empilhadeira / Forklift / Apiladora CHY70 (6 cil / cyl), Empilhadeira / Forklift / Apiladora CHY80 (6 cil / cyl)

OEM *ORIGINAL*

Wapsa 224025

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPB5

99.0075.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**102.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión Dodge (1974→), Dodge Charger, Dodge Dart

OEM *ORIGINAL*

Bosch 9001083250

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083017

99.0076.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**102.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión Dodge D100, Caminhão / Truck / Camión Dodge D400, Caminhão / Truck / Camión Dodge D700

OEM *ORIGINAL*

Bosch 9001083259

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083017

99.0077.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 2300 (←03/1977), 2300B (←03/1977) **| Chrysler** Dodge Polara 1800

OEM *ORIGINAL*

Bosch 9001082424, 9001082426, 9001082498

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082013, 9000082020, 9000082029

99.0078.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Caminhão / Truck / Camión 180, Caminhão / Truck / Camión 210 **| Hanomag** 14C, 30C, 44C, 55C, 600C, 66C, 700D, 77C, B11C, B18C, C11C, C44, C66C, D600, K10, K11, K14D, K18C, K7, K8, L600D **| Massey Ferguson** 44, 55, 55C, 600, 66, 66C, 700C, 77C, C44, D66

OEM *ORIGINAL*

Bosch 2006382154, 2006383154

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001410026, 0001410027, 0001410035, 0001410047, 0001410094, 0001415007, 0001416004

99.0080.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**68.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 100, 100 (1.8), 100 (1.9), 100 (Séries GL L4 1.9 Gasolina / Gasoline, 1972), 100 (Séries GL L4 1.9 Gasolina / Gasoline, 1973), 100 (Séries LS L4 1.8 Gasolina / Gasoline, 1971), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1972), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1973), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1974), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1975), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1976), 100 (Séries LS L4 1.9 Gasolina / Gasoline, 1977), 60, 72, 80, 90 | **Ford** Capri, Consul, Granada, Taunus (2.0), Taunus (2.3) | **General Motors/Chevrolet** Chevette (1.4 Gasolina / Gasoline, 01/1975~07/1976), Marajó (1.4 Álcool / Alcohol, 02/1975~07/1976), Marajó (1.4 Gasolina / Gasoline, 02/1975~07/1976) | **Mercedes-Benz** 190C, 200, 220, 230, 250, 280, 300, L408G, O309B | **Opel** Ascona A, Kadett B, Kadett C, Rekord | **Saab** 9-5, 96, 99, 99 (Turbo) | **Volvo** 121, 122, 140, 142, 144, 145, 164, 1800, 221, 222

OEM *ORIGINAL*

Bosch 1006209029, 1006209031, 1006209034, 1006209040, 1006209047, 1006209051, 1006209052, 1006209053, 1006209055, 1006209058, 1006209066, 1006209101, 1006209127, 1006209332, 2006209165, 2006209166, 9001082420 | **General Motors/Chevrolet** 07329691 | **Italacciai** SD305 | **Lester** 16299, 16321, 16328, 16331, 16332, 16337, 16341, 16360, 16367, 16407, 16412, 16440, 16443, 16539, 16692 | **Lucas** TMB420 | **Lucas Indiel** 223176 | **Volkswagen** 059911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001207010, 0001208001, 0001208003, 0001208009, 0001208011, 0001208023, 0001208025, 0001208026, 0001208030, 0001208033, 0001208036, 0001208038, 0001208046, 0001208047, 0001208050, 0001208058, 0001208059, 0001208061, 0001209002, 0001209003, 0001209008, 0001209012, 0001211006, 0001211010, 0001211018, 0001211991, 0001310016, 0001311001, 0001311013, 0001311019, 0001311023, 0001311024, 0001311027, 0001311028, 0001311030, 0001311031, 0001311032, 0001311034, 0001311036, 0001311037, 0001311039, 0001313001, 9000082012, 9000082023

99.0081.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**68.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge Polara 1800

OEM *ORIGINAL*

Bosch 9001451293 | **Wapsa** 224036

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453053 | **Wapsa** MWB13

99.0082.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (motor Georgia), F75 (motor Georgia), Maverick (4 cil / cyl, motor Georgia) | **Willys** Jeep (motor Georgia)

OEM *ORIGINAL*

Bosch 9001082306 | **Volkswagen** BD7D11350A

99.0084.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Perkins Motor Industrial / Industrial Motor

OEM *ORIGINAL*

Bosch 9001453342 | **Wapsa** 224024

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453018, 9000453053 | **Wapsa** MPB13, MWC2

99.0085.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale TX1600 (Motor MWM) | **Chrysler** Dodge D14000 (Motor MWM, 6 cil / cyl, partida / starter Wapsa), Dodge D750 (Motor MWM 6 cil / cyl), Dodge D950 (Motor MWM 6 cil / cyl) | **Ford** Cargo 1113, Cargo 1313, F1000 (Motor MWM), F11000 (Motor MWM), F12000 (Motor MWM), F13000 (Motor MWM), F14000 (Motor MWM), F19000 (Motor MWM), F2000 (Motor MWM), F21000 (Motor MWM), F22000 (Motor MWM), F400 (Motor MWM), F4000 (Motor MWM), F7000 (Motor MWM) | **Massey Ferguson** Trator / Tractor | **MWM** D2293, D2294, D2296 | **Valmet** Trator / Tractor (Motor MWM 3 cil / cyl), Trator / Tractor (Motor MWM, 4 cil / cyl), Trator / Tractor (Motor MWM, 6 cil / cyl) | **Volkswagen** Caminhão / Truck / Camión VW11.130, Caminhão / Truck / Camión VW13.130

OEM *ORIGINAL*

Bosch 9001453336 | **Lucas** TNB402 | **Lucas Indiel** 222402 | **Volkswagen** BD5T11350A, T11911335A | **Wapsa** 224026

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453012, 9000453027, 9000453033, 9000453062 | **Wapsa** MPB30, MPB42, MPB68, MPB9

99.0085.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.00**

Igual ao BZM 99.1361.0/Same as 99.1361.0 BZM/Igual que BZM 99.1361.0
Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0085.0/Same as 99.0085.0 BZM/Igual que BZM 99.0085.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale TX1600 (Motor MWM) | **Chrysler** Dodge D14000 (Motor MWM 6 cil / cyl), Dodge D750 (Motor MWM 6 cil / cyl), Dodge D950 (Motor MWM 6 cil / cyl) | **Ford** Cargo 1113, Cargo 1313, F1000 (Motor MWM), F11000 (Motor MWM), F12000 (Motor MWM), F13000 (Motor MWM), F14000 (Motor MWM), F19000 (Motor MWM), F2000 (Motor MWM), F21000 (Motor MWM), F22000 (Motor MWM), F400 (Motor MWM), F4000 (Motor MWM), F7000 (Motor MWM) | **Massey Ferguson** Trator / Tractor | **MWM** D2293, D2294, D2296 | **Valmet** Trator / Tractor (Motor MWM 3 cil / cyl), Trator / Tractor (Motor MWM 4 cil / cyl), Trator / Tractor (Motor MWM 6 cil / cyl) | **Volkswagen** Caminhão / Truck / Camión VW11.130, Caminhão / Truck / Camión VW13.130

OEM *ORIGINAL*

Bosch 9001453336 | **Lucas** TNB402 | **Lucas Indiel** 222402 | **Volkswagen** BD5T11350A, T11911335A | **Wapsa** 224026

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453012, 9000453027, 9000453033, 9000453062 | **Wapsa** MPB30, MPB42, MPB68, MPB9

99.0086.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**97.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora CFY40 (1978→), Empilhadeira / Forklift / Apiladora CFY50 (1978→)

OEM *ORIGINAL*

Wapsa 224031

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPC1N

99.0087.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

ABG Jumbo 140 | **Aifo** M32S, M42S, M52S | **Asia Motors** PR425 | **Case** Pá Carregadeira / Wheel Loader / Pala Cargadora (Motor Scania), Trator / Tractor 2470, Trator / Tractor 4490, Trator / Tractor W36 | **DAF** 95310, 95330, 95350, 95360, 95380, 95400, 95430 | **Fahr** M1620H | **Fiat** 13.304F, 159, 190 (F20-190-Unic V 85 S), 190 (PAC20), 260, 260 (Unic V 85 S), 26304DFS, 30304DFSA, Caminhão / Truck / Camión 130NC, Caminhão / Truck / Camión 150NC, Caminhão / Truck / Camión 190, Especial / Special (NT20) | **Fiat Allis** Trator de Esteira / Track-Type Tractor / Buldócer AD14 (Motor Scania) | **Fiat Iveco** 130.20, 150.20, 159.20, 170.20, 190.20 | **Ford** Cargo 1317, Cargo 1320, Cargo 1517, Cargo 1520, Cargo 1617, Cargo 1620, Cargo 2220, Cargo 2420, Cargo 2817, Cargo 3020, Cargo 3220 | **KHD** DL1300, F6L413, F8L413, M150E10, M150L10, M170D, M200L, M232D | **Massey Ferguson** Trator / Tractor MF4780 (Motor Scania DN11), Trator / Tractor MF4780 (SSB-DN11) | **Mercedes-Benz** Caminhão / Truck / Camión

MB856, Caminhão / Truck / Camión MB858, Caminhão / Truck / Camión MB866, Caminhão / Truck / Camión MB868 **|** **Pegaso** 1228T, 1231, 1236, 1331, 1431, 2331, 2431K, 3560, 5023, 5024, 5036, 6038, 6420, 6424 **|** **Scania** Caminhão / Truck / Camión 140, Caminhão / Truck / Camión 140 Super, Caminhão / Truck / Camión 141 Super, Caminhão / Truck / Camión 145, Caminhão / Truck / Camión BR145, Caminhão / Truck / Camión CR145L, Caminhão / Truck / Camión CR145T, Caminhão / Truck / Camión CR145X, Caminhão / Truck / Camión DSI14, Caminhão / Truck / Camión L101, Caminhão / Truck / Camión L142, Caminhão / Truck / Camión LK140, Caminhão / Truck / Camión LK141, Caminhão / Truck / Camión LK142, Caminhão / Truck / Camión LKS140, Caminhão / Truck / Camión LKS141, Caminhão / Truck / Camión LKS142, Caminhão / Truck / Camión R142, Caminhão / Truck / Camión R142-410, Caminhão / Truck / Camión T142, Caminhão / Truck / Camión T142-410, Chassi para Ônibus / Bus Chassis / Chasi de Autobús K112, Chassi para Ônibus / Bus Chassis / Chasi de Autobús S112, Ônibus / Bus / Ómnibus BR115 (05/1975→), Ônibus / Bus / Ómnibus BR115S (05/1975→), Ônibus / Bus / Ómnibus BR116 (05/1975→), Ônibus / Bus / Ómnibus BR116S (05/1975→) **|** **Valmet** 110KVA, 115KVA, 125KVA, 150KVA (V1308) **|** **Volvo** Caminhão / Truck / Camión 59, Caminhão / Truck / Camión B10M, Caminhão / Truck / Camión B58, Caminhão / Truck / Camión F10, Caminhão / Truck / Camión F88, Caminhão / Truck / Camión FB88, Caminhão / Truck / Camión G88 (T), Caminhão / Truck / Camión N10, Caminhão / Truck / Camión N12, Caminhão / Truck / Camión NB88TS, Caminhão / Truck / Camión NL10210, Caminhão / Truck / Camión NL10340, Caminhão / Truck / Camión NL12400, Chassi para Ônibus / Bus Chassis / Chasi de Autobús B10M, Chassi para Ônibus / Bus Chassis / Chasi de Autobús B58E

OEM *ORIGINAL*

Bosch 2006382018, 2006382019, 2006382152, 2006382156, 2006382172 **|** **Cargo** 130418 **|** **Efel** 10779 **|** **Fiat** 8122126, 9004229, 9984246 **|** **Iskra** 15100152 **|** **Italacciai** SP208 **|** **Lester** 17094, 18117, 18220, 18222, 18253 **|** **Lucas Indiel** 222421, 223204, TMB156

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0000084013, 0001410019, 0001410032, 0001410034, 0001410037, 0001410044, 0001410046, 0001410050, 0001410062, 0001410063, 0001410069, 0001410074, 0001410077, 0001410087, 0001410098, 0001410102, 0001410106, 0001410111, 0001410115, 0001411005, 0001411010, 0001411012, 0001411013, 0001411015, 0001411016, 0001411036, 0001413018, 0001414008, 0001414019, 0001415008, 0001415009, 0001415011, 0001415013, 0001415017, 0001416003, 0001416005, 0001416006, 0001416007, 0001416008, 0001416009, 0001416011, 0001416012, 0001416030, 0001416031, 0001416032, 0001416033, 0001416034, 0001416035, 0001416036, 0001416039, 0001416048, 0001416049, 0001416050, 0001416053, 0001416058, 0001416062, 0001416067, 0001416068, 0001416069, 0001416070, 0001416071, 0001416075, 0001416076, 0001417002, 0001417016, 0001417022, 0001417023, 0001417024, 0001417033, 0001417035, 0001417042, 0001417043, 0001417044, 0001417045, 0001417047, 0001417048, 0001417054, 0001417055, 0001417056, 0001417060, 0001417066, 0001417068, 0001417071, 0001417072, 0001418010, 9000084010, 9000084011, 9000084012, 9000084013, 9000084014, 9000084017, 9000084018, 9000084019, 9000084021 **|** **Fiat** 61227993 **|** **Italacciai** 1410032 **|** **Pegaso** 6100S

99.0088.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.00**
IG Ø Interno do Dente	**41.60**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Compressor / Compresor AX430 **|** **Case** Pá Carregadeira / Wheel Loader / Pala Cargadora W36 (motor Cummins) **|** **Caterpillar** D300, Raspadeira / Moto Scraper / Raspador 631E, Trator de Esteira / Track-Type Tractor / Buldócer 631E, Trator de Esteira / Track-Type Tractor / Buldócer D8L **|** **Cummins** Motor 250 Super, Motor N, Motor N855, Motor NT, Motor NTA, Motor NTTA855 **|** **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D60A (motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D60E (motor Cummins N855), Trator de Esteira /

Track-Type Tractor / Buldócer D60F (motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D65 (motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D65A (motor Cummins N855) | **Mafersa** Trator / Tractor M Série M240 (motor Cummins 6CTA 8.3, 09/1991→)

OEM *ORIGINAL*

Bosch 2006382168 | **Lucas Indiel** 223181

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001411007, 9000084008, 9000084020, 9000084022, 9000084023

99.0089.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora W36B (Turbo) | **Caterpillar** Motoniveladora / Motor Grader / Motoniveladora 120B, Motoniveladora / Motor Grader / Motoniveladora 140B (3306), Motores Geradores / Engine-Generators / Motores Generadores 3304T, Motores Geradores / Engine-Generators / Motores Generadores 3306T, Pá Carregadeira / Wheel Loader / Pala Cargadora 930, Pá Carregadeira / Wheel Loader / Pala Cargadora 966, Trator de Esteira / Track-Type Tractor / Buldócer D4E, Trator de Esteira / Track-Type Tractor / Buldócer D6D | **Cummins** Chassi para Ônibus / Bus Chassis / Chasi de Autobús RC210, Chassi para Ônibus / Bus Chassis / Chasi de Autobús UC210, Motor 6C (8.3 lts), Motor 6CT (8.3 lts), Motor 6CTA (8.3 lts) | **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D60E (Motor Cummins N855C, 1993→), Trator de Esteira / Track-Type Tractor / Buldócer D60F (Motor Cummins N855C, 1993→), Trator de Esteira / Track-Type Tractor / Buldócer D65E (Motor Cummins N855C, 1993→), Trator de Esteira / Track-Type Tractor / Buldócer D73E (Motor Cummins N855C, 1993→), Trator / Tractor WA180 (Cummins 6BT 5.9, 02/1997→) | **Mafersa** Trator / Tractor M Serie 210 (Cummins 6CTA 8.3, 09/1991→) | **Volkswagen** Caminhão / Truck / Camión VW14.170, Caminhão / Truck / Camión VW14.210, Caminhão / Truck / Camión VW16.170, Caminhão / Truck / Camión VW16.210 | **Volvo** FH12 (1993), FH12 (1995), FL7 (1991), FM12 (1998), FS7 (1994~1996)

OEM *ORIGINAL*

Bosch 2006382190, 9001084064 | **Cargo** 135860 | **Delco Remy** 19024313 | **Lucas Indiel** 222422 | **Stemot** 07001 | **Visnova** 234280

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001416061, 0001417065, 0001417075, 9000084007, 9000084009, 9000084024, 9000084026

99.0092.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**86.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Caminhão / Truck / Camión 130, Caminhão / Truck / Camión 160, Caminhão / Truck / Camión 70, Ônibus / Bus / Ómnibus 100, Ônibus / Bus / Ómnibus 130, Ônibus / Bus / Ómnibus 70 | **Fiat Allis** Trator de Esteira / Track-Type Tractor / Buldócer ADB (←1978)

OEM *ORIGINAL*

Bosch 9001083439

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083024, 9000083025

99.0093.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora (Motor Detroit D478) | **General Motors/Chevrolet** Caminhão / Truck / Camión (D478, 1969~1972)

OEM *ORIGINAL*

Autolite-Prestolite EBB168 | **Cargo** 130538 | **Chrysler** 2525287 | **Delco Remy** 10498623, 1852716, 1876857, 1877355, 1933471, 1941119, 1941157, 1942950, 1950058, 1964127, 1966931, 1968355, 1971707, 1975046, 4019393, D2024, D2025, D2042 | **Ford** C6TZ11350A | **Lester** 3353, 3362, 3363, 3365, 3367, 3511, 3512, 3708, 3720, 3726, 3774, 3898, 3942, 3972, 3977, 3986, 3991, 4191, 4192, 4241, 4252, 4265, 4266, 4267, 4272, 4274, 4275, 4276, 4281, 4284, 4338, 4385, 4389, 4392, 4398, 4399, 4525, 4537, 4573, 4828, 4894, 4898, 4906, 4941, 4946, 4949, 4953, 4971, 4972, 4973, 4998, 6179, 6543, 6730 | **Lucas Indiel** 223185

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107214, 1107234, 1107249, 1107268, 1107290, 1107291, 1107382, 1107503, 1107511, 1107512, 1107515, 1107533, 1107539, 1107540, 1107557, 1107561, 1107575, 1107580, 1107582, 1107591, 1107592,

1107593, 1107696, 1107857, 1107859, 1107867, 1107872, 1108240, 1108280, 1108322, 1108379, 1108396, 1108397, 1108415, 1108431, 1108443, 1108447, 1108449, 1108476, 1108493, 1108632, 1108634, 1108644, 1108648, 1108649, 1108667, 1108696, 1109023, 1109194 **| Ford** C5TF11000B, C6TF11000B, C6TZ11001A, C6TZ11002C, C7TF11000A

99.0096.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bonser RT2500, RT2500K, RT3500K **| Ford** 4000, 4600, 5000, 5600, 7000, D750 **| Fordson** Trator / Tractor **| Lancer** H Series (MD III A), HD Series (MD III A) **| New Holland** 1520, M122, M133, M135, M140 **| Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor

OEM *ORIGINAL*

Cargo 130445 **| Italacciai** SD401 **| Lester** 16608, 17646, 17647 **| Lucas** 54243783, 54246738, 54246896, 54247187, TMB115 **| Lucas Indiel** 223187

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai 26211U **| Lucas Indiel** 26211MTM50, 26211U, 26227R/V, 26265J/M, 26291E, 26305D/N, 26312B, 26312BM50, 26316A/M, 26329A/L, 26338A/F, 26339A/K, 26341A/J, 26352A/L, 26379A/F, 26395A/H, 26430A/D, 26431A/B, 26431AM50

99.0097.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.95/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor 180 **| Caterpillar** 112F, 1140 (V8), 1145 (V8), 1150 (V8), 1160 (V8), 120, 120G, 12F, 130G, 140, 140G, 14E, 14G, 1670, 1673, 1674, 1676, 215, 215B, 215C, 219, 235B, 235C, 245D, 3208, 3304, 3306, 508, 518, 528, 615, 615C, 621, 627, 627B, 627E, 637D, 637E, 814, 814B, 815, 816B, 825C, 910, 916, 920, 926, 926E, 930, 936, 936E, 941, 950, 950B, 950E, 951C, 955K, 955L, 963, 963B, 966C, 966D, 973, 977K, 980, 980B, AH40, AH46, AH52, AH60, AM36, AM40, D4D, D4E, D4H, D5, D5H, D6C, D6D, D7F, FB227, Máquinas / Machines / Maquinarias (Motor D330C), Máquinas / Machines / Maquinarias (Motor D333C), Máquinas / Machines / Maquinarias (Motor D334C), Máquinas / Machines / Maquinarias (Motor D336C), Máquinas / Machines / Maquinarias (Motor D344C), Trator / Tractor Challenger 65, Trator / Tractor Challenger 70, V160, V160B, V180, V180B, V200, V225, V250, V250B, V300, V300B,

V330B | **Clark** 101, 125, 125A, 125B, 125III, 175III, 275, 301, 45C, 55B, 55C, 55IIIA, 7200S, 75B, 75C, 85CIIIA, 85III | **Cummins** Series 855 (V 8.3L), Series 855 (V 9.1L), Series L10 (V 8.3L), Series L10 (V 9.1L), Series L14 (V 8.3L), Series L14 (V 9.1L) | **Fiat Allis** FW160, FW170, FW200 | **Hyster** M600 (Cummins) | **Massey Ferguson** Colheitadeira / Combine / Cosechadora MF34 (Dynapac-Motor Cummins 6CT), Colheitadeira / Combine / Cosechadora MF34 (Dynapac-Motor Cummins 6CTA), Colheitadeira / Combine / Cosechadora MF34 (Dynapac-Motor Cummins 6CTAA 8.3L), Colheitadeira / Combine / Cosechadora MF38 (Dynapac-Motor Cummins 6CT), Colheitadeira / Combine / Cosechadora MF38 (Dynapac-Motor Cummins 6CTA), Colheitadeira / Combine / Cosechadora MF38 (Dynapac-Motor Cummins 6CTAA 8.3L)

OEM *ORIGINAL*

ACE 4489 | **Allis-Chalmers** 13198312, 1332952, 250540 | **Butec** 851073, 852762, 852961 | **Cargo** 131056 | **Case** A20896, A42397, A47073, A47523 | **Caterpillar** 2P4708, 6N3827, 8S8036 | **Clark** 906264, 907007 | **Delco Remy** 1114087, 1893560, 1894213, 1936647, 1946945, 1946957, 1948606, 1957846, 1965514, 1970711, 1977005, 800068, 851073, 852961 | **Facet** 480118, 480411 | **Ford** C8TZ11350B, C8TZ11350D, C9WF11350C, D4HF11350AA, EIHZ11350B, SD183, SD6318, SDX234 | **General Motors/Chevrolet** S11020 | **IHC** 474553C1 | **Leece-Neville** 04489, 77601, MO2904289, MO29077601 | **Lester** 3288, 3339, 3352, 3370, 3374, 3790, 3948, 3955, 3971, 3987, 3990, 3999, 4997, 6191, 6197, 6202, 6224, 6225, 6227, 6232, 6233, 6238, 6242, 6246, 6249, 6250, 6251, 6252, 6253, 6254, 6259, 6349, 6355, 6360, 6361, 6363, 6371, 6372, 6373, 6374, 6516, 6530, 6544, 6557, 6558, 6559, 6566, 6567, 6568, 6618, 6636, 6638, 6639, 6682, 6683, 6686, 6687, 6688 | **Lucas Indiel** 223111 | **Massey Ferguson** 1038143M91, 1055739M91, 1055742M91, 1428749M91 | **Volkswagen** 480411 | **WAI** 541242 | **White** 167205A, 303370909

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479009, 10479178, 10479260, 1109624, 1109628, 1109637, 1109638, 1109998, 1113353, 1113366, 1113371, 1113378, 1113386, 1113393, 1113407, 1113472, 1113477, 1113628, 1113631, 1113670, 1113827, 1113848, 1113853, 1113891, 1113904, 1113928, 1113934, 1113943, 1990366, 1990379, 1990413, 1993795, 1993796 | **Ford** C8ZF11000C, D3OZ11002A, D3TF11000CA, D3TF11001CA, D4TZ11002E

99.0101.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**89.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Compressor / Compresor (8 cil / cyl) | **Atlas Copco** Trator / Tractor (8 cil / cyl) | **Deutz** Motor (Estacionário / Stationary / Estacionario 8 cil / cyl)

OEM *ORIGINAL*

Bosch 2006209109, 2006209120, 2006209302 | **Italacciai** SD349 | **Lucas Indiel** 223188

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001358051, 0001359001, 0001359003, 0001359006, 0001359007, 0001359010, 0001359019, 0001359024, 0001359040, 0001359050, 0001360002, 0001360003, 0001360009, 0001360016

99.0102.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Caminhão / Truck / Camión Dodge (Perkins 4 cil / cyl) | **John Deere** Trator / Tractor (Perkins 3 cil / cyl), Trator / Tractor 6600, Trator / Tractor 7500

OEM *ORIGINAL*

Bosch 1987BE0003 | **Lucas Indiel** 227814, 32557814, 35255870, 35256861, 35257814

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35256034, 35256425, 35256433, 35256519, 35256520, 35256637, 35256900, 35257188, 35257720, 35258930

99.0104.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**72.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Caminhão / Truck / Camión F100 (4 cil / cyl), F75 (4cil / cyl) | **Willys** Jeep, Pick-up, Rural (4 cil / cyl)

OEM *ORIGINAL*

Bosch 9001451291 | **Lucas** TWB235 | **Wapsa** 224035

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MWB14

99.0105.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 1600D, Caminhão / Truck / Camión 1800D, Caminhão / Truck / Camión TX1600D **|** **Carraro** Tigrone 625 **|** **Case** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CP, Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CR, Pá Carregadeira / Wheel Loader / Pala Cargadora W18, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 (MBB OM 352), Pá Carregadeira / Wheel Loader / Pala Cargadora W20B (MBB OM 352A) **|** **CBT** Trator / Tractor 1065 (MBB OM 314), Trator / Tractor 1105 (MBB OM 352), Trator / Tractor 2080 (MBB OM 314), Trator / Tractor 2105 (MBB OM 352), Trator / Tractor 2600 (10/1976→), Trator / Tractor 8060 (4X4 MBB OM 352), Trator / Tractor 8440 (1.6, 10/1976→), Trator / Tractor Oliver 1020 (10/1976→), Trator / Tractor Oliver 1065 (10/1976→), Trator / Tractor Oliver 950 (10/1976→) **|** **Chrysler** Caminhão / Truck / Camión Dodge D950 (Motor MWM), Caminhão / Truck / Camión Dodge P700 (Motor MWM), Caminhão / Truck / Camión Dodge P900 (Motor MWM) **|** **Clark** Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 45C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 65R, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III **|** **Deutz** Trator / Tractor 100S (01/1981→), Trator / Tractor 120S (01/1981→), Trator / Tractor 4.190 (01/1981→), Trator / Tractor 80S (01/1981→), Trator / Tractor AX 4.100 (01/1981→) **|** **Fiat Allis** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica FE105, Motoniveladora / Motor Grader / Motoniveladora FG70, Motoniveladora / Motor Grader / Motoniveladora FG85 **|** **Ford** Cargo 1215, Cargo 1216, Cargo 1217, Cargo 1415, Cargo 1416, Cargo 1417, Cargo 1421, Cargo 1617, Cargo 1621, Cargo 814, Cargo 815, F4000 **|** **John Deere** Trator / Tractor 7000 (Motor MMB), Trator / Tractor 7200 (Turbo, motor MMB), Trator / Tractor 7700 (Motor MMB), Trator / Tractor 7700 (Turbo, Motor MMB) **|** **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352A) **|** **Massey Ferguson** MF33B, W450B, W450C **|** **Mercedes-Benz** Caminhão / Truck / Camión 1113, Caminhão / Truck / Camión 1214, Caminhão / Truck / Camión 1218, Caminhão / Truck / Camión 1313, Caminhão / Truck / Camión 1316, Caminhão / Truck / Camión 1414, Caminhão / Truck / Camión 1418, Caminhão / Truck / Camión 1513, Caminhão / Truck / Camión 1516, Caminhão / Truck / Camión 1614, Caminhão / Truck / Camión 1618, Caminhão / Truck / Camión 1621, Caminhão / Truck / Camión 1720, Caminhão / Truck / Camión 2013, Caminhão / Truck / Camión 2016, Caminhão / Truck / Camión 2213, Caminhão / Truck / Camión 2215, Caminhão / Truck / Camión 2216, Caminhão / Truck / Camión L1319, Caminhão / Truck / Camión L608D, Caminhão / Truck / Camión L610 (OM 352), Caminhão / Truck / Camión L709D, Caminhão / Truck / Camión LP1219, Caminhão / Truck / Camión LP1419, Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O371U (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O371U (Motor M366G), Ônibus / Bus / Ómnibus 1113, Ônibus / Bus / Ómnibus 1214, Ônibus / Bus / Ómnibus 1218, Ônibus / Bus / Ómnibus 1313, Ônibus / Bus / Ómnibus 1316, Ônibus / Bus / Ómnibus 1414, Ônibus / Bus / Ómnibus 1418, Ônibus / Bus / Ómnibus 1513, Ônibus / Bus / Ómnibus 1516, Ônibus / Bus / Ómnibus 1614, Ônibus / Bus / Ómnibus 1618, Ônibus / Bus / Ómnibus 1621, Ônibus / Bus / Ómnibus 1720, Ônibus / Bus / Ómnibus 2013, Ônibus / Bus / Ómnibus 2016, Ônibus / Bus / Ómnibus 2213, Ônibus / Bus / Ómnibus 2215, Ônibus / Bus / Ómnibus 2216, Ônibus / Bus / Ómnibus L1319, Ônibus / Bus / Ómnibus L608D, Ônibus / Bus / Ómnibus L610 (OM 352),

Ônibus / Bus / Ómnibus L709D, Ônibus / Bus / Ómnibus LP1219, Ônibus / Bus / Ómnibus LP1419 **|** **Müeller** Trator / Tractor RT62H (MWM 229.3, 01/1995→), Trator / Tractor RT82H (MWM 229.3, 01/1995→), Trator / Tractor VAP55 (MWM 229.3, 01/1995→) **|** **MWM** Motor D2256 (08/1977→), Motor D2294 (08/1977→), Motor D2296 (08/1977→), Motor TD2296 (08/1977→) **|** **New Holland** Colheitadeira / Combine / Cosechadora FNH 8040 (MBB OM 352), Colheitadeira / Combine / Cosechadora FNH 8055 (MBB OM 352A) **|** **Poclain** FC30, LC80, LY80, MCL84 **|** **Puma** Caminhão / Truck / Camión 900 (Serie 914, Motor MWM 229.4, 09/1995→) **|** **Steyr Puch** 1000, 1100, 1200, 586, 590, 690, 980A **|** **Toyota** Bandeirante (MBB OM 314, 10/1976→) **|** **Valmet** Trator / Tractor 110ID (08/1977→), Trator / Tractor 118 (08/1977→), Trator / Tractor 128 (08/1977→), Trator / Tractor 138 (08/1977→), Trator / Tractor 138-4 (Turbo, 08/1977→), Trator / Tractor 148 (18/1977→), Trator / Tractor 78 (08/1977→), Trator / Tractor 85ID (08/1977→), Trator / Tractor 88 (08/1977→), Trator / Tractor 880 (08/1977→), Trator / Tractor 980 (08/1977→) **|** **Volkswagen** Caminhão / Truck / Camión 11.130, Caminhão / Truck / Camión 13.130, Caminhão / Truck / Camión 6.90, Caminhão / Truck / Camión 7.110S, Caminhão / Truck / Camión 7.90S, Chassi / Chassis / Chasi 7.90CE, Chassi / Chassis / Chasi 7.90CO, Chassi / Chassis / Chasi 7.90S **|** **Yanmar** Motor Estacionário / Stationary Motor / Motor Estacionario BT22, Motor Estacionário / Stationary Motor / Motor Estacionario BT33, Motor Estacionário / Stationary Motor / Motor Estacionario BTD22, Motor Estacionário / Stationary Motor / Motor Estacionario BTD33, Trator / Tractor 1050D, Trator / Tractor 1050D (4x4)

OEM *ORIGINAL*

Bosch 2006209421, 2006209436, 2006209446, 9001083406, 9001083436, 9002453073 **|** **Fiat** 79028900, 79028909, 8122129, 9008243, 9926112, 9957919 **|** **Italacciai** SD124 **|** **Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18029, 18030, 18032, 18033, 18111, 18229, 18237 **|** **Lucas Indiel** 222407, TNB407 **|** **Mercedes-Benz** 0001517013 **|** **Volkswagen** 04053926

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354084, 0001359031, 0001359055, 0001359057, 0001359062, 0001359071, 0001359072, 0001359073, 0001359074, 0001359083, 0001359084, 0001359087, 0001359089, 0001359091, 0001359097, 0001359100, 0001359101, 0001359111, 0001359113, 0001359118, 0001359119, 0001360004, 0001360025, 0001360027, 0001360030, 0001360031, 0001360032, 0001360034, 0001360035, 0001360036, 0001360037, 0001360038, 0001360039, 0001360040, 0001360046, 0001360047, 0001360049, 0001360056, 0001360057, 0001360059, 0001360061, 0001360065, 0001364108, 0001365007, 0001365008, 9000083027, 9000083028, 9000083031, 9000083036, 9000083045, 9000083046, 9000083050, 9000083052, 9000083053, 9000083054, 9000083056, 9000083060, 9000083061, 9000083063, 9000083064, 9000083065, 9000083066, 9000083067, 9000083068, 9000083074, 9000453074, 9000453082, 9000453083

99.0105.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.20**

Igual ao BZM 99.1364.0/Same as 99.1364.0 BZM/Igual que BZM 99.1364.0
Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0105.0/Same as 99.0105.0 BZM/Igual que BZM 99.0105.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 1600D, Caminhão / Truck / Camión 1800D, Caminhão / Truck / Camión TX1600D **|** **Carraro** Tigrone 625 **|** **Case** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CP, Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CR, Pá Carregadeira / Wheel Loader / Pala Cargadora W18, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 (MBB OM 352), Pá Carregadeira / Wheel Loader / Pala Cargadora W20B (MBB OM 352A) **|** **CBT** Trator / Tractor 1065 (MBB OM 314), Trator / Tractor 1105 (MBB OM 352), Trator / Tractor 2080 (MBB OM 314), Trator / Tractor 2105 (MBB OM 352), Trator / Tractor 2600 (10/1976→), Trator / Tractor 8060 (4X4 MBB OM 352), Trator / Tractor 8440 (1.6, 10/1976→), Trator / Tractor Oliver 1020 (10/1976→), Trator /

Tractor Oliver 1065 (10/1976→), Trator / Tractor Oliver 950 (10/1976→) | **Chrysler** Caminhão / Truck / Camión Dodge D950 (Motor MWM), Caminhão / Truck / Camión Dodge P700 (Motor MWM), Caminhão / Truck / Camión Dodge P900 (Motor MWM) | **Clark** Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 45C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 65R, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III | **Deutz** Trator / Tractor 100S (01/1981→), Trator / Tractor 120S (01/1981→), Trator / Tractor 4.190 (01/1981→), Trator / Tractor 80S (01/1981→), Trator / Tractor AX 4.100 (01/1981→) | **Fiat Allis** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica FE105, Motoniveladora / Motor Grader / Motoniveladora FG70, Motoniveladora / Motor Grader / Motoniveladora FG85 | **Ford** Cargo 1215, Cargo 1216, Cargo 1217, Cargo 1415, Cargo 1416, Cargo 1417, Cargo 1421, Cargo 1617, Cargo 1621, Cargo 814, Cargo 815, F4000 | **John Deere** Trator / Tractor 7000 (Motor MMB), Trator / Tractor 7200 (Turbo, motor MMB), Trator / Tractor 7700 (Motor MMB), Trator / Tractor 7700 (Turbo, Motor MMB) | **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352A) | **Massey Ferguson** MF33B, W450B, W450C | **Mercedes-Benz** Caminhão / Truck / Camión 1113, Caminhão / Truck / Camión 1214, Caminhão / Truck / Camión 1218, Caminhão / Truck / Camión 1313, Caminhão / Truck / Camión 1316, Caminhão / Truck / Camión 1414, Caminhão / Truck / Camión 1418, Caminhão / Truck / Camión 1513, Caminhão / Truck / Camión 1516, Caminhão / Truck / Camión 1614, Caminhão / Truck / Camión 1618, Caminhão / Truck / Camión 1621, Caminhão / Truck / Camión 1720, Caminhão / Truck / Camión 2013, Caminhão / Truck / Camión 2016, Caminhão / Truck / Camión 2213, Caminhão / Truck / Camión 2215, Caminhão / Truck / Camión 2216, Caminhão / Truck / Camión L1319, Caminhão / Truck / Camión L608D, Caminhão / Truck / Camión L610 (OM 352), Caminhão / Truck / Camión L709D, Caminhão / Truck / Camión LP1219, Caminhão / Truck / Camión LP1419, Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O371U (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O371U (Motor M366G), Ônibus / Bus / Ómnibus 1113, Ônibus / Bus / Ómnibus 1214, Ônibus / Bus / Ómnibus 1218, Ônibus / Bus / Ómnibus 1313, Ônibus / Bus / Ómnibus 1316, Ônibus / Bus / Ómnibus 1414, Ônibus / Bus / Ómnibus 1418, Ônibus / Bus / Ómnibus 1513, Ônibus / Bus / Ómnibus 1516, Ônibus / Bus / Ómnibus 1614, Ônibus / Bus / Ómnibus 1618, Ônibus / Bus / Ómnibus 1621, Ônibus / Bus / Ómnibus 1720, Ônibus / Bus / Ómnibus 2013, Ônibus / Bus / Ómnibus 2016, Ônibus / Bus / Ómnibus 2213, Ônibus / Bus / Ómnibus 2215, Ônibus / Bus / Ómnibus 2216, Ônibus / Bus / Ómnibus L1319, Ônibus / Bus / Ómnibus L608D, Ônibus / Bus / Ómnibus L610 (OM 352), Ônibus / Bus / Ómnibus L709D, Ônibus / Bus / Ómnibus LP1219, Ônibus / Bus / Ómnibus LP1419 | **Müeller** Trator / Tractor RT62H (MWM 229.3, 01/1995→), Trator / Tractor RT82H (MWM 229.3, 01/1995→), Trator / Tractor VAP55 (MWM 229.3, 01/1995→) | **MWM** Motor D2256 (08/1977→), Motor D2294 (08/1977→), Motor D2296 (08/1977→), Motor TD2296 (08/1977→) | **New Holland** Colheitadeira / Combine / Cosechadora FNH 8040 (MBB OM 352), Colheitadeira / Combine / Cosechadora FNH 8055 (MBB OM 352A) | **Poclain** FC30, LC80, LY80, MCL84 | **Puma** Caminhão / Truck / Camión 900 (Serie 914, Motor MWM 229.4, 09/1995→) | **Steyr Puch** 1000, 1100, 1200, 586, 590, 690, 980A | **Toyota** Bandeirante (MBB OM 314, 10/1976→) | **Valmet** Trator / Tractor 110ID (08/1977→), Trator / Tractor 118 (08/1977→), Trator / Tractor 128 (08/1977→), Trator / Tractor 138 (08/1977→), Trator / Tractor 138-4 (Turbo, 08/1977→), Trator / Tractor 148 (18/1977→), Trator / Tractor 78 (08/1977→), Trator / Tractor 85ID (08/1977→), Trator / Tractor 88 (08/1977→), Trator / Tractor 880 (08/1977→), Trator / Tractor 980 (08/1977→) | **Volkswagen** Caminhão / Truck / Camión 11.130, Caminhão / Truck / Camión 13.130, Caminhão / Truck / Camión 6.90, Caminhão / Truck / Camión 7.110S, Caminhão / Truck / Camión 7.90S, Chassi / Chassis / Chasi 7.90CE, Chassi / Chassis / Chasi 7.90CO, Chassi / Chassis / Chasi 7.90S | **Yanmar** Motor Estacionário / Stationary Motor / Motor Estacionario BT22, Motor Estacionário / Stationary Motor / Motor Estacionario BT33, Motor Estacionário / Stationary Motor / Motor Estacionario BTD22, Motor Estacionário / Stationary Motor / Motor Estacionario BTD33, Trator / Tractor 1050D, Trator / Tractor 1050D (4x4)

OEM *ORIGINAL*

Bosch 2006209421, 2006209436, 2006209446, 9001083406, 9001083436, 9002453073 | **Fiat** 79028900, 79028909, 8122129, 9008243, 9926112, 9957919 | **Italacciai** SD124 | **Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18029, 18030, 18032, 18033, 18111, 18229, 18237 | **Lucas Indiel** 222407, TNB407 | **Mercedes-Benz** 0001517013 | **Volkswagen** 04053926

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354084, 0001359031, 0001359055, 0001359057, 0001359062, 0001359071, 0001359072, 0001359073, 0001359074, 0001359083, 0001359084, 0001359087, 0001359089, 0001359091, 0001359097, 0001359100, 0001359101, 0001359111, 0001359113, 0001359118, 0001359119, 0001360004, 0001360025, 0001360027, 0001360030, 0001360031, 0001360032, 0001360034, 0001360035, 0001360036, 0001360037, 0001360038, 0001360039, 0001360040, 0001360046, 0001360047, 0001360049, 0001360056, 0001360057, 0001360059, 0001360061, 0001360065, 0001364108, 0001365007, 0001365008, 9000083027, 9000083028, 9000083031, 9000083036, 9000083045, 9000083046, 9000083050, 9000083052, 9000083053, 9000083054, 9000083056, 9000083060, 9000083061, 9000083063, 9000083064, 9000083065, 9000083066, 9000083067, 9000083068, 9000083074, 9000453074, 9000453082, 9000453083

99.0105.5





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**93.20**

99.0108.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Alfa 6 (2.0), Alfa 6 (2.5), Alfa 75 (1.6), Alfa 75 (1.8), Alfa 75 (1.8 Turbo), Alfa 75 (2.5), Alfa 90 (1.8), Alfa 90 (2.0), Alfa 90 (2.5), Alfasud (1.2 Super TI), Alfetta (1.6), Alfetta (1.8), Alfetta (2.0), Arna (1.2), Arna (1.3), F2, Giulietta (1.3), Giulietta (1.8), Giulietta (2.0), GTV 2000 (2.0), GTV 2000 (2.5) | **Audi** 100 (1.8), 100 (1.9), 100 (2.0), 200 (Turbo), 80, 80L, Quattro | **BMW** 320, 323i, 520, 523i, 528 | **Citroën** BX14, C22, C25, LNA II, Visa, Visa II | **Fiat** Ducato, Ritmo 75, Ritmo Super 85 (1.5), Strada (Custom 1982 L4 1.5 Gasolina / Gasoline), X 1 / 9 Five Speed | **Ford** Belina II (Motor CHT 1.6), Capri II (2.3), Capri II (2.8), Consul (2.3), Corcel, Corcel II (1.6), Del Rey, Del Rey (1.6), Escort (1.3), Escort (1.6 CHT), Escort Hobby (1.6), FT100, FT125, FT130, FT150, FT175, FT190, FT60, FT75, FT900, Galaxy, Granada, Granada (1.7), Granada (2.0), Granada (2.3), Granada (2.6), Granada (2.8), Pampa (1.6), Royale (EFI, Transmissão automática / Automatic transmission / Transmisión automática), Scala (1.6 CHT), Sierra (1.6), Sierra (2.0), Sierra (2.3), Taunus (2.0), Taunus (2.3), Verona (LX 1.6), Versailles (1.8), Versailles (2.0), Versailles (2.0i) | **General Motors/Chevrolet** Chevette, Chevette (1.4), Chevette (1.6), Chevette Junior (Álcool / Alcohol), Chevette Junior (Gasolina / Gasoline), Chevy 500, Ipanema (1.8), Kadett (1.8), Marajó (1.4), Marajó (1.6), Monza | **Gurgel** Carajás (Motor VW AP 1.8, 02/1988→) | **Lancia** Delta (1.5), Gamma (2.0), Gamma (2.5), Prisma (1.5) | **Mercedes-Benz** 200, 208, 220, 230, 250, 280, 308, 350, 380, 450, 500, L208, L308 | **Opel** Admiral (2.8), Ascona B, Ascona C, Blitz (CF), Comodore B, Corsa (1.0), Corsa (1.2), Corsa (1.3), Diplomat B, Kadett C, Kadett D, Manta B, Monza, Rekord, Rekord (D), Senator | **Peugeot** 104, 504, 504 (1.6), 504 (1.8), 504 (2.0 V6), 504 (V6), 505 (1.8), 505 (2.0), 505 (S V6 2.8 Gasolina / Gasoline, 1989), 505 (STX V6 2.8 Gasolina / Gasoline, 1989), 604 (V6), J5 | **Porsche** 924 | **Renault** Fuego, Master (2.0), P1000, P2000, R14 (GTL), R14 (GTS), R18, R18 (Turbo), R20, R30, Trafic, Trafic (1.4), Trafic (1.6), Trafic (2.0) | **Saab** 900 (Turbo) | **Seat** Ibiza, Malaga, Ronda | **Talbot** Samba, Solara | **Volkswagen** Gol (1.0i), Gol

(1.6), Gol (1.8i), LT 28, LT 31, LT 35, LT 40, LT 45, Parati (GLS), Passat Pointer (GTS 1.8 5 cil / cyl, Álcool / Alcohol), Quantum (1.8), Quantum (2.0), Santana (1.8), Santana (2.0), Saveiro (1.8 Álcool / Alcohol), Saveiro (1.8 Gasolina / Gasoline), Voyage (GLS 1.8 Álcool / Alcohol), Voyage (GLS 1.8 Gasolina / Gasoline) | **Volvo** 140, 142, 144, 160, 164, 240, 260, 340, 360, 760 | **Yanmar** Micro Trator / Micro Tractor 1030, Micro Trator / Micro Tractor TC11, Micro Trator / Micro Tractor TC11 Super (NS 11)

OEM *ORIGINAL*

Alfa Romeo 105120503003, 105120503008, 116080503000, 116080503014, 116460503000, 116460503002, 701089 | **BMW** 12411268370 | **Bosch** 1006209404, 1006209410, 1006209414, 1006209416, 1006209427, 1006209447, 1006209462, 1006209463, 1006209471, 9001066236, 9001082340, 9001082618, 9001082660, 9001082686, 9001082748, 9001336324, F000AL1002 | **Cargo** 130396 | **Chrysler** 5206603, CH1929 | **Citroën** 583547 | **Delco Remy** C2003 | **Fiat** 82327386, 9936602, 9937705 | **Ford** 76EB11350AA, 77AB11350BA, 77EB11350AA, 77EB11350BA, 78MU11350A, 79VB11350AA, D6RY11350B, D6RY11350C | **General Motors/Chevrolet** 09307667 | **Italacciai** SD305, SD436, SDE306 | **Lancia** 82327386 | **Lester** 16299, 16353, 16367, 16401, 16412, 16417, 16418, 16443, 16462, 16531, 16534, 16538, 16539, 16550, 16557, 16593, 16619, 16621, 16683, 16684, 16689, 16722, 16781, 17031, 17061, 17122 | **Lucas Indiel** 221480, TMB448, TMB480 | **Mercedes-Benz** 0001517113 | **Opel** 1203176, 1203179, 90094041 | **Renault** 7701024177, 7702124054 | **Saab** 8332934 | **Volkswagen** 059911335B, 78MU11350A, ZBC911335 | **Volvo** 1266673, 243909 | **WAI** 549129

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001157024, 0001157025, 0001157028, 0001157029, 0001157030, 0001208200, 0001208201, 0001208202, 0001208206, 0001208208, 0001208209, 0001208211, 0001208216, 0001208217, 0001208224, 0001208225, 0001208226, 0001208227, 0001208228, 0001208229, 0001208233, 0001208400, 0001208405, 0001211207, 0001211215, 0001211229, 0001211242, 0001311101, 0001311103, 0001311104, 0001311105, 0001311106, 0001311107, 0001311108, 0001311109, 0001311110, 0001311112, 0001311114, 0001311117, 0001311118, 0001311120, 0001311121, 0001311122, 0001311124, 0001311125, 0001311126, 0001311127, 0001311131, 0001311132, 0001311136, 0001311137, 0001311139, 0001311140, 0001311141, 0001311143, 0001311145, 0001311147, 0001314018, 9000062014, 9000082024, 9000082025, 9000082033, 9000082035, 9000082036, 9000082041, 9000082042, 9000082043, 9000082048, 9000082050, 9000082051, 9000082054, 9000082055, 9000082058, 9000082059, 9000082063, 9000082064, 9000082065, 9000082067, 9000082069, 9000082071, 9000082074, 9000082075, 9000082076, 9000082078, 9000141116, 9000142001, 9000142002, 9000142003, 9000142102, 9000333105, 9000334102

99.0110.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**15.95/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 1670 (Motor Cummins), 1673 (Motor Cummins), 16G, 245 (Motor Cummins), 3406, 3408, 3412, 3508 (Motor Cummins), 3512 (Motor Cummins), 3516 (Motor Cummins), 621B (Motor Cummins), 621E (Motor Cummins), 623B (Motor Cummins), 776 (Motor Cummins), 776B (Motor Cummins), 824C (Motor Cummins), 826C (Motor Cummins), 980C (Motor Cummins), 983B (Motor Cummins), D320, D8N (Motor Cummins), IT14B (Motor Cummins), Máquinas equipadas / Equipped machinery (Motor D311), Máquinas equipadas / Equipped machinery (Motor D320), Máquinas equipadas / Equipped machinery (Motor D330), Máquinas equipadas / Equipped machinery (Motor D333), Máquinas equipadas / Equipped machinery (Motor D342), Máquinas equipadas / Equipped machinery (Motor D343), Pá Carregadeira / Wheel Loader / Pala Cargadora 120M, Pá Carregadeira / Wheel Loader / Pala Cargadora 180M, Pá Carregadeira / Wheel Loader / Pala Cargadora 966 | **Clark** 110, 110 III, 110 III H, 180 III, 210 I, 210 III, 280, 280 III A, 400, 450, 501, 550, 650, 75 III, 75 IV, 85 A, C500 | **Cummins** Motor Cummins (42MT 12v), Motor Cummins (42MT

14v), Serie 855 (10.0L), Serie 855 (V 9.1L), Serie L (10.0L), Serie L (14.0L), Serie L10 (V 9.1L), Serie L14 (V 9.1L), Serie V (9.1L) | **Hyster** H150, H150E, H165, H165E, H180, H180E, H200, H200E, H200ES, H225, H225E, H250A, H250E, H300, H360A, H360AD, H400A, H400AD, H700, H800A, M500, M600, P125A, P150A, P165A, P180A | **International** Caminhões / Trucks / Camiones Paystar (Serie 9000, Motor Cummins M11) | **John Deere** Especial / Special (42MT) | **Massey Ferguson** Especial / Special | **Terex** 81SH, 82SH, 83SH, 84SH, S11E, TS14, TS14B, TTS14

OEM *ORIGINAL*

Butec 851075, 852763, 852962 | **Caterpillar** 6N3826 | **Chrysler** 15056, 15113 | **Delco Remy** 1109625, 1894211, 1935487, 1945487, 1952083, 1953373, 1955777, 1960370, 1967779, 8000066, 830620 | **Facet** 480117, 480321 | **Ford** C2DZ11350A, C3DE11350A, C3TZ11350A, C8DF11350A, C9HE11350A, D4HF11350BA, EAB11350A | **Lester** 3041, 3042, 3043, 3045, 3047, 3074, 3296, 3298, 3299, 3342, 3712, 3744, 3745, 3757, 3766, 3770, 3785, 3902, 3905, 3941, 3958, 3963, 3974, 3997, 4600, 4899, 4927, 4930, 4937, 4987, 6203, 6208, 6229, 6230, 6231, 6243, 6245, 6352, 6356, 6370, 6378, 6509, 6511, 6513, 6538, 6548, 6549, 6551, 6552, 6553, 6554, 6555, 6556, 6564, 6565, 6569, 6619, 6624, 6625, 6637, 6671, 6672, 6684, 6760, 6762, 6781 | **Lucas Indiel** 223190

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Caterpillar 7M8651 | **Chrysler** 15056, 15113 | **Delco Remy** 10478802, 10478813, 10478824, 10478827, 10478829, 10478894, 10478911, 10478986, 10478998, 10479010, 10479339, 10479343, 1109625, 1109627, 1109631, 1109636, 1109642, 1109643, 1109649, 1109755, 1109759, 1113475, 1113519, 1113643, 1113645, 1113832, 1113884, 1113952, 1113955, 1113956, 1113957, 1113958, 1113965, 1113966, 1113968, 1113970, 1113971, 1113972, 1113973, 1113974, 1113975, 1113977, 1113978, 1113979, 1113981, 1113983, 1113986, 1113994, 1113995, 1113997, 1114066, 1114092, 1114140, 1114143, 1114145, 1114148, 1114150, 1114197, 1990352, 1990355, 1990420, 1990483, 1990484, 1990489, 1990490 | **Ford** C3TF11000A, C3TZ11001A, C4TF11000A, C4TZ11002A, C5TZ11002C, C6TF11001A, C9HZ11000C, D3TF11000A | **Leece-Neville** CATF11000A, CATZ110024

99.0111.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 147, Argenta (2.0), Duna 60, Duna 70, Elba (1.3), Elba (1.5), Fiorino (1.1), Panorama, Prêmio (1.2), Prêmio (1.3), Prêmio (1.5), Prêmio (CS), Prêmio (CSL), Prêmio (S), Regata 70, Regata 75, Regata 85, Regata 90 (ie), Ritmo 75, Spazio, Super 85, Tempra (16v), Tempra (2.0 MPI 16v), Tempra (2.0 SPI 8v), Tempra (2.0 Turbo), Tipo (1.6ie), Uno (1.4i Argentina), Uno (1.5), Uno (1.6), Uno (1.6i Argentina), Uno (CS), Uno 75 (ie), Uno Mille, Uno R, Uno S, Uno SX | **Innocenti** Elba (1.5), Elba (1.6) | **Lada** 2104, Laika (1.5), Laika (1.6), Niva (1.5, 02/1993→), Niva (1.6, 02/1993→) | **Lancia** Beta (1.3), Beta (1.4), Beta (1.6), Beta (1.8), Beta (2.0), Delta (1.5), Delta (1.6), Prisma (1.5), Prisma (1.6), Trevi (1.6), Trevi (2.0) | **Seat** 131 (1.6), 132 (1.6), 132 (1.8) | **Volvo Penta** Especial / Special

OEM *ORIGINAL*

Bosch 1006209425, 9001082324, 9001082749, F000AL1001, F000AL1871 | **Cargo** 132194, RES9890 | **Fiat** 7073094, 9932923 | **General Motors/Chevrolet** 07073094 | **Italacciai** SD186 | **Lancia** 82327141 | **Lester** 16257, 16953 | **Lucas Indiel** 221483, TMB483 | **Magneti Marelli** 940113020025 | **Stemot** 11425 | **Valeo** 557432 | **Visnova** 324201 | **WAI** 54911381

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208218, 0001208408, 0001211246, 0001311116, 0001311119, 0001311123, 0001311129, 0001311130, 0001311133, 9000082021, 9000082039, 9000082040, 9000082053, 9000082061, 9000082066, 9000082070, 9000082079, 9000082080, 9000082083, 9000082085, 9000142100 | **Fiat** 4470377, 7501995

99.0112.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.20**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora (Partida / Starter Delco Remy) | **John Deere** Trator / Tractor | **TCM Equipment Ag** Pá Carregadeira / Wheel Loader / Pala Cargadora

OEM *ORIGINAL*

Cargo 133545 | **Facet** 10533, 10632, 10633 | **Ford** E3PF11350AA, E3PZ11350A, SD325 | **Lester** 3300, 4000, 4100, 4211, 4248, 4251, 4268, 4307, 4318, 4943, 4994, 4995, 6164, 6510, 6707, 6731, 6733, 6737 | **Lucas Indiel** 223191 | **Remy** 10479522, 10497522, 1877345, 1947912, 1958731, 1968131, 1970376, 1971706, A43652, D2037 | **WAI** 541389

99.0114.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**108.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Caminhão / Truck / Camión (Motor 4.53)

OEM *ORIGINAL*

Lucas Indiel 223192 | **Wapsa** 224041

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPB36

99.0115.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Maverick (4 cil / cyl), Pick-Up | **Willys** Pick-up, Rural, Utilitário / Utilitary / Utilitario Jeep

OEM *ORIGINAL*

Bosch 9001082425 | **Lucas Indiel** 221493

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082017

99.0117.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**19.15/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor (42MT) | **Caterpillar** Especial / Special | **Clark** Pá Carregadeira / Wheel Loader / Pala Cargadora | **Cummins** 42MT (12v-Empilhadeira / Forklift / Apiladora Case), 42MT (24v-Empilhadeira / Forklift / Apiladora Case) | **John Deere** Especial / Special (42MT)

OEM *ORIGINAL*

Bosch 2006202000 | **Butec** 850363, 852758, 852957 | **Cargo** 232632 | **Caterpillar** 4N4517 | **Delco Remy** 1914341, 1918866, 1921998, 1932526, 1932545, 1932605 | **Facet** 480116, 480410 | **Lester** 18020, 18021, 3055, 3064, 3809, 3884, 3894, 3895, 3931, 3949, 4636, 4731, 4732, 4733, 4734, 4747, 4748, 5597, 6213 | **Lucas Indiel** 223193 | **Paris Rhone** 103066 | **Prestolite** PD71 | **Valeo** 103066, 186621, NE711

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Autolite-Prestolite MES6101K, MES6301K, MFJ6201J, MFY6101AUT, MFY6201K | **Bosch** 0001420001, 0001420003, 0001420004, 0001420005, 0001420009, 0001420013, 0001420014, 0001420015, 0001420024, 0001420025, 0001421001, 0001421002, 0001421003, 0001421004, 0001421006, 0001421008 | **Delco Remy** 1108898, 1108987, 1109158, 1109169, 1109170, 1109172, 1109178, 1109184, 1109229, 1109230, 1109233, 1109235, 1109236, 1109249, 1109736, 1109741, 1109746, 1109801, 1109869, 1112775, 1113127, 1113311, 1113312, 1113313,

1113326, 1113327, 1113329, 1113330, 1113335, 1113337, 1113359, 1113602, 1113603, 1113605, 1113607, 1113617, 1113620, 1113621, 1113744, 1113774, 1113775, 1113794, 1113816, 1113822, 1114024, 1114028, 1114036, 1114043, 1114044, 1114045, 1114955, 1114976, 1990335, 1992019 | **Leece-Neville** 7072MB, 7072MC, 7146MA, 7146MB, 7148MA | **Paris Rhone** D13E117TE, D13E119TE, D13E120TE, D13E121TE, D13E122TE, D13E123TE | **Prestolite** MES6301K | **Valeo** D13E117TE, D13E118TE, D13E119TE, D13E120TE, D13E121TE, D13E122TE, D13E123TE

99.0118.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Retroescavadeira / Backhoe / Retroexcavadora 580H | **CBT** Trator / Tractor 8240, Trator / Tractor 8260 (4x4 Motor Perkins) | **Chrysler** Dodge D300 (Motor Perkins, 09/1977→) | **General Motors/Chevrolet** 4006MT, 8000MT, D40, D6000 (Motor Maxion, 03/1992→), Pick-Up D20 (Motor Maxion) | **John Deere** MD630, MND730 | **Kawasaki** F1300 (DT), F1400 (DT), F1500 (DT), F1600 (DT), F1800 (DT), F1902 (DT), F2105 (D) | **Komatsu** P160, P170, P170 (T), P190, P200, P260, P270, Retroescavadeira / Backhoe Excavator / Retroexcavadora PC150 (Mod. 5, Hidráulica / Hydraulic) | **Massey Ferguson** Colheitadeira / Combine / Cosechadora 3640, Colheitadeira / Combine / Cosechadora 3640 (PER-A 6358), Colheitadeira / Combine / Cosechadora 5650, Colheitadeira / Combine / Cosechadora 5650 (PER-A 6354-4), Colheitadeira / Combine / Cosechadora MF102, Colheitadeira / Combine / Cosechadora MF1630, Colheitadeira / Combine / Cosechadora MF1630 (PER-A 4248), Colheitadeira / Combine / Cosechadora MF210S, Colheitadeira / Combine / Cosechadora MF220, Colheitadeira / Combine / Cosechadora MF310, Colheitadeira / Combine / Cosechadora MF5650 (Turbo, PER-AT 6354-4), Pick Up, Trator / Tractor Maxion 9110, Trator / Tractor Maxion 9130, Trator / Tractor Maxion 9150, Trator / Tractor Maxion 9170, Trator / Tractor MF265, Trator / Tractor MF270, Trator / Tractor MF275, Trator / Tractor MF275-4, Trator / Tractor MF285, Trator / Tractor MF290, Trator / Tractor MF292, Trator / Tractor MF295, Trator / Tractor MF295-4, Trator / Tractor MF296, Trator / Tractor MF296-4, Trator / Tractor MF400, Trator / Tractor MF50X, Trator / Tractor MF55X, Trator / Tractor MF65R, Trator / Tractor MF65X, Trator / Tractor MF85X, Trator / Tractor MF86, Trator / Tractor MF95, Trator / Tractor MF95i | **Mercedes-Benz** Ônibus / Bus / Ómnibus OF 1113 (01/1988→), Ônibus / Bus / Ómnibus OF 917 (01/1988→), Ônibus / Bus / Ómnibus OH 1113 (01/1988→) | **Perkins** 248 (Trator / Tractor CBT 8240, 01/1984→), 4236A, 6354-4 (Trator / Tractor CBT 8240, 01/1984→), A6.358 (08/1989→), Maxion 1006.6T (Trator / Tractor Ideal 9075, 09/1994→), Maxion 1006.6T (Trator / Tractor Ideal 9090, 09/1994→), Maxion S4T (GM D20, 03/1992→), Maxion S4T (GM D6000, 03/1992→), Motor Industrial / Industrial Motor 3152, Motor Industrial / Industrial Motor 4203, Motor Industrial / Industrial Motor 4236, Motor Industrial / Industrial Motor 6354.4, Motor Industrial / Industrial Motor 6358, Trator / Tractor 296 (04/1976→), Trator / Tractor 400 (04/1976→), Trator / Tractor Ideal 9110 (08/1989→), Trator / Tractor Ideal 9130 (08/1989→), Trator / Tractor Ideal 9150 (08/1989→), Trator / Tractor Ideal 9170 (08/1989→), Trator / Tractor MF275 (04/1976→), Trator / Tractor MF275 / 4 (04/1976→), Trator / Tractor MF283, Trator / Tractor MF283 (04/1976→), Trator / Tractor MF290 (04/1976→), Trator / Tractor MF290 / 4 (04/1976→), Trator / Tractor MF292 (04/1976→), Trator / Tractor MF292 (Turbo, 04/1976→), Trator / Tractor MF296 / 4 (04/1976→) | **Volvo** 406, 407, F82, F83S | **Yanmar** Motor Estacionário / Stationary Motor / Motor Estacionario BT22, Motor Estacionário / Stationary Motor / Motor Estacionario BT33, Motor Estacionário / Stationary Motor / Motor Estacionario BTD22, Motor Estacionário / Stationary Motor / Motor Estacionario BTD33, Trator / Tractor 1050D, Trator / Tractor 1050D (4x4)

OEM *ORIGINAL*

Bosch 2006209394, 2006209405, 2006209435, 9002453038, 9002453074, 9002453082 | **Italacciai** SD312 | **Lester** 18122, 18259 | **Lucas Indiel** 222439, TNB439

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359008, 0001359064, 0001359067, 0001360050, 0001365005, 9000083035, 9000083038, 9000083041, 9000083042, 9000083051, 9000083055, 9000083058, 9000083059, 9000083062, 9000453073, 9000453086, F000AL0700

99.0118.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**81.50**

99.0118.0 reforçada, porém menor na altura/Reinforced 99.0118.0, but smaller in height/99.0118.0 reforzada, pero de menor altura

99.0119.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**66.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bautz T 600 V **| Claas** Columbus, Comet, Compact 25, Cosmos **| Lancia** Flavia, Fulvia **| Porsche** 356 B, 356 C, 616 / 33.1 **| Volkswagen** 1200, 1200 A, 1300, 1300 A, 1500, 1600, Transporter (1.2)

OEM *ORIGINAL*

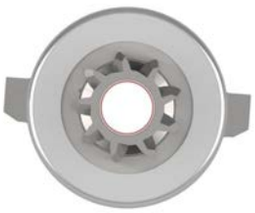
Bosch 1006209059, 1006209060, 1006209067, 1006209068, 1006209117, 1006209119, 1006209320, 1006209321, 1006209322, 1006209323, 1006209324, 1006209325, 1006209329 **| Cargo** 132193 **| Italacciai** SD456 **| Lester** 16318, 16319, 16327, 16329, 16355, 16396 **| Volkswagen** 113911335, 113911335A, 113911335B, 311911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001207001, 0001207002, 0001207005, 0001208006, 0001208017, 0001310007

99.0120.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**70.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Autobianchi A111, A112, Primula 65C | **Fiat** 1100 (T4), 124, 124 Special, 127 (0.9), 127 (1.05), 127 (1.3), 128, 131 (1.3), 141, 238, 241 (T), Panda 45 (4x4), Regata (1.1), Regata (1.3), Regata 70, Ritmo 60, Ritmo 65, Ritmo 75, Ritmo 85, Ritmo Super, Uno (0.9), Uno (1.1), Uno (1.3), X1 / 9 | **Lancia** Delta (1.3), Prisma (1.3) | **OM** BM10 | **Seat** 1200 Sport (1430cc), 124, 124 (D), 124 Special (D), 127, 127 Fura, 128.3P, 131, 131L, 138, Ritmo, Ronda

OEM *ORIGINAL*

Bosch 9001336222 | **Femsa** 03550, 1706114, 170613 | **Fiat** 4130651, 4142235, 4145751, 4202988, 4249166, 9936036, 9941892 | **Garef** 58350001, 58350002 | **Italacciai** SD107 | **Lester** 16465, 16521, 16593, 16700 | **Lucas Indiel** 227632

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Femsa MTS121, MTS1222, MTS1223, MTS1229, MTS1234, MTS1239, MTS1242, MTS1247, MTS1248, MTS12P19, MTS12P2, MTS12P20, MTS12P29, MTS12V13, MTS12V25 | **Fiat** 4142222, 4142223, 4143828, 4152196, 4181961, 4198226, 4198227, 4198600, 4198601, 4204698, 4204699, 4229113, 4229114, 4474805, 4474917 | **Italacciai** MTS1201 | **Magneti Marelli** 63220700, 63220701, 63220702, 63220705, 63220706, 63220720, 63220721, 63220723, 63220724, 63220731, 63220740, 63220741, 63220743, 63220744, 63220746, 63220800, 63220833, 63220834, 63220836, 63220900, 63220932, 63220940, 63221300

99.0124.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.20**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Motor Estacionário / Stationary Motor / Motor Estacionario M790

OEM *ORIGINAL*

Delco Remy 1893736, 1942877

99.0125.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**89.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora, Motor Estacionário / Stationary Motor / Motor Estacionario M790, Trator / Tractor T4200, Trator / Tractor T4300 **| Bobcat** Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora (Motor Agrale) **| Clark** Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora

OEM *ORIGINAL*

Bosch 9001453349 **| Lucas** TWB240 **| Wapsa** 224040

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453013, 9000453048 **| Wapsa** MPB38

99.0125.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**89.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora, Motor Estacionário / Stationary Motor / Motor Estacionario M790, Trator / Tractor T4200, Trator / Tractor T4300 **| Bobcat** Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora (Motor Agrale) **| Clark** Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora

OEM *ORIGINAL*

Bosch 9001453349 **| Lucas** TWB240 **| Wapsa** 224040

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453013, 9000453048 **| Wapsa** MPB38

99.0126.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**72.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Galaxie, Landau, LTD, Maverick (motor 302 CID 8 cil / cyl, 1976→)

OEM *ORIGINAL*

Wapsa 224039

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPB35

99.0131.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**66.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Sedan 1200, Sedan 1300, Sedan 1500, Sedan 1600, Transporter (1.5), Transporter (1.6)

OEM *ORIGINAL*

Bosch 1006209061, 1006209102, 1006209104, 1006209161, 1006209339, 2006209160, 2006209161, 2006209311 **| Italacciai** SD457 **| Lester** 16396, 16450 **| Lucas Indiel** 223317 **| Volkswagen** 113911335C

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001160003, 0001160013, 0001207016, 0001207018, 0001207019, 0001211012

99.0133.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	-
2T Dois Dentes	-
G Ø Externo do Dente	-
IG Ø Interno do Dente	-
ID Ø da Bucha	-
CW-CCW Sentido	
D Ø da Capa	-
SPL Número de Estrias	-
ES Ø Externo da Estria	-
IS Ø Interno da Estria	-
L Comprimento	**166.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Compressor / Compresor AX430 **|** **Case** Pá Carregadeira / Wheel Loader / Pala Cargadora W36 (Motor Cummins), Pá Carregadeira / Wheel Loader / Pala Cargadora W36 (Motor Scania), Pá Carregadeira / Wheel Loader / Pala Cargadora W36B (Motor Cummins), Pá Carregadeira / Wheel Loader / Pala Cargadora W36B (Motor Scania), Trator agrícola / Agricultural tractor / Tractor agrícola 2470, Trator agrícola / Agricultural tractor / Tractor agrícola 4490 **|** **Caterpillar** Grupo Gerador / Generator Group 3304T, Grupo Gerador / Generator Group 3306T, Moto Scraper 631E, Motoniveladora / Motor Grader / Motoniveladora 120B (3306), Motoniveladora / Motor Grader / Motoniveladora 140B (3306), Pá Carregadeira / Wheel Loader / Pala Cargadora 930, Pá Carregadeira / Wheel Loader / Pala Cargadora 966, Trator de Esteira / Track-Type Tractor / Buldócer 631E, Trator de Esteira / Track-Type Tractor / Buldócer D4D, Trator de Esteira / Track-Type Tractor / Buldócer D4E, Trator de Esteira / Track-Type Tractor / Buldócer D5B, Trator de Esteira / Track-Type Tractor / Buldócer D6C, Trator de Esteira / Track-Type Tractor / Buldócer D6D, Trator de Esteira / Track-Type Tractor / Buldócer D6E, Trator de Esteira / Track-Type Tractor / Buldócer D8L **|** **Cummins** Chassi para Ônibus / Bus Chassis / Chasi de Autobús RC210, Chassi para Ônibus / Bus Chassis / Chasi de Autobús UC210, Motor 250 Super, Motor 6C, Motor 6CT, Motor 6CTA, Motor N855 **|** **Fiat** Caminhão / Truck / Camión 180, Caminhão / Truck / Camión 190, Caminhão / Truck / Camión 190T, Caminhão / Truck / Camión 210 **|** **Fiat Allis** Trator de Esteira / Track-Type Tractor / Buldócer AD14 (Motor Scania) **|** **Fiat Iveco** Caminhão / Truck / Camión **|** **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D60A (Motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D60E (Motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D60F (Motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D65A (Motor Cummins N855), Trator de Esteira / Track-Type Tractor / Buldócer D65E (Motor Cummins N855) **|** **Mafersa** Trator / Tractor M Série M210 (Motor Cummins 6CTA 8.3, 09/1991→), Trator / Tractor M Série M240 (Motor Cummins 6CTA 8.3, 09/1991→) **|** **Massey Ferguson** Trator / Tractor MF4780 (Motor Scania DN11) **|** **Mercedes-Benz** Caminhão / Truck / Camión 1419, Caminhão / Truck / Camión 1420, Caminhão / Truck / Camión 1517, Caminhão / Truck / Camión 1518, Caminhão / Truck / Camión 1519, Caminhão / Truck / Camión 1520, Caminhão / Truck / Camión 1524, Caminhão / Truck / Camión 1525, Caminhão / Truck / Camión 1924, Caminhão / Truck / Camión 1924A, Caminhão / Truck / Camión 1929, Caminhão / Truck / Camión 1932, Caminhão / Truck / Camión 1933, Caminhão / Truck / Camión 1934, Caminhão / Truck / Camión 2019, Caminhão / Truck / Camión 2020 (OM 355-5), Caminhão / Truck / Camión 2219, Caminhão / Truck / Camión 2220, Caminhão / Truck / Camión 2624, Caminhão / Truck / Camión 2624A, Caminhão / Truck / Camión MB856, Caminhão / Truck / Camión MB858, Caminhão / Truck / Camión MB866, Caminhão / Truck / Camión MB868, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1420, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1517, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1518, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O364, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O370, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O371, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O371UP, Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH1419, Gerador / Generator (OM314), Gerador / Generator (OM352), Gerador / Generator (OM352A), Gerador / Generator / Generador O370 (OM355-5), Gerador / Generator / Generador O370 (OM355-6), Gerador / Generator / Generador O370 (OM355-6A), Gerador / Generator / Generador O370 (OM355-6LA), Gerador / Generator / Generador O371 (OM355-5A), Gerador / Generator / Generador O371 (OM355-6A), Gerador / Generator / Generador O371 (OM355-6LA), Gerador / Generator / Generador O371UP (OM355-5), Motor Estacionário / Stationary Motor / Motor Estacionario (OM314), Motor Estacionário / Stationary Motor / Motor Estacionario (OM352), Motor Estacionário / Stationary Motor / Motor Estacionario (OM352A), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM 355-5), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM355-6), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM355-6A), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM355-6LA), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-5A), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-6A), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-6LA), Motor Estacionário / Stationary Motor / Motor Estacionario O371UP (OM355-5), Motor Industrial / Industrial Motor (OM314), Motor Industrial / Industrial Motor (OM352), Motor Industrial / Industrial Motor (OM352A), Motor Industrial / Industrial Motor O370 (OM355-5), Motor

Industrial / Industrial Motor O370 (OM355-6), Motor Industrial / Industrial Motor O370 (OM355-6A), Motor Industrial / Industrial Motor O370 (OM355-6LA), Motor Industrial / Industrial Motor O371 (OM355-5A), Motor Industrial / Industrial Motor O371 (OM355-6A), Motor Industrial / Industrial Motor O371 (OM355-6LA), Motor Industrial / Industrial Motor O371UP (OM355-5), Motor marítimo / Marine engine (OM314), Motor marítimo / Marine engine (OM352), Motor marítimo / Marine engine (OM352A), Motor marítimo / Marine engine O370 (OM355-5), Motor marítimo / Marine engine O370 (OM355-6), Motor marítimo / Marine engine O370 (OM355-6A), Motor marítimo / Marine engine O370 (OM355-6LA), Motor marítimo / Marine engine O371 (OM355-5A), Motor marítimo / Marine engine O371 (OM355-6A), Motor marítimo / Marine engine O371 (OM355-6LA), Motor marítimo / Marine engine O371UP (OM355-5), Ônibus / Bus / Ómnibus 1419, Ônibus / Bus / Ómnibus 1420, Ônibus / Bus / Ómnibus 1517, Ônibus / Bus / Ómnibus 1518, Ônibus / Bus / Ómnibus 1519, Ônibus / Bus / Ómnibus 1524, Ônibus / Bus / Ómnibus 1525, Ônibus / Bus / Ómnibus 1924, Ônibus / Bus / Ómnibus 1924A, Ônibus / Bus / Ómnibus 1929, Ônibus / Bus / Ómnibus 1932, Ônibus / Bus / Ómnibus 1933, Ônibus / Bus / Ómnibus 1934, Ônibus / Bus / Ómnibus 2019, Ônibus / Bus / Ómnibus 2219, Ônibus / Bus / Ómnibus 2220, Ônibus / Bus / Ómnibus 2624A, Ônibus / Bus / Ómnibus O355 (OM 355-6), Ônibus / Bus / Ómnibus O364 (OM 355-5), Ônibus / Bus / Ómnibus O364 (OM 355-6), Ônibus / Bus / Ómnibus O365 (OM 355-5), Ônibus / Bus / Ómnibus O370, Ônibus / Bus / Ómnibus O371, Ônibus / Bus / Ómnibus O371UP | **MWM** D232, TD232 | **Scania** Caminhão / Truck / Camión 145, Caminhão / Truck / Camión CR145L, Caminhão / Truck / Camión CR145T, Caminhão / Truck / Camión CR145X, Caminhão / Truck / Camión DSI14, Caminhão / Truck / Camión L (D11), Caminhão / Truck / Camión L (DS11), Caminhão / Truck / Camión LS (D11), Caminhão / Truck / Camión LS (DS11), Caminhão / Truck / Camión LT 110 (D11), Caminhão / Truck / Camión LT 110S (DS11), Chassi para Ônibus / Bus Chassis / Chasi de Autobús BR116S, Chassi para Ônibus / Bus Chassis / Chasi de Autobús K112, Chassi para Ônibus / Bus Chassis / Chasi de Autobús S112, Motor Industrial / Industrial Motor DN11, Motor Industrial / Industrial Motor DS11, Motor Industrial / Industrial Motor DS14, Motor marítimo / Maritime engine DN11, Motor marítimo / Maritime engine DS11, Motor marítimo / Maritime engine DS14, Ônibus / Bus / Ómnibus B115 (05/1975→), Ônibus / Bus / Ómnibus BR115S (05/1975→), Ônibus / Bus / Ómnibus BR116 (05/1975→), Ônibus / Bus / Ómnibus BR116S (05/1975→) | **Volkswagen** Caminhão / Truck / Camión 14210, Caminhão / Truck / Camión 16.170, Caminhão / Truck / Camión VW14.170, Caminhão / Truck / Camión VW16.210 | **Volvo** Caminhão / Truck / Camión 210, Caminhão / Truck / Camión N10, Caminhão / Truck / Camión N12, Caminhão / Truck / Camión NL10, Caminhão / Truck / Camión NL10-340, Caminhão / Truck / Camión NL2-400, Chassi para Ônibus / Bus Chassis / Chasi de Autobús B10M, Chassi para Ônibus / Bus Chassis / Chasi de Autobús B58E

OEM *ORIGINAL*

Bosch 2003162001, 2003162005, 2003162006, 2003162016, 2006401527 | **Delco Remy** 19024391, 19024909 | **Fiat** 9926536 | **Lucas Indiel** 223197 | **TJ** 0842116, 0842190, 0846190

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001410021, 0001410041, 0001410063, 0001410089, 9000084007, 9000084008, 9000084009, 9000084010, 9000084011, 9000084012, 9000084013, 9000084014, 9000084015, 9000084016, 9000084017, 9000084018, 9000084019, 9000084020, 9000084021, 9000084022, 9000084023 | **Delco Remy** 19024013, 19024016, 19024038, 19024063, 19024064, 19024071, 19024076, 19024077, 19024079, 19024087, 19024135, 19024180, 19024801

99.0134.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case 1294, 1394, 580, 990, 995, Trator / Tractor (Partida / Starter Lucas) | **Dodge** DKC, FB Bantam, KC, KCB | **Ford** Bedford | **Hyundai** Pony | **Lancer** HP Series | **Massey Ferguson** Trator / Tractor MF101C, Trator / Tractor MF275, Trator / Tractor MF285, Trator / Tractor MF365, Trator / Tractor MF375, Trator / Tractor MF399

OEM *ORIGINAL*

Cargo 131729 | **Lester** 17642 | **Lucas Indiel** 085541538010, 54247397, 60600078, TMB125 | **Magneti Marelli** 85541538

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26275F/K, 26280F/J, 26306E/H, 27412A/D, 27416A/D, 27423A, 27452A, 27475A

99.0135.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**77.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

American Ambassador (V8 4.8L 290cid, 1968~1969), Ambassador (V8 5.0L 304cid, 1970~1974), Ambassador (V8 5.0L 4982cc 304cid, 1970~1974), Ambassador (V8 5.0L 4983cc 304cid, 1970~1974), Ambassador (V8 5.6L 343cid, 1967~1969), Ambassador (V8 5.6L 5585cc 343cid, 1967~1969), Ambassador (V8 5.9L 360cid, 1970~1974), Ambassador (V8 5.9L 5899cc 360cid, 1970~1974), Ambassador (V8 5.9L 5900cc 360cid, 1970~1974), Ambassador (V8 6.4L 390cid, 1968~1970), Ambassador (V8 6.4L 6391cc 390cid, 1968~1970), Ambassador (V8 6.6L 401cid, 1971~1974), Ambassador (V8 6.6L 6571cc 401cid, 1971~1974), Ambassador (V8 6.6L 6572cc 401cid, 1971~1974), AMX (8 cil / cyl 5.0L 304cid, 1972~1974), AMX (8 cil / cyl 5.0L 4982cc 304cid, 1972~1974), AMX (8 cil / cyl 5.0L 4983cc 304cid, 1972~1974), AMX (8 cil / cyl 5.9L 5899cc 360cid, 1971~1974), AMX (8 cil / cyl 5.9L 5900cc 360cid, 1971~1974), AMX (8 cil / cyl 6.6L 6571cc 401cid, 1971~1974), AMX (8 cil / cyl 6.6L 6572cc 401cid, 1971~1974), AMX (V8 4.8L 290cid, 1968~1969), AMX (V8 5.6L 343cid, 1968~1969), AMX (V8 5.6L 5585cc 343cid, 1968~1969), AMX (V8 5.9L 360cid, 1970), AMX (V8 5.9L 5899cc 360cid, 1970), AMX (V8 5.9L 5900cc 360cid, 1970), AMX (V8 6.4L 390cid, 1968~1970), AMX (V8 6.4L 6391cc 390cid, 1968~1970), Gremlin (L6 3.8L 232cid, 1973~1976), Gremlin (L6 3.8L 3802cc 232cid, 1973~1974), Gremlin (L6 4.2L 258cid, 1973~1976), Gremlin (L6 4.2L 4228cc 258cid, 1973~1974), Gremlin (L6 4.2L 4229cc 258cid, 1973~1974), Gremlin (V8 5.0L 304cid, 1972~1976), Gremlin (V8 5.0L 4982cc 304cid, 1972~1974), Gremlin (V8 5.0L 4983cc 304cid, 1972~1974), Hornet (L6 3.8L 232cid, 1973~1976), Hornet (L6 3.8L 3802cc 232cid, 1973~1974), Hornet (L6 4.2L 258cid, 1973~1976) | **JEEP** Cherokee (L6 4.2L 258cid, 1974~1976), Cherokee (L6 4.2L 4228cc 258cid, 1974), Cherokee (L6 4.2L 4229cc 258cid, 1974), Cherokee (V8 5.9L 360cid, 1974~1976)

OEM *ORIGINAL*

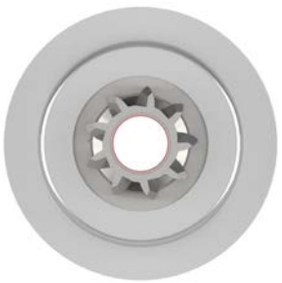
Autolite-Prestolite BRC3001J, P1849 | **Bosch** 1987BE0004 | **Chrysler** FO1912, LM1901, PL1991 | **Delco Remy** 1838065, 1938065 | **Ford** C6FF11350B, C9FF11350A, D6FF11350AA, D6FF11350BA | **Lester** 3207, 3208, 3209, 3211, 3212

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Autolite-Prestolite C5AF1A | **Ford** C6FF11001, C6FF11001A, C9FF11001B, D0FF11001B, D0FF11001C

99.0139.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 200, 220, 230, 250, 280

OEM *ORIGINAL*

Bosch 1006209080, 1006209439, 9001043178 | **Italacciai** SD309 | **Lester** 16299, 16543

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001313004

99.0140.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Charmant, Delta | **Toyota** Carina (1.4), Carina (1.6), Carina (2.0), Celica (1.4), Celica (1.6), Celica (2.0), Celica (2.2), Celica (2.3), Corolla, Corona (1.4), Corona (1.6), Corona (1.8), Corona (1.9), Corona (2.0), Corona (2.2), Corona (2.3), Corona (2.6), Crown, Dyna, Hiace, Hilux, Land Cruiser FJ60, Mark II, Sprinter (1.6)

OEM *ORIGINAL*

Bosch 1987BE0023 | **Lester** 16215, 16222, 16224, 16230, 16238, 16261, 16766, 16832, 16843, 17354 | **Lucas Indiel** 223199 | **Nippondenso** 0283000660, 0283000901, 0283000911, 0283001951, 0283003350 | **Toyota** 2801115010, 2801141020, 2801141021, 2801160040, 2801160041

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280002250, 0280002260, 0280002364, 0280002660, 0280002681, 0280003051, 0280003710, 0280004330, 0280006100, 0280006103, 0280006422, 0280006494, 0280006800, 0280006810, 0280006813, 0280006823, 0280007093, 0280007132, 0280007332, 0280007460, 0280007461, 0280007470, 0280007520, 0280007521, 0280007780, 0280007981, 0280009010, 0280009020, 0280009570, 0280009680, 0280009960, 1280001610, 1280002050, 1280008130 | **Toyota** 2810034070, 2810040061, 2810042021, 2810044041, 2810060042

99.0141.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**13.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Chevy Luv **| Isuzu** KB20 **| Nissan** 1200, 120Y, 1300, 140Y, 160Y, Bluebird, Cedric, Cherry, Laurel, Skyline, Violet

OEM *ORIGINAL*

General Motors/Chevrolet 94021427 **| Hitachi** 2114N1550, 2114N1560, 2114N4550 **| Isuzu** 8821213620, 8921233010, 9811233010, 9821233010 **| Lester** 16190, 16201, 16203, 16205, 16207, 16209, 16211, 16246, 16270, 16805 **| Nissan** 233120990, 2331210600, 2331210605, 2331221000, 2331221005, 2331243601, 23312E3000, 23312E3300, 23312E6000, 23312N0900

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 94021044, 94022494, 94024438 **| Hitachi** S114100, S114103, S114103K, S114103L, S114103M, S114103N, S114103P, S114108, S114108L, S114118, S114121, S114121N, S114122, S114122N, S114131, S114133, S114134, S114136, S114143, S114150, S114156, S114192, S11423, S11423K, S11471, S11472, S11487, S11487L, S11487M, S11487P, S11488, S11491, S11491K, S11492, S11492K, S144192, S14455 **| Isuzu** 8821001260, 8942010201, 9821001260, 9821006060, 9821006350 **| Nissan** 2330008700, 2330009500, 2330009600, 2330009602, 2330010600, 2330010601, 2330010605, 2330010615, 2330015800, 2330015805, 2330018000, 2330018005, 2330018015, 2330021000, 2330021005, 2330021006, 2330021007, 2330021008, 2330021009, 2330021017, 2330026900, 2330026901, 2330043300, 2330043305, 2330043405, 2330048300, 2330048301, 2330078505, 2330079400, 23300E3000, 23300E3001, 23300E3100, 23300E3101, 23300H0100, 23300H0101, 23300H3900, 2330221008, 4330078505

99.0144.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.45**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Laser **| Mazda** Capella, Familia, Luce, Pick Up 1000 (1.2), Proceed **| Mitsubishi** Celeste (1.6 Motor 4G5), Colt (1.2 Motor 4G5), Colt Galant (1.8 Motor 4G5), Colt Galant (2.0 Motor 4G5), Galant (1.6 Motor 4G5), Lancer Galant (4G5), Trator / Tractor **| Nissan** 260, 280, 300ZX, Caball, E60

OEM *ORIGINAL*

Facet 10127 | **Lester** 16210, 16500, 16519, 16520, 16522, 16524, 16571, 16588, 16720, 16742, 18097 | **Lucas Indiel** 223201 | **Mazda** 022224722, 175723709 | **Mitsubishi** K300, K320, M191T30171, M191T30971, M191T30972, M191T30973, M191T33071, M191T602052, M191T602059, MD02052, MD600679, MD602052, MD6020599, MD602678, MD602679 | **Nissan** 23312E3010 | **Volkswagen** 10127

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda 022218400A, 032418400A, 042618400A, 042618400B, 22218400, 32418400, 489418400B, 489418400C, 489418400D | **Mitsubishi** M2T10171, M2T10271, M2T15772, M2T19171, M2T19271, M3T10071, M3T10072, M3T10171, M3T10271, M3T10272, M3T10371, M3T10372, M3T10572, M3T10672, M3T11172, M3T11173, M3T11173Q, M3T11174, M3T11272, M3T11372, M3T11373, M3T11772, M3T12372, M3T12572, M3T12672, M3T13071, M3T13072, M3T15072, M3T15073, M3T15074, M3T15075, M3T15171, M3T15271, M3T15372, M3T15675, M3T15772, M3T15872, M3T15972, M3T19171, M3T19271, M3T19471, M4714674, M4T14372, M4T14572, M4T14672, M4T14673, M4T14674, M4T14771, M4T14872, M4T41672, MCA020, MD001550, MD001552, MD001553, MD003550, MD003551, MD011550, MD011553, MD021665, MD021666, MD021670, MD021672, MD021676, MD021679, MD021686, ME031, ME041, ME10AZR, ME10WR, ME12AZR, MEA010, MEA011, MEA030, MEA031, MEA040, MEA041, MEA061, MEA071, MEA121, MEC012, MED030, MED031, MED032, MED034, MED041, MED042, MED074, MED10AZR, MEWR, MQJ1R, MQJ2R, MQJ6R, MQJR | **Nissan** 2330078511

99.0150.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson Especial / Special | **New Holland** Especial / Special, Trator / Tractor | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor

OEM *ORIGINAL*

Italacciai SD198 | **Lester** 16670, 17071, 17072, 17649, 17650, 17651, 17652 | **Lucas** 54244938, 54246285, 54246654, 60600066, TMB100 | **Lucas Indiel** 223205

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai 26273E | **Lucas Indiel** 26246M, 26246MM50, 26273E/F, 26273H/M, 26274E/F, 26274H/N, 26290B, 26294D/E, 26294F/Q, 26295D/Q, 26304D, 26323A, 26323AM50, 26343A/K, 26344A/F, 26345A/J, 26351A/H, 26357A/E, 26358A/H, 26365A/F, 26366A/F, 26369A/J, 26374A/F, 26376A/L, 26378A/H, 26393A/F, 26403A/D, 26404A/D, 26404ADM50, 26408A/E, 26409A/E, 26410A/B, 26411A/B, 26414A/E, 26427A, 26427AM50, 26436A/B

99.0153.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**34.20**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yanmar Motor / Engine AE1 (09/1977→), Motor / Engine AE2 (09/1977→)

OEM *ORIGINAL*

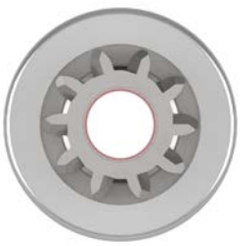
Bosch 2006209445

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359086, 9000083037, 9000083057, 9000143114, 9000143115

99.0155.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Trator / Tractor 2000, Trator / Tractor 3000, Trator / Tractor 8000 | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor

OEM *ORIGINAL*

Bosch 1987BE0024 | **Cargo** 130452 | **Italacciai** SD303 | **Lester** 16606, 16660, 16670, 17072, 17639, 17640, 17641, 17644, 17645, 17649, 17651, 17652, 17653 | **Lucas Indiel** 228141, 54247034, 54247036, 54268141, 54294922, 60600024, TMB120, TNB108, TNB165 | **Magneti Marelli** 85541454, 85541479, 85541490 | **Visnova** 254431

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26236L, 26238M/Q, 26248M, 26256H, 26259L/N, 26260E, 26264H/K, 26271F/J, 26279F/K, 26281F/J, 26283H/K, 26285F, 26287/F/J, 26288F, 26310E/F, 26321D/F, 26347A/B, 26364A/F, 26370B/E, 26375A/D, 26387A/E, 26391A/B, 26412A, 26413A, 26422A, 27245A, 27403A, 27407A, 27408A, 27409A/D, 27411A/B, 27414A, 27415A/D, 27417A/D, 27420A/B, 27424A/B, 27426A/F, 27427A/E, 27429A/B, 27432A/E, 27433A/D, 27435A, 27439A, 27446A, 27459A, 27461A/B, 27464A/B, 27468A/B, 27469A, 27470A/B, 27474A/B, 27502A/D, 27503A/D, 27510, 27513A, 27514A/B, 27515A/E, 27518A/E, 27519A/D, 27522A/D, 27523A/D, 27524A/B, 27525A/B, 27526A/D, 27527A/B, 27532A/D, 27536A/D, 27537A/B, 27538A/D, 27539A/F, 27540A/H, 27541A/D, 27550A/B, 27559A/E, 27565B/D,

27568A, 27570A/B, 27571A/B, 27572A/B, 27573, 27574, 27583D

99.0158.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 404, 504, 505

OEM *ORIGINAL*

Bosch 1987BE0025 | **Lucas Indiel** 227327, 58351424

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 583514243

99.0160.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F100 (1977→), Fairlane 77, Falcon | **Peugeot** Peugeot (todos com motor Indenor XD4-88)

OEM *ORIGINAL*

Bosch 1987BE0026 | **Lucas Indiel** 227331, 35257331, 4A504187

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35255556, 35255999

99.0161.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Falcon (1963~1977) | **General Motors/Chevrolet** Pick-Up 400, Pick-up C10 (1963~1978) | **Opel** K 180

OEM *ORIGINAL*

Bosch 1987BE0027 | **Lucas Indiel** 227332, 35257332, 4A54440

99.0162.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F100, F1000 (Gasolina 6 cil / cyl, 1995), F150, F250, F350, F400, F600, Fairlane, Falcon, Ranchero

OEM *ORIGINAL*

Bosch 1987BE0028 | **Lucas Indiel** 228131, 35257090, 35257340, 35258131

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258000

99.0163.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión TX1100 M790, Motor Estacionário / Stationary Motor / Motor Estacionario M70 (08/1977→), Motor Estacionário / Stationary Motor / Motor Estacionario M790 (08/1977→), Motor Estacionário / Stationary Motor / Motor Estacionario M80 (08/1977→), Motor Estacionário / Stationary Motor / Motor Estacionario M85 (08/1977→), Motor Estacionário / Stationary Motor / Motor Estacionario M90 (08/1977→), Motor Estacionário / Stationary Motor / Motor Estacionario M93ID (08/1977→), Trator / Tractor 4100 (08/1977→), Trator / Tractor 416 (08/1977→), Trator / Tractor 420 (08/1977→)

OEM *ORIGINAL*

Bosch 9001082401 | **Lucas** TMB401

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082028

99.0182.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**49.50**
IG Ø Interno do Dente	**37.60**
ID Ø da Bucha	**15.95/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson Colheitadeira / Combine / Cosechadora, Trator / Tractor | **TCM Equipment Ag** Serie 42MT (24v, Motor Detroit)

OEM *ORIGINAL*

Cargo 131770 | **Case** A42417 | **Facet** 10583, 480417 | **Ford** C8TZ11350A, C8WF11350A, SD180 | **Italacciai** SD318 | **Lester** 3758, 3798, 3945, 3979, 6257, 6381, 6500, 6515, 6547, 6681 | **Lucas Indiel** 223211 | **Remy** 0800069, 0800071, 10482298, 1893562, 1894214, 1894216, 1947520, 1947920, 1950586, 1971167, 1977006, 8000069 | **Valeo** 480417 | **WAI** 541222

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford C8TF11000B, C8TZ11002A, E0HT11000AA, E0HT11000AB, E0HZ11002A | **Remy** 1113852, 1113871, 1113873, 1113940, 1113941, 1113985, 1113988, 1114052, 1114077, 1114094, 1114101, 1114146, 1114154, 1114168

99.0183.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**60.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 128 (Motor 1100), 128 (Motor 1300) | **Renault** Renault 12 (Motor 1100), Renault 4 (motor 1100), Renault 6 (Motor 1100)

OEM *ORIGINAL*

Bosch 1987BE0005 | **Ducellier** 079692 | **Lester** 16466 | **Lucas Indiel** 1018679, 227326

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 6128A, 6144A

99.0184.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Charmant (1.3), Charmant (1.4), Charmant (1.6), Delta | **Toyota** Carina (1.4), Carina (1.6), Celica (1.4), Celica (1.6), Copain (1.0), Corolla (1.2), Corolla (1.3), Corolla (1.4), Corolla (1.6), Corona (1.4), Corona (1.6), LiteAce, Pick Up, Sprinter, Starlet (1.0), Starlet (1.2)

OEM *ORIGINAL*

Ford D27Z11350A, D37Z11350A, SDE198 | **Italacciai** SD152 | **Lester** 16215, 16218, 16230, 16242, 16245, 16260, 16261, 16633, 16637, 16646 | **Lucas Indiel** 223464 | **Mazda** 029024830 | **Mitsubishi** MD604047, MD604048, MD604080 | **Nippondenso** 0283000851, 0283001020, 0283001540, 0283001542 | **Suzuki** 3132063210 | **Toyota** 2801122010, 2801122020, 2801122022, 2801123020, 2801124020, 2801124060, 2801124080, 2801126020, 2801133033, 2801140041, 2801146010, 2801187102 | **Volkswagen** 10121, 10501, 10504

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford D27Z11002A, D2TZ11002A, D37Z11002A, SAE674A **| Italacciai** 28002150 **| Mazda** 057818400 **| Mitsubishi** MD011550 **| Nippondenso** 280000430, 280001730, 280001940, 280001970, 280001971, 280001972, 280001973, 280002140, 280002141, 280002150, 280002151, 280002240, 280002241, 280002660, 280002661, 280002890, 280002930, 280002931, 280002932, 280002933, 280003000, 280003240, 280003241, 280003320, 280003330, 280003331, 280003332, 280003500, 280003800, 280003830, 280003841, 280003900, 280003901, 280004030, 280004031, 280004032, 280004040, 280004041, 280004042, 280004050, 280004090, 280004180, 280004500, 280004520, 280004530, 280004600, 280004601, 280004630, 280004650, 280004660, 280004680, 280004690, 280004691, 280004700, 280004710, 280005070, 280005071, 280005280, 280006220, 280006790, 280009690 **| Suzuki** 3110063210 **| Toyota** 2810010012, 2810010013, 2810012030, 2810012040, 2810015050, 2810015140, 2810021030, 2810022010, 2810022011, 2810022012, 2810022020, 2810022021, 2810022022, 2810023010, 2810023012, 2810024012, 2810024020, 2810024022, 2810024030, 2810024031, 2810024060, 2810024061, 2810024070, 2810024080, 2810024090, 2810024100, 2810024680, 2810025010, 2810025011, 2810025012, 2810026020, 2810026021, 2810026022, 2810032021, 2810040040, 2810040050, 2810041010, 2810041011, 2810060010, 2810087104

99.0186.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**97.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyster Empilhadeira / Forklift / Apiladora (motor Perkins 4203), Empilhadeira / Forklift / Apiladora (motor Perkins 4236), Empilhadeira / Forklift / Apiladora (motor Perkins GM2500 4C), Empilhadeira / Forklift / Apiladora (motor Perkins GM4100 6cil / cyl) **| Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Tratores / Tractors / Tractores

OEM *ORIGINAL*

Bosch 9001453344 **| Lucas** TWB245 **| Wapsa** 224045

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453007, 9000453008, 9000453044, 9000453045 **| Wapsa** MPB47, MPB48

99.0188.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**19.15/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

TCM Equipment Ag Serie 42MT (24v Allis Chalmer)

OEM *ORIGINAL*

Autolite-Prestolite EBB24, EBB90, P59143, P59203, P59205, P59230, PD8A, PD9A | **Butec** 850629, 852760, 852959 | **Delco Remy** 1909514, 1918079, 1920669, 1932031, 1948764, 1964300, 1964302, 1985129 | **Facet** 480115, 480320 | **Ingersoll Rand** 101BMP2991 | **Leece-Neville** 04488, 13538, 34977, 71151, 73493, 74977, 97222, MO290 | **Lester** 18022, 18038, 3053, 3056, 3057, 3058, 3060, 3061, 3777, 3846, 3976, 4749, 4984, 5311, 6209 | **Lucas Indiel** 223212 | **UTMS** DV202749 | **Volkswagen** 480115

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Autolite-Prestolite MES6102K, MES6103LUT, MFJ6301D, MFJ6306C, MFY6104CUT | **Bosch** 0001370002, 0001420002, 0001420006, 0001420007, 0001420008, 0001420010, 0001420011, 0001420026, 0001420027, 0001421007, 0001421009, 0001421010 | **Delco Remy** 1103809, 1108894, 1108895, 1109234, 1109237, 1109248, 1109762, 1109767, 1109823, 1109874, 1109891, 1113606, 1113612, 1113619, 1113730, 1113731, 1113736, 1113741, 1113747, 1113751, 1113772, 1113773, 1113781, 1113782, 1113785, 1113805, 1113809, 1113815, 1113885, 1114041 | **Leece-Neville** 7082MA, 7086MA, 7086MB, 7120MA, 7186MB, M0017232MA, M0017234MA, M0017274MA

99.0189.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**68.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Alfasud | **Citroën** LNA, LNA II, Visa, Visa Super | **Lancia** Beta | **Peugeot** 104, 205, 404, 504, 505, J7, J9 | **Renault** R14 | **Talbot** 1307, 1308, 1510, Samba

OEM *ORIGINAL*

Bendix 299033, 299955, 310629, 313910, 324565, 325228 | **Ducellier** 605028, 605055, 612355 | **Fiat** 9937711 | **Italacciai** SD117 | **Lester** 16462, 16484 | **Lucas** TMB211 | **Lucas Indiel** 223467 | **Paris Rhone** 078862, 092079, 093297, 096118 | **Valeo** 612355, NE180, NE319

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 532005, 532005A, 532007, 532007A, 532020, 532026, 533000, 533000A, 533002, 533002A, 533003, 533004, 534002A, 534003, 534003A, 534004, 534004AB, 534005, 534005AB, 534007, 583008A, 618077DEF, 618078AB, 618090B, 618091ABC, 618358AB, 618482AB, 618484AB, 618565A, 618795A, 6189, 6189ABCDEF, 6190, 6190AB, 6212, 6212AB, 6216, 6216ABC, 6220, 6220AB, 6222A, 6226, 6226A, 6237, 6237AB, 6238, 6238AB, 6240A, 6242, 6242A, 6246, 6246AB, 6247, 6247AB | **Italacciai** 006237A | **Paris Rhone** D8E83, D8RA114

99.0191.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**74.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Karmann-Ghia (1968~1972), Kombi (1.2, 1968~1972), Kombi (1.3, 1968~1972), Kombi (1.5, 1968~1972), Pick Up (1.2, 1968~1972), Pick Up (1.3, 1968~1972), Pick Up (1.5, 1968~1972), Sedan (1.2, 1968~1972), Sedan (1.3, 1968~1972), Sedan (1.5, 1968~1972), SP1 (1968~1972), SP2 (1968~1972), TC1600 (1968~1972), TL1600 (1968~1972), Variant (1968~1972)

OEM *ORIGINAL*

Bosch 9001082128, 9001082422 | **Lucas** TMB486 | **Lucas Indiel** 221486

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082003

99.0192.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Brasilia (1968~04/1981), Karmann-Ghia (1968→), Kombi (1.2, 1968~04/1981), Kombi (1.3, 1968~04/1981), Kombi (1.5, 1968~04/1981), Pick Up (1.2, 1968~04/1981), Pick Up (1.3, 1968~04/1981), Pick Up (1.5, 1968~04/1981), Sedan (1.2, 1968~04/1981), Sedan (1.3, 1968~04/1981), Sedan (1.5, 1968~04/1981), SP1 (1968→), SP2 (1968→), SP2 (1968~04/1981), TC1600 (1968→), TL1600 (1968→), Variant (1968→)

OEM *ORIGINAL*

Bosch 1987BE0123, 9001451292 | **Lucas** TMB487 | **Lucas Indiel** 221487 | **Volkswagen** 1119113354 | **Wapsa** 224012

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MWV12, MWV12F

99.0193.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yale Empilhadeira / Forklift / Apiladora 51CP (6 cil / cyl), Empilhadeira / Forklift / Apiladora 51P (6 cil / cyl), Empilhadeira / Forklift / Apiladora 83A (6 cil / cyl)

OEM *ORIGINAL*

Bosch 9001453387 **| Wapsa** 224011

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Wapsa MPB25, MPB27, MPE1

99.0194.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.50**
L Comprimento	**76.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

MWM Motor Estacionário / Stationary Motor / Motor Estacionario **| Valmet** Trator / Tractor 360D, Trator / Tractor 60, Trator / Tractor 80

OEM *ORIGINAL*

Wapsa 22410

99.0198.0





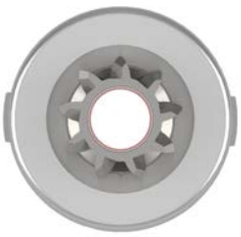
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**102.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora

99.0205.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Falcon, Mustang II (L4 2.0L 1989cc 122cid, 1974), Mustang II (L4 2.0L 1993cc 122cid, 1974), Mustang II (L4 2.3L 140cid, 1974~1977), Mustang II (L4 2.3L 2295cc 140cid, 1974), Mustang II (L4 2.3L 2302cc 140cid, 1974), Pinto (L4 1.6L 1598cc 98cid, 1971~1973), Pinto (L4 1.6L 1599cc 98cid, 1971~1973), Pinto (L4 2.0L 1989cc 122cid, 1971~1974), Pinto (L4 2.0L 1993cc 122cid, 1971~1974), Pinto (L4 2.3L 140cid, 1974~1977), Pinto (L4 2.3L 2295cc 140cid, 1974), Pinto (L4 2.3L 2302cc 140cid, 1974) | **Mercury** Bobcat (L4 2.3L 140cid, 1975~1977) | **Versatile** 330 (1970~1978)

OEM *ORIGINAL*

Chrysler FO1903, FO1910 | **Delco Remy** 1972286, F2003 | **Ford** C2DF11350C, C4DF11350A, C4DZ11350A, C4DZ11350B, C4ZZ11350B, C8DF11350B, C8DF11350G, C8OF11350A, D1RY11350B, D1RY11350C, D2RY11350B, D4RY11350A, D6EF11350AA, D6EF11350BA, D6GF11350AA, D6GF11350BA, D6PZ11350A | **Leece-Neville** 04234 | **Lester** 3148

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford C4DZ11001A, C4DZ11001B, D0DF11001A, D1FF11001A, D1FF11001AA

99.0213.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.25**
IS Ø Interno da Estria	**16.80**
L Comprimento	**68.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 124 Special (0.6), 124 Special (1.4), 125 Special, 130, 131 (1.6), 131 (1.8), 132 (0.2), 132 (1.6), 132 (1.8), Abarth Rally, Brava, Campagnola (1107A), Campagnola (AD), Campagnola (JD), Dino, Racing, Special (1.6), Sport Coupe, Sport Spider, Super Brava, Super Mirafiori (1.3), Super Mirafiori (1.6), Super Mirafiori (1.8) | **Lada** 1200, 1500, 2104, Laika, Niva, Niva (VAZ 2121) | **Lancia** Beta, HPE, Trevi | **Seat** 124 (1.8), 131 (1.6), 131 (E), 132, 1430 (1.6), 1430 (1.8)

OEM *ORIGINAL*

Bosch 9001133219 | **CBT** 210137086200, CT2213708600 | **Femsa** 1706110 | **Fiat** 4154293, 4243124, 4475122 | **Garef** 1470824 | **Italacciai** SD108 | **Lada** 210103708620, CT2213708600 | **Lester** 16257 | **Lucas Indiel** 221601, TMB620 | **Porsche** 21013708620, CT2213708600

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

CBT 21013708000 | **Femsa** MTD1214, MTD1219, MTD129, MTD12H8, MTD12P6, MTD12V9 | **Fiat** 4156064, 4162784, 4206634, 4285916, 4294494, 4294495, 4474599, 4474714, 4474746, 4474747, 4474762, 4474976, 4474979, 4475025, 4475130 | **Italacciai** MTD1209 | **Magneti Marelli** 63222400, 63222405, 63222408, 63222409, 63222430, 63222435, 63222438, 63222439, 63222501, 63222502, 63222531, 63222532, 63222536, 63222602, 63222605, 63222632, 63222635, 63222636, 63222700, 63222701, 63222706, 63222730, 63222731, 63222736 | **Porsche** 21013708000, CT2213708000

99.0215.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504 (Diesel), 504 (motor Indenor XD-2S), 504 (motor Indenor XD-4.90), 504 (motor Indenor XD-6.90), 505 (Diesel) | **Renault Agriculture** R721, R85, R87

OEM *ORIGINAL*

Italacciai SD400 | **Lucas Indiel** 223481 | **Paris Rhone** 95990

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D11E159 | **Paris Rhone** D11E159, D11E165

99.0216.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504 (D), 505 (D), 604 (TD), J7 (D), J9 (D) | **Renault Agriculture** R7221 | **Volvo** Motor Estacionário / Stationary Motor / Motor Estacionario (Motor Indenor XDP 4.90), Motor Estacionário / Stationary Motor / Motor Estacionario (Motor Indenor XDP 6.90), Motor Marine (Motor Indenor XDP 4.90), Motor Marine (Motor Indenor XDP 6.90)

OEM *ORIGINAL*

Italacciai SD813 | **Lester** 16715 | **Lucas Indiel** 223482 | **Paris Rhone** 95956

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D11E156 | **Paris Rhone** D11E156

99.0217.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.30**
IS Ø Interno da Estria	**16.80**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 403 (Diesel), 404 (Diesel), 504 (Diesel) | **Renault** Trator / Tractor R7201, Trator / Tractor R85, Trator / Tractor R87

OEM *ORIGINAL*

Bendix 333418 | **Italacciai** SD192 | **Paris Rhone** 55105, 70672 | **Valeo** NE156

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D11E079 | **Paris Rhone** D11E105, D11E109, D11E110, D11E115, D11E142, D11E143, D11E79

99.0218.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 1319, 1320, 1418, 1419, 1420, 1425, 1425S, 1517, 1518, 1519, 1520, 1524, 1525, 1622, 1924, 1929, 1932, 1933, 1934, 2019, 2025S, 2028LS, 2219, 2220, 2222, 2225B, 2228, 2233, 2236, 2238, 2624A, 2628, 2628A, 2628B, 2633, 2636, 2638, 3025B, 3028K, 3250A, 3328, 3328B, 3333, 3336, 3336A, 3850A, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1420, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1517, Chassi para Ônibus / Bus Chassis / Chasi de Autobús 1518, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O364, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O370, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O371, Chassi para Ônibus / Bus Chassis / Chasi de Autobús O371UP, Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH1419, Gerador / Generator / Generador O370 (OM 355-5), Gerador / Generator / Generador O370 (OM 355-6), Gerador / Generator / Generador O370 (OM 355-6A), Gerador / Generator / Generador O370 (OM 355-6LA), Gerador / Generator / Generador O371 (OM355-5A), Gerador / Generator / Generador O371 (OM355-6A), Gerador / Generator / Generador O371 (OM355-6LA), Gerador / Generator / Generador O371UP (OM355-5), Gerador / Generator / Generador OM314, Gerador / Generator / Generador OM352, Gerador / Generator / Generador OM352A, Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM 355-5), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM 355-6), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM 355-6A), Motor Estacionário / Stationary Motor / Motor Estacionario O370 (OM 355-6LA), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-5A), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-6A), Motor Estacionário / Stationary Motor / Motor Estacionario O371 (OM355-6LA), Motor Estacionário / Stationary Motor / Motor Estacionario O371UP (OM355-5), Motor Estacionário / Stationary Motor / Motor Estacionario OM314, Motor Estacionário / Stationary Motor / Motor Estacionario OM352, Motor Estacionário / Stationary Motor / Motor Estacionario OM352A, Motor Industrial / Industrial Motor O370 (OM 355-5), Motor Industrial / Industrial Motor O370 (OM 355-6), Motor Industrial / Industrial Motor O370 (OM 355-6A), Motor Industrial / Industrial Motor O370 (OM 355-6LA), Motor Industrial / Industrial Motor O371 (OM355-5A), Motor Industrial / Industrial Motor O371 (OM355-6A), Motor Industrial / Industrial Motor O371 (OM355-6LA), Motor Industrial / Industrial Motor O371UP (OM355-5), Motor Industrial / Industrial Motor OM314, Motor Industrial / Industrial Motor OM352, Motor Industrial / Industrial Motor OM352A, Motor marítimo / Marine engine O370 (OM 355-5), Motor marítimo / Marine engine O370 (OM 355-6), Motor marítimo / Marine engine O370 (OM 355-6A), Motor marítimo / Marine engine O370 (OM 355-6LA), Motor marítimo / Marine engine O371 (OM355-5A), Motor marítimo / Marine engine O371 (OM355-6A), Motor marítimo / Marine engine O371 (OM355-6LA), Motor marítimo / Marine engine O371UP (OM355-5), Motor marítimo / Marine engine OM314, Motor marítimo / Marine engine OM352, Motor marítimo / Marine engine OM352A, O303, O305, O305G, O307, O345, O345G, O355, O364, O365, O370, O370R, O370RS, O370RSD, O371R, O371RS, O371RSD | **MWM** Motor marítimo / Marine engine D232 (V6 / V8 1970 ED-V12 T / TD 1970 ED 12-24 OM232 V), Motor marítimo / Marine engine TD232 (V6 / V8 1970 ED-V12 T / TD 1970 ED 12-24 OM232 V)

OEM *ORIGINAL*

Bosch 2006382020, 2006382150, 2006382176, 2006383150 | **Cargo** 130419 | **Fiat** 8122127, 8122128 | **Italacciai** SP211 | **Lester** 17108, 18113, 18221, 18225, 18257 | **Lucas Indiel** 222419, TMB150

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001410015, 0001410016, 0001410021, 0001410022, 0001410029, 0001410041, 0001410043, 0001410052, 0001410058, 0001410078, 0001410083, 0001410088, 0001410089, 0001410090, 0001411009, 0001411014, 0001413001, 0001413004, 0001413006, 0001413010, 0001414003, 0001414009, 0001414010, 0001414011, 0001414015, 0001414018, 0001414022, 0001415001, 0001415002, 0001415006, 0001415010, 0001415027, 0001416002, 0001416013, 0001416017, 0001416023, 0001416024, 0001416026, 0001416028, 0001417001,

0001417028, 0001417036, 9000084016

99.0220.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Capri (1.3), Capri (1.6), Capri II, Escort (1.1), Escort (1.3), Granada, Taunus (1.3), Taunus (1.6)

OEM *ORIGINAL*

Bosch 1006209437, 2006209321 | **Cargo** 130412 | **Ford** 71BB11350DA | **Italacciai** SD447 | **Lester** 16405 | **Magneti Marelli** 940113020053, AMB0053 | **Stemot** 11437 | **Visnova** 224244 | **WAI** 5491166

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208049, 0001211206, 0001211989

99.0221.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 220 (L4 2.2L 2197cc 134cid Gasolina / Gasoline, 1968~1973), 220 (L4 2.2L 2197cc Gasolina / Gasoline, 1968~1973), 220D (L4 2.2L 2197cc 134cid Gasolina / Gasoline, 1968~1973), 220D (L4 2.2L 2197cc Gasolina / Gasoline, 1968~1973), 230 (L4 2.3L 2307cc Gasolina / Gasoline, 1974~1978), 230 (L6 2.3L 2306cc 141cid Gasolina / Gasoline, 1968~1969), 230S (L6 2.3L 2306cc 141cid Gasolina / Gasoline, 1968~1969), 230SL (L6 2.3L 2306cc 141cid Gasolina / Gasoline, 1963~1967), 250 (L6 2.5L 2496cc 152cid Gasolina / Gasoline, 1968~1970), 250 (L6 2.8L 2778cc 169cid Gasolina / Gasoline, 1971~1973), 250 (L6 2.8L 2778cc Gasolina / Gasoline, 1971~1972), 250C (L6 2.8L 2778c 169cid Gasolina / Gasoline, 1969~1973), 250C (L6 2.8L 2778cc Gasolina / Gasoline, 1970~1972), 250S (L6 2.5L 2496cc 152cid Gasolina / Gasoline, 1966~1968), 250SE (L6 2.5L 2496cc 152cid Gasolina / Gasoline, 1966~1968), 250SEC (L6 2.5L 2496cc 152cid Gasolina / Gasoline, 1966~1968), 250SL (L6 2.5L 2496cc 152cid Gasolina / Gasoline, 1966~1968), 280 (L6 2.8L 2746cc Gasolina / Gasoline, 1973~1976), 280C (L6 2.8L 2746cc Gasolina / Gasoline, 1973~1976), 280CE (L6 2.8L 2746cc Gasolina / Gasoline, 1978~1980), 280CE (L6 2.8L 2778cc Gasolina / Gasoline, 1981), 280E (L6 2.8L 2746cc Gasolina / Gasoline, 1977~1980), 280E (L6 2.8L 2778cc Gasolina / Gasoline, 1981), 280S (L6 2.8L 2746cc Gasolina / Gasoline, 1975~1976), 280S (L6 2.8L 2778cc Gasolina / Gasoline, 1969~1971), 280SE (L6 2.8L 2746cc Gasolina / Gasoline, 1977~1980), 280SE (L6 2.8L 2778cc Gasolina / Gasoline, 1969~1972), 280SE (V8 3.5L 3504cc Gasolina / Gasoline, 1970), 280SE (V8 4.5L 4520cc Gasolina / Gasoline, 1972~1973), 280SEC (L6 2.8L 2778cc 169cid Gasolina /

Gasoline, 1969~1970), 280SEL (L6 2.8L 2778cc 169cid Gasolina / Gasoline, 1969~1971), 280SEL (L6 2.8L 2778cc Gasolina / Gasoline, 1969~1971), 280SEL (V8 4.5L 4520cc 276cid Gasolina / Gasoline, 1972~1973), 280SEL (V8 4.5L 4520cc Gasolina / Gasoline, 1972~1973), 280SL (L6 2.8L 2778cc 169cid Gasolina / Gasoline, 1969~1971), 280SL (L6 2.8L 2778cc Gasolina / Gasoline, 1969~1971), 300SEL (L6 2.8L 2778cc Gasolina / Gasoline, 1968~1969), 300SEL (L6 3.0L 183cid Gasolina / Gasoline, 1963~1967), 300SEL (L6 3.0L 2996cc 183cid Gasolina / Gasoline, 1963), 300SEL (L6 3.0L 2996cc 183cid Gasolina / Gasoline, 1965), 300SEL (V8 3.5L 3504cc Gasolina / Gasoline, 1970~1971), 300SEL (V8 4.5L 4520cc Gasolina / Gasoline, 1972~1973), 350SL (V8 4.5L 4520cc 276cid Gasolina / Gasoline, 1972), 350SL (V8 4.5L 4520cc Gasolina / Gasoline, 1972), 380SE (V8 3.8L 3839cc Gasolina / Gasoline, 1984~1985), 380SEC (V8 3.8L 3839cc Gasolina / Gasoline, 1982~1983), 380SEL (V8 3.8L 3839cc Gasolina / Gasoline, 1981~1983), 380SL (V8 3.8L 3839cc Gasolina / Gasoline, 1981~1985), 380SLC (V8 3.8L 3839cc Gasolina / Gasoline, 1981), 420SEL (V8 4.2L 4196cc Gasolina / Gasoline, 1986~1987), 450SE (V8 4.5L 4520cc Gasolina / Gasoline, 1973~1976), 450SEL (V8 4.5L 4520cc Gasolina / Gasoline, 1973~1976), 450SL (V8 4.5L 4520cc Gasolina / Gasoline, 1973~1976), 450SLC (V8 4.5L 4520cc Gasolina / Gasoline, 1973~1976), 500SEC (V8 5.0L 4973cc Gasolina / Gasoline, 1984~1985), 500SEL (V8 5.0L 4973cc Gasolina / Gasoline, 1984~1985), 560SEC (V8 5.6L 5547cc Gasolina / Gasoline, 1986~1987), 560SEL (V8 5.6L 5547cc Gasolina / Gasoline, 1986~1987), 560SL (V8 5.6L 5547cc Gasolina / Gasoline, 1986~1987)

OEM *ORIGINAL*

Bosch 1006209402, 2006209273 | **Italacciai** SD469 | **Lester** 16299, 16543 | **Lucas Indiel** TMB404 | **Mercedes-Benz** 0001515813

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001313003, 0001313004, 0001313005, 0001313006, 0001313007, 0001314002, 0001314005

99.0222.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Capri (1.3), Capri (1.6), Capri (2.0), Capri II, Escort (1986~1990), Escort (1.1), Escort (1.3), Escort (1.6), Escort (RS 1600), Escort (RS 2000), Fiesta (1.1), Fiesta (1.3), Fiesta (1.6), Fiesta (XR2), Granada, Taunus (1975~1982), Taunus (1.3), Taunus (1.6), Taunus (2.0), Transit (1.6), Transit (2.0)

OEM *ORIGINAL*

Bosch 1006209429 | **Cargo** 130400 | **Delco Remy** 12300869, F2006 | **Ford** 77FB11350BA, D8RZ11350A, SDE308 | **Italacciai** SD137 | **Lester** 16405, 16530, 16595 | **Lucas Indiel** 223486 | **Magneti Marelli** 940113020055, AMB0055 | **Stemot** 11429 | **Visnova** 324212 | **WAI** 549131

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208220, 0001208223, 0001208232, 0001208409, 0001208423, 0001211227, 0001211228, 0001211239, 0001311113

99.0223.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**68.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 2600, 2600 (TT) | **Audi** 1000 SP, F102 | **BMW** 1500, 1502, 1600, 1602, 1800, 1800TI, 1802, 2000, 2002, 2002 (Turbo), 2500, 2800, 3000, 316, 318, 320, 320i, 3300, 518, 520, 520i, 525, 528, 528i, 728 | **DAF** 33, 34, 44 | **Ford** Taunus 12M, Taunus 15M, Taunus 17M, Taunus Transit (Feka), Transit 100, Transit 1250, Transit 1500, Transit 800 | **Guldner** Hydrocar T3K | **Hanomag** F20, F25, F30, F35, F36, Perfekt 300, Perfekt 400, Perfekt 401 | **Hatz** E95, Z95 | **Kawasaki** 33, 34 | **KHD** D25, D2505, D30, D3005, D30S, F2L712, F2L812 | **Landini** 3000 | **Mercedes-Benz** L206, L207, L306, L307 | **Opel** Blitz (1.9), Kapitan P, Rekord P II | **Porsche** 33.1, 616 | **Same** Italia 35, Sametto

OEM *ORIGINAL*

Bosch 1006209030, 1006209032, 1006209039, 1006209049, 1006209056, 1006209071, 1006209105, 1006209110, 1006209140, 2006208013, 9003336212 | **Italacciai** SD306 | **Lester** 16320, 16334, 16336, 16344, 16356, 16362, 16442, 16687, 17414 | **Lucas Indiel** 223320

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001207003, 0001207006, 0001207012, 0001207014, 0001207015, 0001208004, 0001208006, 0001208007, 0001208032, 0001209001, 0001209006, 0001209014, 0001211020, 0001214001, 0001310005, 0001310010, 0001310013, 0001311007, 0001311016, 0001311025, 0001311045

99.0225.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**92.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Alfetta (2.0 Turbo Diesel) | **Carraro** Victory 2500, Victory 3500, Victory 4500 | **Claas** Consul, Cosmos, Europa | **KHD** D4006, D5006, D6006, D7006, F1L410, F2L410, F2L411, F3L912, FHL912 | **Lamborghini** 503DT, 603DT, R503, R603 | **Lombardini** LDA672, LDA673, LDA674, LDA832, LDA833, LDA834 | **Poclain** FC30, FY30, TC45, TY2P

OEM *ORIGINAL*

Bosch 2006209071, 2006209366, 2006209386, 2006209916 | **Cargo** 132367 | **Fiat** 8122123 | **Italacciai** SD013 | **Krauf** SDB2367 | **Lester** 17074, 17112 | **Magneti Marelli** 940113020058, AMB0058

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001358017, 0001358038, 0001358046, 0001358047

99.0227.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 220B, 220SB, 220SEB | **Volvo** 100100, 100200, 121, 122, 123, 144, 210, 221, AQ90, AQ95, C303, C304, C306, P1800S

OEM *ORIGINAL*

Bosch 2006209021, 2006209032, 2006209181, 2006209902, 9003336212 | **Femsa** 150534 | **Italacciai** SD415

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001203016, 0001305016, 0001308006, 0001354010, 0001354029, 0001354034, 0001354036, 0001354040, 0001354046, 0001354049, 0001354065, 0001355004

99.0228.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**71.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 100 5D (2.0 TD) | **Mercedes-Benz** 180D (2.5), 200D, 207D, 209D, 220D, 240D, 240D (3.0), 240GD, 240TD, 300CD, 300D, 300GD, 300SD, 300TD, 307D, 309D, 407D, 409D, D206, D306, DG206, DG306, L206, L306, L407D, O309D, U5260, U600 | **Volkswagen** LT28, LT31, LT35, LT40, LT45, LT50D | **Volvo** 240D5, 240D6, 760 (TD)

OEM *ORIGINAL*

Bosch 2006209471, 2006209500 | **Cargo** 130414 | **Iskra** 16900920 | **Italacciai** SD060, SD307 | **Lester** 16445, 16949, 16957, 16999 | **Lucas** TMB471 | **Lucas Indiel** 223222

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362038, 0001362047, 0001362069, 0001362070, 0001362077, 0001362078, 0001362083, 0001362600, 0001362601, 0001362605, 9000143408 **| Iskra** 11130300

99.0229.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Kombi, Transporter (1.6), Transporter (1.9), Transporter (2.0), Vanagon Bus (H4 2.1 Gasolina / Gasoline, 1986), Vanagon Campmobile (H4 1.9 Gasolina / Gasoline, 1983), Vanagon Campmobile (H4 1.9 Gasolina / Gasoline, 1984), Vanagon Campmobile (H4 1.9 Gasolina / Gasoline, 1985), Vanagon Campmobile (H4 2.1 Gasolina / Gasoline, 1986), Vanagon Kombi (H4 1.9 Gasolina / Gasoline, 1984), Vanagon Kombi (H4 1.9 Gasolina / Gasoline, 1985), Vanagon Kombi (H4 2.1 Gasolina / Gasoline, 1986), Westfalia

OEM *ORIGINAL*

Bosch 1006209423, 9001042013, 9001042032 **| Cargo** 130995 **| Italacciai** SD453 **| Lester** 16401, 16546, 16722, 17066 **| Lucas** TMB439 **| Volkswagen** 091911335 **| WAI** 549133

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001211221, 0001211222, 0001211251, 0001211252, 0001211253, 0001211254

99.0238.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Sierra (2.3), Taunus (2.0), Taunus (2.3)

OEM *ORIGINAL*

Bosch 1987BE0029 **| Lucas Indiel** 227339, 35256777

99.0243.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Opel Ascona, Blitz, Kadett, Kadett C, Manta, Omega (2.0), Rekord C, Vectra (2.0)

OEM *ORIGINAL*

Bendix 344511 | **Cargo** 130465 | **Delco Remy** 3471040, 3471490, 3471912, DR2000, DR2001, DR2003 | **Lester** 16443 | **Lucas Indiel** 223223 | **Opel** 1203165 | **WAI** 54188

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 3471141, 3471143, 3471144

99.0244.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Aro | **Renault** R12, R15, R17, R5, R6, R8 | **Volvo** Especial / Special

OEM *ORIGINAL*

Bendix 286942, 293398, 294698, 295883, 297440, 303300, 303710, 305949, 307049, 309008 | **Bosch** 1987BE0006 | **Ducellier** 018678, 019567, 532000, 532001, 532017, 606416, 609477, 611736, 6162, 6183CFG, 6187, 6203, 6206, 6224, 6227AB, 6227CD, 6231ABD, 681380 | **Italacciai** SD158 | **Lester** 16488 | **Lucas Indiel** 35255553, 35257326 | **Valeo** 681380, NE325

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 532000AB, 532001AB, 532017A, 6178ABCEF, 6183CFG, 6203ABCD, 6206AB, 6224BCD, 6227ABCD, 6231ABC | **Italacciai** 006162E

99.0248.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**59.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault R12, R12 (Canada), R18, R4, R5, R5 (USA), R6, Trafic

OEM *ORIGINAL*

Bendix 325231 | **Cargo** 130759 | **Italacciai** SD324 | **Lester** 16488, 16597, 16755 | **Lucas Indiel** 223224 | **Paris Rhone** 076980, 093623, 097062 | **Renault** 7701016641 | **Valeo** 325231, 76980, 93623, 96980, 97062, 97064, A097062A, NE184

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D8E081 | **Paris Rhone** D8E121, D8E142, D8E152, D8E81, D9E12, D9E20, D9E22, D9E26, D9E34, D9E35, D9E37, D9E41

99.0286.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**100.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Perkins 540 (V8, 1983→)

OEM *ORIGINAL*

Italacciai SD076 | **Lester** 16669, 16984, 17644, 17648, 17654, 18262 | **Lucas** 54243781, 54246662, 60600050, TMB102 | **Lucas Indiel** 223226

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26234K, 26336A/R, 26337A/H, 26349A/H, 26363A/J, 26367A/D, 26382A/B, 26384A/B, 26389A/D, 26398A/H, 26416A/E, 26420A/B, 26421A/B, 26428A/B, 26429A/B, 26433A/B, 26435A/B

99.0287.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 405, 504, 505 | **Renault** R19 (Motor Valeo)

OEM *ORIGINAL*

Bosch 1987BE0030 | **Fiat** 9405835568 | **Italacciai** SD318 | **Lester** 16619, 16756, 16797, 17144, 17157 | **Lucas Indiel** 221263, TMB263 | **Paris Rhone** 013610, 099931 | **Valeo** 099931, 184917, NE197

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Paris Rhone D9E100, D9E101, D9E109, D9E110, D9E113, D9E114, D9E123, D9E124, D9E125, D9E127, D9E129, D9E36, D9E38, D9E39, D9E46, D9E48, D9E49, D9E52, D9E54, D9E55, D9E56, D9E61, D9E62, D9E66, D9E68, D9E69, D9E70, D9E74, D9E76, D9E77, D9E771, D9E773, D9E78, D9E79, D9E81, D9E85, D9E86 | **Valeo** D9E123

99.0291.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 30, 32, 35, 40 (AR8) | **Fiat** 131 (2.0 D), 131 (2.5 D), 132 (2.0 D), 132 (2.5 D), 241TN, 40NC, 465C, 466 (DT), 480 (DT), 500, 500 (DT), 505, 505C, 505S, 50F8, 50NC, 540, 540 (DT), 55F8, 55NC, 565C, 566 (DT), 570, 570 (DT), 580, 580 (DT), 60F8, 616N3 / 4, 625N3P, Argenta (2.5), BIM20, BIM25, Campagnola (Diesel), Marengo (2.5 D), R450 | **Fiat Iveco** Daily Furgão, Ducato 10 (2.5 D), Ducato 13 (2.5 D)

OEM *ORIGINAL*

Bosch 2006209470, 2006209483, 9001451343, F002G20279 | **Fiat** 79026090, 9936730, 9937949, 9956676, 9983629 | **Italacciai** SD184 | **Lucas Indiel** 223227

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362039, 0001362062, 0001362073, 0001362102, 0001362322, 0001362323, 0001363111, 0001363122

99.0292.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge 600 (2.2 Turbo) | **General Motors/Chevrolet** Blazer

OEM *ORIGINAL*

Bosch 1006209475, 1006209477, 9001042100 | **Cargo** 135796 | **Chrysler** 5213384 | **Lester** 16727, 16974 | **Lucas Indiel** 223321 | **WAI** 549102

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 4226833, 4240404, 4339472, 4339474, 5213045, 5213450, 5226441, 5226442

99.0293.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford 100 (1.5), Belina (Motor CHT), Corcel II (Motor CHT), Del Rey Scala (Motor CHT), Escort (1.3 Motor CHT), Escort (1.6 Motor CHT), FT100, FT125, FT130, FT150, FT175, FT190 (1.7), FT75, Pampa (Todos / All) (Motor CHT) | **Volkswagen** Gol (1.8 Álcool / Alcohol), Gol (1.8 Gasolina / Gasoline), Santana (1.8 Álcool / Alcohol), Santana (1.8 Gasolina / Gasoline), Saveiro (1.8 Álcool / Alcohol), Saveiro (1.8 Gasolina / Gasoline)

OEM *ORIGINAL*

Bosch 9001451249, 9001451251 | **Lucas Indiel** 223228, TWB251 | **Volkswagen** BD5M11350A, ZBC911335A | **Wapsa** 224051, 224053

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000451001, 9000451010, 9000451017, 9000451024 | **Wapsa** MWB23, MWB25

99.0294.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Puma Puma GT (Motor VW, 05/1981→) | **Volkswagen** Brasilia (Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1981), Gol (Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1981), Kombi (Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1981), Saveiro (Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1982), Sedan (1.3 Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1983), Sedan (1.5 Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1983), Sedan (1.6 Refrigerado a ar / Air-cooled / Refrigerado por aire, 05/1981~06/1983)

OEM *ORIGINAL*

Lucas TWB2520 | **Wapsa** 224052

99.0300.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 2500, 2800, 3000, 3300, 525, 528, 530, 630, 635, 663, 728, 730, 732, 733, 735, 745, M 535i | **Ferrari** 733 | **Lombardini** 904, 914 | **Mazda** 323 (1.6)

OEM *ORIGINAL*

BMW 12411354575 | **Bosch** 1006209081, 1006209444, 9001693029 | **Cargo** 130402 | **Italacciai** SD451 | **Lester** 16362 | **WAI** 549182

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001311042, 0001314001

99.0301.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Daily 28.8, Daily 30.8, Daily 35.8, Daily 40.8, Daily N100, Daily N110, Daily N40, Daily N40.35, Daily N50, Daily N55, Daily N60, Daily N65

OEM *ORIGINAL*

Bosch 2006209341 **| Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18032, 18111, 18229, 18237

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001358049, 0001359012, 0001359014, 0001359025, 0001359027, 0001359043

99.0302.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson E7C, MF 155, MF 158, MF 168, MF 186, MF 187, MF 188, MF 487, MF 507, MF 510, MF 520, MF 525, MF 87, SC50, SM6A, SM6B, SM6C, SM7, SM8, SM8TU **| Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor **| Volvo** Especial / Special

OEM *ORIGINAL*

Bosch 2006209111, 2006209305, 2006209345 **| Cargo** 135801 **| Magneti Marelli** 940113020028, 940113020076, AMB0028, AMB0076 **| Visnova** 324271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359002, 0001359008, 0001359009, 0001359011, 0001359020, 0001359034, 0001360013, 0001360020, 90000143101

99.0304.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere 1020U, 1630 VU, 2030OU, JD300, JD310, JD350, JD400, JD450, MD1020, MD1120, MD1530, MD1630, MD1830, MD2030, MD2130, MD290, MD3130, MD330, MD820, MD820VU, MD830, MD925, MD935, MD940, MD942, MD945, MD950, MD952, MD955, MD960, MD965, MD968, MD969, MD970, MD975 | **Müeller** 1020 OU, 1020 VU, 1630, 2030 OU, JD300, JD310, JD350, JD400, JD450, MD1020, MD1120, MD1530, MD1630, MD1830, MD2030, MD2130, MD3130, MD820, MD820 VU, MD830, MD920, MD925, MD930, MD935, MD940, MD942, MD945, MD950, MD952, MD955, MD960, MD965, MD968, MD969 | **Zanello** Trator / Tractor (Motor Cummins)

OEM *ORIGINAL*

Bosch 2006209200, 2006209201, 2006209306, 2006209346 | **Cargo** 132697 | **Italacciai** SD018 | **John Deere** AT25910 | **Lucas Indiel** 223555, TNB411 | **WAI** 5491142

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359016

99.0307.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Alfasud (1.2), Alfasud (1.5), Alfetta (1.6), Alfetta (1.8), Giulia Super (1.3), Giulia Super (1.6), GT Junior, GT Veloce 2000 | **Ford** Capri (1.3), Capri (1.5), Capri (2.0), Consul (1.7), Granada (1.7), Granada (2.0 V6), Taunus (2.0 V6) | **Mercedes-Benz** 220, 230, 280

OEM *ORIGINAL*

Bosch 1006209403, 2006209163 | **Italacciai** SD449 | **Lester** 16299, 16401, 16532, 16539, 16688

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208040, 0001208055, 0001211025, 0001211987, 0001211988, 0001211995, 0001211996

99.0308.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

ABG Alexander 126 (F3L912 Deutz Diesel, 1968~1976), Alexander 126H (F3L912 Deutz Diesel, 1976~1982), Alexander 128 (F4L912 Deutz Diesel, 1976~1982), Alexander 128G (F4L912 Deutz Diesel, 1976~1982), BV 590 (F4L912 Deutz Diesel, 1969~1980), MAW 172 (F4L912 Deutz Diesel, 1969~1980), MAW 172S (F4L912 Deutz Diesel, 1969~1980), Maw 173 (F4L912 Deutz Diesel, 1969~1980), MAW 173S (F4L912 Deutz Diesel, 1969~1980), Puma 168 (F3L912 Deutz Diesel, 1976~1982), Puma 168A (F3L912 Deutz Diesel, 1976~1982), Puma 177 (F6L912 Deutz Diesel, 1976~1982), Puma 177V (F6L912 Deutz Diesel, 1976~1982), Puma 177VS (F6L912 Deutz Diesel, 1976~1982), Puma 178 (F6L912 Deutz Diesel, 1976~1982), Titan 300 (F6L912 Deutz Diesel, 1967~1971), VAS 512 (F3L912 Deutz Diesel, 1969~1980), WZ 172 (F4L912 Deutz Diesel, 1969~1980), WZ 172S (F4L912 Deutz Diesel, 1969~1980) | **Carraro** Tigrone 625 | **Claas** Consul (Deutz F4L912, 1967~1974), Corsar (Deutz F4L912, 1974~1975), Cosmos (Deutz F4L912, 1967~1972), Europa (Deutz F4L912, 1967~1972), Mercator (Deutz F4L912, 1968~1972), Mercator 50 (Deutz F4L912, 1973~1974), Mercator 60 (Deutz F6L912, 1973~1981), Mercator 70 (Deutz F6L912, 1973~1974), Mercator 75R (Deutz F6L912, 1974~1981), Mercur (Deutz F4L912, 1967~1972), Senator (Deutz F6L912, 1966~1972) | **Deutz** F3L911 (2.5L 2460cc, 1967~1970), F4L911 (3.3L 3280cc, 1971~1973), F4L912 (3.8L 3770cc, 1971~1972) | **Fiat Allis** 1300, 1300 (DT), 850, 850 (T) | **Massey Ferguson** 450B, 450C, MF 33B | **Palmieri** 1500 (GN 80), 1500 (GN 95), 1800 (GN 110), 1800 (GN 90) | **Poclain** FC30, LC80, LY80, MCL84 | **Steyr Puch** 1000, 1200, 586, 590, 690

OEM *ORIGINAL*

Bosch 2006209406, 2006209422 | **Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18029, 18030, 18032, 18033, 18111, 18229, 18237

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bomag 5710901, 5710903, 5710905, 5710919, 5710927, 5710930, 5719897 | **Bosch** 0001359077, 0001364100, 0001364105, 0001365004 | **Case** E010372 | **Deutz** 1161422, 1172099, 1302023, B17R24X4 | **Fiat** 42522942 | **IHC** 3144932R92 | **John Deere** SE501414 | **KHD** 1161420, 1161422, 1163626, 1163669, 1163758, 1172099, 1301833, 1302023 | **Liebherr** 6200827 | **Mack Truck** 8MJ4167 | **Massey Ferguson** 114939701, 114939702 | **Navistar** 3144932R92 | **Orenstein & Koppel** 6209190 | **Renault** 5000046311, 5000240884, 7700525547 | **Scania** 183868, 188486 | **Steyr** 6090926 | **Volvo** 240847, 241599, 243007, 243043, 243326, 4785539, 4785541

99.0310.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 30AR8, 32AR8, 35AR8, 40AR8 | **Fiat** 241TN, 450, 450 (DT), 500, 500 (DT), 540, 540 (DT), 616N3, 616N3 / 4, 625N3 | **Fiat Iveco** Daily

OEM *ORIGINAL*

Bosch 2006209240, 2006209330, 2006209418, 2006209448 | **Cargo** 130931 | **Fiat** 79026236, 8997796, 9934739, 9934977, 9957820 | **Italacciai** SD123 | **Lester** 17093, 18031 | **Lucas Indiel** 223561 | **WAI** 5491173

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362032, 0001363101

99.0311.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.10**

OEM *ORIGINAL*

Bosch 2006209336 | **Italacciai** SD347

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362016, 0001362017, 0001362021

99.0312.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD F2L912, F3L912 | **Lamborghini** R240 (DT), R350 (DT) | **Valmet** 103, 104SU, 1051, 1052, 1053, 1054, 1056SU, 1056SV, 112, 113 DAN, 395SV

OEM *ORIGINAL*

Bosch 2006209246 | **Italacciai** SD347 | **Lester** 17075, 17105

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362012, 0001362013, 0001362016, 0001362017, 0001362021, 0001362024, 0001362033, 0001363002

99.0313.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford A0406, A0506, FT100, FT120, FT130, FT160, FT190

OEM *ORIGINAL*

Bosch 2006209407, 2006209437, 2006209737 | **Cargo** 131711 | **Ford** 1543610, 715F11350CA | **Italacciai** SD315 | **Lucas** TMB473

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001358201, 0001358202

99.0315.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Aifo 8060.02.811, 8061.04.050, 8065.02.000 | **Fiat** Ônibus / Bus / Ómnibus 140, Ônibus / Bus / Ómnibus 80 | **Fiat Allis** 1000, 1180, 1380, 1580, 980 | **Fiat Iveco** Caminhão / Truck / Camión 1000, Caminhão / Truck / Camión 120 (E), Caminhão / Truck / Camión 150, Caminhão / Truck / Camión 150 (T), Caminhão / Truck / Camión 160 (E), Caminhão / Truck / Camión 160 (T), Caminhão / Truck / Camión 605 (C), Caminhão / Truck / Camión 640, Caminhão / Truck / Camión 680, Caminhão / Truck / Camión 780, Caminhão / Truck / Camión 805 | **New Holland** Colheitadeira / Combine / Cosechadora TC55 (11/1997→), Colheitadeira / Combine / Cosechadora TC57 (11/1997→), Colheitadeira / Combine / Cosechadora TC59 (11/1997→), Trator / Tractor Gamalta

OEM *ORIGINAL*

Bosch 2006209118, 2006209122, 2006209303, 2006209343, 2006209406, 2006209417, 2006209421, 2006209422, 2006209446, 2006209447, 9001083406, 9001083436, 9001083502, 9002453073, 9002456073 | **Cargo** 131381 | **Delco Remy** 19024519 | **Fiat** 79028900, 79028909, 79034657, 9008243, 9918347, 9926112, 9928303, 9935164,

9935981, 9956681, 9957919, 9958529, 99811565, 9981565, 9983628 | **Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18029, 18030, 18032, 18033, 18111, 18229, 18237 | **Lucas Indiel** 223231 | **Magneti Marelli** 8122129, 940113020083 | **Stemot** 12417

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359122, 0001360043, 0001360063, 9000083043, 9000453088, 9000453090, 9000453091 | **Fiat** 4169095, 4169096, 4682999

99.0318.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD 411D, 411W, D2506, D3006, F1L410 | **Lamborghini** 221, 230, 321, 340, 350, 431, 452, 523, 624, Espada, Islero (400 GTS), Miura (P400)

OEM *ORIGINAL*

Bosch 2006209086, 2006209095, 2006209215, 2006209229 | **Italacciai** SD346

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354080, 0001354082, 0001354088, 0001354091, 0001354092, 0001354093, 0001354097, 0001354099, 0001354100, 0001354103, 0001355014, 0001355015

99.0319.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 200 (D), 220 (D), 240 (D), 240 (D 3.0), 240 (TD), 300 (CD), 300 (D), 300 (SD), 300 (T), 300 (TD), D206, DG206, L206, L306 (D), L306 (DG), L406 (DG), L407 (D), O309 (D), U52421, U5260, U60421

OEM *ORIGINAL*

Bosch 2006209241, 2006209331 | **Italacciai** SD012 | **Lester** 16445, 16715 | **Lucas** TMB427 | **Lucas Indiel** 223232

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362001, 0001362002, 0001362003, 0001362004, 0001362027, 0001362028, 0001362029, 0001362030

99.0320.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Opel Ascona (2.0 D), Rekord (2.0 D), Rekord (2.1 D), Rekord (2.3 D)

OEM *ORIGINAL*

Bosch 2006209478 | **Italacciai** SD342 | **Lucas Indiel** 223569

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362037, 0001362071 | **Italacciai** 26208A

99.0322.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford 2000, 3000, 4000, 5000, 7000

OEM *ORIGINAL*

Cargo 130450 | **Ford** C5NF11350C, D2NN11350N | **Lester** 16608 | **Lucas Indiel** 54246724, 54246989, 54256984, 54259800, TMB104 | **Magneti Marelli** 940113020087, AMB0087 | **WAI** 549205

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26208A/E, 26208AEM45, 26211, 26211A/L, 26211ALM50, 26338, 26339, 26395, S5012

99.0323.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort Ghia, Guarujá, Verona (GLX), XR3 | **Gurgel** BR-800, Especial / Special (TR 1.6), Tocantins (L) | **Porsche** 914 | **Tiete** Motor Estacionário / Stationary Motor / Motor Estacionario RD900 (09/1992→), Motor Estacionário / Stationary Motor / Motor Estacionario RD900L (09/1992→), Motor Estacionário / Stationary Motor / Motor Estacionario RD950 (09/1992→), Motor Estacionário / Stationary Motor / Motor Estacionario RD950L (09/1992→) | **Volkswagen** 1200, 127, 1300, 1302, 1303, 1500, 1600, 181, 411, 412, Apollo (GL AP 1.8), Apollo (GLS AP 1.8), Golf (1.5 D), Golf Custom (L4 1.8 Gasolina / Gasoline, 1986), Golf GL (L4 1.8 Gasolina / Gasoline, 1991), Golf GT (L4 1.8 Gasolina / Gasoline, 1988), Golf GTI (16V L4 1.8 Gasolina / Gasoline, 1989), Golf GTI (8V L4 1.8 Gasolina / Gasoline, 1991), Golf GTI (L4 1.8 Gasolina / Gasoline, 1987), Jetta, Jetta (Deluxe L4 1.8 Gasolina / Gasoline, 1987), Jetta (GLI 16V L4 1.8 Gasolina / Gasoline, 1987), Jetta (GLI L4 1.8 Gasolina / Gasoline, 1987), Passat (1.6), Rabbit (Deluxe L4 1.7 Gasolina / Gasoline, 1983), Rabbit (Diesel), Rabbit (L Costum L4 1.7 Gasolina / Gasoline, 1982), Rabbit (L L4 1.7 Gasolina / Gasoline, 1984), Rabbit (LS Deluxe L4 1.7 Gasolina / Gasoline, 1982), Scirocco, Scirocco (16V L4 1.8 Gasolina / Gasoline, 1987), Scirocco (Deluxe L4 1.8 Gasolina / Gasoline, 1987), Transporter (1.3), Transporter (1.7), Transporter (1.8)

OEM *ORIGINAL*

Bosch 1006209424, 9001082669 | **Chrysler** 5206624, CH1930 | **Delco Remy** 12300871, C2004 | **Italacciai** SD450, SD466 | **Lester** 16362, 16418, 16547, 16556, 17025, 17134 | **Lucas Indiel** 221411, TMB411 | **Volkswagen** 055911335B | **WAI** 549100

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208411, 0001208412, 0001208416, 0001208417, 0001208418, 0001211223, 0001211224, 0001211255, 0001211256, 0001211257, 0001211258, 0001211992, 0001211993, 0001211998, 0001314012, 0001314013, 9000082062

99.0325.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW R100, R45, R60, R65, R75, R80 | **Fiat** 128 (1.1), 128 (1.3), 131 Mirafiori (1.3), X1 / 9 (1.3) | **Opel** Ascona (1.2), D (1.0), D (1.2), Kadett (1.0), Kadett (1.2), Manta A (B12) | **Renault** GTL, R 6TL, R 7TL, R12, R4, R5, TL, TS (Turbo), TX | **Seat** 1200 Sport, 124 (D 1430), 124 (D Especial / Special 1.2), 124 (D Especial / Special 1.4), 127 (0.9), 131, 131L

(1430), Ritmo 65, Ritmo 75, Supermirafiori (1430), Terra

OEM *ORIGINAL*

Bosch 1006209401, 1006209445 | **Fiat** 9934752 | **Italacciai** SD055, SD496 | **Lester** 16438 | **Lucas Indiel** 223573

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001157013, 0001157021, 0001157023, 0001212006, 9000141100, 9000141101, 9000141103, 9000141107, 9000141108, 9000141111, 9000141112, 9000141114, 9000334104

99.0327.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**86.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Delta (1.5), Delta (2.0), Rocky (1.6), Taft (1.6), Wildcat (1.6) | **Honda** Accord (1.6) | **Toyota** Carina (1.6), Carina (2.0), Celica (1.6), Celica (2.0), Corolla, Corona (1.6), Corona (1.8), Corona (2.0), Corona (2.3), Crown, Delta, Dyna, Hiace, Hilux, Mark II, Sprinter (1.6)

OEM *ORIGINAL*

Bosch 1987BE0032 | **Daihatsu** 2801140014, 2801141011, 2801141012 | **Honda** 31207657006, 31207PA0006 | **Isuzu** 8942391070 | **Italacciai** SD181 | **Lester** 16217, 16218, 16220, 16223 | **Mitsubishi** MD602059, MD602678 | **Nippondenso** 0283000800, 0283000801, 028300085, 0283001690, 028300800 | **Toyota** 2801122021, 2801125012, 2801125020, 2801141010, 2801141011, 2801141012, 2801141020

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 31200657006, 31200657016, 31200657025 | **Italacciai** 280002572 | **Nippondenso** 0280001010, 0280001940, 0280001941, 0280001970, 0280001971, 0280001972, 0280001973, 0280001975, 0280001976, 0280002000, 0280002001, 0280002250, 0280002260, 0280002261, 0280002262, 0280002263, 0280002330, 0280002570, 0280002571, 0280002572, 0280003051, 0280003052, 0280003100, 0280003710, 0280003920, 0280003921, 0280004270, 0280004440, 0280004480, 0280004580, 0280004640, 0280004810, 0280004820, 0280004822, 0280004980, 0280005430, 0280005470, 0280006100, 028004822 | **Toyota** 28100045033, 2810026031, 2810033011, 2810036020, 2810036040, 2810040011, 2810040012, 2810040013, 2810040015, 2810040041, 2810041013, 2810041020, 2810042010, 2810042020, 2810042021, 2810045020, 2810045021, 2810045033, 2810046040, 2810047020

99.0328.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Brasilia (Refrigerado a ar / Air-cooled / Refrigerado por aire, 07/1981→), Gol (Refrigerado a ar / Air-cooled / Refrigerado por aire, 07/1981→), Kombi (Refrigerado a ar / Air-cooled / Refrigerado por aire, 07/1981→), Saveiro (Refrigerado a ar / Air-cooled / Refrigerado por aire, 07/1981→)

OEM *ORIGINAL*

Bosch 9001451247 | **Lucas** TWB247 | **Volkswagen** 1119113356 | **Wapsa** 224047

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000451004, 9000451012 | **Wapsa** MWB18, MWB21

99.0329.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol (C-Refrigerado a ar / Air-cooled / Refrigerado por aire), Gol (CL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Gol (GL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Parati (C-Refrigerado a ar / Air-cooled / Refrigerado por aire), Parati (CL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Parati (GL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Passat (Refrigerado a ar / Air-cooled / Refrigerado por aire, 1.5), Passat (Refrigerado a ar / Air-cooled / Refrigerado por aire, 1.6), Saveiro (CL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Saveiro (GL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Voyage (C-Refrigerado a ar / Air-cooled / Refrigerado por aire), Voyage (CL-Refrigerado a ar / Air-cooled / Refrigerado por aire), Voyage (GL-Refrigerado a ar / Air-cooled / Refrigerado por aire)

OEM *ORIGINAL*

Bosch 9001451252 | **Lucas** TWB246 | **Volkswagen** ZBA911335A | **Wapsa** 224046

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000451011 **| Wapsa** MWB19

99.0340.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Datsun 280 ZX **| Ford** Laser

OEM *ORIGINAL*

Lester 16245 **| Lucas Indiel** 223235 **| Mitsubishi** K309

99.0341.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**86.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Especial / Special **| Subaru** A11

OEM *ORIGINAL*

Lester 16468, 16696, 17058 **| Lucas Indiel** 223585 **| Mazda** 060423710, 134624709 **| Mitsubishi** MD604047 **| Nippondenso** 0283000830, 0283000831, 0283003320, 0283003321 **| Subaru** 492097002, 892094112, 892096102 **| Toyota** 2801187704

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda 134518400, 60418400, 60518400 **| Nippondenso** 0280002040, 0280002041, 0280002042, 0280002160, 0280002161, 0280002970, 0280004721, 0280005270, 0280005420, 0280005720, 0280005750, 0280006520 **| Subaru** 829914120, 829918600 **| Toyota** 2810087701, 2810087702

99.0342.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**27.60**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**86.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier

OEM *ORIGINAL*

Ford D77Z11350A, SDE307 | **Lester** 16254, 16272 | **Nippondenso** 0283001870

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford D77Z11002A, D77Z11002B, E17Z11002B, E17Z11002C, SAE715, SAE715A, SAE716, SAE716A | **Nippondenso** 0280005220, 0280005230, 0280008110, 0280008120

99.0348.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kubota Micro Trator / Micro Tractor Tobatta M140N | **Volkswagen** Kombi (Motor Passat Diesel), Saveiro (Diesel), Senda (Diesel)

OEM *ORIGINAL*

Bosch 9001452088 | **Lucas Indiel** 223117 | **Volkswagen** 3059112875 | **Wapsa** 224048

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000452003 | **Wapsa** MWB17

99.0349.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Accord (1600, 1599cc, 1976~1982), Civic (1200, 1972~1981), Civic (1250, 1973~1979) | **Isuzu** Mark I (L4 1.8L 1817cc Gasolina / Gasoline, 1981~1985), Pick Up (L4 1.8L 1817cc, 1981~1982) | **Yanmar Marine** 1GM (1981~1989), 1GM (1 cil / cyl 19.41ci 0.318L Diesel, 1980~1984), 1GM10 (1 cil / cyl 19.41ci 0.318L Diesel, 1982~1990), 1GM10C (1 cil / cyl 19.41ci 0.318L Diesel, 1982~1984), 2GM (1981~1989), 2GM (2 cil / cyl Diesel, 1980~1984), 2GM20 (2 cil / cyl 38.81ci 0.636L Diesel, 1982~1990), 2GMF (2 cil / cyl Diesel, 1980~1984), 3GM (1981~1989), 3GM (3 cil / cyl Diesel, 1980~1984), 3GM30 (3 cil / cyl Diesel, 1982~1990), 3GMD (3 cil / cyl Diesel, 1982~1990), 3GMF (3 cil / cyl Diesel, 1982~1990), KM2A 0000, KM2C 0000, KM3A 0000, KM3P 0000, KM3V 0000, MK2P 0000

OEM *ORIGINAL*

Bosch 1987BE0033 | **General Motors/Chevrolet** 94233227 | **Hitachi** 211455004, 211465001 | **Honda** 31207634005 | **Isuzu** 8942332270, 8942332770 | **Italacciai** SD149 | **Lester** 16205, 16207, 16211, 16270, 16499 | **Nissan** 23300H6000, 23312E6700, 23312H5000, 23312H5001, 23312H6700, 23312H6900

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S10863, S10889, S114140, S114141, S114149, S114160, S114160A, S114160B, S114160D, S114160E, S114160F, S114162, S114162C, S114162D, S114163, S114163B, S114163E, S114164, S114210, S114211, S114227, S114271 | **Honda** 31200634005, 31200634670, 31200634671, 31200634811, 31200657005, 31200657015, 31200657025, 31200673015, 31200679035, 31200679052 | **Isuzu** 8942226880 | **Italacciai** S114140 | **Nissan** 2330009601, 233005002, 233006900, 23300B500, 23300B5000, 23300B5002, 23300H5001, 23300H5002, 23300H5003, 23300H5004, 23300H5300, 23300H5400, 23300H6900, 23300H6901, 23300H6902, 23300H6903, 23300H6904, 23300H7300, 23300H7301, 23300H7302, 23330H6901, NFG101D11

99.0351.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Chevy Luv, S10 (Importada / Imported) | **Isuzu** Datsun | **New Holland** Trator / Tractor

OEM *ORIGINAL*

Bosch 1987BE0007 | **General Motors/Chevrolet** 94208296 | **Hitachi** 211445004, 211445007, 211475001, 2114N3550 | **Isuzu** 8942082960, 8942082961 | **Italacciai** SD151 | **Lester** 16194, 16203, 16246, 16270, 16711, 16773, 16877 | **Lucas Indiel** 223322 | **Nissan** 23312E6800, 23312E6801, 23312N3300, 23312U6000, 23312V6000, 23312Y0700

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 94022494 | **Hitachi** S114126, S114126L, S114126M, S114170, S114170B, S114170E, S114171, S114171A, S114171D, S114172, S114172A, S114172D, S114172E, S114173, S114173B, S114173E, S114173F, S114174, S114177, S114180, S114180F, S114180M, S114181, S114182, S114182G, S114197, S114202, S114202A, S114218, S114218A, S114229, S114229E, S114229F, S114240, S114247, S114247A, S114247C, S114248, S114295, S114298, S114301, S114313, S114343, S114381, S114382, S114608, S144301 | **Ishikawajima** 185086320, 185086321 | **Isuzu** 5811001300, 5811001370, 8941305600, 8942044380, 8942045380, 8942134065, 8942135381, 8942138220, 8942226880, 8942243880, 8942340650 | **Italacciai** 23300N3301 | **Nissan** 2330018C05, 2330018C06, 2330069690, 2330069960, 23300E6800, 23300E6801, 23300N0900, 23300N3301, 23300N3304, 23300S0100, 23300U0100, 23300U0101, 23300U0102, 23300U0601, 23300U0602, 23300U6001, 23300U6002, 23300U6003, 23300U6004, 23300U6005, 23300W0400, 23300W0401, 23300Y0700, 23300Y0701

99.0352.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.45**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge | **Mazda** 323 (1.3), 323 (1.5), 326 (1.6), 326 (2.0) | **Mitsubishi** Celeste, Empilhadeira / Forklift / Apiladora, Galant, Sapporo, Tredia | **Nissan** Especial / Special, H20, L18, Z20 | **Suzuki** Samurai (Gasolina / Gasoline, 1991~1992)

OEM *ORIGINAL*

Bosch 1987BE0008 | **Cargo** 131087 | **Italacciai** SD169 | **Lester** 16500, 16514, 16522, 16527, 16579, 16588, 16708, 16728, 16742, 16793, 16794, 16858, 16859, 16938, 16940, 16941 | **Lucas Indiel** 223236, TMJ210 | **Mazda** 808824709, 808824722, H83318X45 | **Mitsubishi** M191T30974, M191T33371, M191T33372, M191T34071, M191T35171, MD607283, MD608273 | **Nissan** 23312M1510, 23312Y0511 | **Suzuki** 3132072031 | **Visnova** 297196 | **WAI** 548304

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai 23300B5013 | **Mazda** 032418400B, 077918400A, 77918400, 808818400A, 813118400, 813118400A, 821818400, 893618400, 893718400, 896418400, 896718400, D30618400A, D306A8400B, D50118400, D50118400A, D50218400, D50218400A, D50518400, D50518400A, E30118400, E30118400A, E35618400A, F60118400, F60118400A, F60118400B, F80218400, F80218400A, F80218400B, F80618400, F85018400, F85018400A, F85018400B, FE0518400, FE0518400B, FE0518400C, FE5018400, FE5018400A, FE5018400B, FE7918400, H83318400, HE1918400, HE1918400A, HE1918400B, HE2018400, HE2018400A | **Mitsubishi** M2T10282, M2T20181, M2T20181A, M2T20182, M2T20223, M2T20281, M2T20282, M2T20681, M3T10172, M3T20081, M3T20181, M3T20381, M3T20681, M3T20681A, M3T20781, M3T21281, M3T21282, M3T21381, M3T22081, M3T22381, M3T22581, M3T22582, M3T22681, M3T22781, M3T24481, M3T24482, M3T24482A, M3T24483, M3T24485, M3T24486, M3T24486A, M3T24487, M3T24488, M3T25081, M3T25281, M3T25781, M3T25782, M3T25783, M3T25785, M3T25882, M3T25883, M3T25885, M3T25891, M3T27686, M3T29681, M3T30081, M3T30082,

M3T30088, M3T30281, M3T30282, M3T30285, M3T30286, M3T30381, M3T30382, M3T30781, M3T30782, M3T32382, M3T32581, M3T32582, M3T32583, M3T32681, M3T32781, M3T32782, M3T33381, M3T33382, M3T33581, M3T33582, M3T33582A, M3T33583, M3T33585, M3T33586, M3T33586A, M3T33587, M3T33588, M3T35081, M3T35082, M3T35088, M3T39182, MD001333, MD001555, MD019891, MD019895, MD021674, MD027400, MD027401, MD034120, MD034121, MD085730, MD21674, MGA060, MM111514, MM115513, MM115514, MM115517 | **Nissan** 233000712, 23300B5013, 23300D0212, 23300H5012, 23300H5013, 23300P5112, 23300P5113, 23300R9000, 23300T5070, 23300U0113, 23300U0114

99.0353.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Ballade (1500, 1986~1990), Civic (1300 12v 1335cc EW2 / 3, 1983~1987), Civic (1300 16v, 1991~1995), Civic (1300, 1343cc D13B1, 1987~1992), Civic (1400, 1987~1991), Civic (1500 D15B2, 1992~1995), Civic (1500 D15Z, 1995~2000), Civic (L4 1.3L 1342cc 82cid, 1984~1987), Civic (L4 1.5L 1487cc, 1984~1987), Civic (L4 1.5L 1491cc 91cid, 1987), Civic (L4 1.5L 1493cc, 1986), Civic (L4 1.5L 1493cc, 1988~1991), Civic (L4 1.6L 1590cc 97cid, 1988~1991), CRX (L4 1.5L 1493cc, 1988~1991), Wagovan (L4 1.5L 1487cc, 1984), Wagovan (L4 1.5L 1487cc, 1986~1987) | **Jacobsen** T422D (Kubota D950 Diesel, 1985~1996) | **Kubota** Cortador Frontal / Mower Front (F2000 D950 FM 20HP DSL, 1986~1994), Cortador Frontal / Mower Front (F2100 D950 FM 21HP DSL, 1989~1995), Cortador Frontal / Mower Front (F2100E D950 FM 21HP DSL, 1989~1995), Hauler KC5 (ZH600B DSL, 1981~1999), Trator Compacto / Compact Tractor (B1550D D850 5B 17HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1550DT D850 5B 17HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1550DTEX D850 5B 17HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1550E D850 5B 17HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1550HSD D850 5B 17HP DSL, 1988~1997), Trator Compacto / Compact Tractor (B1550HSDT D850 5B 17HP DSL, 1988~1997), Trator Compacto / Compact Tractor (B1550HSE D850 5B 17HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1750DT D950 5B 20HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1750HSD D950 5B 20HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1750HSDT D950 5B 20HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B1750HSE D950 5B 20HP DSL, 1988~1996), Trator Compacto / Compact Tractor (B20 D950AT 20HP DSL, 1990~1998), Trator Compacto / Compact Tractor (B20TL D950AT 20HP DSL, 1990~1998), Trator Compacto / Compact Tractor (B6000DTC ZL600 14.5HP DSL, 1975~1978), Trator Compacto / Compact Tractor (B6000E ZL600 14.5HP DSL, 1978~1984), Trator Compacto / Compact Tractor (B600DT ZL600 14.5HP DSL, 1973~1977), Trator Compacto / Compact Tractor (B6100D D650 B 14HP DSL, 1978~1984), Trator Compacto / Compact Tractor (B6100DT D650 B 14HP DSL, 1978~1984), Trator Compacto / Compact Tractor (B6100E D650 B 14HP DSL, 1978~1984), Trator Compacto / Compact Tractor (B6100HSD D650 B 14HP DSL, 1981~1984), Trator Compacto / Compact Tractor (B6100HSE D650 B 14HP DSL, 1981~1984), Trator Compacto / Compact Tractor (B6100HST D650 B 14HP DSL, 1981~1984), Trator Compacto / Compact Tractor (B6100HSTE D650 B 14HP DSL, 1981~1984), Trator Compacto / Compact Tractor (B6100T D650 B 14HP DSL, 1981~1984), Trator de Jardim / Garden Tractor (2L600, 1979~1990), Trator de Jardim / Garden Tractor (G6200H D640 16HP DSL, 1986~1990) | **Onan** Motor Medium Duty (2L600, 1979~1990) | **Toyota** Carina (1.9L 1858cc 113cid, 1971), Celica (2000, Europeu / European / Europeo, 1973~1980), Celica (L4 1.9L 1858cc 113cid, 1969~1971), Celica (L4 1.9L 1898cc, 1971), Celica (L4 2.0L 1968cc, 1972~1974), Celica (L4 2.0L 1968cc 120cid, 1972~1974), Celica (L4 2.2L 2189cc, 1975~1980), Corolla (1.9L 1858cc, 1969~1971), Corona (1500, Europeu / European / Europeo, 1972~1978), Corona (1600, Europeu / European / Europeo, 1972~1978), Corona (1700, Europeu / European / Europeo, 1972~1975), Corona (1800, Europeu / European / Europeo, 1972~1975), Corona (1900, Europeu / European / Europeo, 1972~1975), Corona (2000, Europeu / European / Europeo, 1972~1975), Corona (L4), Corona (L4 1.9L 1897cc 116cid, 1968~1970), Corona (L4 1.9L 1898cc, 1968~1970), Corona (L4 2.0L 1968cc, 1972~1974), Corona (L4 2.0L 1968cc 120cid, 1972~1974), Corona (L4 2.2L 2189cc, 1975~1980), Crown, FJ60, Hiace (2000, 1978~1983), Hilux (2000, 1979~1984), Pick Up (L4 2.0L 1968cc, 1972~1974), Sprinter (1.3L 1290cc, 1981~1982), Starlet (L4 1.5L 1452cc, 1980~1986), Tercel (1300, 1982~1985), Tercel (1500, 1982~1988), Tercel (L4 1.5L 1452cc 3AC, 1987~1988), Tercel (L4 1.5L 1456cc 3E, 1988), Tercel (L4 1.9L 1858cc 113cid, 1970~1971), Truck Pick Up (L4), Truck Pick Up (L4 1.9L 1858cc, 1970~1971), Truck Pick Up (L4 1.9L 1897cc

116cid, 1969~1970), Truck Pick Up (L4 1.9L 1898cc, 1969), Truck Pick Up (L4 1.9L 1898cc, 1969~1970), Truck Pick Up (L4 2.0L 1968cc 120cid, 1972~1974), Truck Pick Up (L4 2.2L 2189cc, 1975~1980) **| Universal** Motor Marítimo / Marine Engine 5421 Kubota D850 (21HP 3 cil / cyl DSL, 1978~1981), Motor Marítimo / Marine Engine M25 Kubota D850 (21 HP 3 cil / cyl DSL, 1981~1986), Motor Marítimo / Marine Engine M25 XP Kubota D950 (23HP 3 cil / cyl DSL, 1986~1993), Motor Marítimo / Marine Engine M25 XPA Kubota D950 (23HP 3 cil / cyl DSL, 1994~1999)

OEM *ORIGINAL*

Bosch 1987BE0009 **| Italacciai** SD183, SD359 **| Lester** 16215, 16222, 16224, 16230, 16238, 16261, 16766, 16832, 16843, 17354 **| Toyota** 2801141020, 2801160041

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai 280002681

99.0361.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 315, 316, 318, 320, 518, 525, 528, 628, 728 **| Mazda** 323 (1.3) **| Mercedes-Benz** L207, L307 **| Mitsubishi** Colt, Galant **| Peugeot** 404 (Diesel) **| Toyota** Cressida

OEM *ORIGINAL*

Bosch 1006209406, 1006209428, 1006209449, 1006209466, 1006209472, 9001692096 **| Italacciai** SD345, SD489 **| Lester** 16616, 16617 **| Lucas** TMB450

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001208204, 0001311100, 0001311128, 0001311146, 0001314025, 0001314027, 0001314029, 0001314033, 0001314034, 0001314035, 0001314036, 0001314038

99.0362.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**68.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Capri (1.3), Capri (1.6), Capri (2.0), Capri (2000 GT), Capri II, Consul (2.0), Escort, Escort RS 2000, Granada (2.0) | **Opel** Especial / Special

OEM *ORIGINAL*

Bosch 1006209108, 2009209324 | **Italacciai** SD037 | **Lester** 16405, 16595 | **Lucas Indiel** 223602

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001311038, 0001311048

99.0365.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Granada (1.9), Granada (2.0 D) | **Peugeot** 504 (D), 505 (TD), 604 (TD)

OEM *ORIGINAL*

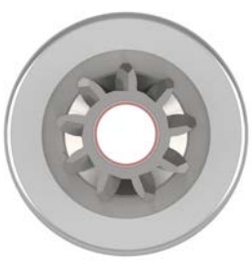
Bosch 2006209243, 2006209333, 2006209473, 2006209481 | **Cargo** 131108 | **Italacciai** SD356 | **Lester** 16715 | **Lucas Indiel** 223605 | **WAI** 549119

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362045, 0001362061, 0001362079, 0001362086, 0001363104, 0001363126

99.0366.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Alfa 6 (2.5 TD), Alfetta (2.0 TD) | **Fiat Iveco** 50NC | **KHD** D2506, D3006, DX50V, F3L911, F3L912 | **Lamborghini** 503 (DT), 503 (R), 503 (S), 603 (DT), 603 (R), 603 (S) | **Mercedes-Benz** 200D | **MWM** D225, D2262, D2263, D3272, D3273 | **Valmet** 101, 102, 103, 104SU, 1051, 1052, 1053, 1054SU, 112, 113 DAN, 15, 18, 195, 198, 20, 24, 25, 295, 298, 30, 395SV, HR488 HT2, T1054SU

OEM *ORIGINAL*

Alfa Romeo 116760503000, 116760503003 | **Bosch** 2006209449, 2006209456, 2006209469, 2006209476, 2006209485, 2006209504 | **Cargo** 131019, 233581, 333205 | **Delco Remy** 19024524 | **Italacciai** SD357 | **John Deere** 19024524 | **KHD** 12155224, 1308144 | **Lester** 17075, 17105, 17112, 17159, 18026, 18121 | **Lucas Indiel** 223311 | **WAI** 549121

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362034, 0001362036, 0001362040, 0001362041, 0001362046, 0001362050, 0001362053, 0001362072, 0001362074, 0001362075, 0001362076, 0001362091, 0001362305, 0001362308, 0001362311, 0001362313, 0001362314, 0001363002, 0001363107, 0001363109, 0001363110, 0001363112, 0001363113, 0001363115, 0001366001, 0001366004, 0001366009, 0001366014, 0001366015, 0001366017, 0001366020, 0001366022, 0001369014

99.0367.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 520 | **Fiat** 1300S, 130NC, 130NR, 130NT, 150NC, 150NR, 150NT, 159NC, 159NR, 159NT, 65NC10, 70NC10, 75NC10, 850, 880, 880 (DT) | **Fiat Allis** S11, S9, SL11, SL9, SR9 | **Fiat Iveco** Caminhão / Truck / Camión 110.13, Caminhão / Truck / Camión 110.16, Caminhão / Truck / Camión 120.13, Caminhão / Truck / Camión 13.80, Caminhão / Truck / Camión 130.13, Caminhão / Truck / Camión 130.16, Caminhão / Truck / Camión 16, Caminhão / Truck / Camión 60.9, Caminhão / Truck / Camión 80, Caminhão / Truck / Camión 90.13 | **KHD** D10006, D130006, D4006, D4506, D5006, D6006, D6206, D6806, D7006, D7206, D7506, D8006, DX100, DX85, DX90, Intrac (2002~2004) | **Lamborghini** 1356, 1566, 653, 654, 684, 754, 804 (DT), 854, 904 (DT), 955, R1056 (DT), R1156, R1256 (DT), R804, R904 | **Mercedes-Benz** 1017AF, 1017F, 1113B, 1217AF, 280S, 508DG, 608DG, 613D, 911B, L408DG, LP1013, LP1113, LP709, LP809, LP813, LP913, O 309 (D), O302, O371U, Trator / Tractor MB1000, Trator / Tractor MB1300, U100, U1013, U1200, U1213, U1300, U1413, U1500, U1613, U1700, U800, U900 | **MWM** D22546, D22646, D3254, D32746, TD2266 | **Scania** 50, 80, 81, 82, 85, 86, 92, 93230, 93250, 93280, Caminhão / Truck / Camión P93H, Caminhão / Truck / Camión P94, Ônibus / Bus / Ómnibus F94, Ônibus / Bus / Ómnibus L94, P 124 / 360, P 124 / 400, P 124 / 420, R 124 / 360, R 124 / 420, R 164 / 480, R 164 / 580, R124 / 400 | **Volvo** 106SU MH 11, 114 Dan, 1154 Dan, 1154M (12.8), 1156 Dan, 1156M (12.8), 116 Dan, 50KVA, 70KVA, B6 Serie (DR860-861), F84, F85, F86, F87, FL4 Serie, LM1240, LM641, LM841, LM845, LM846, SM880, T650, T800, T810, T814, VHK118

OEM *ORIGINAL*

Bosch 2006209492, 2006209530, 2006209536, 2006209930, F000AL1897 | **Cargo** 131065 | **Delco Remy** 19024520, 19025715 | **Fiat** 79034927, 8122157, 9959619 | **Italacciai** SD443 | **Lester** 16560, 17073, 17074, 17106, 17113, 17127, 17136, 17184, 17228, 17320, 18032, 18229, 18237, 18250 | **Lucas Indiel** 223312

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362051, 0001362063, 0001362096, 0001362097, 0001362300, 0001362306, 0001362309, 0001363116, 0001366018, 0001366021, 0001367001, 0001367004, 0001367005, 0001367007, 0001367010, 0001367011, 0001367012, 0001367014, 0001367019, 0001367021, 0001367023, 0001367026, 0001367027, 0001367030, 0001367031, 0001367033, 0001367034, 0001367039, 0001367045, 0001367046, 0001367050, 0001367052, 0001367059, 0001367068, 0001367074, 0001367300, 0001367301, 0001368001, 0001368002, 0001368003, 0001368005, 0001368007, 0001368008, 0001368010, 0001368011, 0001368012, 0001368013, 0001368014,

0001368017, 0001368018, 0001368021, 0001368022, 0001368024, 0001368028, 0001368030, 0001368031, 0001368032, 0001368033, 0001368035, 0001368047, 0001368055, 0001368062, 0001368063, 0001368300, 0001368301, 0001368302, 0001368307, 0001368309 | **Italacciai** 1362051

99.0367.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0367.0/Same as 99.0367.0 BZM/Igual que BZM 99.0367.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 520 | **Fiat** 1300S, 130NC, 130NR, 130NT, 150NC, 150NR, 150NT, 159NC, 159NR, 159NT, 65NC10, 70NC10, 75NC10, 850, 880, 880 (DT) | **Fiat Allis** S11, S9, SL11, SL9, SR9 | **Fiat Iveco** Caminhão / Truck / Camión 110.13, Caminhão / Truck / Camión 110.16, Caminhão / Truck / Camión 120.13, Caminhão / Truck / Camión 13.80, Caminhão / Truck / Camión 130.13, Caminhão / Truck / Camión 130.16, Caminhão / Truck / Camión 16, Caminhão / Truck / Camión 60.9, Caminhão / Truck / Camión 80, Caminhão / Truck / Camión 90.13 | **KHD** D10006, D130006, D4006, D4506, D5006, D6006, D6206, D6806, D7006, D7206, D7506, D8006, DX100, DX85, DX90, Intrac (2002~2004) | **Lamborghini** 1356, 1566, 653, 654, 684, 754, 804 (DT), 854, 904 (DT), 955, R1056 (DT), R1156, R1256 (DT), R804, R904 | **Mercedes-Benz** 1017AF, 1017F, 1113B, 1217AF, 280S, 508DG, 608DG, 613D, 911B, L408DG, LP1013, LP1113, LP709, LP809, LP813, LP913, O 309 (D), O302, O371U, Trator / Tractor MB1000, Trator / Tractor MB1300, U100, U1013, U1200, U1213, U1300, U1413, U1500, U1613, U1700, U800, U900 | **MWM** D22546, D22646, D3254, D32746, TD2266 | **Scania** 50, 80, 81, 82, 85, 86, 92, 93230, 93250, 93280, Caminhão / Truck / Camión P93H, Caminhão / Truck / Camión P94, Ônibus / Bus / Ómnibus F94, Ônibus / Bus / Ómnibus L94, P 124 / 360, P 124 / 400, P 124 / 420, R 124 / 360, R 124 / 420, R 164 / 480, R 164 / 580, R124 / 400 | **Volvo** 106SU MH 11, 114 Dan, 1154 Dan, 1154M (12.8), 1156 Dan, 1156M (12.8), 116 Dan, 50KVA, 70KVA, B6 Serie (DR860-861), F84, F85, F86, F87, FL4 Serie, LM1240, LM641, LM841, LM845, LM846, SM880, T650, T800, T810, T814, VHK118

OEM *ORIGINAL*

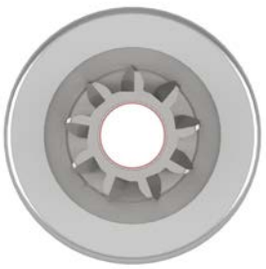
Bosch 2006209492, 2006209530, 2006209536, 2006209930, F000AL1897 | **Cargo** 131065 | **Delco Remy** 19024520, 19025715 | **Fiat** 79034927, 8122157, 9959619 | **Italacciai** SD443 | **Lester** 16560, 17073, 17074, 17106, 17113, 17127, 17136, 17184, 17228, 17320, 18032, 18229, 18237, 18250 | **Lucas Indiel** 223312

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362051, 0001362063, 0001362096, 0001362097, 0001362300, 0001362306, 0001362309, 0001363116, 0001366018, 0001366021, 0001367001, 0001367004, 0001367005, 0001367007, 0001367010, 0001367011, 0001367012, 0001367014, 0001367019, 0001367021, 0001367023, 0001367026, 0001367027, 0001367030, 0001367031, 0001367033, 0001367034, 0001367039, 0001367045, 0001367046, 0001367050, 0001367052, 0001367059, 0001367068, 0001367074, 0001367300, 0001367301, 0001368001, 0001368002, 0001368003, 0001368005, 0001368007, 0001368008, 0001368010, 0001368011, 0001368012, 0001368013, 0001368014, 0001368017, 0001368018, 0001368021, 0001368022, 0001368024, 0001368028, 0001368030, 0001368031, 0001368032, 0001368033, 0001368035, 0001368047, 0001368055, 0001368062, 0001368063, 0001368300, 0001368301, 0001368302, 0001368307, 0001368309 | **Italacciai** 1362051

99.0376.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.20**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu KB10 (Thermo King Estacionário / Stationary, Diesel), KBD 20 (Diesel), KBD 25 (2.0 Diesel), KBD 30 (Diesel) | **JEEP** Renegade | **Komatsu** Empilhadeira / Forklift / Apiladora | **Massey Ferguson** 2104 | **Nissan** Especial / Special | **TCM Equipment Ag** Empilhadeira / Forklift / Apiladora SD25Z1 | **Toyota** Especial / Special

OEM *ORIGINAL*

Allis-Chalmers 2201850102, 2201850103, 2201850192 | **Cargo** 131984 | **Hitachi** 21203500, 212035001, 21203500A, 21203501, 21207500, 21207530, 21207550, 213035001, 21307550, 225035002 | **Isuzu** 5811130170, 5811230020, 5811230070, 5811230160, 9821212380, 9821223800 | **Lester** 17087, 17089, 17090, 18064 | **Lucas Indiel** 223237 | **Thermo King** 442910 | **Visnova** 397097

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1224, S1224A, S1227, S1241A, S1246, S1248, S1256, S1258, S1259, S1261, S1282, S1288, S1306, S1306A, S1325, S1328, S1331, S1333, S1333A, S1333B | **Isuzu** 5811000571, 5811000740, 5811000800, 5811000820, 5811000990, 5811001110, 5811001111, 5811001112, 9821001520, 9821001522, 9821001830, 9821001832 | **Thermo King** 442918, 445443

99.0377.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**92.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión VW 11160 (Álcool / Alcohol), Caminhão / Truck / Camión VW 22160 (Álcool / Alcohol), Caminhão / Truck / Camión VW 6140 (Álcool / Alcohol), Caminhão / Truck / Camión VW 7140 (Álcool / Alcohol), E11 (Álcool / Alcohol), E13 (Álcool / Alcohol), E21 (Álcool / Alcohol)

OEM *ORIGINAL*

Bosch 9001453332 | **Wapsa** 224050

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453002, 9000453030, 9000453039, 9000453060 **| Especial/Special** MPJ140 **| Wapsa** MPB61

99.0378.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Atlas Copco Caminhão / Truck / Camión, Trator / Tractor **| Deutz** Caminhão / Truck / Camión, Trator / Tractor **| Lamborghini** 704 (DT), C603, L603, R704 **| Mercedes-Benz** Caminhão / Truck / Camión, Trator / Tractor **| Pegaso** Caminhão / Truck / Camión **| Same** Caminhão / Truck / Camión, Trator / Tractor **| Scania** Caminhão / Truck / Camión, Trator / Tractor **| Valmet** HR492AT, HR688H, HR688HT, HR692HT, Trator / Tractor 985 **| Volkswagen** LT 28, LT 31, LT 35 (D)

OEM *ORIGINAL*

Bosch 2006209425, 2006209494 **| Delco Remy** 19024525 **| Italacciai** SD313 **| Lester** 17113, 17229, 18236 **| Lucas Indiel** 223313

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362064, 0001362301, 0001362303, 0001362304, 0001363118, 0001366008, 0001367008, 0001367009, 0001367013, 0001367015, 0001367018, 0001367024, 0001367032, 0001367043, 0001367067, 0001368006, 0001368009, 0001368015, 0001368025, 0001368039, 0001368041, 0001368046, 0001368049, 0001368050, 0001368058, 0001368071, 0001369009

99.0379.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.50**
L Comprimento	**68.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Jeep, Jeep Militar (24v), Maverick (2.3), Pick-Up F100, Pick-Up F75 (1981→), Rural

OEM *ORIGINAL*

Bosch 9001451229 **| Volkswagen** BD5D11350B **| Wapsa** 224049

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000451005, 9000451013 **| Wapsa** MWB15, MWC5

99.0381.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Delco Remy Delco 10MT, Delco 22MT, Delco 25MT, Delco 27MT, Delco 30MT, Delco 35MT, SD300 Series DD

OEM *ORIGINAL*

Delco Remy 10499852, 1877350, 1933838, 1947542, 1948877, 800965 **| Lester** 3294, 3369, 3709, 3853, 3933, 3952, 4194, 4215, 4523, 4567, 4843, 4888, 6151, 6171, 6192, 6542, 6659, 6705

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1113197, 1113647

99.0389.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**70.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 130 Super, 132 Restyling, Argenta (1.6), Brava 131, Croma (1.6), Duna, Europa, Fiorino, Nuova Argenta, Pick Up, Prêmio, Regata (1.3), Regata (1.5), Regata (1.6), Ritmo 105 TC, Ritmo 125 TC, Ritmo 75, Ritmo 85, Spazio, Tipo (1.4 1400 DGT), Uno, Uno (Turbo), Weekend **| Lancia** Beta (1.3), Beta (1.6), Delta (1.5), Prisma (1.5), Trevi (1.6) **| Seat** 124 (1.8), 131L (1.6)

OEM *ORIGINAL*

Bosch 1987BE0010 **| Cargo** 131716, 132631 **| Femsa** 1706126 **| Fiat** 9937207, 9937419, 9941640, 9941746 **| Italacciai** SD188 **| Lucas Indiel** 228042, 85540491, 85540611 **| Magneti Marelli** 74886131, 74887061, 85540491, 85540611

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 4470378, 82374433 **| Italacciai** 04469987 **| Magneti Marelli** 63221308, 63221338, 63221400, 63221401, 63221430, 63221431, 63221508, 63221538, 63221637

99.0392.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors 1135-1, 1135-15, 1135-50, 1135-55, 2135, 2135-50 **| Chrysler** Dodge C17, Dodge C20, Dodge C2662, Dodge C2664, Dodge T17 **| Kawasaki** D10006, D130006, D4006, D5006, D6006, D6206, D6806, D7006, D7206, D8006, DX100, DX85, DX90, Intrac (2002~2004) **| Lamborghini** 704 (DT), 904 (DT), C603, L603, R1056 (DT), R704, R804 **| Renault** 210.20, 230.20, 230.26, 250, D17, D20 **| Valmet** 885, HR688H, HR688HT, Trator / Tractor 1180S (Motor Valtra importado / imported), Trator / Tractor 1380S (Motor Valtra importado / imported), Trator / Tractor 1680S (Motor Valtra importado / imported), Trator / Tractor 885S (Motor Valtra importado / imported), Trator / Tractor 985S (Motor Valtra importado / imported) **| Volkswagen** LT28, LT31, LT35

OEM *ORIGINAL*

Bosch 2006209408, 2006209423, 2006209438, 9002453010, 9002453081 **| Delco Remy** 19024518 **| Italacciai** SD441 **| Lester** 16565, 16567, 17113, 17229, 17258, 18028

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359004, 0001359053, 0001359056, 0001359060, 0001359075, 0001359076, 0001359099, 0001359106, 0001359108, 0001359112, 0001359124, 0001360029, 0001360033, 0001360041, 0001360042, 0001360054, 0001360064, 0001364101, 0001364102, 0001364103, 0001364104, 9000143305, 9000453089

99.0392.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0392.0/Same as 99.0392.0 BZM/Igual que BZM 99.0392.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors 1135-1, 1135-15, 1135-50, 1135-55, 2135, 2135-50 **| Chrysler** Dodge C17, Dodge C20, Dodge C2662, Dodge C2664, Dodge T17 **| Kawasaki** D10006, D130006, D4006, D5006, D6006, D6206, D6806, D7006, D7206,

D8006, DX100, DX85, DX90, Intrac (2002~2004) **| Lamborghini** 704 (DT), 904 (DT), C603, L603, R1056 (DT), R704, R804 **| Renault** 210.20, 230.20, 230.26, 250, D17, D20 **| Valmet** 885, HR688H, HR688HT, Trator / Tractor 1180S (Motor Valtra importado / imported), Trator / Tractor 1380S (Motor Valtra importado / imported), Trator / Tractor 1680S (Motor Valtra importado / imported), Trator / Tractor 885S (Motor Valtra importado / imported), Trator / Tractor 985S (Motor Valtra importado / imported) **| Volkswagen** LT28, LT31, LT35

OEM *ORIGINAL*

Bosch 2006209408, 2006209423, 2006209438, 9002453010, 9002453081 **| Delco Remy** 19024518 **| Italacciai** SD441 **| Lester** 16565, 16567, 17113, 17229, 17258, 18028

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359004, 0001359053, 0001359056, 0001359060, 0001359075, 0001359076, 0001359099, 0001359106, 0001359108, 0001359112, 0001359124, 0001360029, 0001360033, 0001360041, 0001360042, 0001360054, 0001360064, 0001364101, 0001364102, 0001364103, 0001364104, 9000143305, 9000453089

99.0394.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**65.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 127 Brasil / Brazil (Diesel), 131 (2.0), 132 (2.0), CHT (Turbo 2.0), Croma (2000), Duna, Fiorino (Diesel), Panda (Diesel), Spazio, Spider 124, Uno (Diesel) **| Lancia** Delta (HF4WD), Prisma (1.6 4WD), Thema (2000ie Turbo)

OEM *ORIGINAL*

Cargo 132188 **| Fiat** 9936050, 9938235, 9941642 **| Italacciai** SD187 **| Lucas Indiel** 223240 **| Magneti Marelli** 74891116, 74891161, 74898071, 74991161, 85540521

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 5991832 **| Italacciai** 05991832 **| Magneti Marelli** 63221403, 63221433, 63221434, 63221500, 63221503, 63221509, 63221530, 63221533, 63221539, 63221632, 63221639, 63221730, 63221731

99.0395.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**65.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 320, 320i, 321i, 520, 525, 528 | **Fiat** Fiat Nuova Ritmo (Diesel), Regata (Diesel), Ritmo (Diesel) | **Seat** Ibiza (Diesel), Ritmo (Diesel), Ronda (Diesel)

OEM *ORIGINAL*

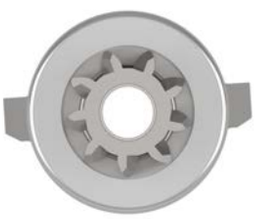
Fiat 9938328, 9941467 | **Italacciai** SD185 | **Lucas Indiel** 223241 | **Magneti Marelli** 74888761, 74895431, 85540481

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 5933930, 5996771 | **Italacciai** 05933930 | **Magneti Marelli** 63223000, 63223203, 63223206, 63223207, 63223236, 63223237, 63223300, 63223330, 63223332

99.0397.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**70.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge 1500 | **Ford** Fiesta (1.0), Fiesta (1.3) | **Hillman** Especial / Special | **Peugeot** 404

OEM *ORIGINAL*

Bosch 1987BE0034 | **Femsa** 170616 | **Lucas Indiel** 221830

99.0398.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.70**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bonser D20, D200K, D25, D2500K | **Fiat Iveco** 129.14, 130.14 | **Ford** A Series, D Series, Transit (Diesel) | **Lancer** 300 Series

OEM *ORIGINAL*

Italacciai SD199 | **Lucas Indiel** 54246340, 54246739, 54247184, TMB116

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26317B/H, 26317BDM50, 26355A/J, 26356A/M, 26356ABM50, 26361A/E, 26388A/F, 26407A/F, 26407AEM50

99.0404.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**13.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**20.30**
IS Ø Interno da Estria	**16.80**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën CX Athena, CX Reflex | **Peugeot** 505, 505 (INJ) | **Renault** Estafette, Fuego, R12, R16, R18, R20, R4, R5, R6, Rodeo, Trafic

OEM *ORIGINAL*

Bendix 310626, 314529 | **Bosch** 1987BE0035 | **Ducellier** 611942 | **Italacciai** SD500 | **Lester** 16488 | **Lucas Indiel** 223244 | **Valeo** NE314

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 532000AB, 532002, 532003, 532004, 532008, 532008AB, 532009, 532009AB, 532010, 532010AB, 532018, 6221A, 6231C | **Italacciai** 006231C

99.0406.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Granada (2.5 D), Sierra (2.3 D) | **Peugeot** 404 (D), 504 (D), 505 (TD), 604 (TD)

OEM *ORIGINAL*

Bosch 1006209501, 1006209517 | **Cargo** 131432 | **Italacciai** SD311 | **Lester** 16556 | **Volkswagen** 055911335D | **WAI** 549139

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001317009, 0001317010, 0001317018

99.0407.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 30AR8, 32AR8, 35AR8, 40AR8 | **Fiat** 131, 132, 238 (1.8), Argenta (2.5), Campagnola, Nuova Argenta | **Fiat Iveco** Daily 28.8, Daily 30.8, Daily 32.8, Daily 35.8, Daily 40.8, Ducato | **Renault** Trafic (4x4)

OEM *ORIGINAL*

Cargo 131109 | **Fiat** 79023774, 9000862, 9927793, 9929081, 9935731, 9936772, 9957707, 9986112 | **Italacciai** SD125, SD128 | **Lester** 17111, 17126 | **Lucas Indiel** 221833 | **Magneti Marelli** 72139001, 72363402, 72397101 | **Visnova** 014178, 214121

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 4692477, 4699704, 4699705, 4701920, 4702248, 4706008, 4706931, 4710224, 4711699, 4713805, 4713806, 4713807, 4737754, 4737755, 4737756, 4741699, 4745849, 4745930, 4752212, 4752403, 4752912, 4759929 | **Italacciai** 4699705, 63216740, MT67CA | **Magneti Marelli** 63216701, 63216703, 63216707, 63216725, 63216726, 63216727, 63216740, 63216808, 63216810, 63216825, 63216826, 63216827, 63216873, 63216898, 63217101, 63217104, 63217105, 63217118, 63217119, 63217120, 63217125, 63217147, 63217201, 63217225

99.0408.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión TX1600 (←12/1984) | **Autobianchi** A112, Y10 Touring, Y10 Turbo | **Fiat** 127 (0.9), 127 (1.05), 127 Sport (1.3), Fiorino TT (0.9), Panda 30, Panda 34, Panda 45, Panda 45 (4x4), Ritmo (60L141), Uno (0.9), Young | **Seat** Fura, Panda

OEM *ORIGINAL*

Cargo 131715 | **Fiat** 9936996, 9941751 | **Italacciai** SD153 | **Magneti Marelli** 74886971, 74889271, 85540601

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 5972684 | **Italacciai** 4451826 | **Magneti Marelli** 63220506, 63220536, 63220537, 63220538

99.0411.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Allis-Chalmers ED40 (4 cil / cyl 138 Diesel) | **Case** 1190 (3-165 Diesel, 1980~1983), 1290 (4 cil / cyl 195 Diesel, 1980~1983), 1294 (4 cil / cyl 219 Diesel, 1983~1984), 1390 (4 cil / cyl 219 Diesel, 1980~1983), 1394 (4 cil / cyl 219 Diesel, 1983~1988), 1490 (4 cil / cyl 219 Diesel, 1980~1983), 1494 (4 cil / cyl 219 Diesel, 1983~1988), 380CK, 580F (Construction King European), 770 (3-146 Diesel, 1965~1970), 780 (3-146 Diesel, 1967~1971), 780 (Diesel, 1980~1989), 850 (3-154 Diesel, 1960~1965), 995 (4 cil / cyl 219 Diesel, 1971~1976) | **David Brown** 120 (4 cil / cyl 219 Diesel, 1969~1971), 1200 (4 cil / cyl 219 Diesel, 1969~1971), 1210 (4 cil / cyl 219 Diesel, 1971~1980), 1212 (4 cil / cyl 219 Diesel, 1971~1976), 12121 (4 cil / cyl 219 Diesel, 1971~1976), 770 (3-146 Diesel, 1965~1970), 780 (3-146 Diesel, 1967~1971), 780 (Diesel, 1980~1989), 781 (3-146 Diesel, 1967~1971), 880 (3 cil / cyl 154 Diesel, 1961~1971), 885 (3 cil / cyl 164 Diesel, 1971~1980), 990 (4 cil / cyl 186 Diesel, 1969~1980), 991 (4 cil / cyl 186 Diesel, 1972~1980), 995 (4 cil / cyl 219 Diesel, 1977~1980), 996 (4 cil / cyl 219 Diesel, 1971~1980) | **Lister** PH Series (1 cil / cyl Diesel), PH Series (2 cil / cyl Diesel), PH Series (3 cil / cyl Diesel), SR4 (4 cil / cyl Diesel), ST1 (1 cil / cyl Diesel), ST1 (2 cil / cyl Diesel), ST1 (3 cil / cyl Diesel), ST2 (1 cil / cyl Diesel), ST2 (2 cil / cyl Diesel), ST2 (3 cil / cyl Diesel), ST3 (1 cil / cyl Diesel), ST3 (2 cil / cyl Diesel), ST3 (3 cil / cyl Diesel) | **Massey Ferguson** MF130 (Perkins 4-107 Diesel, 1966~1972)

OEM *ORIGINAL*

Cargo 131708 | **Italacciai** SD019 | **Lester** 16664, 16665 | **Lucas Indiel** 54247396, 60600077, TMB124

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26278H, 26301H, 27413A/D, 27421A/B, 27463A/D

99.0418.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

DAF F1300, F1400, F1500 | **Ford** D1211 | **Harvester** D358, Inter 1800 | **Kawasaki** F1300D, F1400D, F1500D, F1600D, F1800D, F2105 DF | **Volvo** F2250, F406, F407

OEM *ORIGINAL*

Bosch 2006209495, 2006209532 | **Fiat** 9959813 | **Italacciai** SD442 | **Lester** 16558, 18254, 18259

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362302, 0001362324, 0001367002, 0001367017, 0001367020, 0001367047, 0001367048, 0001367051, 0001367057, 0001367066, 0001367070, 0001367071, 0001367302, 0001368023, 0001368034, 0001368040, 0001368044, 0001368052, 0001368060, 0001368068, 0001368070, 0001368072, 0001368076, 0001368082, 0001368085, 0001368306, 0001369003, 9000143412, 9000143415, 9000143416, 9000143601 | **Italacciai** 1362302

99.0419.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge Truck S Series | **Ford** Cargo Series | **Hanomag** 20, 22C, 30, 33C, 400D | **Linde** H20, H25, H30 | **Yanmar Marine** F1400DF

OEM *ORIGINAL*

Bosch 2006209462, 2006209499 | **Cargo** 138312 | **Lester** 17077, 18024

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362093, 0001367006, 0001367022, 0001367035, 0001367041, 0001367042, 0001367055, 0001367056, 0001367063, 0001368026, 0001368027, 0001368036, 0001368038, 0001368051, 0001369015, 0001369023, 0001369200, 0001369201

99.0420.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 4000 (Diesel), 4000 (Turbo Diesel), 80 (1.6 D), 80 (1.6 TD), 80 (Diesel), 80 (Diesel Turbo) | **Opel** Ascona C (1.6 D), Astra (1.7 D), Kadett D (1.6 D), Kadett D (1.7 D), Kadett E (1.7 D), Vectra | **Vauxhall** Astra D, Cavalier D | **Volkswagen** Amazon (Diesel), Passat (Diesel Turbo), Passat D, Quantum Custom (L4 1.6 Diesel, 1983), Quantum Deluxe (L4 1.6 Diesel, 1982), Quantum Deluxe (L4 1.6 Diesel, 1983), Quantum GL Custom (L4 1.6 Diesel, 1984), Quantum GL Custom (L4 1.6 Diesel, 1985), Quantum GL Deluxe (L4 1.6 Diesel, 1984), Santana (Diesel), Santana (Diesel Turbo)

OEM *ORIGINAL*

Bosch 1006209500 | **Cargo** 131102 | **Italacciai** SD310 | **Lester** 16623, 17016 | **Lucas** TMB454 | **Lucas Indiel** 223249

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001316004, 0001317007, 0001317008, 0001317013, 0001317022, 0001317025

99.0426.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyster Empilhadeira / Forklift / Apiladora | **Mazda** Especial / Special

OEM *ORIGINAL*

Lester 16795 | **Lucas Indiel** 223644 | **Mazda** 489324722 | **Mitsubishi** M191T31071, M191T35271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda 489318400B, 489318400D, 489318400E | **Mitsubishi** M3T10473, M3T10475, M3T10476

99.0427.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Pá Carregadeira / Wheel Loader / Pala Cargadora, Trator / Tractor | **Onan** Motor

OEM *ORIGINAL*

Cargo 231954 | **Lester** 17332 | **Mitsubishi** M191T32271, M191X32271 | **Onan** 1911087 | **WAI** 548301

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi MEO107 | **Onan** 19911052

99.0433.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Century (V6 3.8L 3800cc 231cc, 1984~1985), Electra (V6 3.8L 3800cc 231cid, 1985), LeSabre (V6 3.0L 181cid, 1986), Skylark (V6 3.0L 181cid, 1986), Somerset (3.0L 181cid, 1986), Somerset Regal (V6 3.0L 181cid, 1985) | **Oldsmobile** 98 (V6 3.8L 3800cc 231cid, 1985), Calais (V6 3.0L 181cid VIN L, 1985~1986), Cutlass Ciera (V6 3.8L 3800cc 231cid, 1984~1985), Delta 88 (3.0L 181cid, 1986) | **Pontiac** Grand AM (V6 3.0L 181cid, 1985)

OEM *ORIGINAL*

Delco Remy 1984511, D2032 | **Lester** 6307, 6308, 6309, 6310, 6312, 6313, 6315, 6316, 6318, 6319, 6327, 6330, 6331, 6426

99.0434.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**25.60**
IS Ø Interno da Estria	**21.20**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Trator / Tractor

OEM *ORIGINAL*

Allis-Chalmers 02683662, 02698850 | **Cargo** 132634 | **Case** A47788 | **Caterpillar** 4N7523 | **John Deere** AR54992 | **Lester** 16629, 16635, 16643, 16644, 17103, 17120, 17349, 17353, 17369, 17386 | **Nippondenso** 0283001280,

0283001660

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Allis-Chalmers 1336643 | **Case** 91902C1, A162469 | **Caterpillar** 4N0241, 7N0923, 9G6941 | **John Deere** AR16277, AR41627, AR70611, RE13722, RE23900 | **Nippondenso** 0280003290, 0280003292, 0280003650, 0280003690, 0280003930, 0280003970, 0280003971, 0280005040, 0280005920, 0280005960, 0280006920, 0280007430, 0280007431, 1280000260, 1280000771, 1280000772, 1280002000, 1280003690, 1280004340, 1280005330

99.0438.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz Especial / Special | **Fiat** Turbo | **Mercedes-Benz** Especial / Special

OEM *ORIGINAL*

Lucas Indiel 228204 | **Nashville** 45210100

99.0439.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Perkins AN 115 (4 cil / cyl), AN 115 (6 cil / cyl)

OEM *ORIGINAL*

Bosch 1987BE0037 | **Lucas Indiel** 228205 | **Nashville** 4520100

99.0440.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz Especial / Special **| Ford** Especial / Special **| Mercedes-Benz** Caminhão / Truck / Camión, Especial / Special, Ônibus / Bus / Ómnibus, Trator / Tractor

OEM *ORIGINAL*

Lucas Indiel 222901

99.0441.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz L1112 (Motor OM352), L1114 (Motor OM358), L608 (Motor OM314), L911 (Motor OM325)

OEM *ORIGINAL*

Bosch 1987BE0011 **| Lucas Indiel** 228099, 35256654, 35257820

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35257385

99.0443.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**62.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault R11, R18, R21, R9 | **Volkswagen** Carat (GS), Gacel (GL)

OEM *ORIGINAL*

Bosch 1987BE0038 | **Lucas Indiel** 221901 | **Tria** ZAE911335

99.0445.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Fuego (1.4), Fuego (2.0), Fuego (2.2), Nevada (1.4), Nevada (2.0), Nevada (2.2), Renault 12 (1.4), Renault 12 (1.8), Renault 12 (2.1), Renault 4 (1.4), Renault 4 (1.8), Renault 4 (2.1), Renault 6 (1.4), Renault 6 (1.8), Renault 6 (2.1), Trafic (1.4), Trafic (2.0), Trafic (2.2)

OEM *ORIGINAL*

Bosch 1987BE0012 | **Lucas Indiel** 227330, 35257330

99.0447.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.20**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Giulia (Diesel) **|** **Hatz** E950 **|** **Lamborghini** 235 (DT), 653 (DT), 784 (DT), C352, C362, C453, C503, C533, C653, L503, R235, R483, R653, S235, S503 **|** **Valmet** 20KVA, HR 392 A, HR 488 H, HR 488 HT, HR 488 HTA, HR 492 A, HR 492 HT, HT9

OEM *ORIGINAL*

Bosch 2006209475 **|** **Italacciai** SD016 **|** **Lester** 17114, 18120 **|** **Lucas Indiel** 223657

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362035, 0001362042, 0001362059, 0001362092, 0001362095, 0001363105, 0001363117, 0001363125, 0001366011, 0001366012, 0001366024, 0001366027

99.0448.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu Especial / Special **|** **Nissan** Cedric (SD22), Patrol Pick Up, Terrano II (2.7 TD)

OEM *ORIGINAL*

Bosch 1987BE0039 **|** **Hitachi** 212025001, 212045002, 212055002, 212075002, 212085001, 212085002, 225035001 **|** **Isuzu** 5811230090, 5811230150, 9821212340 **|** **Lester** 16771, 16818 **|** **Lucas Indiel** 223250 **|** **Nissan** 212025001, 212045002, 2331237502, 2331237504, 2331276201, 23312V0601, 233312V0601

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S12119C, S1218D, S1219C, S1219K, S1219KA, S1219KB, S1234, S1234A, S1263, S1263A, S1263B, S1263C, S1264, S1268, S1268A, S1268B, S1268D, S1323, S1334, S1334A, S1336, S1338, S1340, S1340A, S1343, S13443, S1345, S1345A, S1345B, S1346, S1346A, S25106, S25123, S25129, S25132, S25141, S25152 **|** **Nissan** 2330015815, 2330031W00, 2330031W01, 2330031W02, 2330031W03, 2330031W04, 2330031Y03, 2330032W03, 233003470, 233003705, 2330037503, 2330037505, 2330037506, 2330037508, 2330079601, 2330090062, 2330090217, 23300A3210, 23300G7000, 23300G7001, 23300G7002, 23300G7003, 23300G7004, 23300G7005, 23300G7006, 23300G7007, 23300L1800, 23300T3400, 23300T3470, 23300T5600, 23300T5601, 23300V0600, 23300V0601, 23300V0602, 23300V0603, 23300V0605, 23300W3101, 23300Y1400, 23300Y1403, 23300Y1405, 23300Z7000, 23300Z7001, 23300Z7005

99.0449.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover 110 (Diesel), 90 (Diesel)

OEM *ORIGINAL*

Lucas 54267317, TMB150

99.0450.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyster Empilhadeira / Forklift / Apiladora (Motor 60XM), Empilhadeira / Forklift / Apiladora (Motor H45) | **Hyundai** Accent (GLS), Excel, Pony, Sonata (2.4), Sonata (3.0), Stellar | **Kia** Picanto (Flex, 2010), Sephia (GTX 1.5 16v, 1994→), Sephia (SLX 1.6 8v, 1994→), Sportage (Motor OHC 16v Gasolina / Gasoline) | **Mazda** 323 (1.3), 323 (1.5), MX 5 Miata (1.6), MX 5 Miata (1.8) | **Mitsubishi** Celeste (Motor GP 25 / 30), Galant (Motor GP 25 / 30), Sapporo (Motor GP 25 / 30), Starion (Motor GP 25 / 30), Tredia (Motor GP 25 / 30) | **Suzuki** Samurai, Sidekick (1994), SJ410, SJ413, Vitara (1.6 16v)

OEM *ORIGINAL*

Bosch 1987BE0013 | **Cargo** 132005 | **Ford** E7GZ11350A, SDE332 | **General Motors/Chevrolet** 96063635 | **Lester** 16514, 16522, 16708, 16794, 16795, 16922, 16938, 16940, 16941, 16966, 16971, 17181, 17212, 17288, 17662 | **Lucas Indiel** 223252 | **Mazda** B63018X45, E35618X45 | **Mitsubishi** M191T22071, M191T22371, M191T22771, M191T22971, M191T23071, M191T23471, MD607894, MD611372 | **Nissan** 2335442L10, 2335442L11 | **Suzuki** 3132079030, 3132082130, 3132082139

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford B35918400A, B63018400A, B65818400, B67618400A, E9BZ11002A, E9JY11002A, F0BY11002B, F0BZ11002B, F0JY11002A, F1JY11002A, F7GZ11002A, F9JY11002A, SAI761, SAI772, SAI773, SAI780, SAI783, SAI788 | **General Motors/Chevrolet** 30001695 | **Mazda** 478010400, 478018400, 478018400A, B30318400, B30318400A, B31518400A, B31518400B, B35918400, B50518400, B59318400, B61P18400, B61R18400A, B63018400, B63018400A, B67618400, B67618400A, B67618400B, B6S818400A, D50518400B, D53018400, E35618400,

E35618400B, E35718400, F24018400, F24018400B, F85018400E, F8B118400A, F8B118400B, F8B118400C, F8B18400A, FE0518400C, FE1J18400A, FE5018400E, FE5A18400A | **Mitsubishi** 1368852, 901286806, M2T30581, M2T30583, M2T322, M2T32281, M2T40081, M2T42881, M2T44081, M2T48081, M2T49881, M3M32722, M3M32782, M3MT30583, M3Q38882, M3T016851, M3T016863, M3T066761, M3T14482J, M3T162838, M3T164866, M3T189054, M3T21281, M3T21281D, M3T21381, M3T21381D, M3T21781, M3T21781D, M3T21882, M3T21882D, M3T22581, M3T244, M3T24482, M3T24482H, M3T24482K, M3T24486H, M3T25252H, M3T25282H, M3T25285A, M3T25885, M3T25885A, M3T27686D, M3T27786, M3T29482, M3T29482D, M3T302589, M3T30581, M3T30583, M3T30681, M3T30881, M3T30981, M3T32588, M3T32589, M3T32591, M3T32592, M3T32593, M3T32782D, M3T33182, M3T33281, M3T33282, M3T3586D, M3T38082, M3T38181, M3T38381, M3T38481, M3T38581, M3T38682, M3T388682, M3T38881, M3T38881A, M3T38881B, M3T38881C, M3T38882, M3T38882A, M3T38882B, M3T38882C, M3T38883, M3T38884, M3T38885, M3T38981, M3T38982, M3T39385, M3T39481, M3T39523, M3T39981, M3T4010081, M3T41081, M3T41083, M3T41088, M3T41181, M3T41185, M3T41186, M3T41282, M3T41285, M3T41681, M3T42781, M3T42881, M3T43381, M3T43481, M3T43581, M3T48181, M3T49381, M3T49581, M3T49585, M3T49781, M3T70081, M3V38881, M3V38882, M3Y24482, MD016729, MD016851, MD016863, MD066761, MD081567, MD081568, MD100431, MD101219, MD107614, MD107615, MD161437, MD162836, MD162837, MD162838, MD164866, MD180238, MD180239, MD189054, MD192222, MD192228, MD81567 | **Nissan** 2330000H10, 2330000H11, 2330005H11, 2330041B70, 2330042L11, 2330042L13, 2330042L14, 2330060S10, 23300D0214, 23300L2912, 23300P5113, 23300P5114, 23300T5070, 23300T5072, 23300W0413, 23300W0417, 23300Y0715 | **Suzuki** 3110080091, 3110083010, 3110083021

99.0453.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**27.00**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.60**
IS Ø Interno da Estria	**13.50**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ebro Siata | **Fiat** 600 | **Seat** 600, 600 D

OEM *ORIGINAL*

Bosch 9001336203 | **Femsa** 1851430, 1875852, 1877353, 1877354, 1932890, 1934488, 1940134, 1940138, 1951180, 1952486, 1965358, 1967042, 9328, D2017, D2107, D4123 | **Italacciai** SD119 | **Lucas Indiel** 223254

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai MTA1201

99.0454.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Silverado (1981)

OEM *ORIGINAL*

Cargo 131429 | **Delco Remy** 1893443, 1893445, 1975194, 1985564, D2027, D2035, S5894 | **Facet** 10631 | **Harley Davidson** 3153966 | **Lester** 3601, 3725, 3741, 3742, 3764, 6305, 6343, 6346, 6541 | **Lucas Indiel** 223659 | **WAI** 54106

99.0455.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**72.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort GL (L4 1.9 Gasolina / Gasoline, 1985), Escort GL (L4 1.9 Gasolina / Gasoline, 1987), Escort GL (L4 1.9 Gasolina / Gasoline, 1988), Escort GT (L4 1.9 Gasolina / Gasoline, 1986), Escort GT (L4 1.9 Gasolina / Gasoline, 1987), Escort GT (L4 1.9 Gasolina / Gasoline, 1988), Escort GT (L4 1.9 Gasolina / Gasoline, 1989), Escort GT (L4 1.9 Gasolina / Gasoline, 1990), Escort L (L4 1.9 Gasolina / Gasoline, 1985), Escort L (L4 1.9 Gasolina / Gasoline, 1986), Escort LX (L4 1.9 Gasolina / Gasoline, 1986), Escort LX (L4 1.9 Gasolina / Gasoline, 1988), Escort LX (L4 1.9 Gasolina / Gasoline, 1989), Escort LX (L4 1.9 Gasolina / Gasoline, 1990), Escort Pony (L4 1.9 Gasolina, 1987), Escort Pony (L4 1.9 Gasolina / Gasoline, 1988), Escort Pony (L4 1.9 Gasolina / Gasoline, 1989), Escort Pony (L4 1.9 Gasolina / Gasoline, 1990) | **Mercury** Lynx XR3 (L4 1.9 Gasolina / Gasoline, 1986), Lynx XR3 (L4 1.9 Gasolina / Gasoline, 1987)

OEM *ORIGINAL*

Bosch 1987BE0014 | **Ford** E6EF11350AA, E6FZ11350A | **Lester** 3196

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E3FZ11002A, E6EF11001AA, E6FZ11002A

99.0458.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.60**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C2, C3

OEM *ORIGINAL*

Lucas Indiel 221192 | **Paris Rhone** 54457

99.0459.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.20**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504 (Diesel, 1.3 Ton)

OEM *ORIGINAL*

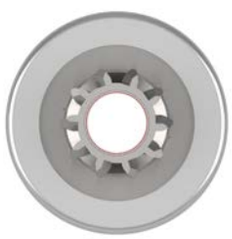
Bosch 1987BE0015 | **Lucas Indiel** 35257707

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 290996200

99.0460.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.35**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**19.30**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Granada (2.5 D), Sierra (2.3 D) | **Peugeot** 404 (D), 504 (D), 505 (D), 604 (TD) | **Talbot** Tagora (TD)

OEM *ORIGINAL*

Bosch 2006209431 | **Italacciai** SD350, SD354 | **Lester** 16752 | **Lucas Indiel** 223256

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359021, 0001362081, 0001362602, 0001362603, 0001362606, 0001362607

99.0462.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**68.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Borgward Especial / Special | **Peugeot** Especial / Special

OEM *ORIGINAL*

Lucas Indiel 227336, 35257336

99.0463.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge Dodge 1500 | **Fenwick** Lift 105, NJ403, TJ403 | **Peugeot** 404, 404 / 8, 504, J7 | **Saxby** Chariot PAC / VAC

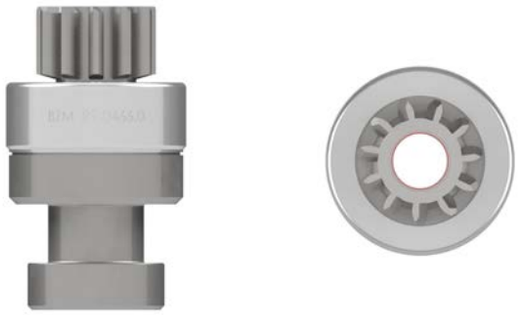
OEM *ORIGINAL*

Bendix 281025, 293422 | **Ducellier** 73893 | **Italacciai** SD040 | **Lucas Indiel** 227344 | **Paris Rhone** 103790, 97584 | **Valeo** NE563, NE584

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 6020, 6020E, 6020F, 6035, 6035F, 6081, 6081E, 6081F

99.0466.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**25.60**
IS Ø Interno da Estria	**21.20**
L Comprimento	**101.00**

99.0467.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (GL), Escort Guarujá (Argentino / Argentine) (Partida / Start Indiel), Ghia (1.6), Ghia (1.8) | **Renault** Clio (Partida / Start Lucas Indiel) | **Volkswagen** Carat, Gacel (GL), Gacel (GS), Gol, Santana, Senda

OEM *ORIGINAL*

Bosch 1987BE0040 | **Lucas Indiel** 227783, 228133, 35257521, 35257783, 35258133

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35257510, 35257790, 35257890, 35258060, 35258180, 35258290, 35258340

99.0468.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault 19 (1.6), 21, 21 GTX, CL3 (1.6 Argentino / Argentine), Fuego (Motor 2000 Argentino / Argentine), Fuego (Motor 2000 Brasileiro / Brazilian / Brasileño), Linea 21 (2.2), R11, R12, R18, R19, R9, RFS, Trafic (2.2)

OEM *ORIGINAL*

Bosch 1987BE0016 **| Lucas Indiel** 227785, 228139, 35257525, 35258139

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258380

99.0469.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**63.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Sierra Ghia (1.6), Sierra L (1.6) **| Volkswagen** Apollo Classic

OEM *ORIGINAL*

Lucas Indiel 228134, 35257650, 35258393

99.0470.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.30**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.60**
L Comprimento	**93.00**

OEM *ORIGINAL*

Bosch 2331243601

99.0471.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.00**

OEM *ORIGINAL*

Bosch 2006209225

99.0474.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 4000 (TD), 80 (1.6 D), 80 (1.6 TD) **| Opel** Astra (1.7 D), Kadett D (1.7 D), Kadett E (1.7 D), Vectra **| Vauxhall** Astra D, Cavalier D **| Volkswagen** Passat, Quantum, Santana

OEM *ORIGINAL*

Bosch 9001066239

99.0475.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6), A3 (1.8), A3 (2.0), A6 (1.6), A6 (1.8), A6 (2.0) **| BMW** 316i, 318i, 320i, 325i, 518i, 520i, 523i, 525i, 528i, 728i **| Ford** Holden Commodore VL, Laser, Meteor, Transit (1.6), Transit (2.0) **| Jaguar** Daimler, Sovereign (2.9), Sovereign (3.6) **| Land Rover** Defender (2.5) **| Lombardini** 9LD 625 **| Mazda** 323 (1.3), 323 (1.5 626 / EGI) **| Nissan**

Skyline (Austrália / Australia) **| Toyota** Corolla

OEM *ORIGINAL*

BMW 12411721281, 12411726031 **| Bosch** 1006209534, 1006209547, 1006209549, 1006209554, 1006209559, 9001066242, 9001066247, 9001066248, 9001066476, 9001690111 **| Lester** 17148, 17149, 17236, 17237 **| Lucas Indiel** 223259, TMB554 **| WAI** 549161

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107033, 0001108042, 0001108054, 0001108063, 0001108065, 0001108100, 0001108108, 0001108115, 0001108117, 0001108129, 0001108131, 0001108145, 0001109009, 0001110011, 0001110028, 0001110041, 0001110042, 0001110111, 0001115035

99.0480.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge 950, Cargo Serie D, Cargo Serie K **| Massey Ferguson** Trator / Tractor

OEM *ORIGINAL*

Cargo 132285 **| Lester** 16608, 17647, 18264 **| Lucas Indiel** 54247393, 54268139, 54290585, TMB148 **| Magneti Marelli** 85541462, 85541466 **| Visnova** 254485

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 27500A/J, 27504A/B, 27506A/D, 27507A/B, 27511A, 27516A/D, 27528A/D, 27553A/D, 27554A/B, 27562A/B

99.0482.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 164 (2.0), 164 (3.0), 33 (1.3), 33 (1.5), 33 (1.6), 75 (2.0), 90 (2.0) **| Audi** 100, 100 (INJ), 200, 80 (1.6), 80 (1.8), 80 (1.9), 80 (D), 80 (INL), 80 (TD), 90, 90 (D), Coupé (1.6), Quattro **| BMW** 325e, 325i, 525e, 90, 900, 900 (INJ),

900 (Turbo), 900 (Turbo 16), 9000 **|** **Citroën** AX (07/1993→), BX14 (07/1993→), BX16 (07/1993→), LNA 11 (07/1993→), Visa 10 (07/1993→), Visa 11 (07/1993→), Visa 14 ZX (1.9i, 07/1993→), Visa 14 ZX (2.0i, 07/1993→) **|** **Fiat** Marea (ELX 1.9 JTD), Marea Weekend (ELX 1.9 JTD), Palio (ELX Turbo Diesel), Palio (EX Turbo Diesel), Palio (SX 1.7 Turbo Diesel), Palio Weekend (ELX Turbo Diesel), Panda (1000), Panda (750), Siena (ELX Turbo Diesel), Siena (EX Turbo Diesel), Stilo (1.9 JTD), Strada (1.7 Turbo Diesel), Uno 45 **|** **Ford** Capri (2.3), Granada (2.0), Granada (2.3), Granada (2.4), Granada (2.8), Granada (2.9), Scorpio (2.4), Scorpio (2.8), Scorpio (2.8 INJ), Scorpio (2.9), Scorpio (2.9 4x4), Sierra (2.0), Sierra (2.3), Sierra (2.3 INJ), Sierra (2.8), Sierra (2.8 4x4), Sierra (2.9) **|** **General Motors/Chevrolet** Corsa (1.0), Corsa (1.4), Omega (3.0), Omega (4.1), Omega Suprema (2.2), Omega Suprema (3.0), Silverado (4.1) **|** **Lancia** Thema (8.32) **|** **Mercedes-Benz** 190, 190E, 200, 230 **|** **Opel** Ascona (C20), Ascona (Diesel), Kadett (Diesel), Omega (1.8), Omega (2.0) **|** **Peugeot** 205, 305, 309, 405, 505 **|** **Renault** R11, R18, R18 (Turbo), R9, Trafic, Twingo I (1.2 1239cc C3G, 1992~1997) **|** **Volkswagen** Derby, Gol, Golf (1.1), Golf (1.3), Jetta (1.3), Kombi, Passat (1.6), Passat (1.8), Perua / Camioneta / Station Wagon (USA) (1.6 Diesel), Polo (1.0 Diesel), Polo (1.3 Diesel), Santana, Scirocco, Transporter (1.6 Diesel), Voyage **|** **Volvo** 740 (2.0), 740 (2.3)

OEM *ORIGINAL*

BMW 12411722844 **|** **Bosch** 1006209503, 1006209504, 1006209506, 1006209509, 1006209513, 1006209526, 1006209528, 1006209530, 1006209531, 1006209533, 1006209536, 1006209548, 1006209563, 1006209567, 1006209570, 1006209572, 1006209573, 1006209582, 1006209597, 1006209598, 1006209619, 1006209684, 1006209685, 1006209693, 1006209694, 1006209700, 1006209701, 1006209702, 1006209705, 1006209709, 1006209711, 1006209906, 1006209939, F000AL1514, F000AL1516, F000AL1534, F000AL1698, F000AL1700, F000AL1877 **|** **Cargo** 131104, 132658, 333176 **|** **Fiat** 9941314 **|** **Ford** 82GB11350AA, 87GB11350BA **|** **General Motors/Chevrolet** 90273737 **|** **Italacciai** SD437 **|** **Lester** 16401, 16408, 16619, 16952, 16956, 16980, 17011, 17013, 17039, 17124, 17135, 17140, 17157, 17163, 17164, 17165, 17225, 17406, 17407, 17408, 17508, 17576, 17664, 17699 **|** **Lucas Indiel** 223261, TMB455, TMB570 **|** **Mercedes-Benz** 0001519113 **|** **Saab** 7527724 **|** **Volkswagen** 026911335, 026911335A, 02A911023, 035911335B, 035911335C, 036911335A, 049911335A, 068911335B, 068911335E, 068911335H **|** **Volvo** 1363534 **|** **WAI** 549140

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108001, 0001108002, 0001108003, 0001108007, 0001108009, 0001108010, 0001108011, 0001108012, 0001108016, 0001108017, 0001108018, 0001108019, 0001108022, 0001108023, 0001108024, 0001108026, 0001108027, 0001108028, 0001108029, 0001108030, 0001108031, 0001108035, 0001108038, 0001108043, 0001108044, 0001108047, 0001108048, 0001108051, 0001108052, 0001108053, 0001108056, 0001108061, 0001108062, 0001108064, 0001108072, 0001108073, 0001108074, 0001108078, 0001108079, 0001108080, 0001108081, 0001108085, 0001108086, 0001108088, 0001108089, 0001108090, 0001108093, 0001108098, 0001108101, 0001108102, 0001108107, 0001108112, 0001108113, 0001108120, 0001108124, 0001108125, 0001108126, 0001108130, 0001108136, 0001108143, 0001108148, 0001108149, 0001108150, 0001108153, 0001110012, 0001110022, 0001110023, 0001110027, 0001110029, 0001110030, 0001110045, 0001110046, 0001110048, 0001110049, 0001110052, 0001110100, 0001110101, 0001110106, 0001110107, 0001110122, 0001110128, 0001112005, 0001112007, 0001112008, 0001112013, 0001112021, 0001112025, 0001112027, 0001112028, 0001112029, 0001113001, 0001113004, 0001113007, 0001113013, 0001114003, 0001114004, 0001114015, 0001114016, 0001208501, 0001208507, 0001208510, 0001208515, 0001208516, 0001208517, 0001208518, 0001208528, 0001208705, 0001208707, 0001208709, 0001208710, 0001208711, 0001208713, 0001208714, 0001208717, 0001211500, 0001211501, 0001211502, 0001211503, 0001211504, 0001211505, 0001211510, 0001211514, 0001211525, 0001211536, 9000333104, 9000333106, 9000333109, 9000333114, 9000333117

99.0485.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**100.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Valmet 1100, 500, 542, 700, 900, 912

OEM *ORIGINAL*

Lucas 54243741, TMB118 | **Lucas Indiel** 54246741

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26284A/E, 26342A/B, 26342D/L

99.0486.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Austin Morris 1100 | **Bedford** Caminhão / Truck / Camión | **Chrysler** Dodge Ranger (DKC), Dodge Ranger (DKCF), Dodge Ranger (DVC), Dodge Ranger (KC), Dodge Ranger (KCF), Dodge Ranger (VC), Dodge Ranger (WC) | **Dodge** Caminhão / Truck / Camión

OEM *ORIGINAL*

Lester 16669, 16984, 17648, 17653, 18262 | **Lucas Indiel** 223262, 54247389, 54268142, 60600038, TMB121, TNB169

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26233K/M, 26286F/J, 26320D/J, 26335A, 26348A/D, 270508, 27419A/D, 27436A, 27443A, 27449A/D, 27462A/B, 27508A/D, 27509A/B, 27533A/E, 27543A/D, 27545A/B, 27546A/B, 27551A/B, 27552A/B, 27556A, 27558A/E, 27575

99.0492.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**95.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Trator / Tractor 6300 | **Mercedes-Benz** 190E, 200, 230

OEM *ORIGINAL*

Lucas Indiel 227816, 35257816

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35256424, 35257655, 35258670

99.0495.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Windrower (6000 225 Gasolina / Gasoline, 1985~1992), Windrower (6500 225 Gasolina / Gasoline, 1985~1992) | **Chrysler** 300 (V8 7.2L 440cid, 1966~1971), 300 (V8 7.2L 7211cc 440cid, 1966~1971), 300 (V8 7.2L 7212cc 440cid, 1970~1971), Cordoba (L6 3.7L 3678cc 225cid, 1980~1983), Cordoba (V8 5.2L 318cid, 1975~1983), Cordoba (V8 5.9L 360cid, 1975~1980), Cordoba (V8 6.6L 400cid, 175~1978), Fifth Avenue (L6 3.7L 3687cc 225cid, 1983), Fifth Avenue (V8 5.2L 318cid, 1983~1987), Imperial (V8 5.2L 318cid, 1981~1983), Imperial (V8 7.2L 440cid, 1966~1975), Imperial (V8 7.2L 7211cc 440cid, 1966~1974), Imperial (V8 7.2L 7212cc 440cid, 1970~1974), LeBaron (L6 3.7L 3687cc 225cid, 1978~1981), LeBaron (V8 5.2L 318cid, 1977~1981), LeBaron (V8 5.9L 360cid, 1978~1979), New Yorker (L6 3.7L 3687cc 225cid, 1982), New Yorker (V8 5.2L 318cid, 1979~1982), New Yorker (V8 5.9L 360cid, 1977~1980), New Yorker (V8 6.6L 400cid, 1972), New Yorker (V8 6.6L 400cid, 1975~1978), New Yorker (V8 6.6L 6555cc 400cid, 1972), New Yorker (V8 7.2L 440cid, 1968~1978), New Yorker (V8 7.2L 7211cc 440cid, 1966~1974), New Yorker (V8 7.2L 7212cc 440cid, 1970~1974), Newport (L6 3.7L 3687cc 225cid, 1979~1981), Newport (V8 5.2L 318cid, 1979~1981), Newport (V8 5.9L 360cid, 1971~1972), Newport (V8 5.9L 360cid, 1974~1980), Newport (V8 5.9L 5899cc 360cid, 1971~1974), Newport (V8 5.9L 5900cc 360cid, 1971~1972), Newport (V8 5.9L 5900cc 360cid, 1974), Newport (V8 6.3L 383cid, 1969~1971), Newport (V8 6.3L 6286cc 383cid, 1969~1971), Newport (V8 6.6L 400cid, 1972~1978), Newport (V8 6.6L 6555cc 400cid, 1972~1974), Newport (V8 7.2L 440cid, 1967~1978), Newport (V8 7.2L 7211cc 440cid, 1966~1974), Newport (V8 7.2L 7212cc 440cid, 1970~1974), Town & Country (L6 3.7L 3687cc 225cid, 1978~1981), Town & Country (V8 5.9L 360cid, 1978~1979), Town & Country (V8 6.3L 383cid, 1968~1971), Town & Country (V8 6.3L 6286cc 383cid, 1968~1971), Town & Country (V8 6.6L 400cid, 1972), Town & Country (V8 6.6L 400cid, 1975~1977), Town & Country (V8 6.6L 6555cc 400cid, 1972~1974), Town & Country (V8 6.6L 6556cc 400cid, 1972), Town & Country (V8 7.2L 440cid, 1968~1977), Town & Country (V8 7.2L 7211cc 440cid, 1968~1974), Town & Country (V8 7.2L 7212cc 440cid, 1970~1974) | **Cockshutt** 5542 (Chrysler 8383, 1969~1971), 555 (Chrysler 383, 1969~1971) | **Dodge** 330 (V8 4.5L 4473cc 273cid, 1964), 330 (V8 5.2L 5212cc 318cid, 1963~1964), 440 (V8 4.5L 4473cc 273cid, 1964), 440 (V8 5.2L 5212cc 318cid, 1963~1964), 880 (V8 4.5L 4473cc 273cid, 1964), 880 (V8 5.2L 5212cc 318cid, 1963~1964), A100 Truck (V8 5.2L 318cid, 1967~1970), Aspen (L6 3.7L 3687cc 225cid, 1976~1980), Aspen (V8 5.2L 318cid, 1976~1980), CB300 (V8 5.9L 360cid VIN K, 1980), CB300 (V8 5.9L 360cid VIN T, 1980), Challenger (L6 3.7L 225cid, 1970), Challenger (L6 3.7L 3687cc 225cid, 1970~1972), Challenger (V8 5.2L 318cid, 1970~1974), Challenger (V8 5.2L 5212cc 318cid, 1970~1974), Charger (L6 3.7L 225cid, 1972), Charger (L6 3.7L 3687cc 225cid, 1972~1974), Charger (L6 3.7L 3687cc 225cid, 1976), Charger (V8 5.2L 318cid, 1967~1978), Charger (V8 5.2L 5212cc 318cid, 1966~1974), Coronet (L6 3.7L 225cid, 1972), Coronet (L6 3.7L 3687cc 225cid, 1972~1976), Coronet (V8 5.2L 318cid, 1965~1976), Coronet (V8 5.2L 5212cc 318cid, 1965~1974), Custom (V8 4.5L 4473cc 273cid, 1964~1965), Custom (V8 5.2L 5212cc 318cid, 1962~1965), D100 (L6 3.7L 3687cc 225cid, 1975~1979), D100 (L6 3.7L 3687cc 225cid, 1986~1987), D100 (V8 5.2L 5211cc 318cid, 1975~1979), D100 (V8 5.2L 5211cc 318cid, 1986~1987), D100 (V8 5.9L 360cid, 1975~1979), D100 (V8 5.9L 360cid, 1986~1987), D100 (V8 6.6L 400cid, 1976~1978), D100 (V8 7.2L 440cid, 1975~1978), D100 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), D100 Pick Up (V8 5.2L 318cid, 1969~1974), D100 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), D100 Pick Up (V8 5.9L 360cid, 1971~1974), D100 Pick Up (V8 5.9L 5899cc 360cid, 1971~1974), D100 Pick Up (V8 5.9L 5900cc 360cid, 1971~1974), D100 Pick Up (V8 6.3L 383cid, 1968~1971), D100 Pick Up (V8 6.3L 6286cc 383cid, 1968~1971), D100 Pick Up (V8 6.6L 400cid, 1971~1974), D100 Pick Up (V8 6.6L 6555cc 400cid, 1971~1974), D100 Pick Up (V8 6.6L 6556cc 400cid, 1971~1974), D100 Pick Up (V8 7.2L 440cid, 1973~1974), D100 Pick Up

(V8 7.2L 7211cc 440cid, 1973~1974), D100 Pick Up (V8 7.2L 7212cc 440cid, 1973~1974), D100 Series (V8 6.3L 6286cc 383cid, 1963~1967), D150 (L6 3.7L 3687cc 225cid, 1977~1987), D150 (V8 5.2L 5211cc 318cid, 1977~1987), D150 (V8 5.9L 360cid, 1977~1982), D150 (V8 5.9L 360cid, 1984~1987), D150 (V8 6.6L 400cid, 1977~1978), D150 (V8 7.2L 440cid, 1978), D200 (L6 3.7L 3687cc 225cid, 1975~1980), D200 (V8 5.2L 5211cc 318cid, 1975~1980), D200 (V8 5.9L 360cid, 1975~1980), D200 (V8 6.6L 400cid, 1975~1978), D200 (V8 7.2L 440cid, 1975~1978), D200 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), D200 Pick Up (V8 5.2L 318cid, 1969~1974), D200 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), D200 Pick Up (V8 5.9L 360cid, 1971~1974), D200 Pick Up (V8 5.9L 5899cc 360cid, 1971~1974), D200 Pick Up (V8 5.9L 5900cc 360cid, 1971~1974), D200 Pick Up (V8 6.3L 383cid, 1968~1971), D200 Pick Up (V8 6.3L 6286cc 383cid, 1968~1971), D200 Pick Up (V8 6.6L 400cid, 1971~1974), D200 Pick Up (V8 6.6L 6555cc 400cid, 1971~1974), D200 Pick Up (V8 6.6L 6556cc 400cid, 1971~1974), D200 Pick Up (V8 7.2L 440cid, 1973~1974), D200 Pick Up (V8 7.2L 7211cc 440cid, 1973~1974), D200 Pick Up (V8 7.2L 7212cc 440cid, 1973~1974), D200 Series (V8 6.3L 6286cc 383cid, 1963~1967), D250 (L6 3.7L 3687cc 225cid, 1981~1987), D250 (V8 5.2L 5211cc 318cid, 1981~1987), D250 (V8 5.9L 360cid, 1981~1982), D250 (V8 5.9L 360cid, 1984~1987), D300 (L6 3.7L 3687cc 225cid, 1975~1978), D300 (V8 5.2L 5211cc 318cid, 1975~1980), D300 (V8 5.9L 360cid, 1975~1980), D300 (V8 6.6L 400cid, 1976~1978), D300 (V8 7.2L 440cid, 1975~1978), D300 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), D300 Pick Up (V8 5.2L 318cid, 1969~1974), D300 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), D300 Pick Up (V8 5.9L 360cid, 1971~1974), D300 Pick Up (V8 5.9L 5899cc 360cid, 1971~1974), D300 Pick Up (V8 5.9L 5900cc 360cid, 1972~1974), D300 Pick Up (V8 6.3L 383cid, 1968~1971), D300 Pick Up (V8 6.3L 6286cc 383cid, 1968~1971), D300 Pick Up (V8 6.6L 400cid, 1971~1974), D300 Pick Up (V8 6.6L 6555cc 400cid, 1971~1974), D300 Pick Up (V8 6.6L 6556cc 400cid, 1971~1974), D300 Pick Up (V8 7.2L 440cid, 1973~1974), D300 Pick Up (V8 7.2L 7211cc 440cid, 1973~1974), D300 Pick Up (V8 7.2L 7212cc 440cid, 1973~1974), D300 Series (V8 6.3L 6286cc 383cid, 1963~1967), D350 (V8 5.2L 5211cc 318cid, 1981~1983), D350 (V8 5.9L 360cid, 1981~1987), D400 (V8 5.9L 360cid, 1978~1981), D400 (V8 7.2L 440cid, 1978), D450 (V8 5.9L 360cid, 1978~1981), D450 (V8 7.2L 440cid, 1978), Dakota (V6 3.9L 3906cc 239cid, 1987), Dart (L6 3.2L 198cid, 1973~1974), Dart (L6 3.2L 3254cc 198cid, 1973~1974), Dart (L6 3.7L 3687cc 225cid, 1972~1976), Dart (V8 4.5L 273cid, 1964~1969), Dart (V8 4.5L 4473cc 273cid, 1964~1969), Dart (V8 5.2L 318cid, 1962), Dart (V8 5.2L 318cid, 1967~1976), Dart (V8 5.2L 5212cc 318cid, 1962~1963), Dart (V8 5.2L 5212cc 318cid, 1966~1974), Dart (V8 5.6L 340cid, 1968~1973), Dart (V8 5.6L 5572cc 340cid, 1968~1973), Diplomat (L6 3.7L 3687cc 225cid, 1978~1983), Diplomat (V8 5.2L 318cid, 1977~1987), Diplomat (V8 5.2L 5211cc 318cid, 1983), Diplomat (V8 5.2L 5211cc 318cid, 1985), Magnum (V8 5.2L 318cid, 1978~1979), Mirada (L6 3.7L 3687cc 225cid, 1980~1983), Mirada (V8 5.2L 318cid, 1980~1983), Monaco (L6 3.7L 3687cc 225cid, 1977~1978), Monaco (V8 5.2L 318cid, 1968~1970), Monaco (V8 5.2L 318cid, 1975~1978), Monaco (V8 5.2L 5212cc 318cid, 1968~1974), P200 (L6 3.7L 3687cc 225cid, 1970~1972), P300 (L6 3.7L 3687cc 225cid, 1970~1972), P300 (V8 5.9L 360cid, 1971~1972), Polara (L6 3.7L 225cid, 1970~1971), Polara (L6 3.7L 3687cc 225cid, 1970~1971), Polara (V8 4.5L 4473cc 273cid, 1964~1966), Polara (V8 5.2L 318cid, 1968~1973), Polara (V8 5.2L 5212cc 318cid, 1962~1973), Ramcharger (L6 3.7L 3687cc 225cid, 1974~1980), Ramcharger (V8 5.2L 318cid, 1974), Ramcharger (V8 5.2L 5211cc 318cid, 1975~1987), Ramcharger (V8 5.2L 5212cc 318cid, 1974), Ramcharger (V8 5.9L 360cid, 1974~1981), Ramcharger (V8 5.9L 360cid, 1984~1987), Ramcharger (V8 5.9L 5899cc 360cid, 1974), Ramcharger (V8 6.6L 400cid, 1974), Ramcharger (V8 6.6L 400cid, 1976~1978), Ramcharger (V8 6.6L 6555cc 400cid, 1974), Ramcharger (V8 6.6L 6556cc 400cid, 1974), Ramcharger (V8 7.2L 440cid, 1974~1978), Ramcharger (V8 7.2L 7211cc 440cid, 1974), Ramcharger (V8 7.2L 7212cc 440cid, 1974), Royal Monaco (V8 5.2L 318cid, 1975), Royal Monaco (V8 5.2L 318cid, 1977), St. Regis (L6 3.7L 3687cc 225cid, 1979~1981), St. Regis (V8 5.2L 318cid, 1979~1981), Todos os modelos Chrysler / All Chrysler model / Todos los modelos Chrysler (5.9L-360-V8, 1973~1977), Todos os modelos Chrysler / All Chrysler model / Todos los modelos Chrysler (6.3L-383-V8, 1963~1976), Todos os modelos Chrysler / All Chrysler model / Todos los modelos Chrysler (6.6L-400-V8, 1973~1977), Todos os modelos Chrysler / All Chrysler model / Todos los modelos Chrysler (6.8L-413-V8, 1963~1976), Todos os modelos Chrysler / All Chrysler model / Todos los modelos Chrysler (7.2L-440-V8, 1973~1977), Van A100 (V8 5.2L 5212cc 318cid, 1970), Van B100 (L6 3.2L 198cid, 1971), Van B100 (L6 3.2L 3254cc 198cid, 1971~1972), Van B100 (L6 3.7L 225cid, 1971), Van B100 (L6 3.7L 3687cc 225cid, 1971~1974), Van B100 (L6 3.7L 3687cc 225cid, 1975~1980), Van B100 (V8 5.2L 318cid, 1971~1974), Van B100 (V8 5.2L 5211cc 318cid, 1975~1980), Van B100 (V8 5.2L 5212cc 318cid, 1971~1974), Van B150 (L6 3.7L 3687cc 225cid, 1981~1987), Van B150 (V8 5.2L 5211cc 318cid, 1981~1987), Van B200 (L6 3.2L 198cid, 1971), Van B200 (L6 3.2L 3254cc 198cid, 1971~1972), Van B200 (L6 3.7L 225cid, 1971), Van B200 (L6 3.7L 225cid, 1979), Van B200 (L6 3.7L 3687cc 225cid, 1971~1974), Van B200 (L6 3.7L 3687cc 225cid, 1975~1978), Van B200 (L6 3.7L 3687cc 225cid, 1980), Van B200 (V8 5.2L 318cid, 1971~1974), Van B200 (V8 5.2L 5211cc 318cid, 1975~1980), Van B200 (V8 5.2L 5212cc 318cid, 1971~1974), Van B250 (L6 3.7L 3687cc 225cid, 1981~1987), Van B250 (V8 5.2L 5211cc 318cid, 1981~1987), Van B300 (L6 3.7L 225cid, 1971), Van B300 (L6 3.7L 225cid, 1980), Van B300 (L6 3.7L 3687cc 225cid, 1971~1974), Van B300 (L6 3.7L 3687cc 225cid, 1975~1979), Van B300 (V8 5.2L 318cid, 1971~1974), Van B300 (V8 5.2L 5211cc 318cid, 1975~1980), Van B300 (V8 5.2L 5212cc 318cid, 1971~1974), Van B350 (V8 5.2L 5211cc 318cid, 1981~1987), W100 (L6 3.7L 3687cc 225cid, 1975~1977), W100 (L6 3.7L 3687cc 225cid, 1986~1987), W100 (V8 5.2L 5211cc 318cid, 1975~1977), W100 (V8 5.2L 5211cc 318cid, 1986~1987), W100 (V8 5.9L 360cid, 1975~1977), W100 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), W100 Pick Up (V8 5.2L 318cid, 1969~1974), W100 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), W150 (L6 3.7L 3687cc 225cid, 1978~1987), W150 (V8 5.2L 5211cc 318cid, 1977~1987), W200 (L6 3.7L 3687cc 225cid, 1975~1980), W200 (V8 5.2L 318cid, 1975), W200 (V8 5.2L 5211cc 318cid, 1975~1980), W200 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), W200 Pick Up (V8 5.2L 318cid, 1969~1974), W200 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), W250 (V8 5.2L 5211cc 318cid, 1981~1987), W300 (L6 3.7L 3687cc 225cid, 1975~1978), W300 (V8 5.2L 5211cc 318cid, 1975~1978), W300 (V8

5.2L 5211cc 318cid, 1980), W300 Pick Up (L6 3.7L 3687cc 225cid, 1969~1974), W300 Pick Up (V8 5.2L 318cid, 1969~1974), W300 Pick Up (V8 5.2L 5212cc 318cid, 1969~1974), W350 (V8 5.2L 5211cc 318cid, 1982~1983) | **Plymouth** Barracuda (V8 5.2L 318cid, 1968~1974), Barracuda (V8 5.2L 5212cc 318cid, 1968~1974), Barracuda (V8 5.6L 340cid, 1968~1969), Barracuda (V8 5.6L 340cid, 1972~1973), Barracuda (V8 5.6L 5572cc 340cid, 1968~1973), Barracuda (V8 5.9L 5899cc 360cid, 1974), Barracuda (V8 5.9L 5900cc 360cid, 1974), Barracuda (V8 5.9L 5917cc 361cid, 1964), Belvedere (L6 3.7L 225cid, 1970), Belvedere (L6 3.7L 3687cc 225cid, 1962~1970), Belvedere (V8 4.5L 4473cc 273cid, 1964~1965), Belvedere (V8 5.2L 318cid, 1968~1970), Belvedere (V8 5.2L 5212cc 318cid, 1964~1970), Belvedere (V8 7.0L 6981cc 426cid, 1966), Belvedere II (L6 3.7L 3687cc 225cid, 1965~1967), Belvedere II (V8 4.5L 273cid, 1965), Belvedere II (V8 5.2L 318cid, 1965~1967), Belvedere II (V8 5.9L 361cid, 1966), Belvedere II (V8 7.0L 426cid, 1966), Caravelle (L6 3.7L 3687cc 225cid, 1978~1983), Caravelle (V8 5.2L 318cid, 1978~1987), Cuda (V8 5.2L 318cid, 1972~1974), Cuda (V8 5.2L 5212cc 318cid, 1972~1974), Cuda (V8 5.6L 340cid, 1970~1973), Cuda (V8 5.6L 5572cc 340cid, 1970~1973), Duster (L6 3.7L 225cid, 1970~1972), Duster (L6 3.7L 3687cc 225cid, 1970~1976), Duster (V8 5.2L 318cid, 1970~1976), Duster (V8 5.2L 5212cc 318cid, 1970~1974), Duster (V8 5.9L 360cid, 1974~1976), Duster (V8 5.9L 5899cc 360cid, 1974), Duster (V8 5.9L 5900cc 360cid, 1974), Fleet Special (L6 3.7L 3687cc 225cid, 1962~1963), Fleet Special (V8 5.9L 5917cc 361cid, 1962~1963), Fury (L6 3.7L 225cid, 1970~1971), Fury (L6 3.7L 3687cc 225cid, 1964~1978), Fury (V8 4.5L 273cid, 1965), Fury (V8 4.5L 4473cc 273cid, 1964~1965), Fury (V8 5.2L 318cid, 1965~1973), Fury (V8 5.2L 318cid, 1975~1978), Fury (V8 5.2L 5212cc 318cid, 1964~1974), Fury (V8 5.9L 361cid, 1962~1965), Fury (V8 5.9L 5917cc 361cid, 1962~1965), Fury I (L6 3.7L 225cid, 1970~1972), Fury I (L6 3.7L 3687cc 225cid, 1968~1974), Fury I (V8 5.2L 318cid, 1968~1973), Fury I (V8 5.2L 5212cc 318cid, 1968~1974), Fury II (L6 3.7L 225cid, 1970~1971), Fury II (L6 3.7L 3687cc 225cid, 1965~1970), Fury II (V8 4.5L 273cid, 1965), Fury II (V8 5.2L 318cid, 1965~1973), Fury II (V8 5.2L 5212cc 318cid, 1968~1974), Fury III (L6 3.7L 225cid, 1970~1971), Fury III (L6 3.7L 3687cc 225cid, 1965~1973), Fury III (V8 4.5L 273cid, 1965), Fury III (V8 5.2L 318cid, 1965~1973), Fury III (V8 5.2L 5212cc 318cid, 1968~1974), Gran Fury (L6 3.7L 3687cc 225cid, 1980~1983), Gran Fury (V8 5.2L 318cid, 1972~1973), Gran Fury (V8 5.2L 318cid, 1975~1977), Gran Fury (V8 5.2L 318cid, 1980~1987), Gran Fury (V8 5.2L 5211cc 318cid, 1985), Gran Fury (V8 5.2L 5212cc 318cid, 1972~1974), GTX (V8 4.5L 4473cc 273cid, 1967), GTX (V8 5.2L 318cid, 1968), GTX (V8 5.2L 5212cc 318cid, 1967~1968), GTX (V8 7.0L 6981cc 426cid, 1967), PB100 (L6 3.7L 3687cc 225cid VIN N, 1980), PB100 (V8 5.2L 5211cc 318cid VIN E, 1980), PB150 (L6 3.7L 3687cc 225cid VIN E, 1981~1982), PB150 (L6 3.7L 3687cc 225cid VIN H, 1983), PB150 (V8 5.2L 5211cc 318cid VIN R, 1981), PB150 (V8 5.2L 5211cc 318cid VIN T, 1983), PB200 (L6 3.7L 3687cc 225cid VIN N, 1980), PB200 (V8 5.2L 5211cc 318cid VIN E, 1980), PB200 (V8 5.2L 5211cc 318cid VIN P, 1980), PB200 (V8 5.9L 360cid VIN T, 1980), PB250 (L6 3.7L 3687cc 225cid VIN E, 1981~1982), PB250 (L6 3.7L 3687cc 225cid VIN H, 1983), PB250 (V8 5.2L 5211cc 318cid VIN P, 1981~1982), PB250 (V8 5.2L 5211cc 318cid VIN R, 1981~1982), PB250 (V8 5.2L 5211cc 318cid VIN T, 1983), PB250 (V8 5.2L 5211cc 318cid VIN U, 1983), PB250 (V8 5.9L 360cid VIN T, 1981), PB300 (V8 5.2L 5211cc 318cid VIN E, 1980), PB300 (V8 5.9L 360cid VIN T, 1980), PB350 (V8 5.2L 5211cc 318cid VIN P, 1981~1982), PB350 (V8 5.2L 5211cc 318cid VIN R, 1981~1982), PB350 (V8 5.2L 5211cc 318cid VIN T, 1983), PB350 (V8 5.2L 5211cc 318cid VIN U, 1983), PB350 (V8 5.9L 360cid VIN 1, 1983), PB350 (V8 5.9L 360cid VIN T, 1981~1982), PB350 (V8 5.9L 360cid VIN U, 1982), PB350 (V8 5.9L 360cid VIN W, 1983), Roadrunner (V8 5.2L 318cid, 1968), Roadrunner (V8 5.2L 318cid, 1972~1975), Roadrunner (V8 5.2L 5212cc 318cid, 1968~1974), Satellite (L6 3.7L 225cid, 1971~1972), Satellite (L6 3.7L 3687cc 225cid, 1966~1974), Satellite (V8 4.5L 273cid, 1968), Satellite (V8 4.5L 4473cc 273cid, 1965~1968), Satellite (V8 5.2L 318cid, 1968~1974), Satellite (V8 5.2L 5212cc 318cid, 1965~1974), Satellite (V8 5.9L 360cid, 1974), Satellite (V8 5.9L 5899cc 360cid, 1974), Satellite (V8 5.9L 5900cc 360cid, 1974), Satellite (V8 5.9L 5917cc 361cid, 1965~1966), Savoy (L6 3.7L 3687cc 225cid, 1962~1964), Savoy (V8 4.5L 4473cc 273cid, 1964), Savoy (V8 5.2L 5212cc 318cid, 1964), Savoy (V8 5.9L 5917cc 361cid, 1962~1964), Scamp (L6 3.2L 198cid, 1971~1974), Scamp (L6 3.2L 3254cc 198cid, 1971~1974), Scamp (L6 3.7L 225cid, 1971), Scamp (L6 3.7L 3687cc 225cid, 1971~1976), Scamp (V8 5.2L 318cid, 1971~1976), Scamp (V8 5.2L 5212cc 318cid, 1971~1974), Trailduster (L6 3.7L 3687cc 225cid, 1975~1980), Trailduster (V8 5.2L 318cid, 1974), Trailduster (V8 5.2L 5211cc 318cid, 1975~1981), Trailduster (V8 5.2L 5212cc 318cid, 1974), Valiant (L6 3.7L 225cid, 1970~1972), Valiant (L6 3.7L 3687cc 225cid, 1962~1976), Valiant (V8 5.2L 318cid, 1968~1976), Valiant (V8 5.2L 5212cc 318cid, 1968~1974), Valiant (V8 5.9L 360cid, 1976), Valiant (V8 5.9L 5899cc 360cid, 1974), VIP (V8 5.2L 5212cc 318cid, 1967), Volare (L6 3.7L 3687cc 225cid, 1976~1980), Volare (V8 5.2L 318cid, 1976~1980)

OEM *ORIGINAL*

Chrysler 4106093, 4145978 | **Fiat** 4091920, 4106093, 4145978 | **Lester** 3257, 3258

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 40911920, 4091950, 4111855, 4145359, 4240449

99.0496.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**84.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión TX1600D (Motor MWM 229.4, 10/1988→), Caminhão / Truck / Camión TX1800D (Motor MWM 229.4, 10/1988→) **|** **John Deere** Trator / Tractor 7000 (Motor MWM TD 229.6), Trator / Tractor 7200 (Motor MWM TD 229.6) **|** **Müeller** Trator / Tractor RT82 (MWM 229.3, 10/1981→), Trator / Tractor TR62 (MWM 229.3, 10/1981→) **|** **MWM** Motor D2293 (08/1985→) **|** **Valmet** Trator / Tractor 68 (08/1985→), Trator / Tractor 68 Cafeeiro (08/1985→), Trator / Tractor 68 Especial (08/1985→) **|** **Yanmar** Micro Trator / Micro Tractor TC11, Micro Trator / Micro Tractor TC11 Super

OEM *ORIGINAL*

Bosch 9001083618, 9002453076 **|** **Lucas Indiel** 223265

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083069, 9002453078

99.0497.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor 580H (4x4 Cummins 433.9, 04/1994→), Trator / Tractor 580SH (4x4 Cummins 433.9, 04/1994→) **|** **Cummins** Especial / Special (10D) **|** **Ford** Cargo (Cummins), F4000 (1998) **|** **John Deere** 1020, 1030, 1040, 1065, 1075, 1085, 1120, 1130, 1140, 1530, 1630, 1640, 1830, 1840, 2040, 2140, 2150, 2240, 2350, 2550, 2750, 2940, 2950, 820, 830, 840, 920, 968, 969, 970, 975, JD300, JD310, JD350, MD330 **|** **Komatsu** Retroescavadeira / Backhoe Excavator / Retroexcavadora PC150 (Modelo / Model 3-Cummins 6BT 5.9, 04/1993→) **|** **Mercedes-Benz** L1113, L1116, L1117, L1316, L1317, L1516, LA1113, LA1117, LP1219 (Motor Cummins 6BT 5.9 lts), LP1419 (Motor Cummins 6BT 5.9 lts), Marcopolo, MBL1319 (Motor Cummins 6BT 5.9 lts) **|** **Valmet** Trator / Tractor 1180 (Motor Cummins 6B 5.9 lts, 08/1990→) **|** **Volkswagen** 16200 (Cummins) **|** **Zanello** Trator / Tractor (Cummins e MWM)

OEM *ORIGINAL*

Bosch 2006209414, 2006209444, 9002453077 **|** **Cargo** 131495, 333515 **|** **John Deere** AL25275 **|** **Lester** 16563, 17309 **|** **Lucas** TNB408 **|** **Lucas Indiel** 222495 **|** **Magneti Marelli** 940113020143, AMB0143 **|** **Mercedes-Benz** 0001519913, A00011519913 **|** **Stemot** 12444 **|** **Volkswagen** TRA911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359090, 9000083071, 9000083075, 9000083076, 9000453075, 9000453076, F006AL0602

99.0497.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor 580H (4x4 Cummins 433.9, 04/1994→), Trator / Tractor 580SH (4x4 Cummins 433.9, 04/1994→) **| Cummins** Especial / Special (10D) **| Ford** Cargo (Cummins), F4000 (1998) **| John Deere** 1020, 1030, 1040, 1065, 1075, 1085, 1120, 1130, 1140, 1530, 1630, 1640, 1830, 1840, 2040, 2140, 2150, 2240, 2350, 2550, 2750, 2940, 2950, 820, 830, 840, 920, 968, 969, 970, 975, JD300, JD310, JD350, MD330 **| Komatsu** Retroescavadeira / Backhoe Excavator / Retroexcavadora PC150 (Modelo / Model 3-Cummins 6BT 5.9, 04/1993→) **| Mercedes-Benz** L1113, L1116, L1117, L1316, L1317, L1516, LA1113, LA1117, LP1219 (Motor Cummins 6BT 5.9 lts), LP1419 (Motor Cummins 6BT 5.9 lts), Marcopolo, MBL1319 (Motor Cummins 6BT 5.9 lts) **| Valmet** Trator / Tractor 1180 (Motor Cummins 6B 5.9 lts, 08/1990→) **| Volkswagen** 16200 (Cummins) **| Zanello** Trator / Tractor (Cummins e MWM)

OEM *ORIGINAL*

Bosch 2006209414, 2006209444, 9002453077 **| Cargo** 131495, 333515 **| John Deere** AL25275 **| Lester** 16563, 17309 **| Lucas** TNB408 **| Lucas Indiel** 222495 **| Magneti Marelli** 940113020143, AMB0143 **| Mercedes-Benz** 0001519913, A00011519913 **| Stemot** 12444 **| Volkswagen** TRA911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359090, 9000083071, 9000083075, 9000083076, 9000453075, 9000453076, F006AL0602

99.0498.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Spectrum (L4 1.5L 1471cc 92cid, 1985~1986), Spectrum (L4 1.5L 1471cc 92cid, 1987~1988), Spectrum (L4 1.5L 1471cc 92cid Turbo, 1987~1988), Spectrum (L4 1.5L 1471cc 92cid Turbo, 1989) **| Geo** Spectrum (L4 1.5L 1471cc 92cid, 1989) **| Isuzu** Mark I (L4 1.5L 1471cc, 1985~1986), Mark I (L4 1.5L 1471cc, 1987~1989), Mark I (L4 1.5L 1471cc Turbo, 1987~1989) **| Pontiac** Sunburst (L4 1.5L 1471cc 92cid, 1985~1986), Sunburst (L4 1.5L 1471cc 92cid, 1987~1988) **| TCM Equipment Lift Truck** Vários modelos / Various models (Motor / Engine 4XC1) **|**

Toyota Corolla, Starlet

OEM *ORIGINAL*

Isuzu 8941258890 | **Lester** 16245, 16880, 16883 | **Nippondenso** 0283003570, 0283003571, 0283004410

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280001310, 1280001311, 1280002170, 1280004670, 1280004671

99.0499.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Bluebird (1.6), Bluebird (1.8), Bluebird (1.8 Turbo), Laurel (2.0), Prairie (1.8), Stanza (1.6), Stanza (1.8), Urvan, Z20, Z22

OEM *ORIGINAL*

Hitachi 211445504 | **Lester** 16774, 16805, 16992 | **Nissan-Datsun** 23312D0100

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114319, S114320, S114320A, S114348, S114348A, S114376, S1143766B, S114389, S114389A, S114390, S114390A, S114391, S114391A, S114413, S114413A, S114426, S114603, S114604, S114607, S114607A, S114607C | **Mando** OK24118400A | **Nissan** 2330000, 2330018C00, 2330018C01, 2330018C03, 2330057M00, 2330057M05, 2330080W00, 23300D0100, 23300D0200, 23300D0220, 23300D1700, 23300V5202, 23300W0402, 23300W0403

99.0505.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**106.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo 1114, Cargo 1117, Cargo 1218, Cargo 1314, Cargo 1317, Cargo 1418, Cargo 1514, Cargo 1517, Cargo 1615, Cargo 1618, Cargo 1619, Cargo 2215, Cargo 2218, Cargo 2218 (T), Cargo 2319

OEM *ORIGINAL*

Bosch 9001453347 | **Lucas** TWB254 | **Volkswagen** TE5H11350A | **Wapsa** 224054

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453024, 9000453057 | **Wapsa** MPB66

99.0506.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Austin Hire Car FL2, Taxi FX4 | **Chrysler** Dodge | **Dodge** DKC, DKCF, DVC, KC, KCF, VC | **Lancer** 300 Series

OEM *ORIGINAL*

Lucas 54246663, 54257675, TMB103

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26233A, 26233J, 26286A, 26286E, 26320A, 26320B

99.0509.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bedford SB, SP, TG, TJ, TK, TK (Diesel), Van, Vas | **Massey Ferguson** Colheitadeira / Combine / Cosechadora MF487

OEM *ORIGINAL*

Lucas 54246090, 54246734, 54258545, 60600209, TMB112

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26234A, 26234J

99.0517.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan 310 Deluxe (L4 1.5 Gasolina / Gasoline, 1982), 310 GX (L4 1.5 Gasolina / Gasoline, 1982), Cherry (1.0), Cherry (1.3), Cherry (1.5), E13, E15, Micra, Prairie, Pulsar, Sentra Classic (L4 1.6 Gasolina / Gasoline, 1991~1993), Sentra E (L4 1.6 Gasolina / Gasoline, 1993~1994), Sentra GXE (L4 1.6 Gasolina / Gasoline, 1993~1994), Sentra LE (L4 1.6 Gasolina / Gasoline, 1994), Sentra SE (L4 1.6 Gasolina / Gasoline, 1993~1994), Sentra XE (L4 1.6 Gasolina / Gasoline, 1993~1994), Sunny (1.3), Sunny (1.4), Sunny (1.5), Sunny (1.6), Sunny (1.8), Tsuru | **Subaru** Justy (DL-L3 1.2 Gasolina / Gasoline, 1987~1994), Justy (GL-L3 1.2 Gasolina / Gasoline, 1987~1994), Justy (RS-L3 1.2 Gasolina / Gasoline, 1989)

OEM *ORIGINAL*

Hitachi 211415504 | **Lester** 16775, 17057, 17147, 17295 | **Nissan** 23312KA050, 23312M8000 | **Subaru** 23300KA270, 492866401

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114315, S114316, S114362, S114364, S114418, S114419, S114419A, S114424, S114435, S114435A, S114435B, S114435E, S1144568, S114556, S114556A, S114617, S114630, S114769, S144617A | **Nissan** 2233070Y00, 2330070Y01, 2330074Y00, 2330085A01, 23300KA010, 23300KA160, 23300KA270, 23300KA440, 23300KA510, 23300M8000, 23300M8001, 23300M8200, 23300M8201 | **Subaru** 23300KA010, 23300KA270, 23300KA290, 429916400, 429916500, 429916700, 429916710

99.0519.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**70.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Towner | **Nissan** 200 SX (L4 1.6L 1597cc 97cid, 1995~1998), Cherry, G16, GA13, GA15, Pulsar, Sentra (L4 1.6L 1597cc 97cid, 1995~1999), Sunny | **Subaru** Justy (1.2)

OEM *ORIGINAL*

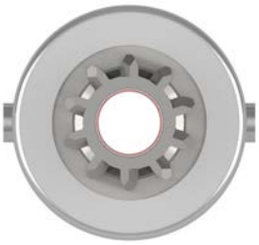
Cargo 133268 | **Lester** 16732, 16775, 17057, 17147, 17580 | **Mitsubishi** M191T26171 | **Nissan** 23312M8011 | **Visnova** 497165

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nissan 233000M215R, 2330073C10, 23300M8010, 23300M8011, 23300M8110, 23300M8310 | **Suzuki** 3110071J00

99.0520.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Capri (1.6), Capri (2.0), Courier (Motor Zetec), Escort (1.1), Escort (1.3), Escort (1.6), Escort (1.6 D), Fiesta (1.0), Fiesta (1.1), Fiesta (1.3), Fiesta (1.4), Fiesta (1.6 D), Granada (2.0), Mondeo (1.8i), Mondeo (2.0i), Orion (1.6 D), Scorpio (1.8), Scorpio (2.0), Scorpio (2.0i), Sierra (1.3), Sierra (1.6), Sierra (1.8), Sierra (2.0), Sierra (2.0i), Sierra (2.3), XR2, XR3 (Motor Zetec 1.8)

OEM *ORIGINAL*

Bosch 1006209510, 1006209516, 1006209537, 1006209545, 1006209566, 1006209905, F000AL1519, F000AL1699 | **Cargo** 131433 | **Italacciai** SD439 | **Lester** 16405, 16530 | **Lucas** TMB566 | **Lucas Indiel** 223119

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107014, 0001107016, 0001107027, 0001107028, 0001107029, 0001107041, 0001108004, 0001108020, 0001108033, 0001108037, 0001108039, 0001108040, 0001108057, 0001108071, 0001108082, 0001108083, 0001108087, 0001108106, 0001108110, 0001108111, 0001108121, 0001108122, 0001108132, 0001108139, 0001108140, 0001108152, 0001108155, 0001110013, 0001110019, 0001110069, 0001110070, 0001112009, 0001112012, 0001112016, 0001112020, 0001112033, 0001113003, 0001113005, 0001113009, 0001114008, 0001114014, 0001114017, 0001114020, 0001114021, 0001114022, 0001208513, 0001208514, 0001208521, 0001208706, 0001208715, 0001208718, 0001211512, 0001211513, 0001211515

99.0522.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Big 10 Truck (odelo antigo / Old model / Modelo antiguo), C60 Truck, C70 Truck, Camaro, Caprice (Modelo antigo / Old model / Modelo antiguo), F350 Truck, Impala (Modelo antigo / Old model / Modelo antiguo), Malibu (1976~1981), Monte Carlo, Pick Up (Modelo antigo / Old model / Modelo antiguo)

OEM *ORIGINAL*

Bosch 1987BE0017 | **Delco Remy** 1865687

99.0528.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford FT100, FT120, FT130, FT160, FT190, FT80, Transit

OEM *ORIGINAL*

Bosch 2006209466 | **Cargo** 131344 | **Delco Remy** 19025713 | **Ford** 61511459, 6151459, 84VB11350BA | **Ika** 450831 | **Lucas Indiel** 223709 | **Magneti Marelli** 940113020150, AMB0150 | **Stemot** 12466 | **Visnova** 424243 | **WAI** 5491132

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362307

99.0529.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (6 cil / cyl, Álcool / Alcohol, motor CID, 03/1985→), Ranger (6 cil / cyl, Álcool / Alcohol, motor CID, 03/1985→)

OEM *ORIGINAL*

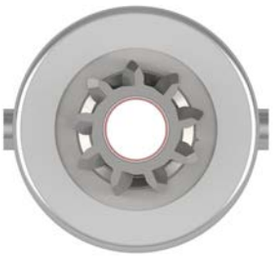
Bosch 9001452090 | **Wapsa** 224055

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000452002, 9000452004 | **Wapsa** MWB30

99.0532.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.67**
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	**16.90**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge (2.2 LTS), Dodge (2.5 LTS), New Yorker (2.2, 1986~1991), Shadow (2.5 V6), Shadow (3.0 V6), Spirit (2.5 V6), Spirit (3.0 V6), Voyager (2.5 V6), Voyager (3.0 V6)

OEM *ORIGINAL*

Bosch 1006209527 | **Cargo** 135569 | **Chrysler** 4419308, 5213777, 5226444, 5227115 | **Lester** 16963, 16976 | **Lucas Indiel** 223329 | **WAI** 549144

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108013, 0001108032, 0001108045, 0001108046, 0001108066

99.0536.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**39.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hitachi S108116 (A, B, C, D, E, F, G), S10861 (A, B, C, D, E, F, G) | **Kawasaki** 211633003 (F, G, YR), 211633710, 211633711, 211635031, SX440, SX550

OEM *ORIGINAL*

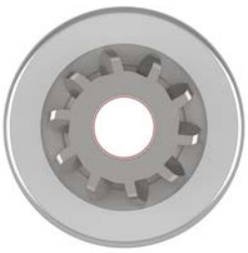
Hitachi 210875002, 2108F3500 | **Kawasaki** 590513005 | **Lester** 18305

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S10861F, S10866 | **Kawasaki** 211633003F, 211633003G, 211633710

99.0539.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

New Holland Trator / Tractor

OEM *ORIGINAL*

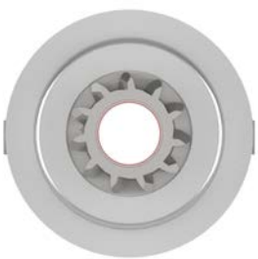
Hitachi 1303ST, 21303500 | **Lester** 17088, 17294

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1284, S1361A

99.0540.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**17.40**
L Comprimento	**66.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lada 2108, Niva (4x4), Samara

OEM *ORIGINAL*

CBT 210803708620 | **Lada** 210803708620 | **Lucas Indiel** 223271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

CBT 210803708010

99.0541.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Transit D

OEM *ORIGINAL*

Italacciai SD486 | **Lucas** 54268140, TNB167

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai 27501A

99.0555.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.95/23.90**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**168.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar Colocador de Tubos / Pipelayers 583H (D-342 Diesel, 1969~1974), Colocador de Tubos / Pipelayers 583K (D-342 Diesel, 1974~1989), Colocador de Tubos / Pipelayers 594 (D-353 Diesel, 1974), Colocador de Tubos / Pipelayers 594H (D-353 Diesel, 1974~1985), Facet 10061, Track-Type Tractor D7E, Track-Type Tractor D8K (D-342 Diesel, 1974~1982), Track-Type Tractor D9G (1969~1974), Track-Type Tractor D9H (D-353 Diesel, 1974~1982) | **TCM Equipment Ag** Caterpillar Facet 1006L

OEM *ORIGINAL*

ACE 4311VN | **Cargo** 130542 | **Caterpillar** 3T8754, 5S6372, 9S9772 | **Delco Remy** 1894221, 1967952, 1977013, 1979835, 800077 | **Facet** 10061 | **Lester** 3872 | **Volkswagen** 10061 | **WAI** 54127

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Cummins 3604645RX | **Delco Remy** 10478862, 1109792, 1990232, 1990285

99.0556.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**15.90**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**170.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar Facet, Motor / Engine (D343 6 cil / cyl) **| Ford** Medium & Heavy-Duty Truck **| Kenworth** C500, Medium & Heavy-Duty Truck, W900 **| TCM Equipment Ag** Caterpillar Facet

OEM *ORIGINAL*

ACE 4309VN **| Cargo** 130541 **| Caterpillar** 2S3344, 3T5341, 9S9773 **| Delco Remy** 1894220, 1946174, 1979836, 1979870, 800075 **| Facet** 10060 **| Lester** 3038, 3956, 4897, 4918 **| Volkswagen** 10060 **| WAI** 54126

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10478846, 10478853, 10478862, 1109294, 1109299, 1109633, 1109635, 1109641, 1109644, 1109793, 1109794, 1109832, 1109835, 1109969, 1109989, 1113867, 1114713, 1990227, 1990232, 1990238, 1990241

99.0557.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**100.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Valmet Trator / Tractor 1180, Trator / Tractor 1280, Trator / Tractor 505, Trator / Tractor 6000, Trator / Tractor 605, Trator / Tractor 6100, Trator / Tractor 6300, Trator / Tractor 6400, Trator / Tractor 655, Trator / Tractor 6800, Trator / Tractor 705, Trator / Tractor 755, Trator / Tractor 8000, Trator / Tractor 805, Trator / Tractor 8100, Trator / Tractor 8200, Trator / Tractor 8400, Trator / Tractor 855, Trator / Tractor 885, Trator / Tractor 905, Trator / Tractor 985

OEM *ORIGINAL*

Lucas 54268565, TNB172

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 27512A/D

99.0561.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**77.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Allis (450), Romania (450)

OEM *ORIGINAL*

Cargo 231330 | **Fiat** 4988518 | **Italacciai** SD145 | **Lester** 17219 | **UTB** 2130004

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 4988513 | **Italacciai** 04988513, SD145

99.0568.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet D478 (1969~1972)

OEM *ORIGINAL*

Autolite-Prestolite EBB168 | **Cargo** 232053 | **Chrysler** 252587 | **Delco Remy** 10498623, 1852716, 1876857, 1877355, 1933471, 1941119, 1941157, 1942950, 1950058, 1964127, 1966931, 1968355, 1971707, 1975046, 4019393, D2024, D2025, D2042 | **Ford** C6TZ11350A

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107214, 1107234, 1107249, 1107268, 1107290, 1107291, 1107382, 1107503, 1107511, 1107512, 1107515, 1107533, 1107539, 1107540, 1107557, 1107561, 1107575, 1107580, 1107582, 1107591, 1107592, 1107593, 1107696, 1107857, 1107859, 1107867, 1107872, 1108240, 1108280, 1108322, 1108379, 1108396, 1108397, 1108415, 1108431, 1108443, 1108447, 1108449, 1108476, 1108493, 1108632, 1108634, 1108644, 1108648, 1108649, 1108667, 1108696, 1109023, 1109194 | **Ford** C5TF11000B, C6TF11000B, C6TZ11001A, C6TZ11002C, C7TF11000A

99.0571.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

JEEP Cherokee Chief (L4 2.1 Diesel, 1986~1987), Cherokee Laredo (L4 2.1 Diesel, 1986~1987), Cherokee Pioneer (L4 2.1 Diesel, 1986~1987), Comanche Custom (L4 2.1 Diesel, 1986), Comanche Laredo (L4 2.1 Diesel, 1987), Comanche Pioneer (L4 2.1 Diesel, 1987), Comanche X (L4 2.1 Diesel, 1986), Comanche XLS (L4 2.1 Diesel, 1986), Wagoneer Limited (L4 2.1 Diesel, 1986~1987) | **Renault** R18 (Diesel), R20 (Diesel), R25 (Diesel), R30 (Diesel)

OEM *ORIGINAL*

Italacciai SD335 | **Lester** 17005 | **Lucas Indiel** 223315 | **Paris Rhone** 99738

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D11E172 | **Paris Rhone** D11E172

99.0572.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Korando, Musso (2.3 D), Musso (2.9 D), Musso (2.9 DT) | **Mercedes-Benz** 190D (2.2), 190D (2.5), 200D (TD), 208D, 210D, 250D (TD), 300D (TD), 308D, 310D, 408D | **Ssangyong** Musso (2.3), Musso (2.5)

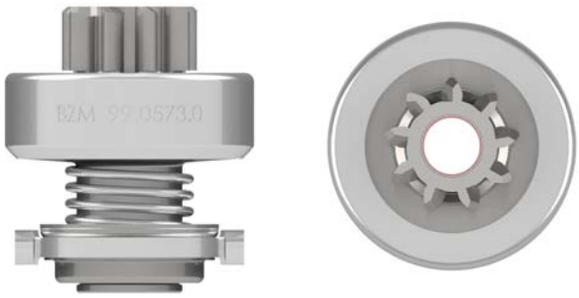
OEM *ORIGINAL*

Bosch 1006209523, 9000336291, 9003336291 | **Cargo** 131995, 138256, 333577 | **Lester** 17040 | **Lucas Indiel** 223746 | **Mercedes-Benz** 0001519513, 0011510113 | **Vulko** 18244 | **WAI** 549177

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218006, 0001218016, 0001218021, 0001218029, 0001218108, 0001218109, 0001218110, 0001219001, 0001219007, 0001219009

99.0573.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bedford Blitz CF | **BMW** 324 D, 324 TD, 524 TD, 750i, 750il, 850Ci, 850Csi, 850i | **Chrysler** Dodge, Dodge Dakota (2.5, a Diesel), Jeep Cherokee Sport | **JEEP** Cherokee, Grand Cherokee | **Opel** Frontera (2.3 TD), Omega (2.3 D), Omega (2.3 TD), Rekord E (2.3 D), Rekord E (2.3 TD), Senator (2.3 TD) | **Peugeot** Boxer | **Vauxhall** Carlton (a Diesel)

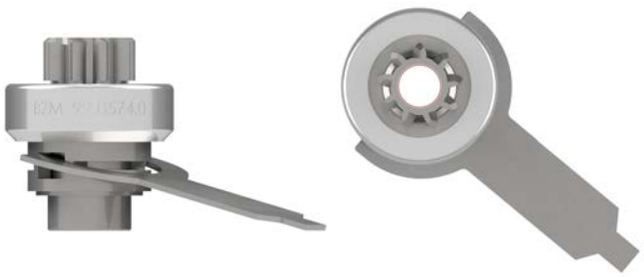
OEM *ORIGINAL*

Bosch 1006209524, 6033AD0044, 9002336216, 9003336280 | **Cargo** 132079, 230351, 233861 | **Ika** 450901 | **Lester** 17016, 17183 | **Lucas Indiel** 223747 | **Stemot** 19216 | **WAI** 549176

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218009, 0001218011, 0001218026, 0001218027, 0001218028, 0001218135, 0001218136, 0001218177

99.0574.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**53.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën AX (10), AX (11), AX (14), BX (16) | **Peugeot** 205, 205 (GTI), 305, 405 | **Renault** Fuego, R11, R18, R9, Super 5

OEM *ORIGINAL*

Bendix 327585, 331025, 331032 | **Cargo** 132181 | **Ducellier** 583277, 583289, 583336, 583347, 683145 | **Italacciai** SD047, SD499 | **Lester** 16756, 16797 | **Lucas** TMB265 | **Paris Rhone** 106140, 183917 | **Valeo** 106140, 183917, 583277, 583289, 583336, 583347, NE307, NE308, NE603 | **WAI** 549400

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ducellier 534023A, 534029A, 534031, 534032, 534039, 534042AB, 534043, 534043AB, 534044, 534047, 534054, 534055, 534057 | **Italacciai** 534029A

99.0575.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.63**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**18.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Daytona (3.0, 1988~1994), Saratoga (3.0, 1991~1993), Voyager (3.0 V6, 1986~1993) | **Fiat** Duna, Uno (Diesel) | **Renault** R11 (Diesel), R9 (Diesel)

OEM *ORIGINAL*

Bosch 1006209546, 9008047003, F000AL2108 | **Cargo** 139846 | **Krauf** SDB1846 | **Lester** 17047 | **Lucas Indiel** 223120 | **Magneti Marelli** 940113020169, AMB0169 | **Visnova** 424261 | **WAI** 549157 | **Wilson** 61156457 | **Woodauto** SDV38083

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110024

99.0576.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Sprint | **Suzuki** Baleno, Swift (1.3)

OEM *ORIGINAL*

Bosch 1987BE0042 | **Cargo** 133712 | **Delco Remy** 96051972 | **Lester** 16971 | **Nippondenso** 0283004390, 0283005850 | **Suzuki** 3132082010 | **Valeo** 074515 | **Visnova** 497285

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 96051950, 96062498 | **Nippondenso** 0280009900, 0280009901 | **Suzuki** 3110082010, 3110082011

99.0579.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6), A3 (1.8), A3 (1.8 T), A3 (Quattro) **| Fiat** Tempra (1.8), Tempra (2.0) **| Lancia** Dedra (1.8), Dedra (2.0) **| Seat** Cordoba (1.9 Diesel), Cordoba (1.9 Diesel Turbo), Cordoba (SXE, 1996), Ibiza (1.9 D), Ibiza (1.9 TD) **| Volkswagen** Cabriolet Carat (L4 1.8, 1991), Cabriolet Carat (L4 1.8 Gasolina / Gasoline, 1992), Cabriolet Classic (L4 1.8 Gasolina / Gasoline, 1993), Cabriolet Etienne Aigner (L4 1.8 Gasolina / Gasoline, 1991), Caddy (1.6), Corrado (SLC V6 2.8 Gasolina / Gasoline, 1992), Corrado (SLC V6 2.8 Gasolina / Gasoline, 1993), Corrado (SLC V6 2.8 Gasolina / Gasoline, 1994), Corrado (V6 2.8 Gasolina / Gasoline, 1993), Corrado (V6 2.8 Gasolina / Gasoline, 1994), Eurovan (CL L5 2.5 Gasolina / Gasoline, 1993), Eurovan (CV L5 2.5 Gasolina / Gasoline, 1993), Eurovan (GL L5 2.5 Gasolina / Gasoline, 1993), Eurovan (GLS L5 2.5 Gasolina / Gasoline, 1994), Eurovan (GLS L5 2.5 Gasolina / Gasoline, 1995), Eurovan Camper (L5 2.5 Gasolina / Gasoline, 1995), Eurovan MV, Eurovan MV (L5 2.5 Gasolina / Gasoline, 1993), Gol (GTI), Golf (1.6), Golf (1.6 D), Golf (1.8), Golf (Diesel), Golf II (1.6 TD), Jetta (1.6 D), Jetta (1.6 TD), Jetta (1.8), Jetta (Diesel), Jetta (INJ), Jetta (TD), Passat (1.6 TD), Passat (1.9 D), Syncro, Vento (1.4), Vento (1.6), Vento (1.8)

OEM *ORIGINAL*

Bosch 1006209543, 1006209544, 1006209576, 1006209596, 1006209703, 1006209710, 1006209918, 1006209919, 1006209921, 1006210155, 1007010045 **| Cargo** 132216, 333174 **| Fiat** 9944373 **| Lester** 17030, 17134, 17222 **| Lucas Indiel** 223274 **| Volkswagen** 020911335B, 036911335B, 055911335F, 055911335J, 068911335C **| WAI** 549168, 549175

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108094, 0001108095, 0001108127, 0001110001, 0001110002, 0001110014, 0001110076, 0001110077, 0001110098, 0001112003, 0001112038, 0001114005

99.0580.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Patrol D, SD33

OEM *ORIGINAL*

Lucas Indiel 223751 | **Nissan** 23312J2003

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 525131A, 525155D

99.0584.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Pride | **Kubota** Trator / Tractor

OEM *ORIGINAL*

Lester 16791, 18162 | **Lucas Indiel** 223755 | **Mitsubishi** M191T22271, M191T22871, M191T23171

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Kubota 1585263011, 1585263012 | **Mitsubishi** M2T30481, M2T42381

99.0585.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tiete Motor Estacionário / Stationary Motor / Motor Estacionario RD900, Motor Estacionário / Stationary Motor / Motor Estacionario RD900L, Motor Estacionário / Stationary Motor / Motor Estacionario RD950, Motor Estacionário / Stationary Motor / Motor Estacionario RD950L

OEM *ORIGINAL*

Bosch 9001082555

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000082037

99.0594.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Trator / Tractor 480, Trator / Tractor 480S, Trator / Tractor 640

OEM *ORIGINAL*

Fiat 9956595 | **Lucas** 54248606, TMB130 | **Lucas Indiel** 223763

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26372A, 26372B, 26385A, 26385B, 26390A, 26390B, 26390E, 27430A, 27430B

99.0595.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Tracker | **Hyster** Empilhadeira / Forklift / Apiladora | **Hyundai** Elantra, I30, Pony, Santa Fé (2008), Sonata (2.4), Sonata (3.0), Stellar, Tucson | **JEEP** Eagle (1.6), Eagle (1.8), Eagle (2.0T) | **Mitsubishi** 4G63, 4G93, Eclipse (2.0T), Expo, Galant (2.0), Galant (2.4), Galant (3.0), Mirage, Montero, Pajero, Sigma, Tredia (2.0) | **Nissan** GA15, GA16 | **Suzuki** Sidekick (1994), Vitara

OEM *ORIGINAL*

Bosch 1987BE0043 | **General Motors/Chevrolet** 96063636 | **Lester** 16874, 16939, 17131, 17146, 17185, 17214, 17217, 17221, 17266, 17478, 17592 | **Lucas Indiel** 223764 | **Mazda** AM1518X25 | **Mitsubishi** M001T73283, M191T12070, M191T12071, M191T12471, MD611211 | **Nissan** 2331242670, 2335442L70, 2335704E10 | **Suzuki** 3132086030

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 30001696 | **Mazda** AM1518400 | **Mitsubishi** M000T85681, M000T92581, M0T70281, M0T70381, M0T70481, M0T70681, M0T70781, M0T70981, M0T71181, M0T71381, M0T71581, M0T71681, M0T72581, M0T73281, M0T73381, M0T77681, M0T85681, M0T85681ZC, M1M70685, M1M72086, M1T70481, M1T70482, M1T70483, M1T70485, M1T70681, M1T70685, M1T70685A, M1T70686, M1T70687, M1T71381, M1T71382, M1T71581, M1T71681, M1T72081, M1T72085, M1T72086, M1T72086A, M1T72088, M1T72581, M1T72583, M1T73281, M1T73283, M1T73381, M1T73383, M1T74881, M2T53083, MD099667, MD112625, MD136933, MD162839, MD162840, MD162842, MD162843, MD163188, MD170049, MD172860, MD172861, MD172863, MD172864, MD174482, MD174483, MD180937, MD182488, MD188720, MD188721, MT36100 | **Nissan** 2330008U10, 2330020P10, 2330020P11, 2330022P70, 2330022P71, 2330041B76, 2330042L70, 2330050Y10, 2330050Y11, 2330050Y12, 2330057M70, 2330057M75, 2330057M90, 2330065Y10, 2330077A11, 2330084A17

99.0596.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**31.70**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora CGP25, Empilhadeira / Forklift / Apiladora CGP30 | **Ford** Probe | **Mazda** 626 (2.0), 626 (2.2), B2200 Pick-Up, MX 6 (2.0), MX 6 (2.2) | **Nissan** Stanza (2.0 4WD), Titan (5.6)

OEM *ORIGINAL*

Ford E92Z11350A, E92Z11350B, SDE335, SDE336, SDE342 | **Lester** 16900, 16933, 16998, 17132, 17176, 17469 | **Mazda** F21418X25 | **Mitsubishi** M191T12171, M191T13271 | **Nissan** 2335420R10

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E22E18400A, E92Z11002A, F02Z11002B, F12Z11002A, F22518400A, FE1H18400, SAE770, SAE781 | **Mazda** E22E18400, F21418400, F21418400A, F21418400B, F21418400C, F2D418400, F2D418400A, FE1H18400 | **Mitsubishi** M1M70981, M1M71281, M1M71481, M1M72181, M1M72182, M1Q71281, M1T70981, M1T70981A, M1T70985, M1T71081, M1T71281, M1T71281A, M1T71281B, M1T71481, M1T71481A, M1T71881, M1T72181, M1T72181A, M1T72182, M1T72182A, MD318086 | **Nissan** 2330001Y10, 2330020R11, 2330020R91, 2330030F10, 2330030F11, 2330044R10, 2330044R11, 23300D0511, 23300D0513

99.0597.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

JEEP Grand Cherokee (1995), Jeep Cherokee (01/1994→), Jeep Cherokee (4.0, 01/1987~01/1992), Jeep Wrangler (4.0, 01/1988~01/1993), Jeep Wrangler (4.2, 01/1988~01/1993)

OEM *ORIGINAL*

Lester 16514, 17006, 17046, 17564 **| Lucas Indiel** 223766 **| Mitsubishi** M191T12271, M191T12272

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi 56041012AB, M001T84381ZC, M1T74281, M1T74481, M1T74482

99.0601.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 30AR8, 32AR8, 35AR8, 40AR8 **| Fiat** 131 (2.0), 131 (2.5 Diesel), 132 (2.0), 132 (2.5 Diesel), Argenta (2.5 Diesel), Nuova Argenta (Diesel) **| Fiat Allis** 4 Apripista (645), 4 Apripista (FE12), 4 Apripista (FE14), 4 Apripista (FE16), 4 Apripista (FE2R), 4 Apripista (FL4C), 4 Apripista (FL4D), 4 Apripista (FR20), 4 Apripista (FR7), 4 Apripista (FR9) **| Fiat Iveco** Caminhão / Truck / Camión 100, Caminhão / Truck / Camión 100.13, Caminhão / Truck / Camión 110, Caminhão / Truck / Camión 150.17, Caminhão / Truck / Camión 150.20, Caminhão / Truck / Camión 159.17, Caminhão / Truck / Camión 159.20, Caminhão / Truck / Camión 314.3, Caminhão / Truck / Camión 315.23, Caminhão / Truck / Camión 315.8, Caminhão / Truck / Camión 50.10, Caminhão / Truck / Camión 50.8, Caminhão / Truck / Camión 50.9, Caminhão / Truck / Camión 55.8, Caminhão / Truck / Camión 55.9, Caminhão / Truck / Camión 60.10, Caminhão / Truck / Camión 60.8, Caminhão / Truck / Camión 65.10, Caminhão / Truck / Camión 70.10, Caminhão / Truck / Camión 70.12, Caminhão / Truck / Camión 75.10, Caminhão / Truck / Camión 79.10, Caminhão / Truck / Camión 79.13, Caminhão / Truck / Camión 80, Caminhão / Truck / Camión 80.13, Caminhão / Truck / Camión 90, Caminhão / Truck / Camión 90.13, Daily 28.8, Daily 30.8, Daily 32.8, Daily 35.8, Daily 40.8, Ducato (2.0), Ducato (2.5 Diesel) **| Seat** 131 (2.5 Diesel)

OEM *ORIGINAL*

Cargo 132331, 132821, 136459 **| Fiat** 79081045, 7984505, 9961781 **| Italacciai** SD077 **| Lester** 18092, 18093 **| Magneti Marelli** 65540151, 72159801, 85540151, 85540191 **| WAI** 549307

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63216731, 63216741, 63216831, 63216896, 63217126, 63217148, 63217154, 63217188, 63217226, 63217410

99.0603.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz F4L913, F5L913, F6913 | **Fiat** F150, F160 | **Mercedes-Benz** OM 314 (Diesel 3.8 4cil / cyl, 1990→), OM 352 (1990→), OM 355 (1990→)

OEM *ORIGINAL*

Lucas Indiel 223277

99.0605.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.10**
IS Ø Interno da Estria	**13.60**
L Comprimento	**77.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Furgão, Kombi, Pick Up

OEM *ORIGINAL*

Lucas Indiel 221911 | **Tria** 3143, ZAA911335

99.0608.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**81.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Allis 350, 350 (DT), 355, 450, 455C, 480, AD 4, FL 4

OEM *ORIGINAL*

Fiat 4169960, 4226442, 4474695, 4475032 | **Italacciai** SD112 | **Magneti Marelli** 74827301, 74855301, 74871431 | **Nissan** 4169960, 4226442, 4474695, 4475032

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 4169912, 4172004, 4172113, 4187587, 4187590, 4231018, 4232191, 4234741, 4269114 | **Italacciai** 04187587 | **Magneti Marelli** 63224170, 63224500, 63224580, 63224600, 63224602

99.0609.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**74.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge Dodge 1500

OEM *ORIGINAL*

Lucas Indiel 221904 | **Tria** 116

99.0610.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**68.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Blazer USA (V6, 1988→), Motor para Empilhadeira Hyster / Motor for Hyster Forklift / Motor para Apiladora Hyster | **Hyster** Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

Bosch 1987BE0044 | **Delco Remy** 1989214, D2047 | **Lester** 6407 | **Lucas Indiel** 223278

99.0611.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**68.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Especial / Special

OEM *ORIGINAL*

Cargo 132943 | **Delco Remy** 10469173, 10498527, D2048 | **Lester** 6300, 6407, 6409, 6431, 6443 | **Magneti Marelli** 940113020182, AMB0182 | **WAI** 54141

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 9000773

99.0612.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Cavalier, GMC Sonoma (2.2 LTS), Motor para empilhadeira / Forklift engine / Motor para apilador Hyster XM50, S10 Pick Up (Importado / Imported-2.2 LS 4 cil / cyl, 1994), Sonoma Pick Up (Importado / Imported-2.2 LTS) | **Hyster** Empilhadeira / Forklift / Apiladora Hyster XM50

OEM *ORIGINAL*

Bosch 1987BE0045 | **Cargo** 135063 | **Delco Remy** 10468675, 10473700, 10477566, D2050, D2057 | **Lester** 6415, 6416, 6418, 6424 | **Lucas Indiel** 223279 | **WAI** 54149

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10455053

99.0612.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**69.00**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.0612.0/Same as 99.0612.0 BZM/Igual que BZM 99.0612.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Cavalier, GMC Sonoma (2.2 LTS), Motor para empilhadeira / Forklift engine / Motor para apilador Hyster XM50, S10 Pick Up (Importado / Imported-2.2 LS 4 cil / cyl, 1994), Sonoma Pick Up (Importado / Imported-2.2 LTS) | **Hyster** Empilhadeira / Forklift / Apiladora Hyster XM50

OEM *ORIGINAL*

Bosch 1987BE0045 | **Cargo** 135063 | **Delco Remy** 10468675, 10473700, 10477566, D2050, D2057 | **Lester** 6415, 6416, 6418, 6424 | **Lucas Indiel** 223279 | **WAI** 54149

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10455053

99.0613.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**79.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Kombi (Diesel), Transporter (TD)

OEM *ORIGINAL*

Bosch 1006209532 | **Cargo** 132169 | **Lester** 17068 | **WAI** 549170

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110009, 0001110010

99.0615.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover 110 (2.25 D)

OEM *ORIGINAL*

Lucas 54242438, 54246727, TMB106

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26270A/J, 26300A/J, 27410A, 27418A, M45G

99.0617.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler PT Cruiser **| JAC** Empilhadeira / Forklift / Apiladora **| Suzuki** Vitara

OEM *ORIGINAL*

General Motors/Chevrolet 96058480 **| Lester** 17166, 17194, 17206 **| Mitsubishi** M191T12871 **| Suzuki** 3132060A10

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 96058456, 96058457, 96064782, 96064783 **| JAC** QDY1253 **| Mitsubishi** M1T72481, M1T74581 **| Suzuki** 3110050A10, 3110060A11, 3110060A20, 3110060A21, 3110060AC1

99.0619.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Golf (Turbo Diesel), Jetta (Turbo Diesel)

OEM *ORIGINAL*

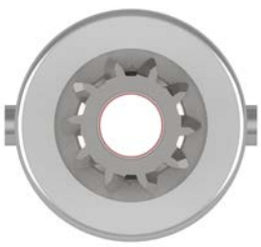
Bosch 1006209522, F000AL1520, F000AL1708 | **Lester** 17030 | **Lucas Indiel** 223782

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110001

99.0620.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

Igual ao BZM 99.1192.0/Same as 99.1192.0 BZM/Igual que BZM 99.1192.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Bronco (4.9 LTS, 1992), Bronco (5.0 LTS, 1992~1996), Bronco (5.8 LTS, 1992~1996), Escape (6 cil / cyl, 2001~2009), F Series Pick Up (5.0 LTS, 1992~1998), F Series Pick Up (5.8 LTS, 1992~1996), F1000 (4.9L 6 cil / cyl Gasolina / Gasoline), F150, F250 (V6 Gasolina / Gasoline), Ranger

OEM *ORIGINAL*

Bosch 1987BE0018 | **Ford** E90Z11350A, F07U11000AA, F0TZ11002A, F2TU11000AA, F5DZ11350A, SD337 | **Lucas Indiel** TMB350

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E90F11000BA, E90Y11002A, E90Y11002B, E9SF11000AA, E9SF11000BA, E9SZ11002A, E9SZ11002B, F0011002A, F00U11000AA, F00Y11002A, F02F11000AA, F02U11000AA, F02Z11002A, F07U11000AA, F07U11000BA, F0CF11000BA, F0CU11000BA, F0FZ11002A, F0TZ11002A, F0TZ11002B, F13U11000AA, F13Z11002A, F23U11000AA, F23U11000BC, F23Z11002A, F23Z11002B, F2DU11000AA, F2DU11000BA, F2DZ11002A, F2TU11000AA, F2TZ11002A, F3DU11000AA, F3DZ11002A, SA769, SA769A, SA771, SA771A, SA774, SA775, SA776, SA777, SA784, SA790, SA800,

SA807 **| Mazda** ZZL018400, ZZL118400 **| Porsche** E90SZ11000AA, E90V11002A, E9SF1102A

99.0620.2





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Bronco (4.9 LTS, 1992), Bronco (5.0 LTS, 1992~1996), Bronco (5.8 LTS, 1992~1996), F Series Pick Up (5.0 LTS, 1992~1998), F Series Pick Up (5.8 LTS, 1992~1996), F1000 (4.9L 6 cil / cyl Gasolina / Gasoline), F150, Ranger **| Valmet** Trator / Tractor

OEM *ORIGINAL*

Ford E90Z11350A, F07U11000AA, F0TZ11002A, F2TU11000AA, F5DZ11350A **| Lester** 3204, 3205, 3213, 3217, 3224, 3232, 3238, 3239, 3240, 3241, 3246, 3247, 3264, 3266, 3268, 3269, 3270, 3271, 3272, 3273, 3274

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E90F11000BA, E90Y11002A, E90Y11002B, E9SF11000AA, E9SF11000BA, E9SZ11002A, E9SZ11002B, F0011002A, F00U11000AA, F00Y11002A, F02F11000AA, F02U11000AA, F02Z11002A, F07U11000AA, F07U11000BA, F0CF11000BA, F0CU11000BA, F0FZ11002A, F0TZ11002A, F0TZ11002B, F13U11000AA, F13Z11002A, F23U11000AA, F23U11000BC, F23Z11002A, F23Z11002B, F2DU11000AA, F2DU11000BA, F2DZ11002A, F2TU11000AA, F2TZ11002A, F3DU11000AA, F3DZ11002A, SA769, SA769A, SA771, SA771A, SA774, SA775, SA776, SA777, SA784, SA790, SA800, SA807

99.0622.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.55**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.95/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**118.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Motor Série C / C Series Motor (Motor Cummins Série / Serie C) **| Komatsu** Motoniveladora / Motor Grader / Motoniveladora GD523 (Motor Cummins Série / Serie C), Motoniveladora / Motor Grader / Motoniveladora GD623 (Motor Cummins Série / Serie C), Pá Carregadeira / Wheel Loader / Pala Cargadora (Motor Cummins Série / Serie C) **| Mercedes-Benz** L1625, L2325, L2635, LB2325, LG1825, LK2325, LS1625, LS1630, LS1935, LS1941

OEM *ORIGINAL*

Bosch 2006202002, 9001453601 | **Cargo** 138332 | **Delco Remy** 1936647, 1946945 | **Facet** 10627 | **Mercedes-Benz** 0011510413, A0011510413 | **Wapsa** 224057

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453064, 9000453065, 9000453067, 9000453068

99.0624.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.70**
IS Ø Interno da Estria	**19.20**
L Comprimento	**98.20**

Similar ao 99.0858.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Especial / Special | **Ford** F9000, LN9000 | **General Motors/Chevrolet** Especial / Special | **John Deere** Especial / Special | **Mercedes-Benz** 1625, 1630, 1825, 1935, 1941, 2325, O355 (OM 355-6), O364 (OM 355-5), O364 (OM 355-6), O365 (OM 355-5), O370, O370 (OM 355-5), O370 (OM 355-6), O370 (OM 355-6A), O370 (OM 355-6LA), O371, O371 (OM 355-5A), O371 (OM 355-6A), O371 (OM 355-6LA), O371UP, O371UP (OM 355-5), O400R, O400RS, O400RSD, O400RSL (OM 449A), Serie BR400 (335-6LA), Serie BR400 (OM 355-6A), Serie BR400 (OM 3555), Serie BR400 (OM 3556) | **TCM Equipment Ag** Serie 37MT (12v MB, VW, Ford), Serie 37MT (24v MB, VW, Ford) | **Volkswagen** Caminhão / Truck / Camión P100501 (Cummins Serie C, 12v 12D), Caminhão / Truck / Camión P100501 (Cummins Serie C, 24v 12D), Caminhão / Truck / Camión P100502 (Cummins Serie C, 12v 12D), Caminhão / Truck / Camión P100502 (Cummins Serie C, 24v 12D)

OEM *ORIGINAL*

Bosch 1987BE0019 | **Delco Remy** 1985262, 1985262L | **Facet** 10624, 10640 | **Lucas Indiel** 220400 | **Volkswagen** 10640

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10461007, 10461008, 10461010, 10461013, 10461016, 10461018, 10478805, 10478811, 10478825, 10478826, 10478927, 10478949, 10478960, 10479014, 10479034, 10479196, 10479302, 1990310, 1990313, 1990315, 1990316, 1990317, 1990319, 1990320, 1990321, 1990327, 1990330, 1990331, 1990332, 1990336, 1990498, 1990707, 1993669, 1993709, 1993713, 1993719, 1993728, 1993729, 1993732, 1993742, 1993745, 1993746, 1993755, 1993763, 1993764, 1993768, 1993770, 1993778, 1993791, 1993794, 1993831, 1993832, 1993851, 1993853, 1993861, 1993865, 1993869, 1993871, 1993873, 1993874, 1993878, 1993881, 1993883, 1993885, 1993887, 1993891, 1993898, 1993901, 1993902, 1993909, 1993910, 1993911, 1993918, 1993920, 1993926, 1993928, 1993931, 1993953, 1993958, 1993964, 1993965, 1993966, 1993974, 1993992, 1993997, 323841, 323842, 323843, 323844, 323847, 323850, 323852

99.0625.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.70**
IS Ø Interno da Estria	**19.20**
L Comprimento	**98.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo (7.8 LTS), F800 **|** **General Motors/Chevrolet** Caminhão / Truck / Camión 14.190, Truck **|** **TCM Equipment Ag** Serie 37MT (12v), Serie 37MT (24v) **|** **Volkswagen** Caminhão / Truck / Camión 13.210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 14210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 22.210 (Cummins 6 cil / cyl Turbo)

OEM *ORIGINAL*

Bosch 1987BE0046 **|** **Cargo** 133507 **|** **Delco Remy** 1986244, 1987152 **|** **Facet** 10621, 10639 **|** **Ford** E6HZ11350A **|** **Lester** 6204, 6348, 6387, 6391, 6410, 6467 **|** **WAI** 541311D, 541315 **|** **WW** 10639

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10461001, 10461002, 10461003, 10461005, 10461006, 10461015, 10461039, 10461044, 10461069, 10478806, 10478814, 10478819, 10478831, 10478890, 10478921, 10478928, 10478929, 10478930, 10478953, 10478957, 10478976, 10479015, 10479016, 10479020, 10479035, 10479036, 10479054, 10479068, 10479069, 1990308, 1990309, 1990311, 1990312, 1990315, 1990318, 1990326, 1990347, 1990499, 1993701, 1993702, 1993705, 1993712, 1993723, 1993726, 1993738, 1993741, 1993744, 1993754, 1993756, 1993759, 1993761, 1993762, 1993767, 1993769, 1993789, 1993790, 1993792, 1993793, 1993799, 1993800, 1993817, 1993818, 1993819, 1993829, 1993832, 1993837, 1993850, 1993854, 1993855, 1993862, 1993866, 1993879, 1993880, 1993881, 1993886, 1993893, 1993894, 1993903, 1993905, 1993914, 1993917, 1993921, 1993947, 1993950, 1993951, 1993954, 1993955, 1993956, 1993957, 1993963, 1993970, 1993971, 1993981, 1993986, 1993988, 1993994, 323818, 323834, 323835, 323836, 323837, 323839, 323840, 323849, 323868, 323869, 323879, 323880 **|** **John Deere** E48134

99.0626.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**15.95/23.85**
CW-CCW Sentido	**CCW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19.0**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 3508, 3512, 3516 **|** **General Motors/Chevrolet** Caminhão linha pesada / Heavy line truck / Camión línea pesada (6V) **|** **Waukesha** Especial / Special

OEM *ORIGINAL*

ACE 3297, 3497, 4497 | **Cargo** 132731 | **Caterpillar** 3N3150, 3T5343, 5L6429, 5L6604, 8L9782, 93090 | **Delco Remy** 1894212, 1945879, 1970527, 1977004, 8000067, 830621 | **Facet** 480135, 480322 | **Leece-Neville** 64235, MO2904297, MO29064235 | **Lester** 3039, 3040, 3288, 3289, 3290, 3297, 3701, 3702, 3747, 3899, 4851, 6261, 6263, 6272, 6273, 6621, 6622, 6623, 6629 | **Volkswagen** 480322 | **WAI** 54125

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10478981, 1109220, 1109221, 1109297, 1109648, 1109962, 1113856, 1113857, 1113874, 1113875, 1113889, 1113907, 1113917, 1113953, 1113984, 1113996, 1114047, 1114059, 1114062, 1114063, 1114075, 1114080, 1114093, 1114100, 1114104, 1114106, 1114183, 1114702, 1114718, 1114736, 1114739, 1114778, 1114792, 1114807, 1114808, 1114809, 1114840, 1114902, 1114922, 1114925, 1114930, 1114952, 1114959, 1114960, 1990213, 1990215, 1990216, 1990217, 1990236, 1990242, 1990245, 1990265, 1990340, 1990380, 1990381, 1990389, 1990395, 1990430, 1990436, 1990439, 1990447, 1990494, 1993827, 1993849, 1993996, 1993999

99.0627.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

CBT Javali

OEM *ORIGINAL*

CBT 580000043

99.0629.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F12000, F14000 (1999), F700 (Diesel)

OEM *ORIGINAL*

Cargo 133854 | **Delco Remy** 10456455, 10457056, 10457579 | **Lester** 6468, 6469, 6570, 6573, 6585, 6589, 6590, 6595 | **Lucas Indiel** 223787

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479621, 10479634

99.0629.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

Igual ao BZM 99.1194.0/Same as 99.1194.0 BZM/Igual que BZM 99.1194.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Especial / Special | **Cummins** Especial / Special (Delco Remy 28MT) | **Ford** F12000, F14000 (1999), F700, Ford Truck (Cummins) | **General Motors/Chevrolet** Sierra (Importado / Imported), Silverado (Importado / Imported) | **John Deere** Especial / Special

OEM *ORIGINAL*

Cargo 133854 | **Delco Remy** 10456455, 10457056, 10457579 | **Lester** 6583 | **Lucas Indiel** 220427

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10465151, 10465314, 10479604, 10479614, 10479615, 10479617, 10479618, 10479625, 10479634, 10479638, 10479641, 1113269, 1113270, 1113292, 1113295, 1113296

99.0630.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Duna (1.7 D), Fiorino, Selecta (TD), Tipo (1.7 D), Uno, Uno (D), Uno (TD) | **Fiat Iveco** Especial / Special | **Mercedes-Benz** E 420, E 420 (T-Modell), E 500, E 500 (Coupé), E 500 (SEC), E 500 (SEC Coupé), E 560 (SEL), S 420, S 500, SL 500 | **Renault** Express, R11 (Diesel), R5 (Diesel), R9 (Diesel)

OEM *ORIGINAL*

Bosch 1006209538, 1006209539, 1006209691 | **Cargo** 132205 | **Fiat** 9940740 | **Italacciai** SD062 | **Lester** 17038, 17150, 17227, 17281, 17410, 17698 | **Lucas Indiel** 222525

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110003, 0001110005, 0001110016, 0001110025, 0001110026, 0001110039, 0001110053, 0001110054, 0001110055, 0001110075, 0001110078, 0001110079, 0001110082, 0001110089, 0001110091, 0001110092, 0001110095, 0001110102, 0001110113, 0001110115, 0001110124, 0001110125 | **Fiat** 7580192

99.0631.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 100 (2.5 TD), 100 (D), 100 (TD), 5000 (TD) | **Fiat** Ducato, Marengo, Marengo (2.0 D), Regata (1.9 TD), Regata (TD), Ritmo (1.9 TD), Ritmo (TD), Tipo (1.9 TD), Tipo (TD) | **Lancia** Dedra (TD), Delta (TD), Prisma (TD) | **Steyr Puch** Pinzgauer (TD) | **Volkswagen** LT 28, LT 31, LT 35, LT 40, LT 45, LT 50 (TD) | **Volvo** 240 (2.4 D), 740 (2.4 D), 760 (2.4 TD), 780 (TD)

OEM *ORIGINAL*

Bosch 9001140317, 9003336293 | **Cargo** 131998 | **Fiat** 9939194, 9950416 | **Italacciai** SD440 | **Lester** 17009 | **Lucas Indiel** 223285 | **Volkswagen** 069911335A | **Volvo** 1367414 | **WAI** 549158

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218001, 0001218004, 0001218005, 0001218008, 0001218010, 0001218012, 0001218013, 0001218017, 0001218018, 0001218025, 0001218107, 0001218115, 0001218120, 0001219004, 0001219008 | **Fiat** 5984563, 5985182

99.0632.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Granada (2.5 D), Scorpio (2.5 D), Sierra (2.3 D) | **Renault** R18 (2.0 D)

OEM *ORIGINAL*

Bosch 9002336207, 9003336201, 9003336284 | **Cargo** 131997 | **Lucas Indiel** 223788 | **Magneti Marelli** 940113020193 | **Stemot** 19201 | **Visnova** 424275

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218002, 0001218015, 0001218022, 0001218106, 0001218129

99.0633.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (1.6 D), Fiesta (1.6 D), Orion (1.6 D)

OEM *ORIGINAL*

Bosch 1006209519 | **Lucas Indiel** 223789

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001317023

99.0634.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Pick Up, Pick Up Short Bed XE (L4 2.4 Gasolina / Gasoline, 1994), Pick Up XE (L4 2.4 Gasolina / Gasoline, 1994), Sunny Coupé (1.6i)

OEM *ORIGINAL*

Hitachi 211445012 | **Lester** 17454 | **Lucas Indiel** 223790 | **Nissan-Datsun** 2331242L60

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114505, S114509, S114526, S114526A, S114527, S114527A | **Nissan** 2330001N00, 2330020P00, 2330057N60, 23300G8400

99.0635.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere 1040, 1065, 1075, 1085, 1140, 1640, 1840, 2140, 3040, 310, 3140, 350, 400, 410, 450, 840, 932, 940, 941, 952, 955, 958, 965

OEM *ORIGINAL*

Bosch 2006209427, 2006209457, 2006209459, 2006209931 | **Cargo** 132345, 333510 | **Delco Remy** 19070221 | **John Deere** AL63095 | **Lester** 16563, 17095 | **Lucas Indiel** 223791 | **WAI** 549150

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362312, 0001362316, 0001362319, 0001362321, 0001367037, 0001368059, 0001369001, 0001369005

99.0636.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Festiva | **Kia** Pride

OEM *ORIGINAL*

Ford E8BZ11350A, SDE334 | **Lester** 17010 | **Lucas Indiel** 223792 | **Mazda** B30118400, B30118X45 | **Mitsubishi** M191T26771

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford B8GY11002A, E8BZ11002A, F0BZ11002A, SAE761A, SAE763, SAE782 | **Mazda** B30118400, B30118400C, B35918400A | **Mitsubishi** M3T33081, MC108027

99.0639.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**79.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort XR3 | **Seat** Toledo (1.9 TDI) | **Volkswagen** Eurovan, Pointer, Polo

OEM *ORIGINAL*

Bosch 1006209552, 1006209912 | **Cargo** 134371 | **Lester** 17231 | **Lucas Indiel** 223795, TMB474

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110031, 0001110032, 0001110061, 0001110062, 0001110084, 0001110085

99.0641.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	**16.90**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Grand Caravan (3.0i LE), Spirit, Voyager (2.5), Voyager (3.0)

OEM *ORIGINAL*

Bosch 1006209561 | **Cargo** 136888 | **Chrysler** 5234382 | **Lester** 16963, 17210 | **Lucas Indiel** 223332 | **Waukesha** 549159

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108068, 0001108069, 0001108070, 0001108103, 0001108104, 0001108105, 0001108123, 0001108134, 0001108135, 0001108160

99.0648.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Caminhão / Truck / Camión 1180, Caminhão / Truck / Camión 1280, Caminhão / Truck / Camión 1380, Caminhão / Truck / Camión 1580, Caminhão / Truck / Camión 1880, Caminhão / Truck / Camión 570, Caminhão / Truck / Camión 580, Caminhão / Truck / Camión 605, Caminhão / Truck / Camión 640, Caminhão / Truck / Camión 666, Caminhão / Truck / Camión 670, Caminhão / Truck / Camión 680, Caminhão / Truck / Camión 765, Caminhão / Truck / Camión 766, Caminhão / Truck / Camión 780, Caminhão / Truck / Camión 855, Caminhão / Truck / Camión 880.15, Caminhão / Truck / Camión 955, Caminhão / Truck / Camión 980 | **Fiat Allis** Caminhão / Truck / Camión 545B, Caminhão / Truck / Camión 645B | **New Holland** Trator / Tractor 8830 (04/1994→), Trator / Tractor DT8630 (04/1994→), Trator / Tractor FNH 8430 (04/1994→)

OEM *ORIGINAL*

Bosch 2006209426, F000AL1899 | **Cargo** 134282, 333197 | **Delco Remy** 19024527 | **Fiat** 79033659, 9817290, 9817920, 9959572 | **Italacciai** SD314 | **Lester** 17092, 17184, 18030, 18033 | **Lucas Indiel** TNB417 | **WAI** 549110

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001367028, 0001367029, 0001368019, 0001368020

99.0649.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat 2400 (Perkins 4236 DSL, 1989~1991), 2410 (Perkins 4236 DSL, 1989~1993), 3023 (Kubota V1702 DSL, 1989~1992), 641 (Deutz F2L511 DSL, 1989~1990), 741 (Deutz F2L511D DSL, 1989~1990), 843B (Isuzu 4JB1PK-01 DSL, 1990~1992), 843HC (Isuzu 4JB1PK-01 DSL, 1989~1992), 853 (Isuzu 4JB1PK-03 DSL, 1990~1994), 853H (Isuzu 4JB1PK-03 DSL, 1991~1994), 943 (Perkins 4236 DSL, 1990~1994), 974 (Perkins 4236 DSL, 1989~1990) | **Clark** 2000 (Perkins 2.5L, 1989), 641 (Deutz F2L511, 1989~1990), 741 (Deutz F2L511, 1989~1990), 843 (Perkins 2.5L, 1989~1990), 843B (Isuzu, 1990~1992), 853 (Isuzu, 1991~1995), 853H (Isuzu, 1991~1995), 943 (Perkins 4236, 1990~1994), 974 (Perkins 4236, 1989~1990) | **Hyster** H150-275H (Perkins 6354, 1985~1986), H350A (Perkins 6354, 1985~1988) | **Lincoln** Vários Perkins / Various Perkins | **Lister Petter** Trator / Tractor TX2, Trator / Tractor TX3 | **Macdon** 7000 (Perkins Diesel, 1993~1997) | **Mack** CS Series - Midliner (Mack Motor / Engine, 1990~1999), CS Series - Midliner (Motor / Engine Renault 5.8L, 1986~1991), CS Series - Midliner (Motor / Engine Renault 6.2L, 1990~2001), CS Series - Midliner (Renault 8.8L,

1986~1990), MS Series - Midliner (Motor / Engine Mack E3, 1990~1999), MS Series - Midliner (Motor / Engine Mack E5, 1986~1990), MS Series - Midliner (Motor / Engine Mack EC5, 1986~1990), MS Series - Midliner (Motor / Engine Renault 5.8L, 1986~1991), MS Series - Midliner (Motor / Engine Renault 6.2L, 1990~1999) | **Massey Ferguson** MF60E (Motor / Engine Perkins Diesel) | **Miller Electric Welder** 27 Series (2.0L Motor / Engine Teledyne, 1989~1993), 27 Series (2.7L Motor / Engine Teledyne, 1989~1993), Big 40 (Motor / Engine Continental, 1992) | **New Holland** 1426 (Motor / Engine Caterpillar, 1986~1989), 1426 (Motor / Engine Perkins, 1982~1985), 1495 (Motor / Engine Perkins, 1982~1985), L783 (Perkins 4203 Diesel, 1989~1995), L785 (Perkins 4203 Diesel, 1989~1994) | **Perkins** 4236 (4 cil / cyl Diesel, 1989~2004), Vários modelos / Various models (Diesel) | **Prairie Sprayer** 4800 Sprayer (Perkins Diesel, 1993~1997), 4900 Sprayer (Perkins Diesel, 1993~1997) | **Westerbeke** 108B (6 cil / cyl Diesel, 1991~1994), 108C (6 cil / cyl 247ci 4.1L Diesel, 1994~2007), 16.0 BED (4 cil / cyl Diesel, 1990~1995), 64A (4 cil / cyl 182ci 3.0L Diesel, 2003~2007), 71C (4 cil / cyl 154ci 2.5L Diesel, 1994~2007), 82B (4 cil / cyl 182ci 3.0L Diesel, 1991~2007), 90A (4 cil / cyl 211ci 3.5L Diesel, 1999~2007), GCX40 Perkins (Diesel, 1990~1997), GCX50 Perkins (Diesel, 1990~1997), GPX35D Perkins (Diesel, 1990~1995), GPX40D Perkins (Diesel, 1990~1995), GPX50D Perkins (Diesel, 1990~1995) | **Westward** 7000 Perkins (Diesel, 1993~1997)

OEM *ORIGINAL*

Cargo 133975 | **Delco Remy** 10457057 | **Lester** 6572, 6576, 6578, 6581, 6584, 6587, 6588, 6593, 6600, 6602 | **Magneti Marelli** 940113020205, 940113020412, AMB0205, AMB0412

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479607, 1113274, 1113275, 1113278, 1113281, 1113282, 1113284, 1113285, 1113288, 1113289, 1113290, 1113297

99.0649.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Especial / Special | **Clark** Especial / Special | **Deutz** Allis (12v), Allis (24v) | **Hyster** Empilhadeira / Forklift / Apiladora | **IHC** Especial / Special | **Magneti Marelli** MF 95 | **Massey Ferguson** Maxion 9110, Maxion 9130, Maxion 9150, Maxion 9170, MF 270, MF 275, MF 285, MF 290, MF 292, MF 295, MF 296, MF 400, MF 50X, MF 55X, MF 65R, MF 65X, MF 85X, MF 86, MF 95I, MF265, MF95 | **Müeller** Especial / Special | **New Holland** Especial / Special | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Tratores / Tractors / Tractores

OEM *ORIGINAL*

Delco Remy 10457057, D2054 | **Lester** 6572, 6576, 6578, 6581, 6584, 6587, 6588, 6593, 6600, 6602

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479607, 1113274, 1113275, 1113278, 1113281, 1113282, 1113284, 1113285, 1113288, 1113289, 1113290, 1113297

99.0650.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat 1600 (Kubota V1702 Diesel, 1989~1993), 643 (Kubota D1402BA Diesel, 1989~1993), 743 (Kubota V1702BA Diesel, 1989~1990), 743B (Kubota V1702BA Diesel, 1991~1994), 753 (Kubota V2203B Diesel, 1990~1994), 7753 (Kubota V2203B Diesel, 1991~1994) **| New Holland** L555 (Perkins 4-108 Diesel, 1989~1993)

OEM *ORIGINAL*

Cargo 133976 **| Delco Remy** 10457058

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479606, 10479613, 1113273, 1113279, 1113280

99.0650.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat 1600 (Kubota V1702 Diesel, 1989~1993), 643 (Kubota D1402BA Diesel, 1989~1993), 743 (Kubota V1702BA Diesel, 1989~1990), 743B (Kubota V1702BA Diesel, 1991~1994), 753 (Kubota V2203B Diesel, 1990~1994), 7753 (Kubota V2203B Diesel, 1991~1994) **| New Holland** L555 (Perkins 4-108 Diesel, 1989~1993)

OEM *ORIGINAL*

Cargo 133976 **| Delco Remy** 10457058

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479606, 10479613, 1113273, 1113279, 1113280

99.0651.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz Allis | **Mercedes-Benz** Caminhão / Truck / Camión 1620, Caminhão / Truck / Camión 712 (Eletrônico / Electronic / Electrónico)

OEM *ORIGINAL*

Delco Remy 10457059 | **Lester** 6579, 6599

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479620, 1113286

99.0651.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz Allis | **Mercedes-Benz** Caminhão / Truck / Camión 1620, Caminhão / Truck / Camión 712 (Eletrônico / Electronic / Electrónico)

OEM *ORIGINAL*

Delco Remy 10457059 | **Lester** 6579, 6599

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479620, 1113286

99.0655.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.80**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**36.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Sea Doo Jet Ski (Motor de partida especial com eixo 12.8mm para modelo Sea Doo Super / Especial starter motor with 12.8mm shaft for Sea Doo Super model / Motor de arranque especial con eje 12.8mm para modelo Sea Doo Super, 1988~1992)

OEM *ORIGINAL*

Facet 10593

99.0656.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Espace (TD), Fuego (TD), Master (D), R18 (TD), R20 (TD), R21 (TD), R25 (TD), R30 (TD), Trafic (D)

OEM *ORIGINAL*

Bosch 1987BE0047 | **Cargo** 131999 | **Italacciai** SD508 | **Lester** 17085 | **Lucas Indiel** 221292 | **Paris Rhone** 105538, 185182 | **Valeo** 105538, 182047, 185182, 594245, NE209, NE883 | **WAI** 549424

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D9R073 | **Valeo** D9R134, D9R73

99.0657.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.05**
G Ø Externo do Dente	**37.18**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Motor Maxion HSD) | **General Motors/Chevrolet** S10 (2.5 Motor Maxion Diesel) | **Land Rover** 110, 130 (2.5 D), 130 (2.5 DT), 90, Defender, Discovery (OMO14A), Pick-Up | **Mercedes-Benz** Sprinter 310 (Diesel) | **Peugeot** 504 (CLM Diesel), 504 (Turbo Diesel)

OEM *ORIGINAL*

Cargo 132022 | **Italacciai** SD483 | **Lucas Indiel** 223808, TMB276 | **Paris Rhone** 181068, 183518 | **Valeo** 181068, 182178, 183518, 594040, NE212, NE881 | **WAI** 5494441

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Italacciai D9R091 | **Valeo** D9R91

99.0661.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge (Série S) | **Ford** D0707, D0810, D0910, D1010, D1111, D1211, D1314, N0708, N0710, N0808, N0810, N0812, N0814, N0910, N0914, N1114, N1414, NA1814, NA2214 | **Massey Ferguson** MF 155, MF 158, MF 168, MF 186, MF 187, MF 188, MF 487, MF 507, MF 510, MF 520, MF 525, MF 87 | **Perkins** Estacionários / Stationaries / Parados, Motor Industrial / Industrial Motor, Trator / Tractor

OEM *ORIGINAL*

Bosch 2006209413, 2006209443 | **Cargo** 131106

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001359067, 0001359069, 0001359081, 0001359082, 0001359104, 0001359109, 0001359110, 0001360055

99.0662.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Crown Victoria (LX V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Police Interceptor (V8 4.6 Gasolina / Gasoline, 1993~1995), Crown Victoria S (V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Touring Sedan (V8 4.6 Gasolina / Gasoline, 1992), Mustang, Mustang (GT V8 4.6 Gasolina / Gasoline, 1996~1997), Mustang Cobra (V8 4.6 Gasolina / Gasoline, 1996~1997), Thunderbird (LX V8 4.6 Gasolina / Gasoline, 1994~1996) **| Lincoln** Mark VIII LSC (V8 4.6 Gasolina / Gasoline, 1995~1996), Town Car Cartier (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Executive (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Jack Nicklaus (V8 4.6 Gasolina / Gasoline, 1993), Town Car Signature (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Spinmaker Edition (V8 4.6 Gasolina / Gasoline, 1995), Town Car Tournament Edition (V8 4.6 Gasolina / Gasoline, 1994) **| Mercury** Cougar XR7 (V8 4.6 Gasolina / Gasoline, 1994~1996)

OEM *ORIGINAL*

Cargo 231960 **| Ford** F2VY11350A, SD341 **| Lester** 3221, 3267 **| Visnova** 596018

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F2VY11002A, F3LU11000AA, F3LY11002A, SA789, SA822

99.0668.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**84.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson MF235, MF235 (1986→), MF265 (1986→) **| Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor MF235 (A3.152), Trator / Tractor MF265 (A3.152), Trator / Tractor MF265 (AD4.203, 04/1976), Tratores / Tractors / Tractores **| Yanmar** 1050D, 1050D (4x4)

OEM *ORIGINAL*

Bosch 9001083629

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083072, 9000453072, 9000453080

99.0669.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**30.00**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**109.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Trator / Tractor **| New Holland** Trator / Tractor

OEM *ORIGINAL*

Ford E8PZ11350A, SDE339 **| Lester** 17037 **| Mitsubishi** M191T66271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E8TF11000AA, E8TZ11002A, SA739B **| Mitsubishi** M3T90072

99.0670.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**30.00**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Motor / Engine B (3.9), Motor / Engine B (5.9), Motor / Engine B (8.3) **| Ford** Truck (Diesel) **| FORD (USA)** Serie E (6.9), Serie E (7.3) **| New Holland** Trator / Tractor

OEM *ORIGINAL*

Cargo 139645 **| Ford** E5PF11350AA, E5PZ11350A, SDE330 **| Lester** 17037 **| Mitsubishi** 208050, M191T65571

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E5TF11000AA, E5TZ11002B, E8TF11000AA, E8TZ11002A, F3TU11000AA, SA739A **| Mitsubishi** M3T90011, M3T90071, M3T90072

99.0673.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**23.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan-Datsun Pick-Up, Sentra, Vanette

OEM *ORIGINAL*

Bosch 9001042060

99.0684.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**35.40**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford 1000 (2-77 Shibaura, Diesel, 1973~1978), 1500 (2 cil / cyl, Shibaura, Diesel, 1979~1982), 1600 (2-77 Shibaura, Diesel, 1976~1979), 1700 (2-78 Shibaura, Diesel, 1979~1982), C190M (1976~1991) | **Isuzu** Misc Industrial Equipment 2AB1, Misc Industrial Equipment 3AB1, Misc Industrial Equipment C190 | **New Holland** 1000 (2-77 Shibaura Diesel, 1973~1978), 1500 (2 cyl / cyl Shibaura Diesel, 1979~1982), 1600 (2-77 Shibaura Diesel, 1976~1979), 1700 (2-78 Shibaura Diesel, 1979~1982)

OEM *ORIGINAL*

Hitachi 212015501, 21309500 | **Lester** 17087, 17090, 17299, 17331, 18064, 18298

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ishikawajima 185086050, 185086051, 185086052, 185086140, 185086141, 185086350 | **Isuzu** 5811000571, 5811000740 | **New Holland** SBA185086050, SBA185086051, SBA185086052, SBA185086141, SBA185086350 | **Nissan** 2330079601

99.0686.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bedford Midi, Rascal | **Effa Motors** Hafei, Towner Junior (2011→) | **Mitsubishi** Especial / Special | **Suzuki** Automóveis / Automobiles / Automóviles

OEM *ORIGINAL*

Bedford 91118533 | **Cargo** 133441 | **Krauf** SDN6441 | **Nippondenso** 0283003880, 0283004471 | **Suzuki** 3132078310 | **Woodauto** SDV38513

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280008040, 0280009430, 1280001290, 1280001291, 1280001761, 1280001860, 1280003640

99.0687.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.90**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**78.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Pathfinder (3.0 V6 Gasolina / Gasoline), Terrano

OEM *ORIGINAL*

Hitachi 211435551 | **Lester** 16817, 17196

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114503A, S114516, S114516A, S114528, S114528A

99.0691.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**15**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**44.50**
IG Ø Interno do Dente	**32.80**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yanmar Marítimo / Marine 1GM10L (1 cil / cyl, 19.41ci, 0.318L, Diesel), Marítimo / Marine 1GM10VE (1 cil / cyl, 19.41ci, 0.318L, Diesel), Marítimo / Marine 1GMY (1 cil / cyl, 19.41ci, 0.318L, Diesel), Marítimo / Marine 2GMFL (2 cil / cyl, Diesel), Marítimo / Marine 2GMFY(E)-E (2 cil / cyl, Diesel), Marítimo / Marine 2GML (2 cil / cyl, Diesel), Marítimo / Marine 2GMYE-EC (2 cil / cyl, Diesel), Marítimo / Marine 3GMFY (3 cil / cyl, Diesel), Marítimo / Marine 3GMLE (3 cil / cyl, Diesel), YM1700 (2TR17, 1975~1990), YM2000 (2TR20, 1975~1990)

OEM *ORIGINAL*

Cargo 133465 | **Hitachi** 211445002 | **Lester** 16710, 18216

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 5114146, 5114244, 5114417

99.0694.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**27.60**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**82.00**

OEM *ORIGINAL*

ACE 4879 | **Nippondenso** 0283005180 | **Toyota** 2801110030 | **WAI** 548230

99.0701.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan E16, Sentra, Sunny, Tsuru

OEM *ORIGINAL*

Bosch 9001042189

99.0706.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 164 (TD), 33 (TD), 75 (TD), 90 (TD), Alfetta (TD), Giulietta (TD) | **Chrysler** Voyager (2.5 TD) | **Peugeot** 307 (XND), 307 (XRD), 307 (XRDT), 405 (1.9 D)

OEM *ORIGINAL*

Bosch 9002336206, 9003336206 | **Cargo** 132388 | **Fiat** 60732108 | **Lucas Indiel** 223854 | **WAI** 5491121

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218007, 0001218023, 0001218125, 0001218126

99.0708.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**14.20**
L Comprimento	**36.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Motor de Popa / Outboard Engine / Motor Fueraborda **| Johnson/Evinrude** Motor de Popa / Outboard Engine / Motor Fueraborda

OEM *ORIGINAL*

Cargo CG231767 **| Honda** 312062F5L31 **| Johnson Electric** 5712820DV30SM **| UTMS** 5712820

99.0709.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 170 SD, 180 SD **| Yanmar** Rastrojero (Motor D4M)

OEM *ORIGINAL*

Lucas Indiel 221491

99.0711.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**69.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan 100 NX (2.0 GTI), Almera (2.0 GTI), Primera (2.0), Sunny (2.0) **| Subaru** Especial / Special

OEM *ORIGINAL*

Cargo 136229 **| Hitachi** 2335453J11 **| Lester** 17180, 17246 **| Mitsubishi** M191T12571 **| Nissan** 2335453J11

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M1T72981, M1T72985, M1T74781, M1T74785, M1T78881

99.0712.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Maverick 2400 (1993~1996) **| Nissan** D21 Pick-up 2400 (1992~1998), Frontier (L4 2.4L 2389cc, 1998~2001), Frontier (L4 2.4L 2389cc 146cid, 2001), Infiniti QX4 (V6 3.3L 3275cc, 1997~2000), Pathfinder (V6 3.3L 3275cc, 1996~2000), Pick Up (L4 2.4L 2389cc, 1996~1997), Terrano II (2.4L, 1993~1996), XTerra (L4 2.4L 2389cc, 2000~2001)

OEM *ORIGINAL*

Lester 17425, 17683, 17685 **| Mitsubishi** M191T13471

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000T60181, M1T60281 **| Nissan-Datsun** 233000W010, 233000W011, 233001S770, 233001S771, 233001S772, 233001S772R, 233004S100, 233004S102, 233004S102R, 2330080G10, 2330086G10, 2330086G11, 23300F4U010

99.0713.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**20.80**
IS Ø Interno da Estria	**17.20**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 1100T, 125, 1300, 1500, 1800, 2300, Coupé, Familiare, Multicarga **| Seat** 1500

OEM *ORIGINAL*

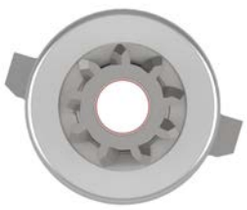
Bosch 9001336205 | **Femsa** 1066122 | **Fiat** 4063663 | **Lucas Indiel** 221832 | **Magneti Marelli** 74870651

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Femsa MTD121, MTD12H5 | **Fiat** 4064058

99.0714.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**70.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge Dodge 1500 (1.8), Durango Pick-Up (4x4) | **Volkswagen** 1500 (1.8)

OEM *ORIGINAL*

Bosch 1987BE0048 | **Garef** 6624100 | **Lucas Indiel** 221905

99.0720.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

IAME Rastrojero (AN115)

OEM *ORIGINAL*

Lucas Indiel 223290

99.0721.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Trator / Tractor 853 (Série 12816390, 1994) **|** **Clark** Especial / Special **|** **Detroit** Motor Estacionário / Stationary Motor / Motor Estacionario **|** **Fiat Allis** Grader PG140 (Ford 7.5L GMA), Grader PG160 (Ford 7.5L GMA)

OEM *ORIGINAL*

Cargo 231965 **|** **Delco Remy** 10457122 **|** **Lester** 6594, 6597

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479605, 10479608, 10479612

99.0722.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case 845 (Grader), 845.2 (Grader), Pá Carregadeira / Wheel Loader / Pala Cargadora W20 **|** **Cummins** Especial / Special **|** **Fiat Allis** Especial / Special (Com embreagem banhada a óleo / With oil-bath clutch / Con embrague en baño de aceite-Cummins 6BT5.9), FD 170 (Cremalheira banhada a óleo / Oil-bath rack / Cremallera en baño de aceite) **|** **Komatsu** Escavadeira / Excavator / Excavadora PC200 (Cummins 4B3.9), Escavadeira / Excavator / Excavadora PC200 (Cummins 4BT3.9), Escavadeira / Excavator / Excavadora PC200 (Cummins 6B5.9), Escavadeira / Excavator / Excavadora PC200 (Cummins 6BT5.9), Escavadeira / Excavator / Excavadora PC200 (Cummins 6BTAA Mack) **|** **TCM Equipment Ag** Serie 28MT (12v) **|** **Timberjack** 608

OEM *ORIGINAL*

Cargo 137760 **|** **CQ** CQ2010819 **|** **Delco Remy** 10457121 **|** **Dixie** 54012812 **|** **ERA** 225303 **|** **John Deere** RE52124 **|** **Krauf** SDD2760 **|** **Lester** 6574, 6582, 6592, 6596, 6598 **|** **Magneti Marelli** AMB0221 **|** **Nikko** 0235000780 **|** **Powermax** 1011513, 81011513 **|** **Unipoint** SD3166, SD3167 **|** **WAI** 548411, 5484111 **|** **Wilson** 61013495 **|** **Woodauto** SDV30620

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479611, 10479616, 10479623, 10479629, 10479655, 1113272, 1113277, 1113291

99.0729.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**76.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (1.6), Escort (2.0), Escort Hobby, Escort XR3, Verona | **Seat** Alhambra (2.0i), Toledo (2.0 16v) | **Volkswagen** Beetle (2.0), Golf G3 (2.0 Syncro), Golf G4 (1.8), Logus (1993→), Passat Alemão, Polo Classic

OEM *ORIGINAL*

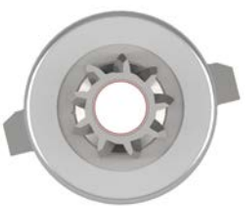
Bosch 1006209579, 1006209917, 1006210141, 9001081010, F000AL1704 | **Cargo** 135086 | **Lester** 17223, 17416 | **Lucas Indiel** 223121, TNB010 | **Volkswagen** 02A911335C | **WAI** 549171

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107003, 0001107004, 0001107022, 0001107023, 9000081001, 9000081002

99.0731.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**68.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault R12, R4, R6

OEM *ORIGINAL*

Lucas Indiel 221902 | **Tria** 3902

99.0732.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**58.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Trafic

OEM *ORIGINAL*

Lucas Indiel 223291 | **Tria** 4424

99.0737.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/41**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.60/53.20**
IG Ø Interno do Dente	**20.40/47.57**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9488.0 / Uses 99.9488.0 BZM Pinion / Utiliza Piñion BZM 99.9488.0 | **General Motors/Chevrolet** Chevy (Diesel) | **Isuzu** Especial / Special (Diesel) | **Massey Ferguson** Especial / Special | **Nissan** Frontier (4x4, 2000), Terrano

OEM *ORIGINAL*

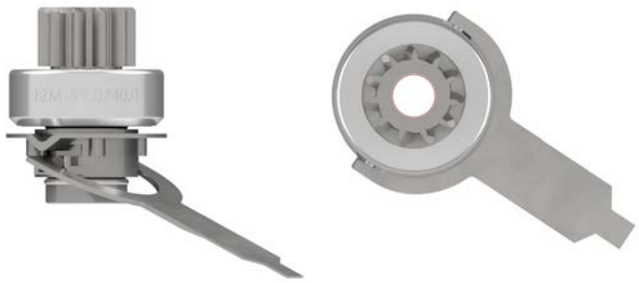
Hitachi 211435006, 211455506, 211475008, 211485008, 211495008 | **Isuzu** 8941155680, 8942363471 | **Lester** 16584, 16611, 16811, 16986, 16997, 18312 | **Nissan** 23312H9100, 23312M4901, 23312N5900, 23312N5903, 23312V5301, 23312V5302

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1114374B, S114253, S114253A, S114253B, S114254, S114254A, S114254C, S114254D, S114255, S114255A, S114258, S1142584C, S114258A, S114258B, S114258C, S114264, S114264A, S114265, S114268, S114268A, S114290, S1142900, S114290A, S114290B, S114296, S114296A, S114344, S114374, S114374B, S114401B, S114403B, S114429, S114429A, S114446, S114449, S114453, S114454, S114457, S114458, S114480, S114481A, S13100, S13115, S13121, S1362, S1362A, S1362B, S1362C, S1363, S1370, S1370A, S1382, S1382A, S1383 | **Isuzu** 891171630, 891364001, 891364480, 892363470, 8941155650, 8941155670, 8941156670, 8941171630, 8941333380, 8941364480, 8942168781, 8942168783, 8942363470, 8942363471, 8942387580, 8942387581 | **Nissan** 2330006W61, 2330017C60, 2330018C60, 2330021P00, 2330022P00, 233005301, 23300H5902, 23300H9100, 23300H9101, 23300N5900, 23300N5902, 23300N5903, 23300R2000, 23300U7500, 23300U7501, 23300U7502, 23300V5300, 23300V5301, 23300V5302, 23300W1000, 23300W1002, 23300W7000,

23300W7001, 23300Y7000, 23300Y7001

99.0740.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Duna (SD), Regata (2000), Spazio (D), Uno (D)

OEM *ORIGINAL*

Lucas Indiel 227796, 228135, 35257798, 35258135

99.0741.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**58.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort | **Peugeot** 504 (Motor 2000), 505 (Motor 2000)

OEM *ORIGINAL*

Bosch 1987BE0049 | **Lucas Indiel** 227951, 228137, 35257952, 35258137

99.0742.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

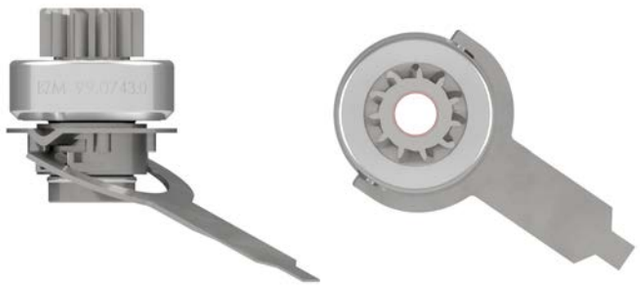
APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Sierra (1.6) **| Volkswagen** Gol Argentino

OEM *ORIGINAL*

Lucas Indiel 227799, 228136, 35257802, 35258136

99.0743.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 128 Super Europa, 147, 147 Brio, 147 SPR, 147 SPT, Duna (1.3), Duna (1.5), Fiorino (1.4), Fiorino (1.6), Regata (85SC), Spazzio, Tipo (1.4), Tipo (1.6), Uno (1.4), Uno (1.6), Vivace

OEM *ORIGINAL*

Lucas Indiel 227965, 228138, 35257963, 35258138

99.0744.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.38**
G Ø Externo do Dente	**27.00**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**39.00**
SPL Número de Estrias	**2**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**14.20**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 500, 600

OEM *ORIGINAL*

Bosch 1987BE0050 **| Fiat** 4044451 **| Lucas Indiel** 221831 **| Magneti Marelli** 74870841

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 870374

IMPULSORES DE PARTIDA

99.0745.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 145 (1.6), 145 (1.7 16v), 146 (1.6), 33 (1.7) | **Audi** A4 (1.6i), A4 (1.8i) | **General Motors/Chevrolet** Astra (1.8i), Astra (2.0 MPFI), Astra (2.0i 16v), Astra Sedan (1.8i), Astra Sedan (2.0i), Astra Sedan (2.0i 16v), Blazer (2.2 EFI), Corsa, Ipanema (2.0 MPFI), Kadett (2.0 MPFI), Omega (2.0i), Omega (2.2i), Omega (3.0i), S10 (2.2 Gasolina / Gasoline), Suprema (2.0), Suprema (2.0i), Suprema (3.0i), Vectra (2.0 16v), Vectra (GLS 2.0), Vectra (GSI 2.0i 16v), Zafira (2.0 MPFI), Zafira (2.0 SFI 16v) | **Peugeot** 306 (1.8i, 09/1995→), 306 (1.8i 16v, 09/1995→), 405 (1.8i, 09/1995→) | **Renault** Espace (2.0 16v, 10/1998→), Megane (2.0 16v, 03/1999→), Scenic RX4 (2.0, 06/1999→) | **Seat** Cordoba (1.0), Cordoba (1.4), Cordoba (1.4 16v), Cordoba (1.6), Ibiza (16v) | **Volkswagen** Gol GTI (16v)

OEM *ORIGINAL*

Bosch 1006209584, 1006209600, 1006209686, 1006209993, 1006209997, 9001081033, 9001084038, F000AL1691, F000AL1878 | **Cargo** 135716, 333194 | **Citroën** 5835A8 | **Fiat** 9943565, 9947476 | **General Motors/Chevrolet** 90421771 | **Lucas Indiel** 223122, TMB584 | **Opel** 90444708, 93170383, 93288939 | **Peugeot** 8535A8 | **Renault** 7701047290, 7701049503 | **Volkswagen** 053911335, 053911335A | **WAI** 54911291

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001106012, 0001106017, 0001106022, 0001106023, 0001106024, 0001107009, 0001107012, 0001107013, 0001107015, 0001107017, 0001107018, 0001107019, 0001107025, 0001107026, 0001107034, 0001107044, 0001107045, 0001107056, 0001107070, 9000081004, F000AL0103, F005M00024

99.0747.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Corsa (1.0), Corsa (1.4) | **Renault** Clio (1.2), Clio (1.4), Laguna (1.8), Laguna (2.0), Megane, R19

OEM *ORIGINAL*

Lucas TDB441 | **Lucas Indiel** 221294 | **Paris Rhone** 186020 | **Valeo** 185441, 594108, NE830

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA32, D6RA33, D6RA39, D6RA48, D6RA59, D6RA6, D6RA61

99.0748.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 7000DX (8000MA Serie 7.5T), Caminhão / Truck / Camión 7000TDX (8000MA Serie 7.5T) **|** **Case** Trator / Tractor W20 (Cummins 6BT590) **|** **Ford** Cargo 1618, F12000 (MWM), F14000 (MWM), F4000 (MWM) **|** **MWM** Motor 410T, Motor 610T **|** **Puma** 7000 Serie 79000 (MWM 4.10T, 03/1996→) **|** **Volkswagen** Caminhão / Truck / Camión (MWM X10), Ônibus / Bus / Ómnibus, Volksbus (MWM)

OEM *ORIGINAL*

Bosch 9001083674, 9002453078, 9002453079 **|** **Lucas Indiel** 223293, TNB674 **|** **Woodauto** 22024086, SDV38101

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083077

99.0748.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.1372.0/Same as 99.1372.0 BZM/Igual que BZM 99.1372.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 7000DX (8000MA Serie 7.5T), Caminhão / Truck / Camión 7000TDX (8000MA Serie 7.5T) **|** **Case** Trator / Tractor W20 (Cummins 6BT590) **|** **Ford** Cargo 1618, F12000 (MWM), F14000 (MWM), F4000 (MWM) **|** **MWM** Motor 410T, Motor 610T **|** **Puma** 7000 Serie 79000 (MWM 4.10T, 03/1996→) **|** **Volkswagen** Caminhão / Truck / Camión (MWM X10), Ônibus / Bus / Ómnibus, Volksbus (MWM)

OEM *ORIGINAL*

Bosch 9001083674, 9002453078, 9002453079 **|** **Lucas Indiel** 223293, TNB674 **|** **Woodauto** 22024086, SDV38101

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083077

99.0749.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19 (coroa 55)**
2T Dois Dentes	**10.20**
G Ø Externo do Dente	**57.50**
IG Ø Interno do Dente	**35.00**
ID Ø da Bucha	**15.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**15**
ES Ø Externo da Estria	**17.80**
IS Ø Interno da Estria	**16.10**
L Comprimento	**107.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BRP Sea Doo 947 **| Kawasaki** 1100 (STX), 1100 (Ultra 150), 1100 (ZXI), 650 (SC), 650 (X2), 750 (SS), 750 (ST), 750 (STS), 750 (STX), 750 (SX), 750 (SXI), 750 (TS), 750 (XI), 750 (ZXI), 900 (STX), 900 (ZXI) **| Polaris** 1050 (SLTH), 1050 (SLTX), 650 (SL), 650 (STD), 700 (Hurricane), 700 (SL), 700 (SLH), 700 (SLT), 700 (SLTX), 780 (SL), 780 (SLT), 780 (SLX), 900 (SL) **| Yamaha** 1100 (Wave Raider), 1100 (Wave Venture), 1200 (GP), 1200 (XL Wave Runner), 1200R (GP), 1200R (XL Wave Runner), 650 (I, II, LX, Super Jet, VXR, VXRPro, XR), 700 (FX1 Raider), 700 (Runner), 700 (Super Jet), 700 (Venture), 700 (VXR), 700 (Wave Blaster), 701 (FX1 Raider), 701 (Runner), 701 (Super Jet), 701 (Venture), 701 (VXR), 701 (Wave Blaster), 760 (GP), 760 (Raider), 760 (Runner), 760 (Wave Blaster II)

OEM *ORIGINAL*

Kawasaki 131013701, 131013703, 131013705, 131013706 **| Lester** 18330, 18648 **| Polaris** 3240120, 4060119 **| Yamaha** 6M68183E0000

99.0750.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.53**
G Ø Externo do Dente	**29.38**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9307.0 / Uses 99.9307.0 BZM Pinion / Utiliza Piñion BZM 99.9307.0 **| Chrysler** Daytona (3.0), Saratoga (3.0), Voyager (3.3 V6, 1990~1993)

OEM *ORIGINAL*

Cargo 137950 **| Isuzu** 8943677720 **| Lester** 17020, 17197, 17216 **| Nippondenso** 0283000010, 0283006860 **| WAI** 548224

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280007500, 1280009380

99.0751.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**17**
2T Dois Dentes	**09.90**
G Ø Externo do Dente	**39.20**
IG Ø Interno do Dente	**30.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.10**
IS Ø Interno da Estria	**13.30**
L Comprimento	**91.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kawasaki ATV 300 (4x4), Magnum (2x4, 1994→), Magnum (4x4, 1994→), Sportsman (4x4) | **Polaris** 400L (2x4), 400L Big Boss (6x6), ATV 300 (4x4), Jet Ski, Magnum (4x4, 1994→), Sportsman (4x4), Trail Boss 250 (Todos exceto 325cc / All except 325cc / Todos excepto 325cc), Xplorer (4x4)

OEM *ORIGINAL*

Mitsuba SM13 | **Poclain** 3084981

99.0752.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**63.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Lanos (1.3), Lanos (1.5), LeMans (1.5), LeMans (1.6), Nexia (1.5), Nexia (1.6), Racer | **General Motors/Chevrolet** Saturn (1991) | **Opel** Astra (1.6), Corsa (1.6), Vectra (1.6)

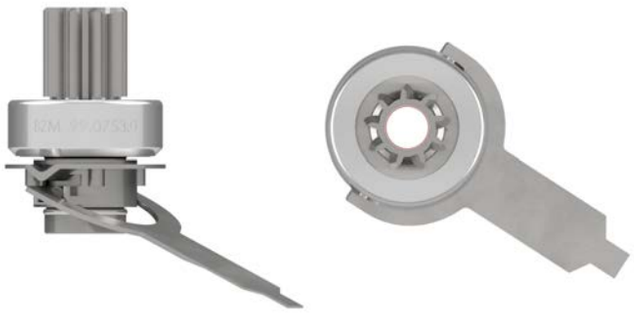
OEM *ORIGINAL*

Bosch 1987BE0051 | **Cargo** 136342, 233950 | **Delco Remy** 10472809, 10497257 | **Lester** 6401, 6432, 6433 | **Lucas Indiel** 223333 | **WAI** 54152

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 21020892, 21020893, 21021366, 21021648, 9000751, 9000756, 9000758

99.0753.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**67.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (Motor Audi) **| Volkswagen** Apollo, Logus

OEM *ORIGINAL*

Lucas Indiel 228229, 35258229

99.0754.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**11.78**
G Ø Externo do Dente	**33.50**
IG Ø Interno do Dente	**22.70**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**15.50**
IS Ø Interno da Estria	**13.20**
L Comprimento	**39.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yamaha LX500

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Yamaha 6K8818071000

99.0755.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**98.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo (7.8 LTS), F800 **|** **General Motors/Chevrolet** Caminhão / Truck / Camión 14.190, Truck **|** **TCM Equipment Ag** Serie 37MT (12v), Serie 37MT (24v) **|** **Volkswagen** Caminhão / Truck / Camión 13.210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 14210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 22.210 (Cummins 6 cil / cyl Turbo)

OEM *ORIGINAL*

Bosch 1987BE0046 **|** **Cargo** 133507 **|** **Delco Remy** 1986244, 1987152 **|** **Facet** 10621, 10639 **|** **Ford** E6HZ11350A **|** **Lester** 6204, 6348, 6391, 6410, 6467 **|** **WAI** 541311S, 541314

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10461001, 10461002, 10461003, 10461005, 10461006, 10461015, 10461039, 10461044, 10461069, 10478806, 10478814, 10478819, 10478831, 10478890, 10478921, 10478928, 10478929, 10478930, 10478953, 10478957, 10478976, 10479015, 10479016, 10479020, 10479035, 10479036, 10479054, 10479068, 10479069, 1990308, 1990309, 1990311, 1990312, 1990315, 1990318, 1990326, 1990347, 1990499, 1993701, 1993702, 1993705, 1993712, 1993723, 1993726, 1993738, 1993741, 1993744, 1993754, 1993756, 1993759, 1993761, 1993762, 1993767, 1993769, 1993789, 1993790, 1993792, 1993793, 1993799, 1993800, 1993817, 1993818, 1993819, 1993829, 1993832, 1993837, 1993850, 1993854, 1993855, 1993862, 1993866, 1993879, 1993880, 1993881, 1993886, 1993893, 1993894, 1993903, 1993905, 1993914, 1993917, 1993921, 1993947, 1993950, 1993951, 1993954, 1993955, 1993956, 1993957, 1993963, 1993970, 1993971, 1993981, 1993986, 1993988, 1993994, 323818, 323834, 323835, 323836, 323837, 323839, 323840, 323849, 323868, 323869, 323879, 323880 **|** **John Deere** E48134

99.0756.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**15.80**
L Comprimento	**61.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 159 (2.2 JTS), Brera (2.2 JTS), Spider (2.2 JTS) **|** **Cadillac** Escalade (5.7) **|** **Fiat** Croma (2.2 16V) **|** **General Motors/Chevrolet** Blazer (4.3 V6, 1996), Cavalier (2.4), Malibu (2.4), S10 (4.3 V6), Safari XT (4.3 V6 Gasolina / Gasoline, 1997), Silverado (6.0), Silverado (8.1), Suburban (5.7), Suburban (7.4), Suburban (8.1) **|** **Hyster** Empilhadeira / Forklift / Apiladora H80XM **|** **Oldsmobile** Bravada (V6 4.3 Gasolina / Gasoline, 1998) **|** **Opel** Astra G (2.2 16v), Signum (2.0 Turbo), Signum (2.2), Speedster (2.2), Vectra (2.2 16v), Vectra C (2.2 16v), Vectra C (2.2 16v GTS), Zafira A (2.2 16v) **|** **Pontiac** Grand AM (2.4), Sunfire (2.4) **|** **Saab** 42803 (1.8), 42803 (2.0 Turbo), 9-3 (1.8 Turbo), 9-3 (2.0 Turbo)

OEM *ORIGINAL*

Bosch 1987BE0052 **|** **Cargo** 138216 **|** **Delco Remy** 10465293, 10475616 **|** **Lester** 6449, 6470, 6472, 6480, 6482, 6560, 6561, 6562, 6563

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10465167, 10465293, 10465309, 10465386, 10465554, 8000321, 9000786, 9000796, 9000798, 9000804, 9000806, 9000819, 9000820, 9000821, 9000822, 9000834, 9000835, 9000850, 9000851, 9000853,

9000860, 9000965 | **Fiat** 5535043, 55352105

99.0758.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**77.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

Lester 17437 | **Mitsubishi** M191T13571

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M1T60381 | **Nissan-Datsun** 23300K9160

99.0762.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**86.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (Motor Audi 827-MQ), Verona

OEM *ORIGINAL*

Lucas Indiel 228368, 228384, 35258384

99.0764.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**35.80**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**73.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD 715 F2 L1011, 716 F3 L1011, 717 F4 L1011, 721 BF4 L1011

OEM *ORIGINAL*

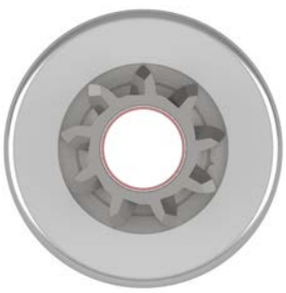
Bosch 2006209465, F000AL1879 | **Cargo** 133596 | **Ika** 451141 | **KHD** 1321160 | **Lester** 17318 | **Magneti Marelli** 940113020234 | **Stemot** 12465 | **Visnova** 424288 | **WAI** 549179

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362700, 0001362701, 0001362702

99.0770.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.30**
L Comprimento	**45.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Cielo, Espero (Motor GM, 2000), Espero CD (2000), Lanos, Nubira, Racer | **General Motors/Chevrolet** Astra (1.8), Blazer (V6), S10, Vectra (CD), Zafira | **Opel** Vectra (CD, 2000)

OEM *ORIGINAL*

Bosch 1987BE0021 | **Cargo** 230073 | **Delco Remy** 10451980, 10475974, 93742495, 93743739 | **Lester** 6445, 6481 | **Lucas Indiel** 223294, TDB974 | **WAI** 54157

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 9000794, 9000846

99.0771.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.20**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**67.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504 (Diesel, Motor XD2, 1995→) **| Renault** Pick Up Rodeo (4 cil / cyl 2.1 Diesel), R18 (4 cil / cyl 2.1 Diesel), Trafic 352 (4 cil / cyl 2.1 Diesel), Trafic T312 (4 cil / cyl 2.1 Diesel), Trafic TA12 (4 cil / cyl 2.1 Diesel), Trafic TA52 (4 cil / cyl 2.1 Diesel)

OEM *ORIGINAL*

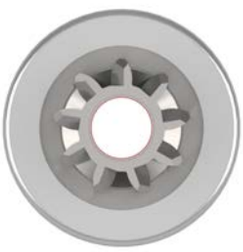
Lucas Indiel 227911, 35257911

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35257880

99.0772.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford 1000 (Motor MWM), F100 (Motor MWM), F150 (Motor MWM), F4000 (Motor MWM) **| MWM** Motor (4 cil / cyl)

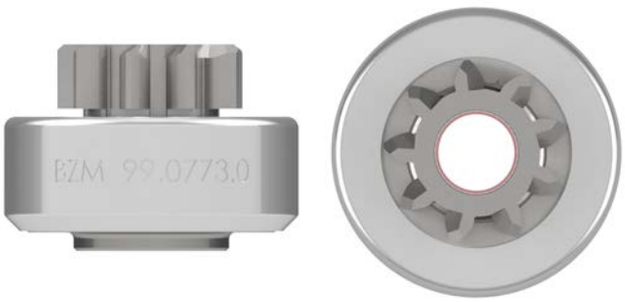
OEM *ORIGINAL*

Lucas Indiel 228266, 35258266

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258240

99.0773.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**15.50**
IS Ø Interno da Estria	**13.20**
L Comprimento	**34.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Sea Doo 110 (1995), 580 (1995), 650 (1995), 720 (1995), GSX (Bombardier), GTI (Bombardier), GTS (Bombardier), GTX (Bombardier), HX (Bombardier), SP (Bombardier), SP1, Todos os tipos exceto 951 / All types except 951 / Todos los tipos excepto 951, XP

OEM *ORIGINAL*

Lester 17605, 18416 | **Nippondenso** 0283006000, 0283007710, 0283007711 | **Sea Doo** 295500089

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280004860, 1280004861, 1280004880

99.0773.3



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**15.50**
IS Ø Interno da Estria	**13.20**
L Comprimento	**32.80**

99.0774.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**61.40**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cadillac DeVille (V8 4.6L 281cid Gasolina / Gasoline, 1995~2000), Eldorado (V8 4.6L 281cid Gasolina / Gasoline, 1995~2000), Seville (V8 4.6L 281cid, 1995~2000), Seville (V8 4.6L 281cid Gasolina / Gasoline, 1995~2000) **|** **General Motors/Chevrolet** 6500 Kodiak (7.0L 427 V8 Gasolina / Gasoline, 1996), B7 (V8 7.0L 7011cc 427cid, 1995~1998), C4500 Kodiak (V8 8.1L 496cid, 2003~2006), C5500 Kodiak (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C5500 Kodiak (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C5500 Kodiak (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C5500 Kodiak (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C5500 Kodiak (V8 8.1L 496cid, 2003~2006), C60 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C60 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C60 (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C60 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C60 Kodiak (V8 6.0L 366cid, 1996), C60 Kodiak (V8 7.0L 7011cc 427cid, 1996), C6500 Kodiak (V8 6.0L 366cid, 1997~1998), C6500 Kodiak (V8 7.0L 7011cc 427cid, 1997~1998), C6500 Kodiak (V8 7.4L 454cid, 1999~2000), C6500 Kodiak (V8 8.1L 496cid, 2001~2006), C70 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C70 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C70 (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C70 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C70 Kodiak (V8 6.0L 366cid, 1996), C70 Kodiak (V8 7.0L 7011cc 427cid, 1996), C7500 Kodiak (6.0L 366 V8 Gasolina / Gasoline, 1996), C7500 Kodiak (8 cil / cyl 7.0L 7011cc 427cid, 1996), C7500 Kodiak (V8 6.0L 366cid, 1997~1998), C7500 Kodiak (V8 6.0L 366cid Gasolina / Gasoline, 1997~1998), C7500 Kodiak (V8 7.0L 7011cc 427cid, 1997~1998), C7500 Kodiak (V8 7.4L 454cid, 1999~2000), C7500 Kodiak (V8 8.1L 496cid, 2001~2006), C80 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C80 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C80 (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C80 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C8500 Kodiak (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C8500 Kodiak (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C8500 Kodiak (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C8500 Kodiak (8.1L 496 V8 Gasolina / Gasoline, 2001~2006), T5500 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), T6500 (V8 6.0L 366cid, 1997~1998), T7500 (V8 6.0L 366cid, 1997~1998) **|** **GMC** B7 (V8 6.0L 366cid, 1995~1998), B7 (V8 7.0L 7011cc 427cid, 1995~1998), C4500 Topkick (V8 8.1L 496cid, 2003~2006), C5500 Topkick (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C5500 Topkick (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C5500 Topkick (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C5500 Topkick (8 cil / cyl 8.1L 496cid Gasolina / Gasoline V8, 2002), C5500 Topkick (8.1L 496 V8 Gasolina / Gasoline, 2001), C5500 Topkick (V8 8.1L 496cid, 2003~2006), C6000 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C6000 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C6000 (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C6000 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C6000 Topkick (V8 7.0L 7011cc 427cid, 1996), C6500 Topkick (7.0L 427 V8 Gasolina / Gasoline, 1996), C6500 Topkick (V8 7.0L 7011cc 427cid, 1997~1998), C6500 Topkick (V8 8.1L 496cid, 2001~2006), C7000 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C7000 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C7000 Topkick (V8 7.0L 7011cc 427cid, 1996), C7500 Topkick (6.0L 366 V8 Gasolina / Gasoline, 1996), C7500 Topkick (V8 6.0L 366cid, 1997~1998), C7500 Topkick (V8 7.0L 7011cc 427cid, 1997~1998), C7500 Topkick (V8 7.4L 454cid, 1999~2000), C7500 Topkick (V8 8.1L 496cid, 2001~2006), C80 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C80 (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C80 (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C80 (8.1L 496 V8 Gasolina / Gasoline, 2001~2002), C8500 Topkick (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), C8500 Topkick (7.0L 427 V8 Gasolina / Gasoline, 1996~1998), C8500 Topkick (7.4L 454 V8 Gasolina / Gasoline, 1999~2000), C8500 Topkick (8.1L 496 V8 Gasolina / Gasoline, 2001~2006), T5500 (6.0L 366 V8 Gasolina / Gasoline, 1996~1998), T6500 (V8 6.0L 366cid, 1997~1998), T7500 (V8 6.0L 366cid, 1997~1998) **|** **Oldsmobile** Aurora (V8 4.0L 244cid, 1995~1999)

OEM *ORIGINAL*

Cargo 138222 **|** **Delco Remy** 10476642 **|** **Lester** 6452, 6471 **|** **WAI** 54156

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10465294, 323489, 9000805, 9000812, CM9805

99.0775.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën AX, AX (1.4 Diesel), AX Sport, BX14, BX16, MOT, XM (2.0i), XU10 | **Peugeot** 205, 205 (GTI), 305, 307, 405, 605 | **Renault** Ônibus / Bus / Ómnibus

OEM *ORIGINAL*

Citroën 96017849 | **Lucas Indiel** 223900, TMB281 | **Paris Rhone** 182412, 184448, 594029, 594031 | **Valeo** 184448, 594029, 594031, NE778, NE784

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA12, D6RA16, D6RA18, D6RA20, D6RA23, D6RA26, D6RA37, D6RA38, D6RA41, D6RA45, D6RA51, D6RA57, D6RA66, D6RA72

99.0778.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**19.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**118.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Escavadeira / Excavator / Excavadora FH400 8215 (Hitachi 13.8L Diesel) | **Fiat Allis** Escavadeira / Excavator / Excavadora FE-45 8215 (Diesel, 1988~1993), Escavadeira / Excavator / Excavadora FH400 8215 (Diesel, 1990~1993), Pá Carregadeira / Wheel Loader / Pala Cargadora FL-14D 8205 (Diesel, 1985~1986), Pá Carregadeira / Wheel Loader / Pala Cargadora FL-20 8215 (Diesel, 1979~1995), Pá Carregadeira / Wheel Loader / Pala Cargadora FR-20 8215 (Diesel, 1987~1991), Pá Carregadeira / Wheel Loader / Pala Cargadora FR-20B 8215 (Diesel, 1986~1995), Trator / Tractor 14C 8205 (Diesel, 1986~1989), Trator / Tractor 14CL 8205 (Diesel, 1986~1989), Trator / Tractor FA-200 8215 (Diesel, 1984~1990), Trator / Tractor FD-14 8205 (Diesel, 1984~1989), Trator / Tractor FD-20 8215 (Diesel, 1981~1995)

99.0779.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Fiorino, Palio (1.0), Palio Weekend (1.5), Siena, Strada, Tipo (1.6), Uno

OEM *ORIGINAL*

Bosch 1987BE0124 | **Fiat** 9945556 | **Lucas Indiel** 223307, TMB009

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 46417006, 46429594, 46465475, 7772459, 7772462, 7785949, 7796598 | **Magneti Marelli** 46414994, 46415504, 46417006, 46429594, 46465475, 63101000, 63101002, 63102003, 63102004, 63102007, 63102008, 63103002, 63103003, 631101002, 63201008, 63222889, 63222900, 63222901, 63222905, 63222908, 63222909, 63222936, 63223035, 63223085, 63223101, 63223108, 63223109, 63223200, 63223303, 7733966, 7772459, 7772462, 7785949

99.0783.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Century (4 cil / cyl 2.2L), Regal (V6 3.1) | **General Motors/Chevrolet** Cavalier (4 cil / cyl, 1996), Lumina (V6 3.1 LTS), Lumina (V6 4.0 LTS), Minivan (3.4 LTS), Monte Carlo (V6 3.1 LTS), MPV (V6 3.4 LTS) | **Hyster** Empilhadeira / Forklift / Apiladora H55XM (2.2 GM) | **JEEP** Cherokee

OEM *ORIGINAL*

ACE 4380, 4381 | **Cargo** 231967 | **Delco Remy** 10487536, 10487934, D2058, D2059 | **Lester** 6473, 6474, 6483 | **WAI** 54166, 54167

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10455069, 10455081, 1358859, 2058

99.0784.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Colheitadeira / Combine / Cosechadora 1620, Colheitadeira / Combine / Cosechadora 1640, Colheitadeira / Combine / Cosechadora 1660, Colheitadeira / Combine / Cosechadora 1666, Colheitadeira / Combine / Cosechadora 1680, Colheitadeira / Combine / Cosechadora 1682, Colheitadeira / Combine / Cosechadora 1688, Colheitadeira /

Combine / Cosechadora 2144, Colheitadeira / Combine / Cosechadora 2166, Colheitadeira / Combine / Cosechadora 2188, Colheitadeira / Combine / Cosechadora 2344, Colheitadeira / Combine / Cosechadora 2366

OEM *ORIGINAL*

Bosch 2006209434 | **Cargo** 231885 | **Lester** 17308 | **Lucas Indiel** 223908 | **WAI** 549183

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001367061

99.0785.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**15**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**44.50**
IG Ø Interno do Dente	**32.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**69.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu Motor Misc Industrial Equipment 3AE1 | **Yanmar** Marítimo / Marine 3HM (3 cil / cyl Diesel, 1980~1984), Marítimo / Marine 3HM35 (3 cil / cyl Diesel, 1982~1992), Marítimo / Marine 3HMF (3 cil / cyl Diesel, 1980~1984), Marítimo / Marine 4JH (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-DTE (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-HT (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-HT-Z (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-T (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-TE (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JH-TZ (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JHE (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine 4JHZ (4 cil / cyl Diesel, 1982~1990), Marítimo / Marine KBW-20 0000, Marítimo / Marine KBW-21 0000, Motor Industrial / Industrial Motor 3D84-1C (1983~2004), Motor Industrial / Industrial Motor 3T90L (1976~1982), Trator / Tractor YM2210 (Motor / Engine 2T90, 1982~1990), Trator / Tractor YM2610 (Motor / Engine 3T80D, 1982~1990), Trator / Tractor YM3000 (Motor / Engine 3T84, 1982~1990)

OEM *ORIGINAL*

Hitachi 213065002 | **Lester** 18204, 18208, 18295

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 51277A, 51279, 51337, 51341, 51341A

99.0786.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 500 (704), 500 (903), Palio (1.5), Panda (750 Fire 1.0), Strada, Tempra, Tipo (1.1), Tipo (1.4), Tipo (1.6), Tipo (2.0), Uno 45 (Fire) **| Kia** Besta (1000cc) **| Lancia** Dedra (i.e 1.6) **| Renault** R12, Trafic (Gasolina / Gasoline, 1995) **| Seat** Ibiza, Malaga, Ronda

OEM *ORIGINAL*

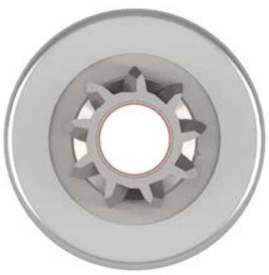
Bosch 1987BE0053 **| Cargo** 132119, 230757 **| Fiat** 9939915, 9940577, 9941300, 9941306 **| Lucas Indiel** 223124, TMM901 **| Magneti Marelli** 74893901, 85540381 **| Visnova** 014193

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63221800, 63221830, 63221832, 63221834, 63221890, 63221892, 63222831, 63222832, 63222833, 63222836, 63222837, 63222838, 63222897, 63223001, 63223031, 63223032, 63223033, 63223034

99.0787.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.50**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Saxo (1.0), Saxo (1.4), Xantia (1.6), Xantia (1.8i), Xantia (2.0i 16v), XM (2.0i), Xsara (1.8), Xsara (2.0 16v), ZX (1.0), ZX (1.4), ZX (1.6), ZX (1.8), ZX (2.0 16v) **| JPX** Jeep (XUD-9A) **| Peugeot** 106 (1.0), 205, 206, 306 (1.6), 306 (1.8), 306 (2.0), 306 (2.0 16v), 405 (1.6), 405 (1.8), 405 (1.9), 405 (2.0), 406 (1.6), 406 (1.8), 406 (2.0 16v) **| Renault** Espace, Laguna (16v), Master, Safrane (V6), Trafic (Gasolina / Gasoline) **| Volvo** S40

OEM *ORIGINAL*

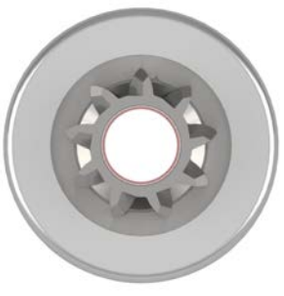
Lester 17667 **| Lucas Indiel** 221293 **| Valeo** 186867, 186938, 187960, 188887, 594214, NE875

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA141, D6RA511, D6RA53, D6RA571, D6RA572, D6RA63, D6RA661, D6RA721

99.0787.2





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.50**

99.0790.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**10.46**
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9527.0 / Uses 99.9527.0 BZM Pinion / Utiliza Piñion BZM 99.9527.0 | **Nissan** CD17, CD20, Cherry, Empilhadeira / Forklift / Apiladora, Patrol (3.3 D), Stanza, Sunny (1.6), Sunny (1.7 D), Vanette (D)

OEM *ORIGINAL*

Cargo 135091 | **Hitachi** 211415507, 211445014, 211485501, 21301502, 213065001, 213065008, 213075004, 213095007, GD307391B | **Lester** 16733, 16809, 18053, 18054, 18061 | **Nissan** 2331203J00, 2331210G00, 2331211M00, 233126T000, 23312W1700, 23354V0700, 23357V0700, 2354V0700 | **Porsche** 21301502, 213065001, 213075004, 23312110M00, 23354V0700 | **WAI** 548133

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1143557A, S114357, S114357A, S114357B, S114357C, S114395A, S114935A, S13102, S13104, S13105A, S1347, S1347A, S1350, S1350A, S1356, S1356A, S1365, S13666A, S1366A, S1369, S1381 | **Nissan** 23300, 233000, 2330000, 233000500, 23300054A01, 2330006W61, 233000703, 23300100G02, 2330010G02, 2330011M00, 2330011M02, 2330011N00, 2330038W00, 2330054A01, 2330083W00, 23300V0700, 23300V0702, 23300V0703, 23300V0705, 23300V0706, 23300V07702, 23300V700, 23300V7260, 23300W2500, 23300W2804 | **Porsche** 2330000, 23300W2804, S1347A, S1350, S1369

99.0791.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8/41**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00/53.20**
IG Ø Interno do Dente	**18.40/47.57**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9528.0 / Uses 99.9528.0 BZM Pinion / Utiliza Piñion BZM 99.9528.0 | **Nissan** 200 SX (L4), 310, Stanza

OEM *ORIGINAL*

Hitachi 211435507 | **Lester** 16694, 16803, 16982 | **Nissan-Datsun** 23312M4902

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114252, S114252A, S114252C, S114252E, S114252F, S114322, S114322A, S114393, S114403B | **Nissan** 2330005P01, 23300D0300, 23300D0301, 23300M4900, 23300M4901, 23300M4903, 23300M4904

99.0792.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/41**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00/53.20**
IG Ø Interno do Dente	**21.10/47.57**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9526.0 / Uses 99.9526.0 BZM Pinion / Utiliza Piñion BZM 99.9526.0 | **Carrier** Isuzu C201 | **Daewoo** Empilhadeira / Forklift / Apiladora | **Hyster** P40, P60 | **Isuzu** Aska, KBD (2.0 D), NKR (2.8 D) | **Thermo King** CG-II M12 (Isuzu 2.0L TK C201 Diesel, 1990~2004), CG-II M20 (Isuzu 2.0L TK C201 Diesel, 1990~2004), CG-II M22 (Isuzu 2.0L TK C201 Diesel, 1990~2004), CG-II M30 (Isuzu 2.0L TK C201 Diesel, 1990~2004), NWD, SB-II (Isuzu 2.0L TK C201 Diesel), SB-II 30 (DI / TC), SB-II 30 (Max), SB-III, SB-III (Isuzu 2.0L TK C201 Diesel, 1980~1989), SB-III (Max), SB-III (SR), Sentry (Isuzu 2.0L TK C201 Diesel), Sentry (SD1200 Isuzu C201), Sentry 30 (DI / TC), SNWD, Super II (Isuzu 2.0L TK C201 Diesel), Super II 30 / Max (Isuzu 2.0L TK C201 Diesel), Super NWD

OEM *ORIGINAL*

Cargo 133605, 136815 | **Hitachi** 211475504, 213035009, 213075002, 213075003, 213085003, 213085004, GD406769B | **Isuzu** 5811230250, 8941492500, 8944232340 | **Lester** 17088, 18067 | **Nissan** 2331225F00 | **Thermo King** 446676, 446681 | **WAI** 548125

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Carrier Transicold 20451285, 20451993 | **Cummins** 3675148RX, 3675149RX | **Isuzu** 5811001980, 5811001981, 5811001982, 8941475492, 8941492490, 8944299770, 8944299780, 8971185420, 8971463383, 8972105050 | **Thermo King** 10451285, 10451671, 10451993, 41044000, 451229, 451263, 451285, 451671, 451993, 8451263, 8451285

99.0793.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8/41**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00/53.20**
IG Ø Interno do Dente	**18.40/47.57**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**94.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan E16, NX1600, NX2000, Pulsar (1.6), Sentra (1.6)

OEM *ORIGINAL*

Cargo 137752, 333859 | **Hitachi** 211465509, GD310447A | **Lester** 16816, 17178 | **Magneti Marelli** 940113020251, AMB0251 | **Nissan** 2331236A00 | **WAI** 548138

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 5114440, 5114475A, 5114486, 51384B, 51389 | **Nissan** 2330036A00

99.0794.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**23.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Motor 4.9L Gasolina / Gasoline)

OEM *ORIGINAL*

Bosch 1006209551

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110033

99.0796.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**65.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 180D Furgão, L407 (D), MB100, MB120, MB140, MB160, MB180, MB180 (D), Pick Up, Sprinter (Partida / Start Bosch)

OEM *ORIGINAL*

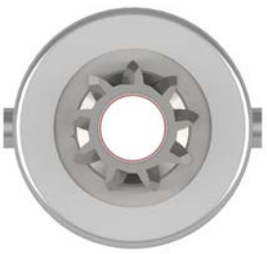
Bosch 9002336208, 9003336208 | **Cargo** 138948 | **Lucas** TMB208 | **Lucas Indiel** 223295 | **Mercedes-Benz** 0011510913, A0011510913

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331419

99.0798.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (Motor Audi) | **Lada** Kalina (1.4 16v), Kalina (1.6), Kalina (16v), Kalina (GPL), Priora (1.6), Priora (GPL) | **Porsche** 924 (2.0 Carrera GT), 924 (Turbo 2.0), 924 S (2.5), 944 (2.5), 944 (2.7), 944 (Turbo 2.5)

OEM *ORIGINAL*

Bosch 1006209521, 1006209535 | **Cargo** 136723 | **Lester** 17023 | **Lucas Indiel** 223919 | **WAI** 549163

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108021, 0001108147

99.0799.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Tipo (1.8 i.e.), Tipo (2.0 i.e.), Tipo (2.0 i.e. 16v) | **Seat** Cordoba (1.6), Cordoba (1.8), Cordoba (1.8 16v), Cordoba (2.0) | **Volkswagen** Golf (1.8), Golf G2 (1.8), Golf G3 (1.8), Golf GTI (2.0), Passat Alemão

OEM *ORIGINAL*

Bosch 1006209585, 1006209679, 1006209916, F000AL2012 | **Cargo** 135085, 333203 | **Lester** 17222, 17415 | **Lucas** TMB585 | **Lucas Indiel** 223125

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107007, 0001107008, 0001107020, 0001107021, 0001107052, 6004AA0021

99.0800.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.9 D), Berlingo (1.9 TD), Berlingo (2.0 HDI), BX17 (D), BX19 (D), Jumper (1.9 D), Jumper (1.9 TD), Jumpy (1.9 D), Jumpy (1.9 TD), Visa 17 (Diesel) | **Peugeot** 205, 305 (1.9 D, 09/1997→), 306 (1.9 D, 09/1997→), 309 (1.9 D, 09/1997→), 405 (D), Boxer (1.9 D), Boxer (1.9 TD) | **Talbot** Horizon (D), Solara (D)

OEM *ORIGINAL*

Bosch 1006209541, 1006209571 | **Cargo** 132204 | **Lucas Indiel** 223920 | **Peugeot** 583589 | **Valeo** 544497

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110017, 0001110999, F010AL0101

99.0801.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Jeep Cherokee | **Mitsubishi** L300

OEM *ORIGINAL*

Lester 17467 | **Lucas Indiel** 220401 | **Mitsubishi** M191T14271, M191T76081

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 56004934 | **Mitsubishi** M1T76081

99.0803.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Scorpio, Sierra (2.8) | **JEEP** Cherokee (SE-L4 2.5 Gasolina / Gasoline, 1994), Wrangler (S-L4 2.5 Gasolina / Gasoline, 1994), Wrangler (SE-L4 2.5 Gasolina / Gasoline, 1994) | **Saab** 1108075, 42803 (L4 2.0L 1985cc, 1999), 42803 (L4 2.3L 2290cc 140cid, 1999), 900 (L4 2.0L 1985cc, 1985~1998), 900 (L4 2.1L 2119cc, 1991~1994), 900 (L4 2.3L 2290cc 140cid, 1994~1998), 9000 (L4 2.0L 1985cc, 1986~1990), 9000 (L4 2.3L 2290cc, 1991~1998), 9000 (L4 2.3L 2290cc 140cid, 1990~1993), 9000 (L4 2.3L 2290cc 140cid, 1990~1994)

OEM *ORIGINAL*

Bosch 1006209564 | **Cargo** 136925 | **Lester** 17013, 17276, 17670 | **WAI** 549165

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108075, 0001108091, 0001108092, 0001108151, 0001108154

99.0805.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lada Samara (1.1), Samara (1.3), Samara (1.5)

OEM *ORIGINAL*

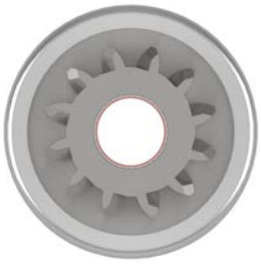
Bosch 1006209578, 1006209923 | **Lucas Indiel** 223296

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108099

99.0806.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Enclave (V6 3.6L 317cid, 2008~2011), Enclave (V6 3.6L 3564cc 217cid, 2011), LaCrosse (V6 3.0L 182cid, 2010), LaCrosse (V6 3.6L 217cid, 2010~2011), LaCrosse (V6 3.6L 3564cc 217cid, 2010~2011) | **Cadillac** SRX (V6 3.0L 182cid, 2010~2011), STS (V6 3.6L 217cid, 2007) | **Citroën** C4 Pallas | **Fiat** 500 | **General Motors/Chevrolet** Acadia (V6 3.6L 217cid, 2007~2011), Acadia (V6 3.6L 3564cc 217cid, 2011), Captiva (3.6), Equinox (V6 3.0L 182cid, 2010~2011), Equinox (V6 3.6L 217cid, 2008~2009), Malibu (V6 3.6L 217cid, 2008~2011), Malibu (V6 3.6L 3564cc 217cid, 2011), Terrain (V6 3.0L 182cid, 2010~2011), Traverse (V6 3.6L 217cid, 2009~2011) | **JPX** Jeep | **Peugeot** 306, 405, 405 (D), 406, 806, Boxer, Expert | **Pontiac** G6 (V6 3.6L 217cid, 2007~2009), Torrent (V6 3.6L 217cid, 2008~2009) | **Saturn** Aura (V6 3.6L 217cid, 2007~2009), Outlook (Truck V6 3.6L 217cid, 2007~2010), Vue (V6 3.6L 217cid, 2008~2010) | **Suzuki** XL7 (V6 3.6L 3564cc, 2007~2009) | **Willys** Pick-up (1994→)

OEM *ORIGINAL*

Lucas Indiel 223297 | **Mitsubishi** M191T13671, M191T14671, M191T18271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 53100008, 68073160AA | **Mitsubishi** M000T33871ZC, M000T33871ZT, M000T36571, M000T82081ZE, M08T87881, M0T36571, M0T82081, M0T86181, M0T93391, M1T80081, M1T85781, M1T90281

99.0809.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Charmant 1300 | **Honda** Civic | **Mercury** Bobcat | **Toyota** 4A 5A 4E 5E, Carina II (1.6), Celica (1.6 GT 16v), Corolla (1.3), Corolla (1.6), Corolla (1.6 GTI 16v), Corolla (Twin Cam), Corolla Coupé (1.6 GT 16v), Etios (2011→), LiteAce (1.5), MR 2 (1.6 GT), Passeo, Starlet (1.0), Starlet (1.2), Starlet (1.3), Tercel, Yaris

OEM *ORIGINAL*

Caelex DRV627 | **Cargo** 136086 | **Denso** 0283006070 | **Honda** 31207P3F003 | **Isuzu** 8943677720 | **Kubota** K351181431 | **Lester** 17203, 17252, 17253 | **Lucas Indiel** 223927 | **Nippondenso** 0283006070, 0283006960 | **Toyota** 280110T070, 2801123030, 2801170020, 2801187Z04, 6070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 31200PLRA52 | **Lucas Indiel** LRS2163 | **Nippondenso** 1280005210, 1280005211, 1280005680, 1280006340, 1280006720, 1280008530, 1280008531, 1280008890, 1280008891, 1280009290, 1280009291, 2280009652, 4280000320, 4280000321, 4280001590, 4380000590 | **Toyota** 281000Y070

99.0811.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	
G Ø Externo do Dente	
IG Ø Interno do Dente	
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**69.00**

OEM *ORIGINAL*

Hitachi 21307500

99.0814.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor MX135

OEM *ORIGINAL*

Bosch 2006209432 | **Lester** 18035

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001367054

99.0815.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/48**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.60/62.00**
IG Ø Interno do Dente	**20.40/56.20**
ID Ø da Bucha	**23.40**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**14.50**
IS Ø Interno da Estria	**13.00**
L Comprimento	**99.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Accord (1.8), Accord (2.0), Aerodeck, Prelude (2.0)

OEM *ORIGINAL*

Cargo 134284 | **Lester** 16845, 16901, 16902, 16914, 16960, 16975, 17160, 17201, 17205, 17474, 17491, 17527 | **Mitsuba** 31204PD1003

99.0816.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10/40**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9349.0 / Uses 99.9349.0 BZM Pinion / Utiliza Piñion BZM 99.9349.0 | **Dodge** B150 (V6 3.9L 3906cc 239cid, 1991~1994), B150 (V8 5.2L 5211cc 318cid, 1991~1994), B1500 (V6 3.9L 3906cc 239cid, 1995), B1500 (V8 5.2L 5211cc 318cid, 1995), B250 (V6 3.9L 3906cc 239cid, 1991~1994), B250 (V8 5.2L 5211cc 318cid, 1991~1994), B250 (V8 5.9L 360cid, 1991~1994), B2500 (V6 3.9L 3906cc 239cid, 1995), B2500 (V8 5.2L 5211cc 318cid, 1995), B2500 (V8 5.9L 360cid, 1995), B350 (V8 5.2L 5211cc 318cid, 1991~1994), B350 (V8 5.9L 360cid, 1991~1994), B3500 (V8 5.2L 5211cc 318cid, 1995), B3500 (V8 5.9L 360cid, 1995), D150 (V6 3.9L 3906cc 239cid, 1991~1993), D150 (V8 5.2L 5211cc 318cid, 1991~1993), D150 (V8 5.9L 360cid, 1991~1993), D250 (V6 3.9L 3906cc 239cid, 1991~1993), D250 (V8 5.2L 5211cc 318cid, 1991~1993), D250 (V8 5.9L 360cid, 1991~1993), D350 (V8 5.9L 360cid, 1991~1993), Dakota (V6 3.9L 3906cc 239cid, 1991~1995), Dakota (V8 5.2L 5211cc 318cid, 1991~1995), RAM 1500 (V6 3.9L 3906cc 239cid, 1994~1995), RAM 1500 (V8 5.2L 5211cc 318cid, 1994~1995), RAM 1500 (V8 5.9L 360cid, 1994~1995), RAM 2500 (V8 5.2L 5211cc 318cid, 1994~1995), RAM 2500 (V8 5.9L 360cid, 1994~1995), RAM 3500 (V8 5.9L 360cid, 1994~1995), RAM 4000 (8 cil / cyl 5.9L 360cid, 1995), Ramcharger (V8 5.2L 5211cc 318cid, 1991~1993), Ramcharger (V8 5.9L 360cid, 1991~1993), W150 (V6 3.9L 3906cc 239cid, 1991~1993), W150 (V8 5.2L 5211cc 318cid, 1991~1993), W150 (V8 5.9L 360cid, 1991), W150 (V8 5.9L 360cid, 1993), W250 (V8 5.2L 5211cc 318cid, 1991~1993), W250 (V8 5.9L 360cid, 1991~1993), W350 (V8 5.9L 360cid, 1991~1993) | **Lexus** LX450 (L6 4.5L 4477cc, 1996~1997) | **Toyota** Land Cruiser L6 (4.5L 4477cc, 1993~1997)

OEM *ORIGINAL*

Cargo 139244 | **Lester** 17466, 17485 | **Nippondenso** 0283007270, 0283007760 | **Toyota** 2801166020

99.0817.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10/40**
2T Dois Dentes	**10.74**
G Ø Externo do Dente	**28.00/53.60**
IG Ø Interno do Dente	**19.55/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler 300 M, Concorde (1993~1997), Fifth Avenue (1993), Imperial, New Yorker, Town & Country (1992~1997), Voyager II, Voyager MK II, Voyager MK III | **Dodge** Caravan (1992~1997), Dynanty (1990~1993), Eagle Vision, Intrepid (1993~1997) | **Plymouth** Grand Voyager, Voyager (1992~1997)

OEM *ORIGINAL*

Cargo 137952 | **Lester** 17460, 17465 | **Nippondenso** 283007720

99.0818.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/40**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64/53.60**
IG Ø Interno do Dente	**20.10/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Integra | **BZM** Utiliza Pinhão BZM 99.9186.0 / Uses 99.9186.0 BZM Pinion / Utiliza Piñion BZM 99.9186.0 | **Dodge** Viper | **Especial/Special** Motocicletas / Motorcycles | **Ford** Ranger (2.5 D) | **Honda** Accord, Civic, Civic (1.6) | **Isuzu** Trooper | **Jaguar** XJS (5.3 V12), XJS (6.0) | **Land Rover** Freelancer (2.0 TD4) | **Lexus** GS 300, LS 400, SC 300 | **Toyota** Carina E, Celica (1.6), Corolla, Corolla (1.6), Land Cruiser (4.7), Tacoma | **Yale** Empilhadeira / Forklift / Apiladora

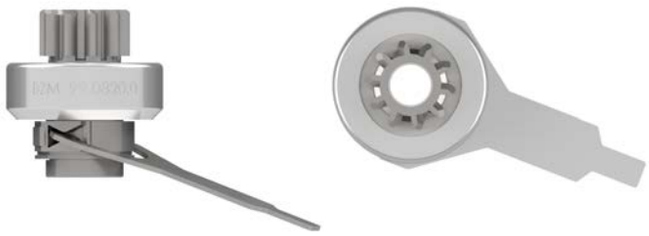
OEM *ORIGINAL*

Cargo 137753, 230856 | **Honda** 31204P03J010M, 31204PM3J010M | **Isuzu** 8943772520 | **Nippon** 0283007940 | **Nippondenso** 0283005980, 0283006990, 0283007170, 0283007220, 0283007980, 0283007990, 0283008350, 0283008440, 0283008450 | **Toyota** 2801175120, 2801176070 | **WAI** 548235

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippon 2280000990, 2280000991, 2280001060, 2280001530, 2280001531, 2280004570, 2280006482, 2280007800, 2280007801 | **Nippondenso** 1280008210, 1280009190, 1280009191, 1280009300, 1280009310, 1280009380, 1280009520, 1280009700, 2280000340, 2280001160, 2280007390, 2280007391, 2280007392 | **Toyota** 2810016270, 2810046100, 2810046120, 2810046140, 2810049090, 2810075050, 2810076060, 2810076070

99.0820.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**50.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (Diesel)

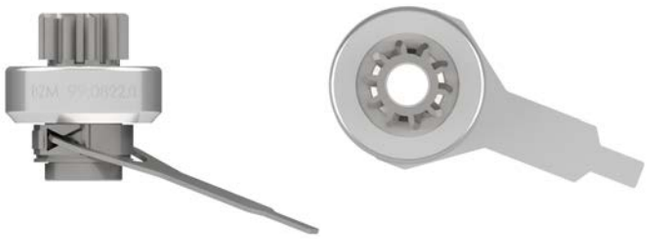
OEM *ORIGINAL*

Lucas 54291735, TMB182

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26903A, 26913A, 26921, 26925, 26929A/B, 26931A/B, 26935B

99.0822.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**56.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Austin Maestro (2.0) | **Rover** 111, 114, 214, 820, Maestro (1.3), Maestro (1.6), Maestro (2.0), Maestro (2.0 Turbo), Metro (1.0), Metro (1.1), Metro (1.3), Mini Cooper (1.3), Montego (2.0 Turbo)

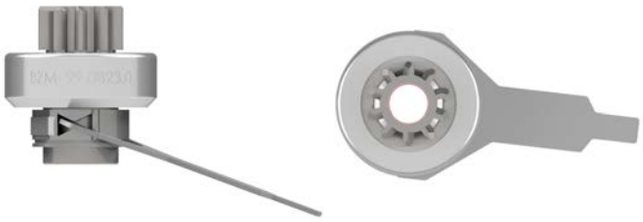
OEM *ORIGINAL*

Cargo 133296 | **Krauf** SDL3296 | **Lucas** 54292929, TMB174

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26702, 26702E, 26702K, 26717A, 26811A, 26812A, 26812D, M79

99.0823.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**48.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Mondeo (CLX 16v, 1995)

OEM *ORIGINAL*

Lucas Indiel 221167, 54291911, TMB167

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26600E/F, 26601E/F, 26605A, 26609F/J, 26613E/H, 26616A/B, 26619A/D, 26620A, 26621A/B, 26624A/D, 26626A/B, 26628, 26628A, 26654B/D, 26678B, 26679B, 26680B, 26681B, 26689, 26695, M79 | **Magneti Marelli** 63227004, 63227005, 63227006, 63227007, 63227008, 63227009, 63227010, 63227014, 63227016, 63227017, 63227028, 63227038

99.0824.1



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Contour, Courier (1.6, 2001), Escape (4 cil / cyl, 2001~2004), Escort, Fiesta, Ford Ka, Mercury Mystique (2.0L 4 cil / cyl, 1995~1996), Mondeo (CLX, 1997)

OEM *ORIGINAL*

Ford 53R211350A, F3RZ11350A, F5RU11350RA, SD353, XS6411350AA, XS6U11350AA | **Lucas Indiel** 223299

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 93BB11000HB, 93BB11000JB, 96BB11000AA, 97BB11000BB, 97BB11000BC, F3RZ11002A, F3RZ11002B

99.0825.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.63**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**18.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Jeep Cherokee

OEM *ORIGINAL*

Cargo 231895 | **Lester** 17461, 17559, 17561 | **Lucas Indiel** 220402 | **Mitsubishi** M001T742812C, M191T14371, M191T15271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 56041014 | **Mitsubishi** M001T74281ZC, M001T74287ZC, M001T79482

99.0826.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet D20 (Maxion) | **Perkins** Maxion

OEM *ORIGINAL*

Lucas Indiel 220206, 35260206

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258440

99.0830.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10(5)**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**53.50**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Feroza (4x4) | **Isuzu** Gemini (1.5), Gemini (1.6i), Gemini (Turbo), Impulse (1.6) | **Subaru** Justy II (1.3 GX), Justy II (4x4), Justy III (1.3), Justy III (1.5), Rex III (0.8), Vivio (660 4WD) | **Suzuki** Cabrio (1.0), LJ80 (0.8), SJ410 | **Toyota** 1000 (1.0), Corolla (1.2), Corolla (1.3), Corolla (1.3i), Corolla (12v), LiteAce (1.3), Starlet (1.0), Starlet (1.3), Starlet (Station Wagon 1.2), Yaris (1.0 16v), Yaris (1.3)

OEM *ORIGINAL*

Cargo 133805 | **Isuzu** 5811230340, 8944551730 | **Lester** 16879 | **Nippondenso** 0283005040, 0283005820, 0283008460 | **Nissan** 23312KA060 | **WAI** 548233

99.0831.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**79.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Datsun Especial / Special | **Nissan** Especial / Special | **Skoda** Favorit, Felicia (1.3), Forman, Kamyonet, Otomobil

OEM *ORIGINAL*

Pal 443937150171 | **Skoda** 115904030

99.0832.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**76.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Civic (1300 L4 1.3 Gasolina / Gasoline, 1987), Civic (1300 STD L4 1.3 Gasolina / Gasoline, 1984~1986), Civic (DX L4 1.3 Gasolina / Gasoline, 1984), Civic (DX L4 1.3 Gasolina / Gasoline, 1985), Civic (DX L4 1.3 Gasolina / Gasoline, 1986), Civic (DX L4 1.3 Gasolina / Gasoline, 1987), CRX (1300 L4 1.3 Gasolina / Gasoline, 1984), CRX (1500 HF L4 1.5 Gasolina / Gasoline, 1985~1989), CRX (1500 L4 1.5 Gasolina / Gasoline, 1984~1987), CRX (1500 SI L4 1.5 Gasolina / Gasoline, 1985~1987), CRX (DX L4 1.5 Gasolina / Gasoline, 1988~1990), CRX (HF L4 1.5 Gasolina / Gasoline, 1991) | **Rover** 213

OEM *ORIGINAL*

Hitachi 211415508 | **Honda** 31207PE0005 | **Isuzu** 5811230360 | **Lester** 16843, 18056, 18322

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 5811001921, 5811002150, S114385, S114387, S114396, S114396D, S114412 | **Honda** 31200PE0015 | **Isuzu** 5811001920, 5811002150

99.0833.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.50**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Astra (1.8), Astra (2.0), Astra (2.0 16v), Calibra (2.0), Calibra (2.0i), Calibra (2.0i 16v), Corsa, Suprema (2.0), Suprema (2.2), Suprema (3.0), Vectra (2.0 GLS MPFI), Vectra (2.0 GSI MPFI) | **Renault** Clio (1.2), Clio (1.4), Clio (1.6), Clio (1.8), Laguna (1.8), Laguna (2.0), Megane (2.0), R19 (1.8), R21, Scenic (2.0) | **Volvo** 440, 460, 480, S40, V40

OEM *ORIGINAL*

Valeo 186798, 187961, 187981, 594177, 594252, NE877

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA107, D6RA133, D6RA162, D6RA183, D6RA56, D6RA62, D6RA82, D6RA83

99.0836.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Saxo (1.4), Saxo (1.6), Xsara (1.4i), Xsara (1.6i) **|** **Peugeot** 106 (1.0i), 106 (1.1i), 106 (1.4i), 106 (1.6i), 206 (1.1i), 206 (1.4i), 206 (1.6i) **|** **Renault** Clio (1.1), Clio (1.2), Clio (1.4), Express, R19 (1.4), R21 (1.4)

OEM *ORIGINAL*

Cargo 135567 **|** **Lucas Indiel** 229988 **|** **Mitsubishi** M191T22471 **|** **Visnova** 597108

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T48381, M3T32985

99.0837.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Doblò, Palio (1.0 16v), Palio (1.0 8v), Palio (1.3 MPI 16v), Palio Fire, Palio Weekend (1.0 16v), Palio Weekend (1.0 8v), Palio Weekend (1.3 MPI 16v), Siena (1.0 MPI 16v), Siena (1.3 MPI 16v), Strada (1.0 8v), Strada (1.3 16v), Uno Mille Fire **|** **General Motors/Chevrolet** Celta (2001~2009), Corsa (1.0), Corsa (1.4), Corsa (1.6 EFI), Prisma (2007~2009), Tigra (1998~2000) **|** **Renault** Clio (1.6i, 07/1996→), R19 (1.6i, 07/1996→)

OEM *ORIGINAL*

Bosch 9001081022, F000AL1040, F000AL1238, F000AL1679, F000AL1680, F000AL1692 **|** **Cargo** 333937 **|** **General Motors/Chevrolet** 93240221 **|** **Lucas Indiel** 223126, TMB022

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081003, F000AL0304, F000AL0309, F000AL0310, F000AL0314

99.0838.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Ducato (Argentino / Argentine, 1997) | **Lombardini** LDA672, LDA673, LDW1503 | **MWM** Diter D302, Diter D325, Diter D889, Diter D890, Diter D900, Diter D989

OEM *ORIGINAL*

Bosch 9003336282 | **Cargo** 234403 | **Lucas Indiel** 223302 | **WAI** 5491150

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331418

99.0840.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.95**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

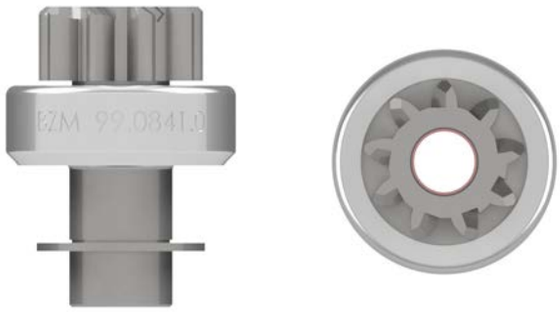
APLICAÇÃO *APPLICATION / APLICACIÓN*

Jaguar 420, 420G, MK X (4.2), V12 E-Type

OEM *ORIGINAL*

Iat 01408 | **Lucas** 54252015, 54259898, 60600331, TMB138 | **Woodauto** SDV3139

99.0841.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**53.50**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota 4K, 5K, Corolla (1.3), Hiace, LiteAce (1.5)

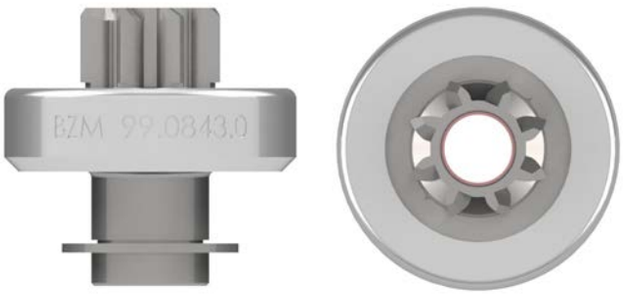
OEM *ORIGINAL*

Nippondenso 0283005400, 2801113060

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280007740, 185086440

99.0843.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**23.90**
IG Ø Interno do Dente	**15.70**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**44.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Celta (1.0), Corsa **| Renault** Clio (1.6), Clio (partida / start Valeo), Kangoo (1.6), Laguna (1.8), Laguna (2.0), Laguna Nevada (1.6), Megane (1.6), R11 (1.6), R12 (1.6), R19 (1.6), R9 (1.6), R9 (1.7), Scenic (1.6)

OEM *ORIGINAL*

Cargo 139477 **| Powermax** 1015203, 81015203 **| Valeo** 180205, 182848, 187788, 190205, 230205, 300305, 494829, 594345, NE971 **| Visnova** 364621 **| WAI** 549437 **| Woodauto** SDV32150

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 93264950, BD7E17, BD7R1, D7E15, D7E17, D7E18, D7E4, D7E6, D7E8

99.0844.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/41**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9566.0 / Uses 99.9566.0 BZM Pinion / Utiliza Piñion BZM 99.9566.0 | **Volkswagen** LT (TD) | **Volvo** 240 (D), 740 (TD), 760 (TD), 940 (TD)

OEM *ORIGINAL*

Cargo 133437 | **Hitachi** 213035004 | **Lester** 17138 | **Volvo** 1367094 | **WAI** 548141

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1391

99.0846.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo, Xantia | **Fiat** Palio (1.0 MPI 8v), Palio (Argentino / Argentine 1.6), Palio Weekend (1.0), Palio Weekend (1.5), Siena (1.0), Siena (1.5), Stilo (JTD 1.9), Strada (1.5), Uno Mille Eletronic, Uno SX (1996) | **Peugeot** 205, 306, 405, 406

OEM *ORIGINAL*

Bosch 9001081066, F000AL1023 | **Fiat** 7078098 | **Hyundai** 391372B040 | **Kia** 391372B040 | **Lucas** TMB066 | **Lucas Indiel** 223127 | **Visnova** 524262

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081009, F000AL0300, F000AL0305, F010AL0301

99.0850.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.62**
G Ø Externo do Dente	**36.20**
IG Ø Interno do Dente	**22.55**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hitachi Escavadeira / Excavator / Excavadora EX100-2 (Isuzu 4BD1, 1988~1994), Escavadeira / Excavator / Excavadora EX100M-2 (Isuzu 4BD1, 1988~1996)

OEM *ORIGINAL*

Delco Remy 0215002001 | **Lester** 18193

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479626

99.0851.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**86.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen LT 28, LT 31, LT 35, LT 40, TL (2.4 Diesel)

OEM *ORIGINAL*

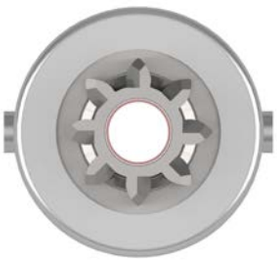
Bosch 9002336204 | **Cargo** 135116, 135116Z, 333502 | **Lucas** TMB475 | **Magneti Marelli** 940113020274 | **Stemot** 19204 | **Visnova** 424297 | **Volkswagen** 02B911335

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218116

99.0852.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**17.00**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**52.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Neon, Stratus

OEM *ORIGINAL*

Bosch 1006209613 | **Cargo** 138233 | **Lester** 17560, 17563 | **Lucas Indiel** 223960 | **Magneti Marelli** 940113020275 | **Stemot** 11613 | **Visnova** 524260

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107049

99.0853.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**-**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**70.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan 310 (L4 1.4L 1393cc 85cid, 1979~1980), 310 (L4 1.5L 1488cc, 1981), A12, A15, Empilhadeira / Forklift / Apiladora, F10 (L4 1.4L 1393cc 85cid, 1976~1978)

OEM *ORIGINAL*

Cargo 135572 | **Lester** 16579 | **Mitsubishi** M191T22571 | **Nissan** 23354T5000 | **WAI** 548329

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T20181, M2T20181D | **Nissan** 23300H5014

99.0854.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**11.16**
G Ø Externo do Dente	**24.70**
IG Ø Interno do Dente	**16.10**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Towner (Motor Daewoo) **| Renault** Twingo

OEM *ORIGINAL*

Delco Remy 10475958 **| Lucas** TMB008

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10455505

99.0855.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Palio (1.6 16v), Palio Weekend (1.6 16v), Siena, Tempra (2.0 8v), Tempra (2.0 MPI 16v), Tempra (2.0 SPI 8v), Tempra (2.0 Turbo MPI 8v), Uno

OEM *ORIGINAL*

Bosch 9001081042, F000AL1693 **| Lucas** TMB042 **| Lucas Indiel** 223305

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081005, 9000081008, 9000084005, F000AL0100

99.0856.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**72.50**

99.0857.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Regata (1.7 Diesel), Ritmo (Diesel) | **Mercedes-Benz** 190, 190E, 200, 230, 250, 280, L410, O 309 | **Peugeot** 305 (Diesel) | **Talbot** Horizon (Diesel) | **Volkswagen** LT 28, LT 31, LT 35, LT 40, LT 45, LT 50

OEM *ORIGINAL*

Bosch 1006209469, 1006209470, 1006209473 | **Cargo** 131101, 333519 | **Fiat** 9936671 | **Lester** 16543, 16954, 17043 | **Mercedes-Benz** 0001518713, 0001519013 | **Volkswagen** 073911335 | **Volvo** 1367374 | **WAI** 549147

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001211146, 0001314026, 0001314027, 0001314028, 0001314029, 0001314030, 0001314033, 0001314034, 0001314035, 0001314036, 0001314037, 0001314038, 0001316004 | **Fiat** 4392461, 5997307, 5997309

99.0858.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.70**
IS Ø Interno da Estria	**19.20**
L Comprimento	**98.00**

Similar ao 99.0624.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Especial / Special **| Ford** F9000, LN9000 **| General Motors/Chevrolet** Especial / Special **| John Deere** Especial / Special **| Mercedes-Benz** 1625, 1630, 1825, 1935, 1941, 2325, O355 (OM 355 / 6), O364 (OM 355 / 5), O364 (OM 355 / 6), O365 (OM 355 / 5), O370, O370 (OM 355 / 5), O370 (OM 355 / 6), O370 (OM 355 / 6 A), O370 (OM 355 / 6 LA), O371, O371 (OM 355 / 5 A), O371 (OM 355 / 6 A), O371 (OM 355 / 6 LA), O371UP, O371UP (OM 355 / 5), O400R, O400RS, O400RSD, O400RSL (OM 449 A), OM 3555, OM 3556, OM 3556 A, OM 3556 LA **| TCM Equipment Ag** Serie 37MT (12v Ford), Serie 37MT (12v Mercedes-Benz), Serie 37MT (12v Volkswagen), Serie 37MT (24v Ford), Serie 37MT (24v Mercedes-Benz), Serie 37MT (24v Volkswagen) **| Volkswagen** Caminhão / Truck / Camión P100501 (Cummins Serie C 12 / 24v 12D), Caminhão / Truck / Camión P100502 (Cummins Serie C 12 / 24v 12D)

OEM *ORIGINAL*

Bosch 1987BE0019 **| Cargo** 131481 **| Delco Remy** 1985262, 1987211 **| Facet** 10624, 10640 **| Lucas Indiel** 220400 **| WAI** 541321S, 541324

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10461007, 10461008, 10461010, 10461013, 10461016, 10461018, 10478805, 10478811, 10478825, 10478826, 10478927, 10478949, 10478960, 10479014, 10479034, 10479196, 10479302, 1990310, 1990313, 1990315, 1990316, 1990317, 1990319, 1990320, 1990321, 1990327, 1990330, 1990331, 1990332, 1990336, 1990498, 1990707, 1993669, 1993709, 1993713, 1993719, 1993728, 1993729, 1993732, 1993742, 1993745, 1993746, 1993755, 1993763, 1993764, 1993768, 1993770, 1993778, 1993791, 1993794, 1993831, 1993832, 1993851, 1993853, 1993861, 1993865, 1993869, 1993871, 1993873, 1993874, 1993878, 1993881, 1993883, 1993885, 1993887, 1993891, 1993898, 1993901, 1993902, 1993909, 1993910, 1993911, 1993918, 1993920, 1993926, 1993928, 1993931, 1993953, 1993958, 1993964, 1993965, 1993966, 1993974, 1993992, 1993997, 323841, 323842, 323843, 323844, 323847, 323850, 323852

99.0860.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**73.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Parati, Pointer (1.8), Pointer (2.0), Polo Classic (2.0)

OEM *ORIGINAL*

Lucas Indiel 228396, 35258396

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258270, 35258640, 35259060

99.0861.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.80**
IG Ø Interno do Dente	**24.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F100, F1000 (Maxion TN1 HSD Diesel, 1997), F150, Ranger, Transit **| General Motors/Chevrolet** Blazer (2.5 Diesel), S10 (Diesel) **| Land Rover** Defender (2.5 Diesel Gemini TCI D.I. 23L), Defender (2.5 Turbo, 1990~2001), Discovery (2.5 TDI 12L, 1989~1994), Discovery (2.5 TDI 16L, 1993~1998), Discovery (2.5 TDI 21L, 1989~1994), Maxion H54TCC (Diesel, 1998→), Range Rover I (2.5 300 TDI Classic, 1994~1996), Range Rover I (2.5 TDI Classic 14L, 1992~1994) **| Mercedes-Benz** Sprinter **| Perkins** Maxion (HSD-Maxion High Speed)

OEM *ORIGINAL*

Bosch 6033AD2012, 9002336226, 9002336227, 9003336227, F000AL1872 **| Cargo** 136743 **| Lucas Indiel** 223965 **| Mercedes-Benz** 0011511613 **| WAI** 5491151

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218168, 9000331432, 9000331433

99.0863.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**48.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Primera (1.6)

OEM *ORIGINAL*

Cargo 135711 **| Krauf** SDL5711 **| Lucas** 54292464, TMB196 **| Magneti Marelli** 85541303, 85541503 **| Nissan** 2331290J100 **| Woodauto** SDV31043

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26667, 27022, 27047 **| Magneti Marelli** 63227022, 63227043, 63227046, 63227047, 63227051, 63227577 **| Nissan** 2330070J00

99.0866.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol (1.6 D), Gol G2 (1.8 Mi), Gol G2 (2.0 Mi), Gol G2 (2.0i), Gol G3, Parati, Quantum (1.8 Mi), Quantum (2.0 Câmbio Automático / Automatic Gear / Cambio Automático), Quantum (2.0 Mi), Quantum (Mi 1.8 Câmbio Automático / Automatic Gear / Cambio Automático), Santana (Mi, 1996), Saveiro

OEM *ORIGINAL*

Bosch 9001081052, F000AL1705, F000AL1707 | **Lucas** TMB052 | **Lucas Indiel** 223128 | **Volkswagen** 377911335, BF5A11350A | **WAI** 5491109

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081006, 9000081007, F010AL0103

99.0868.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.20**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.70**
IS Ø Interno da Estria	**16.20**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504 (XT2 Diesel), 505 (XT2 Diesel)

OEM *ORIGINAL*

Bosch 1987BE0054 | **Lucas Indiel** 227824, 35257824

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35257700

99.0871.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 323 (1.3), 323 (1.5 8T) **| Suzuki** Jimny (1.3), Samurai (1.3), Vitara (1.6) **| Toyota** 1300

OEM *ORIGINAL*

Bosch 9001336240, 9001690057, 9001690067, F000AL1440, F000AL1697 **| Cargo** 135985 **| Suzuki** 3132085C00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001112032, 9000333121

99.0871.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

Igual ao BZM 99.0871.0 com componentes diferentes na parte de trás/Same as 99.0871.0 BZM with different components behind/Igual que BZM 99.0871.0 con diferentes componentes detrás

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 323 (1.3), 323 (1.5 8T) **| Suzuki** Jimny (1.3), Samurai (1.3), Vitara (1.6) **| Toyota** 1300

OEM *ORIGINAL*

Bosch 9001336240, 9001690057, 9001690067, F000AL1440, F000AL1697 **| Cargo** 135985 **| Suzuki** 3132085C00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001112032, 9000333121

99.0871.2





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

Igual ao BZM 99.0871.0 com componentes diferentes na parte de trás/Same as 99.0871.0 BZM with different components behind/Igual que BZM 99.0871.0 con diferentes componentes detrás

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 323 (1.3), 323 (1.5 8T) **| Suzuki** Jimny (1.3), Samurai (1.3), Vitara (1.6) **| Toyota** 1300

OEM *ORIGINAL*

Bosch 9001336240, 9001690057, 9001690067, F000AL1440, F000AL1697 **| Cargo** 135985 **| Suzuki** 3132085C00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001112032, 9000333121

99.0871.3





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

99.0874.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 2000 LDV, 323 (1.4), B1600, B2200 **| Toyota** Corolla (1.3), Corolla (1.6 8T)

OEM *ORIGINAL*

Bosch 9001692097 **| Visnova** 424213

99.0875.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 14AR 6 (Turbo) **| Citroën** Jumper (2.8 TD) **| Fiat** Argenta (2.5), Croma (2.5 Turbo) **| Fiat Iveco** Daily (Turbo 09.09 Diesel), Daily (Turbo 35.10 Diesel), Daily (Turbo 49.10 Diesel), Ducato (14), Ducato (14 4x4), Ducato (18), Ducato (18 Maxi) **| Lancia** Thema (Turbo Diesel) **| Land Rover** Defender (2.5 D), Defender (TD), Discovery (2.5 TDI), Range Rover (2.5 TDI) **| Renault** Master (Diesel), Master (P35 Diesel), Master (T35 Diesel), Trafic (Diesel)

OEM *ORIGINAL*

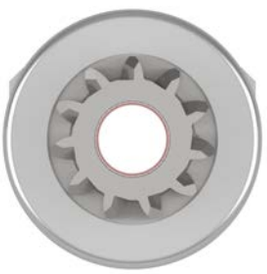
Bosch 9002336218, 9002336283, 9003336283, 9009996289, F000AL1881 **| Cargo** 131996, 135527, 137171, 333514 **| Fiat** 9939710 **| Iveco** 42531397 **| Lucas Indiel** 223976 **| Renault** 7701033047, 7701033287 **| WAI** 5491133

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001217174, 0001218014, 0001218019, 0001218024, 0001218101, 0001218102, 0001218103, 0001218152, 0001218159, 0001218174, 0001218774 **| Iveco** 99451753

99.0878.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**52.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Croma (2.0), Panda (D), Tempra (1.8, 4x4), Tempra (2.0, 4x4), Tempra SW, Tipo (1.6), Tipo (1.8), Tipo (2.0), Uno (D) **| Lancia** Dedra (1.8), Dedra (2.0), Delta (1.8), Delta (2.0), K (2.0, 20v), K (2.4, 20v), Thema (2.0) **| Lombardini** LDW 1204, LDW 502, LDW 602, LDW 903

OEM *ORIGINAL*

Cargo 134364 **| Fiat** 9941846 **| Magneti Marelli** 85540321, 85541040 **| Visnova** 214107

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63223430, 63223431, 63223432, 63223436, 63223530, 63223531, 63223532

99.0879.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**49.70**
IG Ø Interno do Dente	**37.60**
ID Ø da Bucha	**19.15**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**117.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

TCM Equipment Ag Serie 40MT, Serie 42MT (12v), Serie 42MT (24v), Serie 50MT (12v), Serie 50MT (24v)

OEM *ORIGINAL*

Cargo 136109, 231455 | **Case** R15156 | **Leece-Neville** 13539, 71158, M029013539, MO29013539, MO29071158 | **Lester** 3052, 3054, 3065, 3789, 3796, 6219, 6220 | **Lucas Indiel** 223979 | **Prestolite** 59225, PD13A | **Remy** 1932603, 1985131

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1113350, 1113369, 1113374, 1113801, 1113804, 1113811, 1113817 | **Leece-Neville** 7282M, 7408MA, 8282M | **Prestolite** MES6403JUT

99.0887.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**20.90**
IS Ø Interno da Estria	**18.50**
L Comprimento	**109.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12660.0 / Uses 99.12660.0 BZM Pinion / Utiliza Piñion BZM 99.12660.0 | **Caterpillar** 320B (24v Mitsubishi) | **Ford** Pick-Up (7.3 TD), Van (7.3 TD) | **Mitsubishi** Canter

OEM *ORIGINAL*

Cargo 139819, 231371 | **Mitsubishi** M191X67571, M191X67585, M191X67685, M191X67771, M191X67871, M191X67885, M191X68271, M191X68671, M191X93571, M357X67871, ME701487, ME701648, ME701651 | **WAI** 5483415

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T80772, M3T57575, M8T50071, M8T50171, M8T50271, M8T50471, M8T55171, M8T55471, M8T60073, M8T60371, M8T60372, M8T60373, M8T60374, M8T60389, M8T60471, M8T60489, M8T60571, M8T60771, M8T60773, M8T60871, M8T70371, M8T70971, M8T71571, M8T75171, M8T77071, M8T77072, M8T77074, M8T77075, M8T80071, M8T80071A, M8T80071B, M8T80171, M8T80371, M8T80372, M8T80373, M8T80374, M8T80772, M8T80789, M8T85071, M8T85071A, M8T85071B, M8T85171, M8T85171A, M8T85271, M8T85271B, M8T85471, M8T85571, M8T87071, M8T87171, ME012994, ME012995, ME013008, ME014418

99.0888.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.70**
G Ø Externo do Dente	**42.00**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**59.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**22.70**
IS Ø Interno da Estria	**19.20**
L Comprimento	**98.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

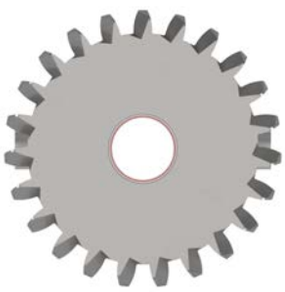
Agco Trator / Tractor 9170 (6-584 Deutz, Diesel, 1991~1993), Trator / Tractor 9190 (6-584 Deutz, Diesel, 1991~1993), Trator / Tractor 9670 (6-584 Deutz, Diesel, 1994~1996), Trator / Tractor 9690 (6-584 Deutz, Diesel, 1994~1995) | **Deutz** Trator / Tractor 9170 (6-584, Diesel, 1989~1992), Trator / Tractor 9190 (9-584, Diesel, 1989~1992)

OEM *ORIGINAL*

Delco Remy 10497496 | **Lester** 6288, 6388

99.0890.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**23**
2T Dois Dentes	**10.15**
G Ø Externo do Dente	**54.40**
IG Ø Interno do Dente	**45.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier, Fiesta, Ka

OEM *ORIGINAL*

Facet 10671 | **Ford** F8BU11350AA | **Lucas** TMM990 | **Lucas Indiel** 222514 | **Volkswagen** 10671

99.0892.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/44**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**25.85/44.80**
IG Ø Interno do Dente	**16.95/40.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**13.20**
IS Ø Interno da Estria	**11.70**
L Comprimento	**78.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lada 2110 | **Skoda** Felicia

OEM *ORIGINAL*

Cargo 136267 | **Magneton** 443115141310, 443937150860, 444967150860, 7150860, 7152860, 7152960, 7153860 | **Skoda** 047911335, 1722

99.0893.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**31.70**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora CGP25 (Motor adaptado / Adapted motor)

99.0894.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**27.60**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**84.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

TCM Equipment Lift Truck FD100Z (6BD1 Motor 0000), FD35Z (6BB1 Motor 0000), FD35Z5 (Isuzu D500 0000), FD38Z (6BB1 Motor 0000), FD38Z (Isuzu D500 0000), FD40Z (6BB1 Motor 0000), FD40Z2 (Isuzu D500 0000), FD45Z (6BB1 Motor 0000), FD50Z (6BB1 Motor 0000), FD50Z6 (Isuzu D500 0000), FD60Z (6BB1 Motor 0000), FD60Z5 (Isuzu

D500 0000), FD70Z (6BB1 Motor 0000), FD70Z2 (Isuzu D500 0000), FD80Z7 (6BD1 Motor 0000)

OEM *ORIGINAL*

Cargo 135542 | **Isuzu** 5811220160 | **Lester** 18100, 18191 | **Nikko** 0230001030, 0230001031, 0230001050, 0230001070, 0230001071, 0230001080, 0235000590, 1235000010 | **Nissan** 2336599000 | **WAI** 548412

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Isuzu 1811001890, 1811001891, 1811001900, 1811001910, 1811001920, 1811001970, 1811001971, 1811002061, 1811002530, 1811002531, 1811002590, 1811002890, 5811001742 | **Mitsui Deutz** 4413040, 4413390

99.0895.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**13.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**71.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Komatsu PC75U (Motor 4D95, 1991~1994), PC80 (Motor 4D95, 1988~1997), PC90 (Motor 4D95, 1991~1994)

OEM *ORIGINAL*

Lester 18086, 18101, 18103 | **Nikko** 0235000350, 0235000353

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Isuzu 8942554392, 8943634280, 8944467700 | **Komatsu** 6008133111, 6008133121, 6008133122, 6008133130, 6008133170, 6008133171, 6008134000, 6008134190, 6008134380, 6008134410, 6008134411, 6008314411 | **Nikko** 230000031, 230000032, 230000042, 230000060, 230000063, 230000240, 230000332, 230000450

99.0896.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 206, 405

OEM *ORIGINAL*

Form Metal 71192 | **Iskra** 170703, 525

99.0898.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**15.65**
G Ø Externo do Dente	**43.10**
IG Ø Interno do Dente	**31.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.00**
L Comprimento	**40.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Harley Davidson Disc Glide FXDG (1983), Disc Glide FXRDG (1994), Electra Glide Classic FLHC (1979~1991), Electra Glide Classic FLHTC (1983~1988), Electra Glide FLH (1965~1985), Electra Glide FLH 1200 (1979~1980), Electra Glide FLH 80 (1979~1980), Electra Glide FLHS (1977~1981), Electra Glide FLHT (1983~1987), Electra Glide Special FLHX (1984~1985), Electra Glide Sport FLHS (1982~1984), Electra Glide Sport FLHS (1987~1988), Electra Glide Super Sport FLHFB (1965), Fat Bob FXEF (1980~1981), Fat Bob FXEF 1200 (1979), Fat Bob FXEF 80 (1979), Glide Heritage FLH (1981), Harley Davidson FL (1965~1981), Harley Davidson FLH (1965), Harley Davidson FS (1965~1983), Heritage Softail Classic FLSTC (1987~1988), Heritage Softail FLST (1986~1988), Low Glide Custom FXRC (1985), Low Glide FXRS (1984~1985), Low Glide FXRS (1985)

OEM *ORIGINAL*

Cargo 230763 | **Facet** 10036, 480105, 480183 | **Harley Davidson** 3144365, 3144365A | **WAI** 541691, 547000

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Harley Davidson 3145564, 3145564A

99.0900.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**79.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Galaxy (2.8) | **Volkswagen** Corrado (1.8 16v G60), Corrado (2.9), Golf (1.8), Golf III (2.9 Syncro), Passat (1.6), Passat (1.8), Passat (2.0), Passat (2.9 Syncro), Sharan (2.8), Transporter (1.8), Transporter (2.0), Variant (2.9 Syncro), Vento (2.8)

OEM *ORIGINAL*

Bosch 1006209295, 1006209553, 1006209558, 1006209565, 1006209583, 1006209591, 1006209594, 1006209910, 1006209911, 1006209922, 2006209594 | **Lester** 17223, 17417 | **Lucas Indiel** 224000 | **Volkswagen** 0219113355

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107005, 0001107006, 0001108059, 0001108060, 0001108076, 0001108077, 0001108096, 0001108097, 0001110069, 0001110070, 0001110086, 0001110087, 0001110118, 0001110119, 0001112010, 0001112011, 0001114009, 0001114010

99.0901.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	**16.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.30**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Cabstar (3.3 Diesel), ED33, Empilhadeira / Forklift / Apiladora (Diesel), FD6

OEM *ORIGINAL*

Bosch 1987BE0055 | **Cargo** 133058 | **Hitachi** 225025003, 225025004, 225045004, 225085005, 225095001, 22708500 | **Isuzu** 1811230080 | **Nissan** 2313399210, 23312T9000, 23312T9003, 23314Z9001, 23314Z9002, 23314Z9003 | **WAI** 548130 | **Yanmar** X225025004

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S25110G, S25110L, S25125A, S25125B, S25156, S25158A, S25158B, S25160, S25162 | **Nissan** 2330006J02, 2330006J04, 23300C8601, 23300Z5505, 23300Z5509, 23300Z5512

99.0902.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Zetor Trator / Tractor 10011, Trator / Tractor 10045, Trator / Tractor 10111, Trator / Tractor 10145, Trator / Tractor 10520, Trator / Tractor 10540, Trator / Tractor 3011, Trator / Tractor 3320, Trator / Tractor 3321, Trator / Tractor 3340, Trator / Tractor 3341, Trator / Tractor 4320, Trator / Tractor 4321, Trator / Tractor 4340, Trator / Tractor 4341, Trator / Tractor 4712, Trator / Tractor 5211, Trator / Tractor 5245, Trator / Tractor 5320, Trator / Tractor 5321, Trator /

Tractor 5340, Trator / Tractor 5341, Trator / Tractor 6211, Trator / Tractor 6245, Trator / Tractor 6320, Trator / Tractor 6321, Trator / Tractor 6340, Trator / Tractor 6341, Trator / Tractor 7211, Trator / Tractor 7245, Trator / Tractor 7320, Trator / Tractor 7321, Trator / Tractor 7340, Trator / Tractor 7341, Trator / Tractor 7711, Trator / Tractor 7745, Trator / Tractor 8011, Trator / Tractor 8045, Trator / Tractor 8111, Trator / Tractor 8145, Trator / Tractor 8520, Trator / Tractor 8540, Trator / Tractor 9520, Trator / Tractor 9540

OEM *ORIGINAL*

Cargo 130729 | **Pal** 443930154210, 443930154211, 8014250, 8014251, 932208

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Pal 2928, 443115141310, 976117

99.0905.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**77.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

JEEP Jeep Cherokee

OEM *ORIGINAL*

Bosch 1987BE0022

99.0906.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.30**
L Comprimento	**73.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora | **Daewoo** Empilhadeira / Forklift / Apiladora (Partida / Start Delco)

OEM *ORIGINAL*

Lucas Indiel 224006

99.0907.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford C Max (1.8 TDCI), Focus (1.8 TDCI), Galaxy (1.8 TDCI), Mondeo (1.8 TDCI), S Max (1.8 TDCI), Transit, Transit (2.5 D) | **Mercury** Tracer (1.8)

OEM *ORIGINAL*

Cargo 139341 | **Delco Remy** 106688, 10670F7RU, F7RU10670, F7RUK614 | **Ford** 106688, 10670F7RU, F7RU10670, F7RUK614 | **WAI** 542251 | **Woodauto** SDV38125

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 97VB11000AB, 98VB11000, 98VB11000B3A

99.0908.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**48.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier | **Mazda** 323, 626 SL, SLX

OEM *ORIGINAL*

Lucas 66241583

99.0910.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**14.85**
G Ø Externo do Dente	**32.40**
IG Ø Interno do Dente	**21.45**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Master

OEM *ORIGINAL*

Magneti Marelli 72139004

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63216815, 63216851, 63217403, MT68Q, MT68QA

99.0914.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**-**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**15.95**
CW-CCW Sentido	**CCW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**120.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case 9250, 9260, 9270, 9280, 9350, 9370, 9380 | **FORD (USA)** 9280, 9480, 9680, 9880 | **John Deere** 850, 855 | **Massey Ferguson** MF 8570 | **New Holland** 9280, 9282, 9480, 9680, 9682, 9880, 9882 | **TCM Equipment Ag** Serie 42MT (12v), Serie 42MT (24v), Serie 50MT (12v), Serie 50MT (24v)

OEM *ORIGINAL*

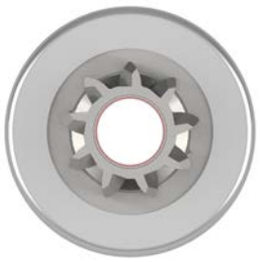
ACE 3463, 4463 | **Cargo** 231970 | **Caterpillar** 2N7273, 3N3152, 3T5340 | **Delco Remy** 1893561, 1894218, 1894219, 1953151, 1953561, 1971277, 1977011, 800074 | **Facet** 480414 | **IHC** 474554C1 | **Lester** 3050, 3364, 3370, 3932, 6234, 6247, 6248, 6255, 6258, 6518, 6528, 6529, 6550, 6626, 6627, 6650 | **Navistar** 474554C1 | **WAI** 54117

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1113477, 1114155, 1114177, 1114716, 1114948, 1990486, 1993774, 1993784, 1993801, 1993826

99.0915.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Grand Blazer (4.1), Silverado (6 cil / cyl Gasolina / Gasoline 12v) **|** **Peugeot** 205 (XU7 4 cil / cyl 1.6), 205 (XUD9 4 cil / cyl 1.9 Diesel), 306 (XU7 4cil / cyl 1.6), 306 (XUD9 4 cil / cyl 1.9 Diesel), 405 (SRI), 405 (XU7 4 cil / cyl 1.6), 405 (XUD9 4 cil / cyl 1.9 Diesel), Boxer (XUD9 4 cil / cyl 1.9 Diesel), Partner (XU7 4 cil / cyl 1.6)

OEM *ORIGINAL*

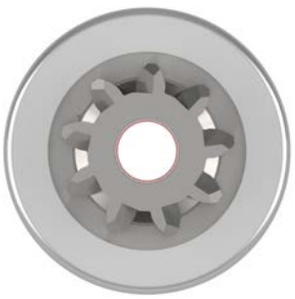
Lucas Indiel 220198, 35260198, 35260202

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258370, 35258430, 35258730

99.0916.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**24.82**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Maxion HSD, 1997), Ranger International (3.0 Diesel), Ranger International (Maxion HS 4 cil / cyl 2.5 Diesel), Ranger International (Maxion HS 4 cil / cyl 2.8 Diesel) **|** **General Motors/Chevrolet** Blazer, S10 (Maxion HSD) **|** **Mercedes-Benz** Sprinter (Maxion HS) **|** **Perkins** Especial / Special (Maxion HSD)

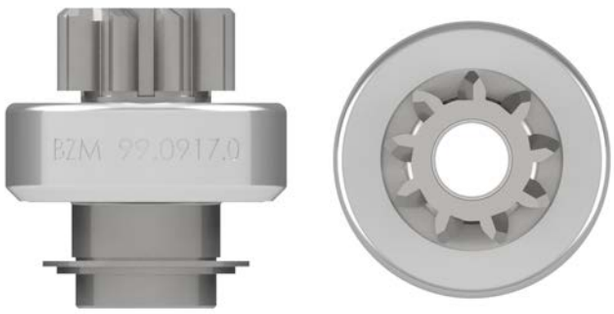
OEM *ORIGINAL*

Bosch F000AL1684 **|** **Lucas Indiel** 35260280, 35262227

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259170 **|** **Prestolite** 35261860

99.0917.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**48.00**

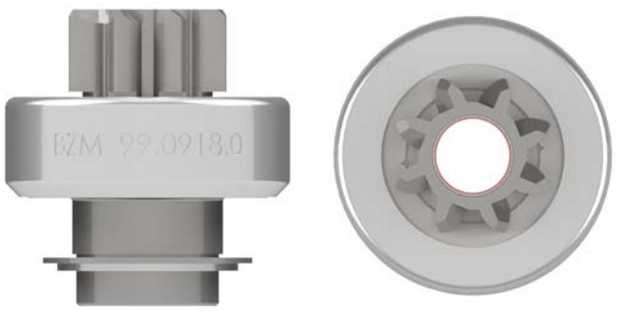
APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu Especial / Special | **Nissan** Especial / Special

OEM *ORIGINAL*

Lucas 66241474

99.0918.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**27.60**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**48.00**

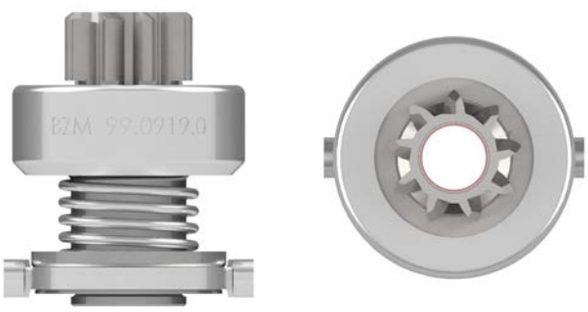
APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Conquest, Corolla

OEM *ORIGINAL*

Lucas 66241709

99.0919.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Omega (Australiano / Australian) (3.8 V6)

OEM *ORIGINAL*

Bosch 9000061009, 9001066255, F000AL1684

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F005M00012, F005M00014

99.0920.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**41.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**15.95/20.65**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**118.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 1831, 1831 AK, 1831L, 1835, 1835 AK, 1835L, 1840, 1840 AK, 1840L, 1843, 1843 AK, 1843 L, 1848, 1848 AK, 1848L, 1853, 1853L, 1857L, 1922, 1928, 1928L, 1933, 1933L, 1936, 1938, 2031, 2031A, 2033LS, 2035A, 2036LS, 2040, 2040A, 2053, 2531, 2531L, 2535L, 2536A, 2540, 2540L, 2543, 2543L, 2548, 2548L, 2553, 2553L, 2557L, 2631, 2631L, 2635, 2635L, 2636A, 2638S, 2640, 2640L, 2643, 2643L, 2648, 2648L, 2653, 2653L, 2657, 2657L, 3231, 3235, 3240, 3243, 3331, 3331A, 3335, 3340, 3340A, 3343, 3343A, 3348, 3348A, 3353, 3357, 4140, 4140A, 4143, 4143A, 4148, Actros 1831, Actros 1835, Actros 1840, Actros 1843, Actros 1848, Actros 2031, Actros 2035, Actros 2040, Actros 2043, Actros 2048, Actros 2531, Actros 2535, Actros 2540, Actros 2543, Actros 2548, Actros 2631, Actros 2635, Actros 2640, Actros 2643, Actros 2648, OM447, OM449A | **Scania** 11.56A (DSC), 11.57A (DSC), 11.58A (DSC), 11.71A (DSI), 11.72A (DSI), 11.74M (DSI), 11.75M (DSI), 11.76M (DSI), 11.77M (DSI), 11.78M (DSI), 14.57A (DSC), 14.61A (DSC), 14.62A (DSC), 14.63A (DSC), 14.73M (1997→), K 124, P 114 / 340, P 124, P 124 / 360, P 124 / 400, P 124 / 420, R 114 / 340, R 124 / 360, R 124 / 400, R 124 / 420, R 144 / 360, R 144 / 460 (DSC 14.15), R 144 / 530, R 144 / 530 (DSC 14.13, 1996~2001), R 164 / 480 (DC 16.02, 2000→), R 164 / 580, R 164 / 580 (DC 16.01, 2000→), Serie 11.79M (1997→), Serie 114, Serie 14.68M (1997→), Serie 14.69M (1997→), Serie 14.72A (1997→), Serie 14.74M (1997→), Serie 14.75M (1997→), Serie 14.77A (1997→), Serie 14.78M (1997→), T 144 / 360, T 144 / 460 (DSC 14.15, 1997~2001), T 144 / 530, T 144 / 530 (DSC 14.13, 1997~2001)

OEM *ORIGINAL*

Bosch 2006202010, 2006202011, 2008109203, F000AL1898 | **Cargo** 138308 | **DAF** 1337448 | **Delco Remy** 19070179 | **Mercedes-Benz** 0001501031 | **WAI** 5491128

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001370003, 0001371004, 0001371005, 0001371006, 0001371007, 0001371008, 0001371009, 0001371010, 0001371013, 0001371015, 0001372001, 0001372002, 0001372003, 0001372004, 0001372005, 0001372006, 0001372007, 0001372008 | **DAF** 125721, 1257212R, 1284775, 1317220, 1318615, 1357210, 1357212, 1357213, 1516656R | **Lester** 19778, 19779, 19780, 30107, 30108, 30110, 30111, 30112, 30113, 30114 | **Mercedes-Benz** 0041515001, 0041518801, 0041519401, 0051515001, 0051515201, 0051515401, 0051516401, 4571510301 | **Valeo** 458200, 568269, 568272, 575732, 575737, 575738, 585420, 600239

99.0921.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11/40**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**40.00/53.60**
IG Ø Interno do Dente	**26.90/48.10**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux (2.8 Diesel), L (2L), Land Cruiser (2.8 Diesel) **| Volkswagen** Taro

OEM *ORIGINAL*

Cargo 137293 **| Nippondenso** 0280992700, 2810054310 **| Toyota** 2801154070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280000360, 1280000362, 1280001880, 1280007353, 1280008140, 1280008142, 1280008150, 1280008152, 1280009591, 1280009592, 2280000400, 2280000640, 2280001300, 280007370, 280007373, 280008760, 280008761, 280008762 **| Toyota** 2810054100, 2810054170

99.0924.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**-**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

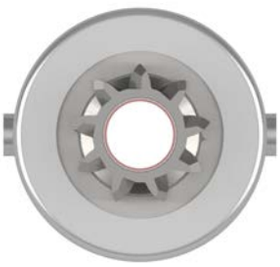
Delco Remy Delco (10MT), Delco (8MT), SD300 Series DD

OEM *ORIGINAL*

Delco Remy 1896767 **| Facet** 10580

99.0925.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A4, A6 **|** **Fiat** Palio, Siena (Diesel), Strada (1.7 TDS) **|** **Mahindra** Pick Up **|** **Mercedes-Benz** E 190 (2.3) **|** **Renault** Safrane (2.0), Safrane (2.5) **|** **Volkswagen** Gol G2 (2.0 MI), Gol G3 (1.6 MI), Gol G3 (1.8 MI), Gol G3 (2.0 MI), Gol GTI (16v), Passat Alemão

OEM *ORIGINAL*

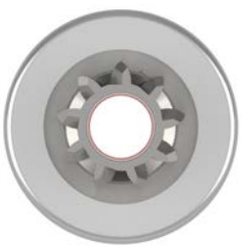
Bosch 1006209618, 1006209638, 1006209672, 1006209677, 1006209690 **|** **Fiat** 9947831 **|** **Lucas Indiel** 222503

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107037, 0001107048, 0001107054, 0001107067, 0001107068, 0001107069, 0001107070, 0001107072, 0001107073, 0001107074, 0001107076, 0001108162, 0001108166, 0001108167, 0001108172, 0001108173, 0001108174, 0001108175, 0001109018, 0001115002, 0001115007, F002G20524

99.0926.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**15.80**
IS Ø Interno da Estria	**13.60**
L Comprimento	**56.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën BX16 **|** **Peugeot** 205 (1.6), 305 (1.6), 306, 405 (1.4), 405 (1.6), 405 (1.9i) **|** **Renault** Renault 11, Renault 4 (F6), Renault 5 (Alpine Turbo), Renault 5 (GTL), Renault 5 (LS), Renault 5 (TL), Renault 9, Trafic (1.4)

OEM *ORIGINAL*

Iskra 16900392, 16900408, 16900541, 16900902, 16901392, 16901408, 922H6

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130193, 11130224, 11130244, 11130291, 11130338, 11130346, 11130378, 11130392, 11130395, 11130418, AZF3509, AZF3513, AZF3515, AZF3517, AZF3524, AZF3528, AZF3531, AZF3545, AZF3547, AZF3549, AZF3559

99.0929.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**35.80**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD BF4L1011, F2L1011, F3L1011, F4L1011 | **Magirus-Deutz** Trator / Tractor

OEM *ORIGINAL*

Bosch 9002336230 | **Cargo** 137275 | **KHD** 1319429, 1319754 | **Lester** 18230 | **WAI** 549192

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218172, 0001218772

99.0930.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**19.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**118.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

TCM Equipment Ag Serie 42MT (12v), Serie 42MT (24v), Serie 50MT (12v), Serie 50MT (24v)

OEM *ORIGINAL*

Caterpillar 4N9569 | **Facet** 480412 | **Ingersoll Rand** 101BMP2992 | **Leece-Neville** 76308, MO29076308 | **Lifan** 101BMP2992 | **Prestolite** 59230, PD14A | **Remy** 1933404, 1985132 | **Schwitzer** 149015, 150580 | **Sycon** 19338, 19938 | **United Technologies (UTMS)** DV202750

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Caterpillar 4N4405 | **Delco Remy** 1113344, 4N4405 | **Ingersoll Rand** 462361 | **Leece-Neville** M0017137, M0017157, M0017191 | **Prestolite** 462361, MFJ6501 | **United Technologies (UTMS)** MFJ6501

99.0931.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**23.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hatz 1D60, 1D80

OEM *ORIGINAL*

Bosch 1006209482, 1006209914 | **Cargo** 137279

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001314047, 0001316012, 0001316013

99.0932.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6i), A3 (1.6T), A3 (1.9 TDI) | **Seat** Cordoba (1.9 TD), Ibiza (1.9 TD), Inca (1.9 D), Toledo (1.9 TDI) | **Skoda** Felicia (1.9 D), Octavia (1.6), Octavia (1.8), Octavia (1.9 TDI), Pick Up (1.9 D) | **Volkswagen** Beetle (1.9 TDI), Caddy (1.7 SDI), Caddy (1.9 D), Golf (2001), Golf (1.8), Golf III (1.9 TDI), New Beetle, Polo (1.7), Polo (1.9 SDI), Sharan (2.8 V6), Vento (1.9 D), Vento (1.9 TD)

OEM *ORIGINAL*

Bosch 1006209628, 1006209649, 1006209758 | **Cargo** 137480 | **Lucas Indiel** 229979

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001124003, 0001124013, 0001125005, 0001125006

99.0933.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**9.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol 1000 Mi AP / AT, Gol G2 (1.0 MI), Gol G2 (1.0 MI 16v), Gol G3 (1.0 MI), Gol G3 (1.0 MI 16v), Golf, Parati (1997)

OEM *ORIGINAL*

Bosch 9001081074

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081010

99.0935.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

JPX Jeep **| Peugeot** 306 (1.9 Diesel), Boxer, Partner (1.9 Diesel) **| Renault** Clio Express (Diesel), R19

OEM *ORIGINAL*

Lucas Indiel 224035

99.0936.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 405 (Diesel), 504 (Diesel), 505 (Diesel), 604 (Diesel)

OEM *ORIGINAL*

Lucas Indiel 224036 **|** **Valeo** 182052, NE210

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Paris Rhone D9R121, D9R84

99.0937.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.9 TDI) **|** **Ford** Galaxy (2.0) **|** **Seat** Alhambra (1.9 TDI), Ibiza (1.9 D), Ibiza (1.9 TD) **|** **Skoda** Octavia (1.9 TDI) **|** **Volkswagen** Beetle (1.9 TDI), Bora (1.9 TDI), Caravelle (1.9), Eurovan (1.9 L), Golf (2.0, 2001), Golf G3 (1.9 TDI), Multivan, Ônibus / Bus / Ómnibus (1.9 L), Passat, Polo (1.9 TDI), Sharan (1.9 TDI), Vento (1.9 TDI)

OEM *ORIGINAL*

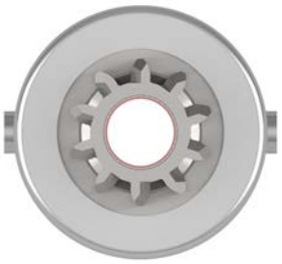
Bosch 1006209621, 1006209648, 1006209699, 1006209880 **|** **Cargo** 136854, 136854Z, 136854ZZ, 333177 **|** **Ika** 450221 **|** **Lucas Indiel** 224037 **|** **Magneti Marelli** 940113020308, 940113170308 **|** **Stemot** 11621 **|** **Visnova** 524251 **|** **Volkswagen** 02T911335, 047911335D

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001124001, 0001124005, 0001124006, 0001125001, 0001125002, 0001125007, 0001125008, 0001125011, 0001125012, 0001125013, 0001125031 **|** **Volkswagen** 02A911023L

99.0938.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**48.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier (1.4i 16v), Courier (1.6 16v), Courier (1.6 16v, motor Zetec), Fiesta (1.2), Fiesta (1.4 16v), Fiesta (1.4 16v, motor Zetec)

OEM *ORIGINAL*

Bosch 1006209629, 1006209929 | **Lucas Indiel** 224038

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107043, 0001107087, 0001113010, 0001113017 | **Ford** 96FB11000, 96FB11000KB, 96FB11000KC, 96FB11000LB, 96FB11000LC

99.0940.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**11.20**
G Ø Externo do Dente	**24.70**
IG Ø Interno do Dente	**16.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**70.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Asia Motors Towner (Motor Mando)

99.0941.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.55**
G Ø Externo do Dente	**37.18**
IG Ø Interno do Dente	**24.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Diesel), Ranger (Diesel)

OEM *ORIGINAL*

Facet 10682 | **Ford** F87U11350, F87U11350AC

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F87U11000DD

99.0942.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol AP (1.6 Mi 16v, 1999), Gol AP (1.6 Mi 8v, 1999), Gol AP (1.8 Mi 16v, 1999), Gol AP (1.8 Mi 8v, 1999), Gol AP (2.0 Mi 16v, 1999), Gol AP (2.0 Mi 8v, 1999), Gol G2 (1.6 Mi), Parati AP (1.6 Mi 16v, 1999), Parati AP (1.6 Mi 8v, 1999), Parati AP (1.8 Mi 16v, 1999), Parati AP (1.8 Mi 8v, 1999), Parati AP (2.0 Mi 16v, 1999), Parati AP (2.0 Mi 8v, 1999), Saveiro AP (1.6 Mi 16v, 1999), Saveiro AP (1.6 Mi 8v, 1999), Saveiro AP (1.8 Mi 16v, 1999), Saveiro AP (1.8 Mi 8v, 1999), Saveiro AP (2.0 Mi 16v, 1999), Saveiro AP (2.0 Mi 8v, 1999)

OEM *ORIGINAL*

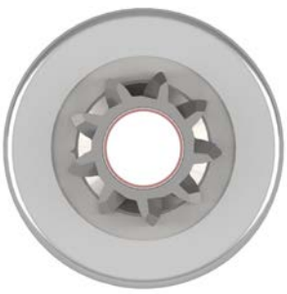
Bosch F000AL1032, F000AL1037, F000AL1882 | **Lucas Indiel** 229985

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0301

99.0945.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**48.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Corsa | **Renault** Clio (1.6), R11 (1.4), R19 (1.6), R9 (1.4)

OEM *ORIGINAL*

Lucas Indiel 35260290 | **Prestolite** 35261035

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258600, 35258790 | **Renault** 7702227059

99.0946.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/40**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00/53.60**
IG Ø Interno do Dente	**21.10/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu KBD 27, KBD 41, KBD 47, Trooper (2.2 Diesel) | **JEEP** Renegade | **Kia** Sportage

OEM *ORIGINAL*

Cargo 132863 | **Isuzu** 5811240030 | **Lester** 16739, 17303, 17381 | **Nippondenso** 0283001840, 0283001841, 0283001842

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 94123387 | **Isuzu** 2912559140, 451229, 455657, 455674, 5811000860, 5811001660, 5811001830, 8941233870, 8941337583, 8941492490, 8941702050, 8944489590, TY6615 | **Nippondenso** 0280000960, 0280004390, 0280005060, 0280006440, 0280007000, 0280007001, 0280007351, 0280007790, 0280007791, 0280009300, 1280000020, 1280000830, 1280000831, 1280000832, 1280000960, 1280001100, 1280001110, 1280002880, 1280002881, 1280004660, 1280004661, 1280008700, 2280001890

99.0947.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/40**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64/53.60**
IG Ø Interno do Dente	**19.80/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9186.0 / Uses 99.9186.0 BZM Pinion / Utiliza Piñion BZM 99.9186.0 | **Daihatsu** Rocky F80 | **Especial/Special** Motocicletas / Motorcycles | **JCB** Escavadeira / Excavator / Excavadora | **Mazda** B2200 | **Toyota** 2S, 2Y, 2Y (2.2), 3Y, Camry, Carina, Celica, Corolla, Dyna, Hilux, MR 2, Tercel

OEM *ORIGINAL*

Cargo 132004, 132543, 132544 | **General Motors/Chevrolet** 94840316, 96054326 | **Honda** 31204657617, 31204671671, 31207657671 | **Ishikawajima** 185866150 | **Isuzu** 8941291870 | **Kubota** 1550463041, 1687163041, 1921263041 | **Lester** 16248, 16251, 16578, 16586, 16600, 16612, 16674, 16735, 16736, 16737, 16759, 16760, 16761, 16786, 16790, 16802, 16821, 16823, 16825, 16826, 16827, 16828, 16829, 16831, 16833, 16834, 16837, 16878, 16892, 16895, 16906, 16911, 16913, 17002, 17003, 17027, 17125, 17143, 17171, 17240, 17251, 17256, 17345, 17420, 17422, 17481, 17487, 17521, 17530, 17537, 18181, 18182 | **Nippondenso** 0283001600, 0283001601, 0283001602, 0283001603, 0283001790, 0283001791, 0283001800, 0283002000, 0283002110, 0283002111, 0283002270, 0283003630, 0283003631, 0283004160, 0283004300, 0283004420, 0283005340, 0283005350, 0283005990, 0283006940, 0283007120 | **Toyota** 2801120540, 280112054071, 2801120571, 2801126030, 2801126040, 2801126041, 2801126042, 2801135030, 2801136030, 2810110710 | **WAI** 5482029

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Daihatsu 2810072010 | **Ishikawajima** 185086240, 185086340 | **Kubota** 1550463011, 1574163011 | **Nippondenso** 0280004343, 0280004450, 0280005900, 0280005912, 0280006001, 0280006120, 0280006332, 0280006362, 0280006450, 0280006930, 0280007321, 0280007392, 0280007560, 0280007620, 0280008050, 0280008060, 0280008220, 0280008261, 0280008290, 0280008320, 0280008850, 0280009070, 0280009260, 0280009380, 0280009711, 0280009720, 0280009860, 1280000101, 1280000220, 1280000230, 1280000500, 1280000510, 1280001370, 1280001440, 1280001441, 1280001520, 1280001630, 1280002060, 1280003340, 1280003350, 1280003590, 1280003670, 1280003990, 1280004420, 1280005261, 1280005410, 1280005700, 1280005780, 1280005781, 1280005840, 1280005850, 1280007090, 1280007100, 1280007330, 1280007680, 1280007690, 1280007912, 1280008070, 1280008080, 1280008240, 1280008560, 2280000311, 2280000580, 2280000960, 2280001100, 2280001110, 2280001710, 2280002020, 2280002121, 2280002300, 2280002610, 2280002620, 2280002682, 2280002691, 2280002701, 2280002760, 2280002770, 2280002851, 2280002880, 2280003200, 2280003290, 2280004320, 2280004330 | **Toyota** 2810010040, 2810010060, 2810013010, 2810015020, 2810015040, 2810015070, 2810015130, 2810015180, 2810016020, 2810016080, 2810016110, 2810027010, 2810027030, 2810027050, 2810027060, 2810031010, 2810034060, 2810034080, 2810034100, 2810041060, 2810042040, 2810042050, 2810044030, 2810044050, 2810045033, 2810045050, 2810051031, 2810060070, 2810063020, 2810063050, 2810072010, 2810072020, 2810072030, 2810072040, 2810072050, 2810072060, 2810072070, 2810072090, 2810072100, 2810072110, 2810073010

99.0948.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**22.30**
IS Ø Interno da Estria	**19.50**
L Comprimento	**104.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case EHC, Trator / Tractor 7110 (1985~1996), Trator / Tractor 7120 (1985~1996), Trator / Tractor 7200 (1985~1996), Trator / Tractor 7210 (1985~1996), Trator / Tractor 7220 (1985~1996), Trator / Tractor 7230 (1985~1996), Trator / Tractor 7240 (1985~1996), Trator / Tractor 7250 (1985~1996) | **John Deere** Colheitadeira / Combine / Cosechadora 7445, Colheitadeira / Combine / Cosechadora 7450, Colheitadeira / Combine / Cosechadora 9400, Colheitadeira / Combine / Cosechadora 9930, Especial / Special, Trator / Tractor 2056, Trator / Tractor 2058, Trator / Tractor 2064, Trator / Tractor 2066, Trator / Tractor 4055, Trator / Tractor 4255, Trator / Tractor 4455, Trator / Tractor 4560, Trator / Tractor 4755, Trator / Tractor 4760, Trator / Tractor 4955, Trator / Tractor 7400, Trator / Tractor 7710, Trator / Tractor 7800

OEM *ORIGINAL*

Cargo 233398 | **Lester** 17353, 17618, 17624, 17625, 17633, 18272 | **Nippondenso** 0283006840, 0283007530

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Case A187728 | **Caterpillar** 3E1864, 3E1865 | **Cummins** 3920328, 3921012 | **John Deere** RE3266, RE38369, RE39832, RE44151, TY6731 | **Lucas Reman** S9131, S9139 | **Nippondenso** 1280005330, 1280005970, 1280005971, 1280005972, 1280005973, 1280007170, 1280007172, 1280007174, 1280007230, 1280007231, 2280001360, 2280001361, 2280001380, 2280001390, 2280001400, 2280002360

99.0950.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10(5)**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Ceifeira / Windrower / Segadora Front (F911 Kawasaki 22HP), Kawasaki Motores pequenos / Small engines / Motores pequeños (FD620Dv), Tratores de Grama / Grass Tractors / Tractores de Césped (445 Kawasaki 22HP Gasolina / Gasoline), Tratores / Tractors Cub Cadet Compact (3205 Kawasaki 20HP Gasolina / Gasoline, 1998~1999), Turf (Kawasaki 18HP), Veículo utilitário / Utilitary vehicle / Vehículo utiliario (UTV) 1800 Golf (Kawasaki 18HP), Veículo utilitário / Utilitary vehicle / Vehículo utiliario (UTV) Gator (HPX Kawasaki 20HP)

OEM *ORIGINAL*

Cargo 234230 | **Krauf** SDN6230 | **Nippondenso** 0283005720 | **WAI** 548244

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280003540, 1280009360

99.0951.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**75.00**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

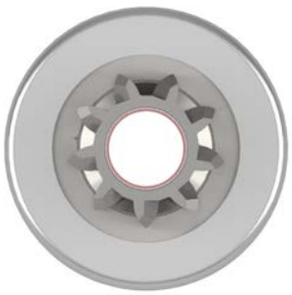
Suzuki Corry, Maruti

OEM *ORIGINAL*

Cargo 135651 | **Nippondenso** 0283005800 | **Nissan** 3132051A10 | **Suzuki** 3132051A10 | **WAI** 5452561, 5482561 | **Woodauto** SDV38749

99.0952.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.55**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

Igual ao BZM 99.10003.0/Same as 99.10003.0 BZM/Igual que BZM 99.10003.0
Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Century (3.1L-189-V6, 2001) | **Cadillac** Escalade (5.3L-325-V8, 2004~2005) | **Fiat** Doblò (1.8 16v), Doblò (1.8 8v), Doblò (Flex), Idea (1.8 16v), Idea (1.8 8v), Idea (Flex), Palio (1.8 16v), Palio (1.8 8v), Palio (Flex), Punto (1.8 16v), Punto (1.8 8v), Punto (Flex), Stilo (1.8 16v), Stilo (1.8 8v), Stilo (Flex), Strada (1.8 16v), Strada (1.8 8v), Strada (Flex) | **General Motors/Chevrolet** Astra (1.8), Astra (2.0), Avalanche (5.3L-325-V8, 2004~2005), Blazer (2.2), Blazer (2.4), Celta, Cobalt, Corsa (1.8), Envoy (5.3L-325-V8, 2004~2005), Envoy (5.3L XL-325-V8, 2004~2005), Express Van (4.8L-291-V8, 2004~2005), Express Van (5.3L-325-V8, 2004~2005), Impala (3.4L-207-V6, 2001), Lumina Sedan (3.1L-189-V6, 2001), Malibu (3.1L-189-V6, 2001), Meriva (1.8), Montana, Monte Carlo (3.4L-207-V6, 2001), Prisma, S10 (2.2), S10 (2.4), Savana Van (4.8L-291-V8, 2004~2005), Savana Van (5.3L-325-V8, 2004~2005), Savana Van (5.3L XL-325-V8, 2004~2005), Sierra Pick Up (4.8L-291-V8, 2004~2005), Sierra Pick Up (5.3L-325-V8, 2004~2005), Sierra Pick Up (5.3L XL-325-V8, 2004~2005), Silverado Pick Up (4.8L-291-V8, 2004~2005), Silverado Pick Up (5.3L-325-V8, 2004~2005), Spin, SSR Sport Truck (5.3L-325-V8, 2004~2005), Suburban (5.3L-325-V8, 2004~2005), Tahoe (4.8L-291-V8, 2004~2005), Tahoe (5.3L-325-V8, 2004~2005), TrailBlazer (5.3L-325-V8, 2004~2005), Vectra (2.2), Venture (3.4L-207-V6, 2001), Yukon (4.8L-291-V8, 2004~2005), Yukon (5.3L-325-V8, 2004~2005), Yukon (5.3L XL-325-V8, 2004~2005), Zafira (2.0) | **Isuzu** Ascender (5.3L-325-V8, 2004) | **Oldsmobile** Alero (3.4L-207-V6, 2001), Silhouette (3.4L-207-V6, 2001) | **Opel** Astra G (2.2 16v), Signum (2.2), Speedster (2.2), Vectra B (2.2 16v), Vectra C (2.2 16v), Zafira (2.2 16v) | **Pontiac** Aztek (3.4L-207-V6, 2001), Grand AM (3.4L-207-V6, 2001), Grand Prix (3.1L-189-V6, 2001), Montana (3.4L-207-V6, 2001) | **Saab** 97 (5.3L-325-V8, 2005)

OEM *ORIGINAL*

Delco Remy 10452348, 10455504, 10501804, 10504515, 10521484, 8000045, 8000058, 89017523, 9000856, 9000868, 9000876, 9000881, 9000896, 9000901, 9000933, 9000939, 9000948, 9000977 | **Lester** 6471, 6491, 6493, 6494

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10452345, 8000006, 8000048, 8000090, 8000158, 8000159, 8000180, 8000188, 8000287, 9000890, 9000891, 9000893, 9000902, 9000932, 9000934, 9000944, 9000952, 9000967, 9000978, 9000981 | **General Motors/Chevrolet** 93297652, 93297653, 93303527, 93304772, 93327502, 93374341, 93374342, 93384398

99.0953.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**16.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**88.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 1100TN, 217N, 332, 352, 615N, 615N1, 616, Campagnolo (Diesel)

OEM *ORIGINAL*

Fiat 879898 | **Magneti Marelli** 74899601

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 4104783, 852962 | **Magneti Marelli** 63223897, E115424

99.0954.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10/40**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80/53.60**
IG Ø Interno do Dente	**25.04/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux (2.8)

OEM *ORIGINAL*

Cargo 139653 | **Nippondenso** 0283007700, 0283007790, 0283008150 | **Toyota** 2801154380, 2801155050, 2801164130 | **Visnova** 597212 | **WAI** 548257

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 2280002120, 2810054380

99.0957.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.50**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**130.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12658.0 / Uses 99.12658.0 BZM Pinion / Utiliza Piñion BZM 99.12658.0, Utiliza Pinhão BZM 99.12659.0 / Uses 99.12659.0 BZM Pinion / Utiliza Piñion BZM 99.12659.0 | **Hyundai** H1 | **Mazda** 2200, 2200 Pick Up | **Mitsubishi** 2000, 3000, Canter, Canter 2000, Empilhadeira / Forklift / Apiladora | **Nissan** 3300, 3500 | **Yale** Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

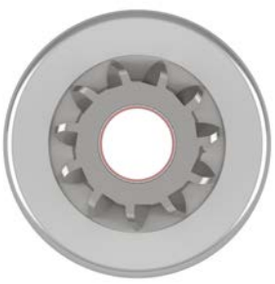
Cargo 134966 | **Mazda** 859924740 | **Mitsubishi** 23314T9000, M357T61671, M357T71671, M357T72971, M357T73171, M357T73181, M357T76171, M357T77371, M605X31971, ME700121, N357T84181 | **Nissan** 23314T9000 | **Visnova** 1057152

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda S21118400, V10118400B | **Mitsubishi** M002T54372, M002T54571, M002T54572, M002T56071, M002T57871, M002T57881, M002T60072, M002T61771, M002T64372, M002T64373, M002T66371, M002T66872, M002T66873, M002T67871, M002T67872, M002T67873, M002T67881, M002T67882, M002T67883, M002T78271, M003T56471, M003T57371, M003T66071, M003T66072, M003T66073, M003T66074, M2T54372, M2T54571, M2T54572, M2T56071, M2T57871, M2T57881, M2T60072, M2T61771, M2T64372, M2T64373, M2T66371, M2T66872, M2T66873, M2T67871, M2T67872, M2T67873, M2T67881, M2T67882, M2T67883, M2T78271, M3T56471, M3T57371, M3T66071, M3T66072, M3T66073, M3T66074, ME007517, ME008815, ME017034, ME017035, ME017056, ME017061, MG120413

99.0958.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**21.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Blazer (4.3 V6) | **Hyster** Empilhadeira / Forklift / Apiladora H80XM

OEM *ORIGINAL*

Delco Remy 10492409

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 24506694, 9000836, 9000841, 9000854, 9000857, 9000858, 9000871, 9000872, 9000873, 9000879, 9000880, 9000882, 9000884, 9000885

99.0959.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**18**
2T Dois Dentes	**-**
G Ø Externo do Dente	**13.25**
IG Ø Interno do Dente	**11.85**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**82.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Excursion (5.4 V8), Excursion (6.8 V10), Expedition (4.6, 1999), Expedition (5.4 V8, 1999), Série F / F Series (4.2 V6, 1999), Série F / F Series (4.6 V8, 1999), Série F / F Series (5.4 V8, 1999), Série F / F Series (6.8 V10, 1999) | **Lincoln** Navigator (5.4 V8, 1999)

OEM *ORIGINAL*

Cargo 231958 | **Ford** F81U11350AB, STRC019 | **Visteon** STRC019 | **WAI** 542400

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F81U11000AC

99.0960.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lotus Elise | **Rover** 216, 620, 820, 850

OEM *ORIGINAL*

Cargo 133295, 133979 | **Lucas** 54292179, TNB176

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26607EJ, 26692, 26696

99.0961.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën BX, Xantia, XM, ZX | **Ford** Granada, Scorpio, Sierra | **Mercedes-Benz** E 200, E 300 | **Peugeot** 404, 405, 504 (2.1), 504 (2.3 Diesel), 505 (1.6), 505 (1.8), 505 (2.0), 505 (2.3), 505 (2.5 Diesel), 604, J9

OEM *ORIGINAL*

Paris Rhone 180827, 184530 | **Valeo** 182176, 185675, 186456, 594042, NE776, NE832

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Paris Rhone D9R112, D9R118, D9R122, D9R135, D9R89, D9R99 | **Valeo** D9R112, D9R118, D9R119, D9R135, D9R149, D9R89, D9R99

99.0962.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier (1.8 Diesel), Escort (1.6 Diesel), Fiesta (1.6 Diesel), Mondeo (1.8 Turbo Diesel), Orion (1.6 Diesel)

OEM *ORIGINAL*

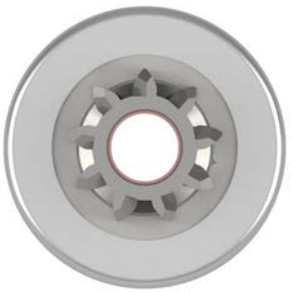
Bosch 1006209560, 1006209569, 1006209908 | **Cargo** 131434, 333548 | **Lucas Indiel** 224062

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110013, 0001110019, 0001110043, 0001110044, 0001110051, 0001110064, 0001110065, 0001110088, 0001110104, 0001110105

99.0965.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**41.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C3 | **Fiat** 147 (1.1, 1973~1986), 147 (1.3, 1973~1986), Duna 60 (1986~1990), Duna 70 (1986~1990), Duna Weekend (1986~1990), Elba (1.0, 1985), Elba (1.3, 1985), Elba (1.5 SOHC, 1985), Fiorino (1.0, 1985), Fiorino (1.3, 1985), Fiorino (1.5, 1985), Oggi (1.1, 1973~1986), Oggi (1.3, 1973~1986), Palio (1.0 16v), Palio (1.0 8v), Palio (1.3 16v), Palio (1.5 EL MPI), Palio (1.5 ELX MPI), Palio (1.8) | **Ford** Courier (1.0L Zetec Rocam), Courier (1.6L Zetec Rocam), EcoSport (1.0L Supercharger), EcoSport (1.0L Zetec Rocam), EcoSport (1.6L Zetec Rocam), Escort (1.6L Zetec Rocam), Fiesta (1.0L Zetec Rocam, 1999), Fiesta (1.6L Zetec Rocam, 1999), Ka (1.0L Zetec Rocam), Ka (1.6L Zetec Rocam), New Fiesta (1.0L Supercharger), New Fiesta (1.0L Zetec Rocam), New Fiesta (1.6 Zetec Rocam) | **Nissan** March (1.0 16v) | **Peugeot** 106, 206 (1.0 16v), 206 (1.4), 206 (1.6), 206 (1.6 16v), 207 | **Renault** Clio, Clio (1.0), Clio (1.0 16v), Clio (1.6 16v), Kangoo (1.0), Kangoo (1.0 16v), Kangoo (1.2), Kangoo (1.6 16v), Logan (1.0 16v), Twingo (1.0), Twingo (1.2)

OEM *ORIGINAL*

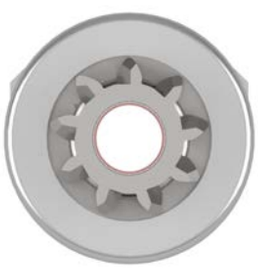
Lucas Indiel 229989 | **Valeo** 060527, 080327, 100327, 187336, 187863, 187996, 188251, 220527, 250527, 260412, 290212, 290327, 492828, 494828, 494832, 594287, NE949

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 3S6511000AA, 3S6511000CA | **Valeo** D7E1, D7E16, D7E23, D7E24, D7E33, D7E34, D7E35, D7E37, D7E39, D7E5, D7E52

99.0969.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**52.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 318i, 324 D, 524 D | **Lancia** K (2.0), K (2.4 TD)

OEM *ORIGINAL*

Cargo 136257 | **Fiat** 9946922 | **Krauf** SDE5257 | **Magneti Marelli** 85540881, 85541030 | **WAI** 549316

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63111000, 63223435, 63223639

99.0970.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Ceifeira / Windrower / Segadora 6000 (Motor NCE 4-390), Ceifeira / Windrower / Segadora 6500 W (Motor NCE 4-390), Escavadeira / Excavator / Excavadora 1088, Retroescavadeira / Backhoe / Retroexcavadora (Motor Cummins), Trator / Tractor 5100 (1987~1992) **|** **Cummins** Motores **|** **DAF** 130, 45

OEM *ORIGINAL*

Bosch 2006209458, 2006209543, 2006209544 **|** **Cargo** 136509, 333504 **|** **Delco Remy** 19025648 **|** **WAI** 5491991

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001367072, 0001368069, 0001368083, 0001369007, 0001369019, 0001369025 **|** **Case** 114799A1, A181642, A187597, P941519Q **|** **Cummins** 3283312, 3283812

99.0972.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**88.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Galaxy (2.8) **|** **Seat** Cordoba (1.9 D), Cordoba (1.9 DT), Especial / Special, Ibiza (1.9 D), Inca (1.9 D) **|** **Volkswagen** Golf, Golf (2.8), Passat (1.9 TDI), Passat (1.9, a Diesel), Polo (1.9, a Diesel), Sharan (2.8 V6), Vento (1.9 TDI)

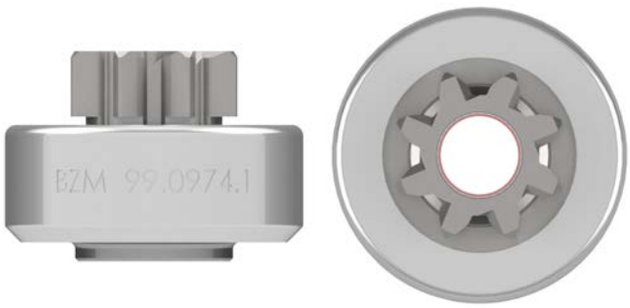
OEM *ORIGINAL*

Bosch 1006209643, 1006209759 **|** **Lucas Indiel** 224072

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001124011, 0001125003, 0001125039

99.0974.1



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**27.80**
IG Ø Interno do Dente	**18.80**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**15.50**
IS Ø Interno da Estria	**13.20**
L Comprimento	**33.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Sea Doo GSX, GTI, GTS, GTX, HX, Serie 800 (Modelos novos / New models / Nuevos modelos), SP, SP1, SPX, Toda linha 110 HP / All 110 HP line / Toda línea 110 HP, XP

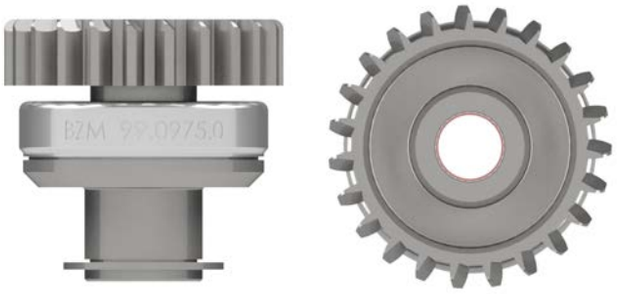
OEM *ORIGINAL*

BRP 278001497, 278001936 | **Magneti Marelli** 940113020432, AMB0432 | **Sea Doo** 278001106

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 2280006240

99.0975.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**23**
2T Dois Dentes	**10.15**
G Ø Externo do Dente	**54.40**
IG Ø Interno do Dente	**45.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.10**
L Comprimento	**51.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (1.3), Escort (1.8), Escort (1.8 EFI, ←08/1995), Fiesta (0.9, 1996), Fiesta (1.0, 1996), Ford Ka (1.3i)

OEM *ORIGINAL*

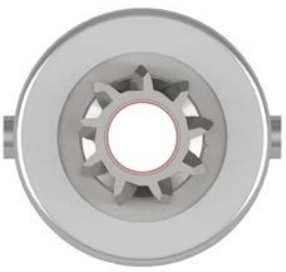
Cargo 139710 | **Ford** F5BU11350AA | **Lucas** 054294817010, 54294813 | **Lucas Indiel** 224075 | **Magneti Marelli** 54294817

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 95FB11000BC, 95FB11000BD, 95FB11000BG | **Magneti Marelli** 63223538, 63293538

99.0976.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën AX, Berlingo, Berlingo (1.1), Berlingo (1.4), C3 (1.1i), C3 (1.4), C3 (1.4i), C3 (1.6), C3 (1.6 16v), Saxo (1.0), Saxo (1.1), Saxo (1.4), Saxo (1.6), Xsara (1.4i, 07/1997~08/2000), Xsara Picasso (2.0 16v), ZX (1.0), ZX (1.4) | **Fiat** Doblò (1.6 16v), Palio Fire (2001), Palio Weekend (1.6 16v Fire, 2001), Palio Weekend Adventure (1.6 16v Fire, 2001), Siena (1.6 MPI 16v), Stilo (1.6 16v), Strada (2003) | **Lancia** Lybra (1.6 16v) | **Mercedes-Benz** C 240, C 280, C 280 (T-Model), CLK 320 (Coupé) | **Opel** Agila (1.0), Astra (1.6), Astra (1.8 16v), Corsa (1.0), Omega (1.8 16v) | **Peugeot** 106, 106 (1.1), 106 (1.4), 106 (1.6), 205, 205 (1.1), 205 (1.4), 205 (1.6), 206, 206 (1.4), 206 (1.4 16v), 206 (1.6 16v), 207 (1.4), 207 (1.4 16v), 306, 306 (1.1), 306 (1.4), 306 (1.6), 405 (1.6), Boxer, Limousine, Partner (1.1), Partner (1.4), Partner Furgão / Panel Van / Furgoneta (1.1), Partner Furgão / Panel Van / Furgoneta (1.4), Partner Van | **Renault** Clio (1.8i), Laguna (1.8i), Megane (2.0 16v), Megane (2.0i), Megane (2.0i 16v), Sport Spider (2.0i) | **Saab** 9-3 (2.0 T), 9-3 (2.0i), 9-5 (2.0 T), 9-5 (2.3 T) | **Smart** Fortwo (0.8 CDI) | **Volvo** 460 (1.7)

OEM *ORIGINAL*

Bosch 1006209624, 1006209633, 1006209692, 1006209696, 1006209706, 1006209715, 1006209777, 1006209944, 1006210156, 9008045049, F000AL1324, F000AL1683 | **Cargo** 137483, 333191 | **Fiat** 9949388 | **Lucas Indiel** 224076 | **Mercedes-Benz** 0011512213 | **Opel** 9117919 | **Renault** 7701042466 | **WAI** 5491103

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001106011, 0001106014, 0001106015, 0001107047, 0001107063, 0001107077, 0001107091, 0001107098, 0001108171, 0001108176, 0001108184, 0001112007, 0001112019, 0001112041, 0001112044, 0001115006, 0001116003

99.0978.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet D20 (03/1992→), D6000 (03/1992→), GMC 6100 (Maxion 4 cil / cyl, 2001), Silverado (Maxion S4 Diesel) | **Massey Ferguson** Trator / Tractor 265 (04/1976→) | **Perkins** Maxion

OEM *ORIGINAL*

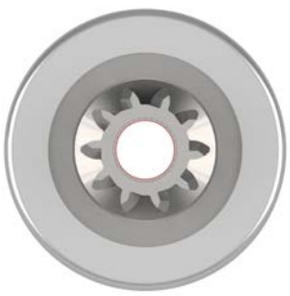
Lucas Indiel 220310, 224078, 229027, 35259027, 35260310, 35260810

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258540, 35258710

99.0983.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Peugeot 504, 505 (Motor Diesel XD2)

OEM *ORIGINAL*

Lucas Indiel 35259037, 35260590

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258690, 35259710

99.0985.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.62**
G Ø Externo do Dente	**36.20**
IG Ø Interno do Dente	**22.55**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Allis Pá Carregadeira / Wheel Loader / Pala Cargadora FR128, Trator de Esteira / Track-Type Tractor / Buldócer 7D | **Mercedes-Benz** 1215, 1218 EL, 1218 L, 1315 (Atego-24v OM 904, OM 906, OM 924, OM 926), 1418 (Atego-24v OM 904, OM 906, OM 924, OM 926), 1418 EL, 1518 (Atego-24v OM 904, OM 906, OM 924, OM 926), 1718 (Atego-24v OM 904, OM 906, OM 924, OM 926), 1725 (Atego-24v OM 904, OM 906, OM 924, OM 926), 2423 B (Atego-24v OM 904, OM 906, OM 924, OM 926), 2423 K (Atego-24v OM 904, OM 906, OM 924, OM 926), 2425 (Atego-24v OM 904, OM 906, OM 924, OM 926), 714C, 715, 915C, Accelo 915C, Axor 1933, Caminhão / Truck / Camión (OM 904, OM 906, OM 924, OM 926), Caminhão / Truck / Camión 1718, Caminhão / Truck / Camión 1725, Caminhão / Truck / Camión 2423, Caminhão / Truck / Camión 2428, Caminhão / Truck / Camión 712C, Caminhão / Truck / Camión L1418, Especial / Special, L 1318 (Atego-24v OM 904, OM 906, OM 924, OM 926), L 1620 (Chassi para Ônibus / Bus Chassis / Chasi de Autobús-Atego-24v OM 904, OM 906, OM 924, OM 926), LO 914 (Atego-24v OM 904, OM 906, OM 924, OM 926),

O500M (Atego-24v OM 904, OM 906, OM 924, OM 926), O500R (Atego-24v OM 904, OM 906, OM 924, OM 926), O500U (Atego-24v OM 904, OM 906, OM 924, OM 926), OF1417 (Atego-24v OM 904, OM 906, OM 924, OM 926), OF1418 (Atego-24v OM 904, OM 906, OM 924, OM 926), OF1518 (Atego-24v OM 904, OM 906, OM 924, OM 926), OF1721 (Atego-24v OM 904, OM 906, OM 924, OM 926), OF1722 (Atego-24v OM 904, OM 906, OM 924, OM 926), Ônibus Eletrônico / Electronic Bus / Ómnibus Electrónico (OM 904, OM 906, OM 924, OM 926) | **TCM Equipment Ag** Serie 28MT (12v OM 904, OM 906, OM 924, OM 926), Serie 28MT (24v OM 904, OM 906, OM 924, OM 926)

OEM *ORIGINAL*

Cargo 233387 | **Delco Remy** 10457362, 10457368, 10503933 | **Magneti Marelli** AMB0332 | **Woodauto** SDV30629

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479626, 10479650, 10479654 | **Mercedes-Benz** A0051512201, A0051517601

99.0989.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Kombi (Refrigerada à água / Water-cooled / Refrigerada por agua, 1998)

OEM *ORIGINAL*

Bosch F000AL1052, F000AL1152, F000AL1707

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0306

99.0990.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Duna | **Ford** Escort (1.8 Motor Zetec), Escort (2.0 Motor Zetec), Escort L (Motor Zetec), Focus, Mondeo (1.8 Motor Zetec), Mondeo (2.0 Motor Zetec)

OEM *ORIGINAL*

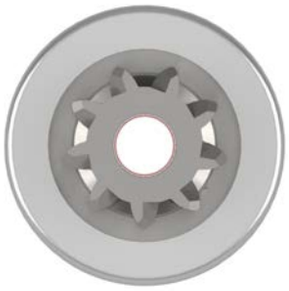
Lucas Indiel 220625, 224090, 35260625

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258760, 35258850, 35261250

99.0991.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.80**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**25.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Micro Ônibus / Micro Bus / Micro Ómnibus Volare Marcopolo (MWM 407 TCA, 10/1998→) | **Ford** F250 (MWM) | **General Motors/Chevrolet** Silverado (MWM Diesel) | **MWM** Motor 06CL Sprint - GM Silverado

OEM *ORIGINAL*

Lucas Indiel 224091, 229033, 35259033, 35260500

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258580, 35258910, 35261305 | **Prestolite** 35259890

99.0996.0





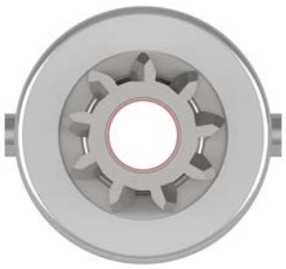
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yale Empilhadeira / Forklift / Apiladora

99.0997.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 156 (1.9 JTD), 159 (1.9 JTDM 16v) | **BMW** 316 (Série / Serie E36), 318 (Série / Serie E36), 325 (Série / Serie E36), 728 (Série / Serie E38), Todos os tipos exceto Diesel / All types except Diesel / Todos los tipos excepto Diesel (Série / Serie 5), Todos os tipos exceto Diesel / All types except Diesel / Todos los tipos excepto Diesel (Série / Serie E34), Todos os tipos exceto Diesel / All types except Diesel / Todos los tipos excepto Diesel (Série / Serie E36) | **Fiat** Brava (1.9 TD), Bravo (1.9 TD), Croma II (1.9 D Multijet), Doblò (1.6 D 16v Multijet), Linea (1.6 D Multijet), Marea (1.9 TD), Punto Evo (1.6 D Multijet), Stilo (1.9 D Multijet) | **Ford** Focus (1.8 TDCI), Granada, Scorpio (1.8), Scorpio (2.0), Transit (1.6), Transit (2.0) | **Lancia** Delta III (1.6 D Multijet), Delta III (1.8), Lybra (1.9 JTD), Musa (1.6 D Multijet) | **Lombardini** LDW 1204, LDW 1204 (T), LDW 502, LDW 602, LDW 903 | **Opel** Frontera (2.5 TD)

OEM *ORIGINAL*

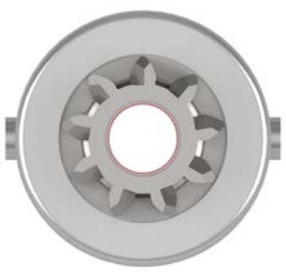
BMW 12411740373 | **Bosch** 1006209634, 1006209660, 1006209779, 1006209792, 1006209959, 1006209968, 1006209975, 1006209983, 1006209995, 1006210144, 1006210224, F002G20142 | **Cargo** 137888, 234902, 333192, 333579 | **Lucas Indiel** 224097 | **WAI** 54911011

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107062, 0001108157, 0001108169

99.0998.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Barchetta (1.8 16v), Brava (1.8 16v), Brava (1.8 HGT), Bravo (1.8 16v), Bravo (2.0 20v), Coupé (1.8 16v), Marea (1.8 16v), Marea (1.8 MPI 16v), Marea (2.0 20v), Marea (2.0 MPI 20v Turbo), Marea (2.4 20v), Marea (Turbo), Marea Weekend (1.8 MPI 16v), Marea Weekend (2.0 MPI 20v Turbo) | **Lancia** Dedra, Delta, Lybra (1.8i.e. 16v), Lybra (2.0i.e. 20v) | **Toyota** Avensis (1.6i 16v), Avensis (1.8i 16v), Carina E (1.6i 16v), Carina E (1.8i 16v), Celica (1.8i 16v), Corolla (2000), Fielder (2010→), Hilux (2.7, 2010→)

OEM *ORIGINAL*

Bosch 1006209607, 1006209670, 1006209675, 1006209938, F000AL0102, F000AL1200, F000AL1250, F000AL1695 | **Cargo** 139954, 333208 | **Fiat** 9947838 | **Lucas Indiel** 224098 | **WAI** 54911133

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107030, 0001107066, 0001107078, 0001107079, 0001108181, F000AL0102, F000AL0110, F00MAL0110 | **Fiat** 46468696 | **Toyota** 281000C060

99.0999.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**23.50**
IG Ø Interno do Dente	**15.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Palio (1.6), Palio Weekend, Siena (1.6 16v), Strada | **Piaggio** Porter (1.0)

OEM *ORIGINAL*

Lucas Indiel 224099 | **Magneti Marelli** 085541280010, 940113020336, AMB0336

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63103007, 63103008

99.1001.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW D35 (1.4, 11/1979~07/1987), D50 (2.1, 11/1979~07/1987)

OEM *ORIGINAL*

Bosch 2006209486

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001366026

99.1002.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**35.80**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD BF4L1011 (2.7, 06/1989), F2L1011 (1.4, 06/1989), F3L1011 (2.0, 06/1989), F4L1011 (2.7, 06/1989)

OEM *ORIGINAL*

Bosch 2006209461

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001368077

99.1003.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Trator / Tractor **| Saab** Marina GAG (0.9L, 1961~1979), Marine 2G (1.6L, 1977~1983), Marine 2GRG (1.6L, 1977~1983), Marine 2J (1.9L, 1977~1988), Marine 2JRG (1.9L, 1977~1985), Marine G (0.8L, 1977~1979), Marine GA (0.8L, 1961~1979)

OEM *ORIGINAL*

Bosch 2006209433 **| Lucas Indiel** 220406

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362085, 0001362094, 0001362099

99.1004.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**14.26**
CW-CCW Sentido	**CCW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ferrari Trator / Tractor | **Lamborghini** Diablo (5.7), Trator / Tractor | **Lombardini** Trator / Tractor

OEM *ORIGINAL*

Bosch 2006209429, 2006209490 | **Cargo** 333126

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001362104

99.1016.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hitachi Maxima, Tsuru Altima

OEM *ORIGINAL*

Hitachi 211445016 | **Nissan** 2331231U00

99.1017.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (2002) **| Infiniti** I30 (3.0) **| Nissan** Maxima II (2.0), Maxima II (3.0 V6 24v), Maxima III QX (2.0), Maxima III QX (3.0) **| Volkswagen** Bora (1.8T), Bora (2.3 V5 4Motion), Golf IV (1.8 GTI Turbo), Golf IV (2.8 V6), Sharan (1.8T 20v)

OEM *ORIGINAL*

Hitachi 211445100 **| Nissan** 2331231U01

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114801B, S114801C, S114875 **| Nissan** 2330031U02

99.1018.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**69.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Almera, Sunny **| Subaru** Forester (2.0), Impreza (1.6), Impreza (1.8), Impreza (2.0 2WD), Impreza (2.0 4WD), Justy (1.0), Legacy (2.0), Legacy (2.2), Legacy (2.5)

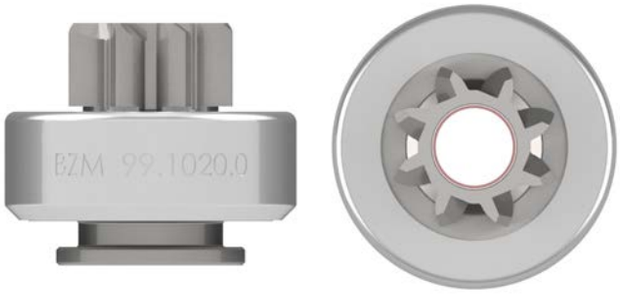
OEM *ORIGINAL*

Cargo 136923 **| Mitsubishi** M191T16771, M191T16971, M191X16771, M191X16971 **| Nissan-Datsun** 23312AA050 **| Subaru** 23312AA050 **| WAI** 548338

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M0T80285, M1T77181

99.1020.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**38.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan 200 SX, Sentra

OEM *ORIGINAL*

Hitachi 211415016 | **Nissan** 2331250Y01

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114750, S114766A, S114775A, S114800, S114816

99.1021.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**48.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Altima L4 (2.4L 2389cc, 1993~1997)

OEM *ORIGINAL*

Nissan 233121E400

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114754, S114754A | **Nissan** 233001E400, 233001E400R

99.1022.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**57.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Micro Ônibus / Micro Bus / Micro Ómnibus Volare Marcopolo (MWM 407 TCA, 10/1998→) | **Fiat** Ducato | **Ford** F250 (MWM), F350 | **General Motors/Chevrolet** Silverado (MWM) | **MWM** Motor 6.07TCA (F250, 03/1999→) | **Peugeot** Boxer (2.8 HDI)

OEM *ORIGINAL*

Bosch 6033AD0270, 6033AD0414 | **Cargo** 233719, 233921, 234405, 333206 | **Fiat** 9949055 | **WAI** 5491153

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218159, 0001223010, 0001223013, 9003336283

99.1023.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**29.38**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.8 D), Berlingo (1.9 D), Berlingo (2.0 HDI), C Crosser (2.2 HDI), C5 (2.0 HDI), C5 (2.2 HDI) | **Fiat** Ducato (2.0 JTD), Scudo (1.9 D), Scudo (2.0 JTD), Scudo (TD) | **JPX** Jeep (Partida / Start Valeo) | **Lancia** Musa (1.9 D Multijet), Phedra (2.2 JTD) | **Mercedes-Benz** Sprinter | **Nissan** Primera (1.9 DCI) | **Opel** Vivaro (1.9 TD) | **Peugeot** 205 (1.7 D), 206 (1.9 D), 405 (Diesel), Partner | **Renault** Clio (D), Express (D), Megane (D), R19 (D), R21 (D) | **Volvo** 400 (TD), 460 (TD)

OEM *ORIGINAL*

Cargo 135389 | **Ducellier** 584185 | **Lucas Indiel** 220407 | **Valeo** 185915, 193986, 549185, 584135, 584136, 584185, 594185, NE834 | **WAI** 549441

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mercedes-Benz 0051511301 | **Valeo** D7R12, D7R13, D7R16, D7R18, D7R20, D7R25, D7R26, D7R27, D7R40, D7R43, D7R46, D7R49, D7R5, D7R8, D7R9, D7RE46, D8R27, D8R49

99.1024.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**32.50**
IG Ø Interno do Dente	**22.10**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**45.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën XM (2.5 TD) | **Fiat** 127, Panda 30, Panda 45, Ritmo 60, Uno 45 | **Ford** Ranger (2.5 TD) | **Hyundai** HR | **Mazda** B2500 (D) | **Mitsubishi** 4D56, L200 (2.5 D 4WD), L300 (2.5 D), L300 (2.5 TD 4x4), Pajero (2.5 TD), Space Gear (2.5 D)

OEM *ORIGINAL*

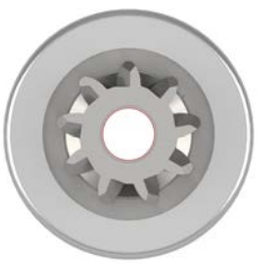
Cargo 139541, 139903 | **Lucas Indiel** 220408 | **Mazda** WL0218X25 | **Mitsubishi** M191T15071, M191T68071, M191X15071, M191X68071, MD312858, MD618963 | **Nissan** 2335488V00 | **Suzuki** 3132068D00 | **WAI** 5483431

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M002T87071, M002T87171ZT, M2T80582, M2T84071, M2T84171, M2T84571, M2T87071, M2T87171, M2T87271, M2T87471, M2T87871, MD315548

99.1025.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**64.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Ducato 719 (2.8), Ducato 720 (2.8), Ducato 721 (2.8), Ducato 722 (2.8), Ducato 723 (2.8), Ducato 724 (2.8), Ducato 725 (2.8), Ducato 726 (2.8), Ducato 729 (2.8) | **Peugeot** Boxer

OEM *ORIGINAL*

Fiat 9948135 | **Magneti Marelli** 83226569, 85541700

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 131955508 | **Magneti Marelli** 63114014

99.1026.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250 (Diesel), F350 (Diesel), F350 (Motor Cummins, Diesel), F4000 (Diesel) | **Mitsubishi** Caminhões leves / Camiones livianos / Light trucks, Pick-Ups, Vans

OEM *ORIGINAL*

Bosch 6033AD0091 | **Cargo** 234406 | **Ford** BF9T11350AB | **Krauf** SDB1406 | **Lucas Indiel** 229983

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223500, 0001223505

99.1027.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250 (Motor Cummins), F4000 (Motor Cummins)

OEM *ORIGINAL*

Bosch 6033ADO284, 9033ADO284 | **Krauf** SDB0284 | **Lucas Indiel** 229984

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223505, 0001223555

99.1030.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agria 3800G | **Citroën** XM (2.1 Diesel), XM (2.1 Turbo Diesel) | **Farymann** G10, G20 | **Lancia** Phedra (2.0 JTD), Phedra (2.2 JTD), Zeta (2.0 JTD), Zeta (2.1 TD) | **Suzuki** Vitara | **Yanmar** Micro Trator / Micro Tractor

OEM *ORIGINAL*

Bosch 1006209646 | **Cargo** 230352, 333553 | **Citroën** 5835F1 | **Fiat** 77362120 | **Krauf** SDB1352, SDB9352 | **Magneti Marelli** 940113020352, AMB0352 | **Peugeot** 5835F1 | **WAI** 5491154

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109026

99.1031.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.8), Berlingo (1.8 D), Evasion (1.8), Evasion (2.0), Evasion (2.0 Turbo), Jumper (2.0), Xantia (1.6), Xantia (1.8 18v), Xantia (16v), Xantia (16v 2.0 CT Turbo), Xantia (2.0 8v), Xantia (2.0 HDI), XM (2.0 CT Turbo), XM (2.0i), Xsara (1.8), Xsara (1.8 16v), Xsara (2.0 16v), Xsara (2.0 16v VTS), Xsara Picasso (1.8 16v), ZX (1.6), ZX (1.8 16v), ZX (1.9), ZX (2.0i) | **Fiat** Ulysse (1.8), Ulysse (2.0) | **Lancia** Zeta (2.0 16v), Zeta (2.0ie), Zeta (Turbo) | **Mercedes-Benz** 280E, 320E, C 280, Classe A 170 (CDI), Classe A / A Class 160 (CDI), E 250 (DT-210-BG, GR, H, I, IS, HR, P, SLO, TR), E 250 (DT-210i), E 259 (DT-210), E 280, E 300, E 320, S 280, S 321, Sprinter 208 (D), Sprinter 210 (D), Sprinter 212 (D), Sprinter 308 (D), Sprinter 312 (D), Sprinter 408 (D), Sprinter 410 (D), Sprinter 412 (D), Vario 812 (D), Vito 108 (D), Vito 110 (D) | **Peugeot** 306 (1.8), 306 (2.0), 405 (1.6 GL), 405 (1.8i), 405 (1.9 GR), 405 (1.9 SRI), 405 (2.0i), 406 (1.6), 406 (1.8 16v), 406 (2.0 16v), 406 (2.0 Turbo), 605 (2.0), 806 (2.0), 806 (2.0 Turbo), Boxer (2.0), Expert (1.8), Partner (1.8) | **Renault** Clio (1.9 Diesel), Megane (1.9 D), R19 (1.9 D), Safrane (2.2i)

OEM *ORIGINAL*

Bosch 1006209631, 1006209635, 1006209678 | **Lucas Indiel** 220409

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108183, 0001108217, 0001108218, 0001109014, 0001109036, 0001109250, 0001110112, 0001115001, 0001115008

99.1033.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 145 (1998→), 146 (1.9 JTD, 1998→), 147 (1.9 JTD, 2000→), 156 (1.9 JTD, 1997~2000) | **BMW** 324 (1996→), 325 (1996→), 525 (1996→), 725 (TDS 12v, 1996→) | **Fiat** Brava (1.9 JTD, 1997~1998), Doblò (1.9, 2000→), Marea (1.9, 1996→), Multipla, Punto (2001→), Stilo (2001→) | **Lancia** Lybra | **Opel** Frontera (2.5, 1996→), Omega (2.5 TD), Omega (2.5 XTD)

OEM *ORIGINAL*

Bosch 1006209645

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109025, 0001109030, 0001109033, 0001109035 | **Fiat** 46473784

99.1035.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**13.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Celeste (2.0), Colt, Galant (1.6), Galant (2.0), Galant (4D68 2.0L TD, 1996~2000), L200 (2.5 4WD), L200 (4D56 2.5L TD, 1996~2012), L300, Lancer (4D68 2.0L Diesel, 1998~2012), Montero (4D56 2.5L TD, 1990~2009), Pajero (2.4 TD), Pajero (2.5 TD), Pajero Sport (4D56 2.5L TD, 1998~2009), Sapporo (1.6), Sapporo (2.0), Sigma (1.6), Sigma (2.0), Space Gear (2.5)

OEM *ORIGINAL*

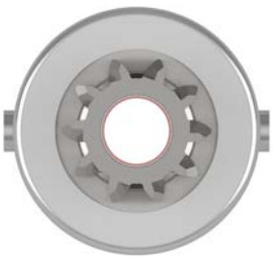
Cargo 231415 | **Krauf** SDI9171, SDM6415 | **Mazda** RF5C18X25 | **Mitsubishi** M191T68471, M191X68471, MD619204 | **WAI** 548344 | **Woodauto** SDV3900

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M002T87371, M002T87971, M002T88071, M002T88271, M2T87371, M2T87971, M2T88071, M2T88271

99.1037.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.8), Berlingo (1.8 D), Evasion (1.8), Evasion (2.0), Evasion (2.0 Turbo), Jumper (2.0), Picasso (1.8 16v), Picasso (1.9), Picasso (2.0i), Picasso (ZX 1.6), Xantia (1.6), Xantia (1.8 8v), Xantia (16v), Xantia (2.0 8v), Xantia (2.0 CT Turbo), Xantia (2.0 HDI), XM (2.0 CT Turbo), XM (2.0i), Xsara (1.8), Xsara (1.8 16v), Xsara (2.0 16v), Xsara (2.0 16v VTS) **|** **Mercedes-Benz** 406 (1.6), 406 (1.8 16v), 406 (2.0 16v), 406 (2.0 Turbo), Classe A / A Class (160 CDI), Classe A / A Class (170 CDI), E 250 (TD-210-BG, GR, H, I, IS, HR, P, SLO, TR), E 250 (TD-210-i), E 259 (Turbo-210), Sprinter 208 (D), Sprinter 210 (D), Sprinter 212 (D), Sprinter 308 (D), Sprinter 312 (D), Sprinter 408 (D), Sprinter 410 (D), Sprinter 412 (D) **|** **Peugeot** 306 (1.8), 306 (2.0), 405 (1.6 GL), 405 (1.8i), 405 (1.9 GR), 405 (2.0i), 405 (SRi), 605 (2.0), 806 (2.0), 806 (2.0 Turbo), Boxer (2.0), Expert (1.8), Partner (1.8) **|** **Renault** Clio (1.9 Diesel), Megane (1.9 D), R19 (1.9 D), Safrane (2.2i) **|** **Ssangyong** Especial / Special

OEM *ORIGINAL*

Bosch F005M10053

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108183, 0001108217, 0001108218, 0001109014, 0001109036, 0001110112, 0001115001, 0001115008

99.1038.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 1215 C, 1517 (1996→), 712 C, 817 (1996→), 914 (2000), 915, Atego (1998→), Axor (1998→), Citaro (1998→), Econic (1998→), L1218, L1418, L1618 (M), L1622, L2423 **|** **New Holland** Trator / Tractor

OEM *ORIGINAL*

Bosch 6033AD0442, 6033AD0462, 6033AD3006, 6033AD3108, 6033AD3111, 6033AD3244, 6033AD3850, 6033AD4034, 6033AD4118, 6033AD4148, 9002336236 | **Cargo** 139056, 333202 | **KHD** 1319755, 1319806, 1340081 | **Mercedes-Benz** 0011511813, 0011513213, 0011514113, 0011514813 | **Same** 01035661 | **WAI** 54911301

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001230001, 0001230006, 0001230012, 0001230013, 0001231002, 0001231003, 0001231005, 0001231018, 0001231033

99.1043.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**18**
2T Dois Dentes	**-**
G Ø Externo do Dente	**13.25**
IG Ø Interno do Dente	**11.95**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**123.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9495.0 / Uses 99.9495.0 BZM Pinion / Utiliza Piñion BZM 99.9495.0 | **Fiat Iveco** Motor BF4L1011 (2.71L 2732cc, 1995~2003), Motor F2L1011 (1.4L 1366cc, 1996~2004), Motor F3L1011 (2.0L 2049cc, 1996~2002), Motor F3L1011 (2.0L 2049cc, 2003~2004), Motor F4L1011 (2.7L 2732cc, 1996~2004)

OEM *ORIGINAL*

Citroën 95562677 | **Mitsubishi** M357T70171, M357T70771, M357T707971, MD607540, MM502531 | **Nissan** 23354N5912

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M1T50471, M2T50181, M2T50481, M2T50485, M2T52181, M2T52681, M2T52881, M2T52882, M2T53083, M2T53181, M2T53781, M2T53785, M2T54085, M2T58581, MD099673, MM115518 | **Nissan** 2330018C70, 23300H9112, 23300N5911, 23300W1011, 23300W7011

99.1046.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.50**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**143.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12812.0 / Uses 99.12812.0 BZM Pinion / Utiliza Piñion BZM 99.12812.0 | **Mitsubishi** E2500 (Diesel XA), E3000, Fuso Canter (4DRS, 1984~1988), Fuso Canter 20 (4D31T, 1987), Fuso Canter 30 (4D31T,

1987), Fuso Canter 31 (4D30, 1998), Fuso Canter 32 (4D30, 1998), Fuso Canter 33 (4D30, 1998), Fuso Canter 35 (4D31T, 1987), Fuso Canter 3600 (4D30, 1998), Light Bus (HA), Pá Carregadeira / Wheel Loader / Pala Cargadora S4E | **Nissan-Datsun** Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

Mitsubishi M357T72671, M357T72672, M357X72672, M357X85273, ME700972

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi 232415, M2T55271, M2T56471, M2T56472, M2T57881, M2T61771, M2T65271, M2T65272, M2T67881, M2T67882, M2T67883, M2T69081, M2T72871, M2T74371, M2T78381, M2T78481, M2T78482

99.1047.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.50**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**136.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12812.0 / Uses 99.12812.0 BZM Pinion / Utiliza Piñion BZM 99.12812.0 | **Mitsubishi** L200 (1997), Pajero (2.3 TD), Pajero (2.5 TD)

OEM *ORIGINAL*

Mitsubishi M357T75571, MD607791

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T56181, M2T56182, M2T56185, M2T56271, M2T57771, M2T74171, MD069166, MD070934, MD084414, MD164975, MD164976

99.1048.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.30**
L Comprimento	**45.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Tico | **General Motors/Chevrolet** Spark | **Kia** Rio (02/2005), Spectra (1.6)

OEM *ORIGINAL*

Cargo 231789, 231789Z | **Daewoo** 3120A78B00, 361392X000, 93740802, 93740993, 93740994, 93742471, 93742959 | **Hyundai** 3613926850, 361392X000, 361392Y100 | **Kia** 3613926850, 361392X000, 361392Y100

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Daewoo 341100A78B00

99.1054.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Pride

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi MB30118X45

99.1056.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**15.80**
IS Ø Interno da Estria	**13.60**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Autobianchi Especial / Special | **Citroën** Especial / Special | **Fiat** Especial / Special | **Lancia** Especial / Special | **Opel** Especial / Special | **Peugeot** Especial / Special | **Renault** Especial / Special | **Seat** Especial / Special | **Talbot** Especial / Special | **Vauxhall** Especial / Special | **Volvo** Especial / Special | **Zastava** Especial / Special

OEM *ORIGINAL*

Iskra 16900089

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130029, 11130102, 11130162, 11130166, 11130217, 11130218, 11130219, 11130234, 11130266

99.1057.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz C 200 (2.0 55kW Diesel, 03/1993~08/1995), C 200 (2.0 65kW Diesel, 09/1996→), C 200 (TD 2.2 70kW, 05/1996→), C 220 (2.2 70kW Diesel, 08/1993→), C 250 (TD 2.5 110kW, 09/1995→), E 200 (2.0 65kW Diesel, 03/1997→), E 220 (2.2 70kW Diesel, 06/1995→), E 250 (2.5 83kW Diesel, 06/1995→), E 250 (TD 2.5 83kW, 05/1996→), E 290 (TD 2.9 95kW, 01/1996→), E 290 (TD 2.9 95kW, 05/1996→), Sprinter 208 (2.3 58kW Diesel, 02/1995→), Sprinter 208 (2.3 60kW Diesel, 02/1995→), Sprinter 210 (2.9 75kW Diesel, 01/1997→), Sprinter 212 (2.9 90kW Diesel, 02/1995→), Sprinter 308 (2.3 58kW Diesel, 02/1995→), Sprinter 310 (2.9 75kW Diesel, 01/1997→), Sprinter 312 (2.9 90kW Diesel, 02/1995→), Sprinter 408 (2.3 58kW Diesel, 02/1995→), Sprinter 410 (2.9 75kW Diesel, 01/1997→), Sprinter 412 (2.9 90kW Diesel, 02/1995→), V 230 (TD 2.3 72kW, 04/1996→), Vario 512 (2.9 90 kW Diesel, 09/1996→), Vario 612 (2.9 90kW Diesel, 09/1996→), Vario O 812 (2.9 90kW Diesel, 09/1996→)

OEM *ORIGINAL*

Bosch 1006209642 | **Cargo** 138322, 333214 | **Magneti Marelli** 940113020365 | **Stemot** 11642 | **Visnova** 524240

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109014

99.1058.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Clio (1.0 8v), Clio (1.6i), Clio II (1.9 Diesel), Kangoo (1.9 Diesel 48kW, 10/1997→), Megane (1.9 Diesel), R19 (1.9 Diesel), Trafic (1.9 Diesel 47-48kW, 11/1997→)

OEM *ORIGINAL*

Bosch 1006209671 | **Cargo** 230834, 333180 | **WAI** 5491146

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108180, 0001108182, 0001108186

99.1059.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Aifo 8361 05.500 160PS (8.1L, 1980~1983), 8361 25.500 175PS (8.1L, 1980~1983) | **Astra** BM 201 OM-8360.05.200 (8.0L, 1980→), BM 201 OM-8360.05.300 (8.0L, 1979→), BM 44D12R OM-8360.05.200 (8.1L, 1991→) | **Benfra** 10 CH Motor Aifo-8361 / 000 (8.1L, 1982~1983), 10 CH Motor Aifo-8361 / 01 (8.1L, 1984~1985), 9.11 Motor Aifo-8361S / 000 (8.1L, 1985~1987), 9.11 Motor Aifo-8361S / 10.00 (5.9L, 1988~1991), 9.12 Motor Aifo-8361S / 10.00 (5.9L, 1990→), 9.32 Motor Aifo-8361S / 10.00 (5.9L, 1990→) | **Fiat** 110 NC OM-8360.04.200 (6.9L, 1978~1981), 129.16 8360.05.B (8.1L, 1979~1982), 130 CP3 (7.4L, 1979~1982), 130 NC OM-8360.04.300 (6.9L, 1978~1984), 130 NC,NR,NT20 8220.02 (9.6L, 1979~1980), 130 NC14, NT14 OM-8360.04.200 (6.9L, 1978~1984), 150 NC17 OM-8360.03 (8.1L, 1976~1979), 150NC,NT20 8220.02 (9.6L, 1976~1980), 159 17 OM-8360.05.254 (8.1L, 1977~1982), 160 26 8210.02.020 (13.8L, 1980~1982), 50 F10 OM-8340.04.250 (4.6L, 1978~1982), 540 DT 8035.02.302 (2.6L, 1972~1978), 55 F9 8340.04 (4.6L, 1977~1979), 60 F10 OM-8340.04.250 (4.6L, 1979~1982), 65 F10 OM-8340.04.200 (4.6L, 1978~1980), 70 F10 8340.04.250 (4.6L, 1978~1980), 75 F10 8340.04 (4.6L, 1978~1980), 79 F10 OM-8340.04.200 (4.6L, 1979~1982), 79 F10 OM-8340.04.250 (4.6L, 1979~1982) | **Fiat Allis** 645 B 8361.05.500 (8.1L, 1980~1982) | **Valmet** Trator / Tractor

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130124, 11130322

99.1060.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Valmet Valtra

OEM *ORIGINAL*

Cargo 235621, 2665 | **Iskra** 16900151 | **Mahle** MX190

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130076, 11130200, 11130373

99.1062.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**65.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan-Datsun Primera Berlina (2.0 P10)

OEM *ORIGINAL*

Nissan-Datsun 2331293J00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 26813, 26834, 26841 **| Magneti Marelli** 63226834, 63226845, 63226846 **| Nissan-Datsun** 2330070J10, 2330070J11, 2330070J12

99.1063.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Micro Ônibus / Micro Bus / Micro Ómnibus Volare **| General Motors/Chevrolet** S10 (MWM Diesel) **| Renault** Master **| Troller** T4 (MWM, 2000→)

OEM *ORIGINAL*

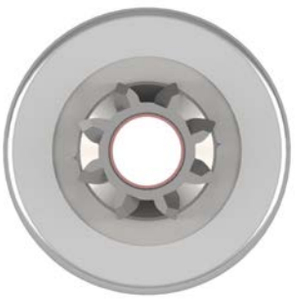
Cargo 231341 **| Ika** 451421 **| Magneti Marelli** 940113020369, AMB0369 **| Mitsubishi** 68971, 93971, M191T68971, M191T93971, M191X68971 **| Stemot** 08024 **| Visnova** 597176

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M002T87671, M002T87771, M002T88771ZA

99.1064.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**23.90**
IG Ø Interno do Dente	**15.70**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**41.00**

Original de 5 estrias, reforçada para 10 estrias

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Logan (1.4 16v), Logan (1.6 16v) | **General Motors/Chevrolet** Celta (1.0), Corsa | **Renault** Clio (1.6 16v), Megane (1.4i 16v), Megane (1.6i 16v), Scenic (2.0 16v, 2003)

OEM *ORIGINAL*

General Motors/Chevrolet 93297293 | **Valeo** 090800, 188440, 494830, SS260300

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 93260358 | **Valeo** BD7E10, D7E10, D7E11, D7E19, D7E22, D7E27, D7E47, D7E48

99.1065.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Especial / Special | **Goldoni** Transcar 23 | **Lamborghini** 10 LD 400.2 | **Mosa** GE 1000, GE 9000, TS 300 | **Ruggerini** MD 150, MD 151, MD 156, MD 159, MD 170, MD 190, MD 95 S, MD 95.0, MD 95.1, MM 150, MM 190, MW 150, MW 151, MW 190, MW 191, RD 210, RD 211, RD 218 | **VM** DM 188

OEM *ORIGINAL*

Bosch 1006209542, 1006209550 | **Cargo** 135164, 232481 | **Krauf** SDB1164, SDB9164 | **Magneti Marelli** 940113020371, AMB0371 | **WAI** 54911009 | **Woodauto** SDV38079

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107058, 0001108050, 0001109028, 0001110018, 0001312108, 0001312109

99.1067.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi 80 (1.9 TD), 80 (D 1.6L), 90 (1.9 D), A4 (1.9 TDI), A6 (1.9 TDI), Avant (1.9 TDI), Quattro (1.9 TDI) | **Volkswagen** Passat (1.9 TDI), Variant (1.9 TDI)

OEM *ORIGINAL*

Bosch 1006209581 | **Cargo** 135715 | **Krauf** SDB1714 | **Volkswagen** 068911335F

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110066, 0001110067

99.1068.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**53.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lada Especial / Special

99.1069.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**81.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6), A3 (1.8), A3 (1.8 Turbo) **|** **Seat** Alhambra (2.0), Cordoba (1.6), Ibiza Cupra Sport (1.8 20v Turbo), Vario (1.6) **|** **Volkswagen** Beetle (2.0), Fox (2003), Golf (1.8), Golf (2.0), Golf 4Motion (1.8), Golf G4 (GTI Turbo 1.8), Golf G4 Variant (2.0), Polo (1.0 16v), Polo (1.6), Polo (2.0)

OEM *ORIGINAL*

Bosch 1006209680, F000AL1100 **|** **Lucas Indiel** 220414

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001121008, 0001121009, 0001121016, 0001121018 **|** **Volkswagen** 02T911023E

99.1070.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**35.20**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Ducato **|** **Ford** Maverick (2.7 D, 1993~1998) **|** **Nissan** Cabstar (2.3 D), Terrano II (2.7 TD), Urvan (2.3 TD), Urvan (2.5 TD)

OEM *ORIGINAL*

Bosch 9002336219, 9002336238, 9002336289, 9003336289 **|** **Cargo** 230336, 333511 **|** **Lucas Indiel** 220415 **|** **Nissan** 23312G2400 **|** **WAI** 5491119

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331201, 9000331203

99.1071.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 124 **|** **Steyr Puch** Especial / Special **|** **Still** Especial / Special

OEM *ORIGINAL*

Bosch 9002336223, 9003336223 | **Cargo** 136787, 333508 | **Magneti Marelli** 940113020376 | **Stemot** 19223 | **Visnova** 524242

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218162, 0001218165

99.1072.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper (2.5 D), Jumper (2.5 TD) | **Fiat** Ducato (2.5 TD) | **Peugeot** 605 (2.5 TD), Boxer (2.5 TD)

OEM *ORIGINAL*

Bosch 9002336224, 9002336287, 9003336287 | **Cargo** 230546 | **Lucas Indiel** 220416 | **Peugeot** 5825C5, 5835C5 | **Stemot** 19224 | **Valeo** 571332 | **Visnova** 524222 | **WAI** 5491143

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218157, 9000331414

99.1073.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale 5000 (D), 6150, 7000 (D), 7500 (TD), BX 100, BX 130, BX 4100, BX 4110, BX 4130, BX 4150, BX 490 | **Case** Escavadeira / Excavator / Excavadora 80 CR, Escavadeira / Excavator / Excavadora 80 P, Escavadeira / Excavator / Excavadora LC 80, Escavadeira / Excavator / Excavadora LY 80, Pá Carregadeira / Wheel Loader / Pala Cargadora 221, Pá Carregadeira / Wheel Loader / Pala Cargadora 321, Pá Carregadeira / Wheel Loader / Pala Cargadora 431, Pá Carregadeira / Wheel Loader / Pala Cargadora 531, Pá Carregadeira / Wheel Loader / Pala Cargadora 644, Pá Carregadeira / Wheel Loader / Pala Cargadora 724, Pá Carregadeira / Wheel Loader / Pala Cargadora 744, Pá Carregadeira / Wheel Loader / Pala Cargadora 844, Trator / Tractor H30B, Trator / Tractor H50B, Trator / Tractor H60B | **CBT** 8440 | **Claas** Consul (3.8), Dominator (5.7), Mercator (5.7) | **Fiat Allis** FB 80 | **Lamborghini** Especial / Special |

Mercedes-Benz 1000, 1013, 1013A, 1013S, 1017, 1100, 1213, 1217, 1250, 1300 (T), 1313, 1350, 1400 (Turbo), 1413, 1417, 1450, 1500, 1513, 1550, 1600 (Turbo), 1613, 1617, 1650, 1700, 1750, 1819, 2100, 2150, 54403, 608, 66403, 709, 72403, 80406, 808, 809, 813, 90416, 911, 913, 95424, L1113B, L508 (D), L608 (D), LKO1113B, LP1013, LP1113, LPK1113, LPS1113B, O 309, OF1113 | **Puma** 914 (4.0) | **Same** Especial / Special | **SLC** 7700 (Turbo) | **Valmet** 110 (225-6 5.7), 118 (D229-6 5.9), 118 (PID A 229-6 TV ALC. 5.9), 128 (4x4 D 229-6 VS), 128 (4x4 PID A 229-6 Álcool / Alcool), 128 (D229-6 VS 5.9), Valtra 785 | **Volkswagen** 11130, 13130, 690, 7110, 790

OEM *ORIGINAL*

Iskra 16901658

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130229, 11130254, 11130407, 11130409, 11130412, 11130484, 11130491, 11130823, 11130824, 11131651, AZJ3118, AZJ3449, AZJ3548

99.1073.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.50**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.1073.0/Same as 99.1073.0 BZM/Igual que BZM 99.1073.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale 5000 (D), 6150, 7000 (D), 7500 (TD), BX 100, BX 130, BX 4100, BX 4110, BX 4130, BX 4150, BX 490 | **Case** Escavadeira / Excavator / Excavadora 80 CR, Escavadeira / Excavator / Excavadora 80 P, Escavadeira / Excavator / Excavadora LC 80, Escavadeira / Excavator / Excavadora LY 80, Pá Carregadeira / Wheel Loader / Pala Cargadora 221, Pá Carregadeira / Wheel Loader / Pala Cargadora 321, Pá Carregadeira / Wheel Loader / Pala Cargadora 431, Pá Carregadeira / Wheel Loader / Pala Cargadora 531, Pá Carregadeira / Wheel Loader / Pala Cargadora 644, Pá Carregadeira / Wheel Loader / Pala Cargadora 724, Pá Carregadeira / Wheel Loader / Pala Cargadora 744, Pá Carregadeira / Wheel Loader / Pala Cargadora 844, Trator / Tractor H30B, Trator / Tractor H50B, Trator / Tractor H60B | **CBT** 8440 | **Claas** Consul (3.8), Dominator (5.7), Mercator (5.7) | **Fiat Allis** FB 80 | **Lamborghini** Especial / Special | **Mercedes-Benz** 1000, 1013, 1013A, 1013S, 1017, 1100, 1213, 1217, 1250, 1300 (T), 1313, 1350, 1400 (Turbo), 1413, 1417, 1450, 1500, 1513, 1550, 1600 (Turbo), 1613, 1617, 1650, 1700, 1750, 1819, 2100, 2150, 54403, 608, 66403, 709, 72403, 80406, 808, 809, 813, 90416, 911, 913, 95424, L1113B, L508 (D), L608 (D), LKO1113B, LP1013, LP1113, LPK1113, LPS1113B, O 309, OF1113 | **Puma** 914 (4.0) | **Same** Especial / Special | **SLC** 7700 (Turbo) | **Valmet** 110 (225-6 5.7), 118 (D229-6 5.9), 118 (PID A 229-6 TV ALC. 5.9), 128 (4x4 D 229-6 VS), 128 (4x4 PID A 229-6 Álcool / Alcool), 128 (D229-6 VS 5.9), Valtra 785 | **Volkswagen** 11130, 13130, 690, 7110, 790

OEM *ORIGINAL*

Iskra 16901658

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130229, 11130254, 11130407, 11130409, 11130412, 11130484, 11130491, 11130823, 11130824, 11131651, AZJ3118, AZJ3449, AZJ3548

99.1074.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën AX (1.5 D), Saxo (1.5 D), Xsara ZX D, ZX (1.9 D) | **Ford** Fiesta IV (1.8 DI), Focus (1.8 Turbo DI), Focus (1.8 Turbo TDDI) | **Peugeot** 106 (1.4 D), 106 (1.5 D) | **Rover** 114 D, 115 D | **Tatra** Pick-up (2.0 TD), Safari (2.0 TD), Sport (2.0 TD)

OEM *ORIGINAL*

Cargo 135084 | **Magneti Marelli** AMB0379 | **Valeo** 185290, 188256, 594136, 594368, NE831 | **WAI** 54-9445

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7R1, D7R11, D7R15, D7R2, D7R24, D7R3, D7R33, D7R4

99.1076.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Mueller Vibro RT 62, 83 (Motor MWM 229-4), MWM D 229-4, MWM D 229-6, MWM D229-3, MWM TD 229-6, Serie 1800D (Motor MWM 229-3), Serie TX 1600 (Motor MWM 229-3), TBD 229-EC-6 | **Bautz** Especial / Special | **Carraro** Especial / Special | **Eicher** Especial / Special | **Fendt** Especial / Special | **Lamborghini** Especial / Special | **Lombardini** Especial / Special | **Mercedes-Benz** Especial / Special | **SLC** D 229-3, D 229-4, D 229-6, TBD 229-EC-6, TD 229-6 | **Valmet** 110ID (Motor MWM D 225-3), 110ID (Motor MWM D 225-4), 110ID (Motor MWM D 225-6), 62ID (Motor MWM D 225-3), 62ID (Motor MWM D 225-4), 62ID (Motor MWM D 225-6), 65ID (Motor MWM D 225-3), 65ID (Motor MWM D 225-4), 65ID (Motor MWM D 225-6), 685 (Motor MWM D 225-3), 685 (Motor MWM D 225-4), 685 (Motor MWM D 225-6), 85ID (Motor MWM D 225-3), 85ID (Motor MWM D 225-4), 85ID (Motor MWM D 225-6)

OEM *ORIGINAL*

Bosch 2006208011, 2006209022, 2006209030, 2006209183, 2006209900, 9001083444

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354006, 0001354012, 0001354021, 0001354025, 0001354041, 0001354048, 0001354055, 0001354068, 0001354085, 0001354087, 0001355009, 9000083015

99.1081.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12/44**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.20/64.70**
IG Ø Interno do Dente	**27.10/58.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**16.80**
L Comprimento	**92.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250 Heavy Duty, F350 Heavy Duty, LT Trucks E-Series Vans (7.3L Diesel), LT Trucks Excursion (7.3L Diesel)

OEM *ORIGINAL*

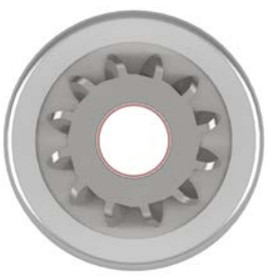
Visteon 1C3U11350AB

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Visteon 1C3U11000AA, 1C3U11000AB, 1C3U11000AC, 1C3U11000AD, 1C3U11000AE, 1C3Z11002AA, 2C2411000AA

99.1082.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

Original de 6 estrias, reforçada para 12 EstriasOriginal 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F350 Heavy Duty (1998→), F450 Heavy Duty (1998→)

OEM *ORIGINAL*

Delco Remy 10452929

99.1088.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**56.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lada Samara (1.1), Samara (1.3), Samara (1.5) **|** **Volkswagen** Caddy, Golf I, Jetta I, Transporter (1981)

OEM *ORIGINAL*

Iskra 16900035 **|** **Krauf** SDI088 **|** **Visnova** 495284

99.1090.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250 (Cummins ISBe 4), F350 (Cummins B Aftercooler 3.9), F4000 (Cummins B Aftercooler 3.9) **|** **John Deere** Trator / Tractor 5600 **|** **Volkswagen** Caminhão / Truck / Camión 13180 (MWM), Caminhão / Truck / Camión 17210

OEM *ORIGINAL*

Lucas Indiel 229873, 35259873

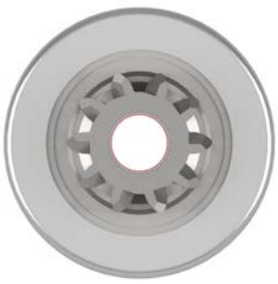
MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259580, 35259620, 35259630, 35259640, 35259660, 35259870, 35262634

IMPULSORES DE PARTIDA

99.1090.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

99.1091.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión 13190 (Motor MWM), Caminhão / Truck / Camión 15190 (Motor MWM), Caminhão / Truck / Camión 17210 (Motor MWM), Ônibus / Bus / Ómnibus 17210 (Motor MWM)

OEM *ORIGINAL*

Lucas Indiel 229773, 35261302

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259430, 35259760, 35261360 **| Volkswagen** 2T0911335

99.1092.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión (Motor MWM), Ônibus / Bus / Ómnibus 16210 (Motor MWM), Ônibus / Bus /

Ómnibus 17210 (Motor MWM), Ônibus / Bus / Ómnibus 17220 (Motor MWM) | **Volvo** VM17 (Motor MWM), VM23 (Motor MWM)

OEM *ORIGINAL*

Krauf SDP3026 | **Lucas Indiel** 2W0911335, 35260932, 35261303 | **Prestolite** 2605089, 2605100, 35260932, 35261303

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35259440, 35259770

99.1097.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10/40**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80/53.60**
IG Ø Interno do Dente	**25.04/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Camry (2.0 D Turbo), Corolla (1.8 D), Corolla (2.0 D), Hilux SW4 (3.0), Land Cruiser (3.0 TD), Land Cruiser (D-4D), LiteAce (2.0 D)

OEM *ORIGINAL*

Nippondenso 0283001970, 0283004011, 0283004081, 0283004082 | **Thermo King** 2801167030 | **Toyota** 2801164010, 2801164030, 2801167030

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280008451, 1280000930, 1280005350, 1280008980, 1280009550, 2280000200, 2280000460, 2280000880, 2280001850, 2280003640, 2280003680, 2280004980, 2280005020, 2280005021, 2280005022, 2280005023, 2810067050

99.1098.0





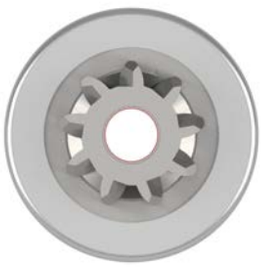
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**22.50**
IS Ø Interno da Estria	**20.00**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hino Basculante / Tipper Truck FF, Caminhão / Truck / Camión FB

99.1104.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Croma (D), Croma (DT) | **Lancia** Thema (D), Thema (DT)

OEM *ORIGINAL*

Magneti Marelli 74896851, 85540141

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63222001, 63222031, 63222039, 63222136

99.1107.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**38.80**
IG Ø Interno do Dente	**25.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Avensis (2.0 TD)

OEM *ORIGINAL*

Bosch 1006209669

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109034 | **Toyota** 281000B020

99.1108.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6), A3 (1.8T), TT | **Seat** Alhambra (1.8T), Alhambra (2.0), Cordoba (1.6), Cordoba (1.8), Cordoba (2.0), Ibiza (1.6), Leon (1.4), Leon (1.6), Leon (1.8), Leon (1.8T), Toledo (1.4), Toledo (1.6), Toledo (1.8) | **Skoda** Octavia (1.6), Octavia (1.8), Octavia (1.8T), Octavia (2.0) | **Volkswagen** Bora (1.6), Bora (2.0), Golf G4 (1.4), Golf G4 (1.6), Golf G4 (1.8), Golf G4 (1.8 GTI), Golf G4 (1.8 GTI Turbo), Golf G4 (2.0), Golf G4 (2.0 Variant), New Beetle (1.8), New Beetle (2.0), Polo (1.6), Polo (1.8), Sharan (1.8T), Sharan (2.0), Transporter (2.0)

OEM *ORIGINAL*

Bosch 1000AL1086, 1006209657, 1006209757, 1007010105, F000AL1086 | **Cargo** 230339, 333200 | **Volkswagen** 020911335E, 047911335E | **WAI** 54911041

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001121006, 0001121007, 0001121010, 0001121011

99.1109.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Opel Astra, Astra G (16v), Astra G (2.0 DI), Astra G (2.2 DTI), Astra G (DTI), Frontera, Frontera B (2.0), Frontera B (2.2 DTI), Omega B (2.0), Omega B (2.2 DTI), Omega B (DTH), Signum (2.0), Signum (2.2 DTI), Sintra (2.2 DTI), Vauxhall, Vectra, Vectra (2.0), Vectra (2.2 DI), Vectra (DTH 16v), Vectra (DTI), Vectra (DTL 16v), Zafira (2.0), Zafira (2.2 DI), Zafira (DTI) | **Saab** 9-3 (2.2 16v TD) | **Vauxhall** Omega (2.0), Omega (2.2 DTH), Vectra (2.0), Vectra (2.2 DTH), Vectra (DTL), Zafira (1.6), Zafira (2.0), Zafira (2.2 DI), Zafira (DTI)

OEM *ORIGINAL*

Bosch 1006209637 | **Lucas Indiel** 220418

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109015, 0001109052, 0001109062, 0001109068

99.1111.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**10.20**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kaeble Especial / Special **|** **MAN** Caminhão / Truck / Camión **|** **Mercedes-Benz** Especial / Special **|** **MWM** Especial / Special

OEM *ORIGINAL*

Bosch 2006382060 **|** **Mercedes-Benz** 0001516513, A0001516513

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001510020, 0001510025, 0001510031, 0001510032, 0001510037, 0001510038, 0001510041

99.1112.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.62**
G Ø Externo do Dente	**36.20**
IG Ø Interno do Dente	**22.55**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 1418R (OM 364 12v), 1418R (OM 366 12v), 1720 (OM 364 12v), 1720 (OM 366 12v), 1720K (OM 364 12v), 1720K (OM 366 12v), 710 (OM 364 12v), 710 (OM 366 12v), L1620 (OM 364 12v), L1620 (OM 366 12v), LO 814 (OM 364 12v), LO 814 (OM 366 12v), OF 1721 (OM 364 12v), OF 1721 (OM 366 12v), OH 1420 (OM 364 12v), OH 1420 (OM 366 12v), OH 1621L (OM 364 12v), OH 1621L (OM 366 12v), OH 1623 (OM 364 12v), OH 1623 (OM 366 12v) **|** **TCM Equipment Ag** Motor 28MT (12v), Motor 28MT (24v)

OEM *ORIGINAL*

Delco Remy 10484659, 10524228

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479645, 10479651, 10479652 **| Mercedes-Benz** A0051518301

99.1113.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.00**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.10**
L Comprimento	**50.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Marea (2.4 20v), Stilo

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63111005, 63111006, 63111007, 63111010, 63223537, 63223730, 63293537

99.1117.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 145 (1.9 TD), 146 (1.9 TD), 155 (1.9 TD) **| Fiat** Ducato (D), Ducato (TD), Regata (TD), Ritmo (TD), Talento (D), Tempra (TD), Tipo (TD) **| Lancia** Dedra (TD), Delta (TD), Prisma (TD)

OEM *ORIGINAL*

Cargo 132818 **| Fiat** 9941371 **| Lucas Indiel** 220419 **| Magneti Marelli** 74896591, 85540431, 85540451

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63222000, 63222004, 63222030, 63222034, 63222038, 63222130, 63222134, 63222135, 63222138

99.1133.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caddy (Diesel), Gol, Senda Saveiro

OEM *ORIGINAL*

Lucas Indiel 220270

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258740

99.1134.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Duna (1.7 Diesel), Fiorino (1.7 Diesel), Palio (1.7 Turbo Diesel), Siena (1.7 Turbo Diesel), Uno (1.7 Diesel) | **Ford** Pick-Up (EUA / USA) (4.9), Pick-Up (EUA / USA) (5.8), Tiger Tug (EUA / USA) (Cummins) | **Renault** 19 (1.7), 19 (1.8), Clio (1.4), Clio (F8Q 1.9 Diesel), Express (F8Q 1.9 Diesel), Megane (2.0), R19 (1.7), R19 (1.8), R19 (F8Q 1.9 Diesel)

OEM *ORIGINAL*

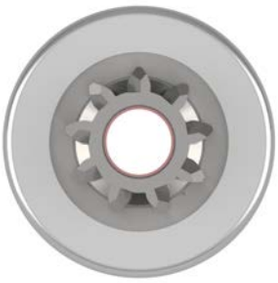
Lucas Indiel 220210, 35260210

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258400, 35258420, 35258460, 35258560, 35258720, 35258840, M74R

99.1152.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.40**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**43.00**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estríasOriginal 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën AX, BX | **Peugeot** 106, 205, 309, 405 | **Renault** Clio II

OEM *ORIGINAL*

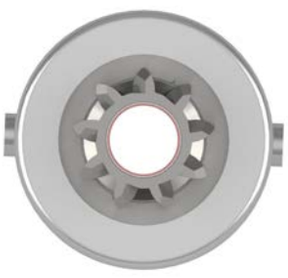
Valeo 187428

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7E2

99.1153.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Sandero (1.2 16v) | **Nissan** Kubistar (1.2 16v) | **Renault** Clio (1.2i), Clio II (1.2i), Kangoo (1.2i), Modus (1.2 16v), Thalia (1.2 16v), Twingo (1.2i)

OEM *ORIGINAL*

Bosch 1006209704 | **Cargo** 231896, 333210 | **Lucas Indiel** 220421 | **Renault** 7701047291 | **WAI** 5491156 | **Woodauto** SDV38189

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001116001

99.1155.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Avensis (2.0 TD), Corolla (2.0 Diesel)

OEM *ORIGINAL*

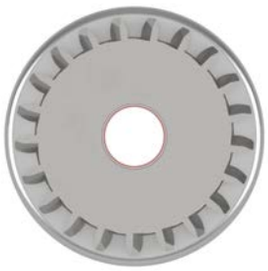
Bosch 1006209656 | **Cargo** 233828, 333193 | **Toyota** 280110G010 | **WAI** 5491131

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109031, F000AL0108

99.1156.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**21**
2T Dois Dentes	**10.05**
G Ø Externo do Dente	**49.70**
IG Ø Interno do Dente	**40.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier (1.3), Fiesta (1.0), Fiesta (1.3), Ka (1.3), Ka II (1.3), Ka III (1.3)

OEM *ORIGINAL*

Bosch 1006209652 | **Cargo** 137891, 137891Z | **Krauf** SDB1891 | **WAI** 5491171 | **Woodauto** SDV38161

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107059, 0001107082 | **Ford** 97KB11000AA, 97KB11000AB, 97KB11000AC

99.1157.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Eurocargo 100, Eurocargo 130, Eurocargo 135, Eurocargo 170, Eurocargo 175, Eurocargo 180, Eurocargo 75, Eurocargo 80, Eurocargo 95 | **New Holland** Trator / Tractor TL 100, Trator / Tractor TL 70, Trator / Tractor TL 75 E, Trator / Tractor TL 80, Trator / Tractor TL 90

OEM *ORIGINAL*

Bosch 6003AD3104, 6033AD0148, 6033AD3104, 6033AD3120, 6033AD3130, 6033AD4141 | **Cargo** 233837, 333219 | **Iveco** 9971882 | **Magneti Marelli** 940113020391, AMB0391 | **Prestolite** 861234 | **Stemot** 13148 | **Visnova** 524293 | **WAI** 5491159

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001230007, 0001230009, 0001230010, 0001231010, 0001231011

99.1158.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Daily II

OEM *ORIGINAL*

Bosch 6033AD0077, 6033AD1002

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223003, 0001223007, 0001223024

99.1159.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Berliet 400, 450, 480, 500, 530, 550, 560 | **Fiat** Ducato | **MAN** 11.136 H, 11.136 HAK, 11.136 HK, 11.136 HS, 11.136 U, 13.136 U | **Renault** 110.150, 110.170, 110.50, 210 Midlum (DCI 6AE Euro 3), 75.130, 80, 85.150, 95.130, C 230, CCH 300, CLR 230, G 170, G 200, GB 131, JE 13, JN 60, JN 75, JN 85, JN 90, JN 95, JP 11, JP 13, JP 14, JR 21, JX 21, M140, M150, M160, M180, M200, M210, M230, M250, ME 160, ME 180, Midlum 135, Midlum 150, Midlum 180, Midlum 210, Midlum 250, Premium 210, Premium 250, S100, S130, S140, S150, S160, S170, S180, S210, SM8 | **Saviem** E7C, JN 75, JN 85, JN 90, JP 11, JP 13, SC 50, SM6, SM7, SM8

OEM *ORIGINAL*

Bosch 6033AD0184, 6033AD0200, 6033AD3334, 9002336237 | **Cargo** 231756 | **DAF** 1382550

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001230004, 0001230008, 0001231001, 0001231009, 0001231012, 0001231016, 0001231026, 0001231027, 0001231039

99.1160.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volvo FM (1998), FM 7.250, FM 7.290, FM 7.310

OEM *ORIGINAL*

Bosch 6033AD0129, 6033AD4243 | **Cargo** 233722, 333500 | **Krauf** SDB1722 | **Magneti Marelli** 940113020394, AMB0394 | **Prestolite** 861207 | **Stemot** 13129 | **Visnova** 624200 | **Volvo** 3099583 | **WAI** 5491157

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001231004

99.1162.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Laguna (D), Laguna (RN), Laguna (RT), Laguna (RXE)

OEM *ORIGINAL*

Valeo 186321, 594251, NE885

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D9R142, ND161

99.1168.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**36.30**
IG Ø Interno do Dente	**24.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Blazer (Diesel) **| Nissan** Frontier (MWM)

OEM *ORIGINAL*

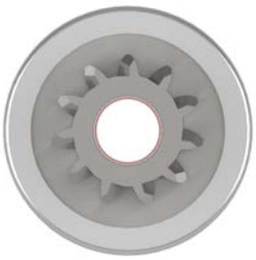
Bosch 1006209778, F000AL1709 **| Lucas Indiel** 220423

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0105, F000AL0107, F000AL0112

99.1169.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.10**
L Comprimento	**51.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 145 (1.4 16v), 146 (1.4 16v) | **Fiat** Brava (1.6), Bravo (1.6), Marea (1.6), Multipla, Palio, Siena, Strada | **Lancia** Nuova Delta

OEM *ORIGINAL*

Cargo 139901 | **Fiat** 9947754 | **Krauf** SDE5901, SDE5901HS, SDE9901 | **Lucas** 085541250010, 085541680010 | **Lucas Indiel** 220424 | **Magneti Marelli** 85541250, 85541680, 85541690

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 46451529, 46740241 | **Magneti Marelli** 63111008, 63111009, 63111027, 63112003, 63113003

99.1170.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**38.80**
IG Ø Interno do Dente	**25.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Camry (1991~1996), Carina (1992~1996), Corolla (Diesel, 1993~1995), Corona

OEM *ORIGINAL*

Bosch 9002336225 | **Cargo** 139458 | **Krauf** SDB9458 | **Lucas Indiel** 220425 | **Magneti Marelli** 940113020397, AMB0397 | **Toyota** 280110B010 | **Woodauto** SDV38109

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218166

99.1171.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (1.8L Diesel, 1989~1996), Fiesta (1.8L Diesel, 1989~1996), Orion (1.8L Diesel, 1989~1996)

OEM *ORIGINAL*

Bosch 9002336200, 9002336205

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218105, 0001218128

99.1172.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**28.80**
IG Ø Interno do Dente	**19.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**54.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Express (1.6L, a Diesel, 1986~1997), Extra (1.6L, a Diesel, 1986~1997), Rapid (1.6L, a Diesel, 1986~1997)

OEM *ORIGINAL*

Bosch 9003336286

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331411

99.1173.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**35.20**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Trade (2.0L Diesel, 1984~1998), Vanette (2.0L Diesel, 1984~1998)

OEM *ORIGINAL*

Bosch 9003336290

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331421, 9000331424, 9000331428

99.1174.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**35.20**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**54.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Ebro, Nissan Trucks (1985~2000), Van

OEM *ORIGINAL*

Bosch 9003331430, 9003336274

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000331406

99.1175.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.05**
G Ø Externo do Dente	**29.30**
IG Ø Interno do Dente	**20.30**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.30**
IS Ø Interno da Estria	**16.80**
L Comprimento	**73.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volga Motor 402

OEM *ORIGINAL*

Magneti Marelli AMB0453 | **Volga** 42113708600

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Volga 4216370801

99.1176.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**24.90**
IG Ø Interno do Dente	**16.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.30**
IS Ø Interno da Estria	**16.80**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volga Motor 406

OEM *ORIGINAL*

Volga 4211370860008, 4216370807

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Volga 4216370807, 60123708000

99.1177.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol G3 (1.6), Parati G3 (1.6), Saveiro G3 (1.6)

OEM *ORIGINAL*

Bosch F000AL1306, F000AL1694

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0400

99.1178.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**84.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

MAN Europe Bus, Lions City (D0836 6.9L DSL, 2004~2006), Lions Classic (D0836 6.9L DSL, 2003~2006)

OEM *ORIGINAL*

Bosch 6033AD0243, 6033AD0306, 9006033136, 9006033306 | **Cargo** 234087, 333218 | **Magneti Marelli** 940113020403 | **MAN** 51262130003 | **Prestolite** 861231 | **Stemot** 13306 | **Visnova** 624207 | **WAI** 5491120

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001231008 | **MAN** 51262017158

99.1179.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

DAF CF 75250 (9.2, 2001~2007), CF 75310 (9.2, 2001~2007), CF 75360 (9.2, 2001~2007) **| Volvo** FL 180, FL 220, FL 250

OEM *ORIGINAL*

Bosch 6033AD0250, 6033AD0304, 6033AD0467

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001231013, 0001231014, 0001231036, 0001231040, 0001231041 **| DAF** 1346162

99.1180.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**70.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Empilhadeira / Forklift / Apiladora Still, Unimong S 404, Unimong U650

OEM *ORIGINAL*

Bosch 2006209478, 2006209501 **| Mercedes-Benz** 0001517913, 0001519701, 0001519713

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001363106, 0001363119, 0001363120

99.1181.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**42.40**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**61.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

DAF F2800, F3200

OEM *ORIGINAL*

Bosch 2006382174, 2006383160

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001410067, 0001410068, 0001410116, 0001415020

99.1187.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën BX16, C25, CX (2.0) | **Peugeot** 309, 405, 504, 505, J5, J7 | **Renault** Fuego, Master, R11, R18, R20, R21, R25, R4, R5, R9, Trafic

OEM *ORIGINAL*

Paris Rhone 99931

99.1189.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**68.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet C10 (V8 5.0L 305cid, 1984~1985), C10 Suburban (V8 5.0L 305cd, 1984~1985), C20 (V8 5.0L 305cid, 1984~1985), C20 Suburban (V8 5.0L 305cid, 1984~1985), C2500 (V6 4.3L 262cid, 1988~1989), Camaro (V6 2.8L 173cid, 1984~1989), Camaro (V6 3.1L 189cid, 1990), K10 (V8 5.0L 305cid, 1984~1985), K10 Suburban (V8 5.0L 305cid, 1984~1985), K1500 (V6 4.3L 262cid, 1988~1989), K20 (V8 5.0L 305cid, 1985), K20 Suburban (V8 5.0L 305cid, 1985), K2500 (V6 4.3L 262cid, 1988~1989), K5 Blazer (V8 5.0L 305cid, 1984~1985), S10 Blazer (V6 2.8L 173cid, 1984~1989), S10 Blazer (V6 4.3L 262cid, 1988~1990), S10 Pick Up (V6 2.8L 173cid, 1984~1993) | **GMC** C1500 (V6 4.3L 262cid, 1988~1989), C1500 (V8 5.0L 305cid, 1984~1985), C1500 Suburban (V8 5.0L 305cid, 1984~1985), C2500 (V6 4.3L 262cid, 1988~1989), C2500 (V8 5.0L 305cid, 1984~1985), C2500 Suburban (V8 5.0L 305cid, 1984~1985), Jimmy (V8 5.0L 305cid, 1984~1985), K1500 (V6 4.3L 262cid, 1988~1989), K1500 (V8 5.0L 305cid, 1984~1985), K1500 Suburban (V8 5.0L 305cid, 1984~1985), K2500 (V6 4.3L 262cid, 1988~1989), S15 Jimmy (V6 2.8L 173cid, 1984~1989), S15 Jimmy (V6 4.3L 262cid, 1988~1990), S15 Pick Up (6 cil / cyl 2.8L 173cid, 1984~1990), S15 Pick Up (6 cil / cyl 4.3L 262cid, 1988~1990), Sonoma (V6 2.8L 173cid, 1991~1993) | **Isuzu** Rodeo (V6 3.1L 3137cc, 1991~1992) | **JEEP** Cherokee (V6 2.8L 173cid, 1984~1986), Comanche (V6 2.8L 173cid, 1986), Wagoneer (V6 2.8L 173cid, 1984~1986) | **Pontiac** Firebird (V6 2.8L 173cid, 1984~1989), Firebird (V6 3.1L 189cid, 1990)

OEM *ORIGINAL*

Bosch 1987BE0036 | **Delco Remy** 1984511, D2032 | **Lester** 6317, 6339, 6413

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

American 89530020124 | **Isuzu** 8104550190 | **JEEP** 8982775013

99.1190.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.40**
IG Ø Interno do Dente	**28.70**
ID Ø da Bucha	**15.95/20.65**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**118.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Motor Serie C | **Ford** Caminhão / Truck / Camión 1519 (7.8L), Caminhão / Truck / Camión 1521 (7.8L), Caminhão / Truck / Camión 1621 (7.8L), Caminhão / Truck / Camión 2318 (7.8L), Caminhão / Truck / Camión 2321 (7.8L), Caminhão / Truck / Camión 3021 (7.8L), Caminhão / Truck / Camión 3323 (7.8L), Caminhão / Truck / Camión Cargo CF 7000 | **Müeller** Compactador / Compactor (Cummins Série C) | **New Holland** HTA7, HTA8, TC7, TC8, TCP7, TCP8 | **Volkswagen** Caminhão / Truck / Camión 13.210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión

14.170 (CUM-6 CT 8.3L), Caminhão / Truck / Camión 14210 (CUM-6 CT 8.3L), Caminhão / Truck / Camión 14210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 16.170 (CUM-6 CT 8.3L), Caminhão / Truck / Camión 16210H (Turbo Charger-CUM-6 CT 8.3L), Caminhão / Truck / Camión 16220H (Turbo Charger-CUM-6 CT 8.3L), Caminhão / Truck / Camión 22.210 (Cummins 6 cil / cyl Turbo), Caminhão / Truck / Camión 24.220 (CUM-6 CT 8.3L)

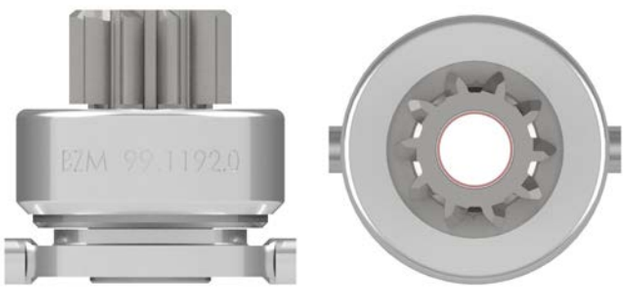
OEM *ORIGINAL*

Bosch 9001453670 | **Cargo** 131767 | **Delco Remy** 1846089, 830622 | **Facet** 480217, 480324 | **Lester** 4899 | **Visnova** 816027 | **Wapsa** 224056

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001370001, 9000453029, 9000453066

99.1192.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

Igual ao BZM 99.0620.1/Same as 99.0620.1 BZM/Igual que BZM 99.0620.1

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Bronco (4.9 LTS, 1992), Bronco (5.0 LTS, 1992~1996), Bronco (5.8 LTS, 1992~1996), Escape (6 cil / cyl, 2001~2009), F Series Pick Up (5.0 LTS, 1992~1998), F Series Pick Up (5.8 LTS, 1992~1996), F1000 (4.9L 6 cil / cyl Gasolina / Gasoline), F150, F250 (V6 Gasolina / Gasoline), Ranger

OEM *ORIGINAL*

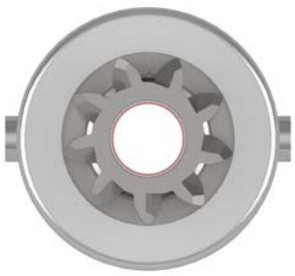
Bosch 1987BE0018 | **Ford** E90Z11350A, F07U11000AA, F0TZ11002A, F2TU11000AA, F5DZ11350A, SD337 | **Lucas Indiel** TMB350

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E90F11000BA, E90Y11002A, E90Y11002B, E9SF11000AA, E9SF11000BA, E9SZ11002A, E9SZ11002B, F0011002A, F00U11000AA, F00Y11002A, F02F11000AA, F02U11000AA, F02Z11002A, F07U11000AA, F07U11000BA, F0CF11000BA, F0CU11000BA, F0FZ11002A, F0TZ11002A, F0TZ11002B, F13U11000AA, F13Z11002A, F23U11000AA, F23U11000BC, F23Z11002A, F23Z11002B, F2DU11000AA, F2DU11000BA, F2DZ11002A, F2TU11000AA, F2TZ11002A, F3DU11000AA, F3DZ11002A, SA769, SA769A, SA771, SA771A, SA774, SA775, SA776, SA777, SA784, SA790, SA800, SA807 | **Mazda** ZZL018400, ZZL118400 | **Porsche** E90SZ11000AA, E90V11002A, E9SF1102A

99.1193.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Escort (1.8, 1991~1996) | **Mercury** Tracer (1.8, 1991~1996)

OEM *ORIGINAL*

Ford F0FZ11350A, SD340 | **Lester** 3214

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F0CF11000AA, F0CU11000AA, SA779

99.1194.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Especial / Special | **Cummins** Especial / Special | **Ford** F12000, F14000 (1999), F700, Ford Truck (Cummins) | **General Motors/Chevrolet** Sierra (Importado / Imported), Silverado (Importado / Imported) | **John Deere** Especial / Special

OEM *ORIGINAL*

Cargo 133854 | **Delco Remy** 10456455, 10457056, 10457579 | **Lester** 6583 | **Lucas Indiel** 220427

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10465151, 10465314, 10479604, 10479614, 10479615, 10479617, 10479618, 10479625, 10479634, 10479638, 10479641, 1113269, 1113270, 1113292, 1113295, 1113296

99.1195.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Especial / Special | **Clark** Especial / Special | **Deutz** Allis (12v), Allis (24v) | **Hyster** Empilhadeira / Forklift / Apiladora | **IHC** Especial / Special | **Magneti Marelli** MF 95 | **Massey Ferguson** Maxion 9110, Maxion 9130, Maxion 9150, Maxion 9170, MF 270, MF 275, MF 285, MF 290, MF 292, MF 295, MF 296, MF 400, MF 50X, MF 55X, MF 65R, MF 65X, MF 85X, MF 86, MF 95I, MF265, MF95 | **Müeller** Especial / Special | **New Holland** Especial / Special | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Tratores / Tractors / Tractores

OEM *ORIGINAL*

Delco Remy 10457057, D2054 | **Lester** 6572, 6576, 6578, 6581, 6584, 6587, 6588, 6593, 6600, 6602 | **Magneti Marelli** 940113020205, 940113020412, AMB0205, AMB0412

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479607, 1113274, 1113275, 1113278, 1113281, 1113282, 1113284, 1113285, 1113288, 1113289, 1113290, 1113297

99.1196.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Melroe | **Clark** Especial / Special | **Hyster** Empilhadeira / Forklift / Apiladora | **New Holland** Especial / Special | **Perkins** Estacionários / Stationaries / Parados, Industriais / Industrial / Industriales, Trator / Tractor

OEM *ORIGINAL*

Delco Remy 10457058, 10457168 | **Lester** 6571, 6575, 6586

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479606, 10479613, 1113273, 1113279, 1113280

99.1197.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Deutz Allis | **Mercedes-Benz** Caminhão / Truck / Camión 1620, Caminhão / Truck / Camión 712 (Eletrônico / Electronic / Electrónico)

OEM *ORIGINAL*

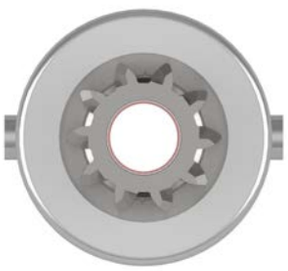
Delco Remy 10457059 | **Lester** 6579, 6599

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10479620, 1113286

99.1199.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Crown Victoria (LX V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Police Interceptor (V8 4.6 Gasolina / Gasoline, 1993~1995), Crown Victoria S (V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Touring Sedan (V8 4.6 Gasolina / Gasoline, 1992), Mustang, Mustang (GT V8 4.6 Gasolina / Gasoline, 1996~1997), Mustang Cobra (V8 4.6 Gasolina / Gasoline, 1996~1997), Thunderbird (LX V8 4.6 Gasolina / Gasoline, 1994~1996) | **Lincoln** Mark VIII LSC (V8 4.6 Gasolina / Gasoline, 1995~1996), Town Car Cartier (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Executive (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Jack Nicklaus (V8 4.6 Gasolina / Gasoline, 1993), Town Car Signature (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Spinmaker Edition (V8 4.6 Gasolina / Gasoline, 1995), Town Car Tournament Edition (V8 4.6 Gasolina / Gasoline, 1994) | **Mercury** Cougar XR7 (V8 4.6 Gasolina / Gasoline, 1994~1996)

OEM *ORIGINAL*

Cargo 231960 | **Ford** F2VY11350A, SD341 | **Lester** 3221, 3267 | **Visnova** 596018

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F2VY11002A, F3LU11000AA, F3LY11002A, SA789, SA822

99.1204.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**19.15/23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.50**
IS Ø Interno da Estria	**19.80**
L Comprimento	**117.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Escavadeira / Excavator / Excavadora FH400 (Hitachi 8215 13.8L Diesel) | **Fiat Allis** Escavadeira / Excavator / Excavadora FE-45 (8215 Diesel, 1988~1993), Escavadeira / Excavator / Excavadora FH400 (8215 Diesel, 1990~1993), Pá Carregadeira / Wheel Loader / Pala Cargadora FL14D (8205 Diesel, 1985~1986), Pá Carregadeira / Wheel Loader / Pala Cargadora FL20 (8215 Diesel, 1979~1995), Pá Carregadeira / Wheel Loader / Pala Cargadora FR20 (8215 Diesel, 1987~1991), Pá Carregadeira / Wheel Loader / Pala Cargadora FR20B (8215 Diesel, 1986~1995), Rastejador / Crawler Tractor / Tractor Oruga 14C (8205 Diesel, 1986~1989), Rastejador / Crawler Tractor / Tractor Oruga 14CL (8205 Diesel, 1986~1989), Rastejador / Crawler Tractor / Tractor Oruga FD-14 (8205 Diesel, 1984~1989), Rastejador / Crawler Tractor / Tractor Oruga FD-20 (8215 Diesel, 1981~1995), Trator Agrícola / Agricultural Tractor / Tractor Agrícola FA200 (8215 Diesel, 1984~1990)

99.1205.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.55**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**23.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**21.00**
ES Ø Externo da Estria	**34.00**
IS Ø Interno da Estria	**19.80**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agco Trator / Tractor 2360 (Cummins) | **Caterpillar** Colheitadeira / Combine / Cosechadora MT 875, Motoniveladora / Motor Grader / Motoniveladora 120H | **Hyster** Empilhadeira / Forklift / Apiladora (Cummins, 1997) | **Mercedes-Benz** 1632L, 1632LS, 1634LS, 1938L, 1938LS, 1938S, 1944L, 2638, 2638LK, 2638LS, Aplicações com Turbo Brake / Turbo Brake applications / Aplicaciones con Turbo Brake (Exceto plataforma O400 Mecânico / Except O400 mechanical platform / Excepto plataforma O400 mecánica, ←07/2004), O 500 R, O 500 RSD, O 500 RSE, OF 1722, OH 1628L

OEM *ORIGINAL*

Cargo 230911 | **Caterpillar** 3E7857 | **Delco Remy** 10472565, 10472565L | **Facet** 10641 | **Lester** 6630, 6633, 6634, 6662, 6664, 6666

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10461417, 10478818, 10478961, 10479109, 10479292, 10479310

99.1206.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Tipo (1.4), Tipo (1.6) | **Lancia** Dedra (1.6 i.e.)

OEM *ORIGINAL*

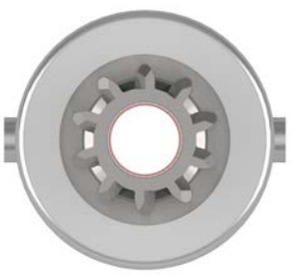
Fiat 9941306 | **Magneti Marelli** 85540411

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63222831, 63222832, 63222833, 63222836, 63222837, 63222838, 63222897, 63223001, 63223031, 63223032, 63223033, 63223034

99.1208.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Contour, Courier (1.6, 2001), Escape (4 cil / cyl, 2001~2004), Escort, Fiesta, Ford Ka, Mercury Mystique (2.0L 4 cil / cyl, 1995~1996), Mondeo (CLX, 1997)

OEM *ORIGINAL*

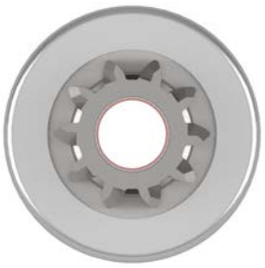
Ford 53R211350A, F3RZ11350A, F5RU11350RA, SD353, XS6411350AA, XS6U11350AA | **Lucas Indiel** 223299

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 93BB11000HB, 93BB11000JB, 96BB11000AA, 97BB11000BB, 97BB11000BC, F3RZ11002A, F3RZ11002B

99.1209.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.50**

Igual ao BZM 99.0833.1/Same as 99.0833.1 BZM/Igual que BZM 99.0833.1

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Astra (1.8), Astra (2.0), Astra (2.0 16v), Calibra (2.0), Calibra (2.0i), Calibra (2.0i 16v), Corsa, Suprema (2.0), Suprema (2.2), Suprema (3.0), Vectra (2.0 GLS MPFI), Vectra (2.0 GSI MPFI) | **Renault** Clio (1.2), Clio (1.4), Clio (1.6), Clio (1.8), Laguna (1.8), Laguna (2.0), Megane (2.0), R19 (1.8), R21, Scenic (2.0) | **Volvo** 440, 460, 480, S40, V40

OEM *ORIGINAL*

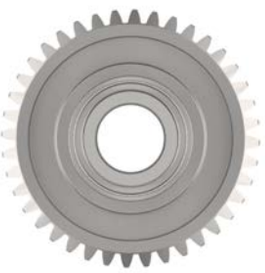
Valeo 186798, 187961, 187981, 594177, 594252, NE877

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA107, D6RA133, D6RA162, D6RA183, D6RA56, D6RA62, D6RA82, D6RA83

99.1211.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**40**
2T Dois Dentes	**-**
G Ø Externo do Dente	**53.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Avensis (2.0), Camry (1.8), Camry (2.0), Camry (2.2i), Camry (3.0 V6), Carina II (2.0i), Celica (2.0 GT), Celica (2.0 GTI), Celica (2.0 Turbo), MR 2 (2.0), Picnic (2.0), RAV 4 (2.0)

OEM *ORIGINAL*

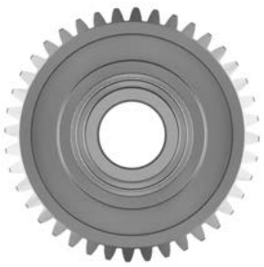
Lester 17170, 17263, 17534, 17687, 17715, 17716, 17774, 17777 | **Nippondenso** 0280906580, 0280996580, 0283010020, 2801174070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280007390, 1280008400, 1280009710, 1280009720, 2280000820, 2280000830, 2280001910, 2280002500

99.1212.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**40**
2T Dois Dentes	**-**
G Ø Externo do Dente	**53.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Integra (L4 1.7L 1678cc, 1992~1993), Integra (L4 1.8L 1834cc, 1992~1993) **| Dodge** RAM 2500 (V10 8.0L 7990cc 488cid, 1994~1998), RAM 3500 (V10 8.0L 7990cc 488cid, 1994~1998)

OEM *ORIGINAL*

Lester 17273, 17549, 17574 **| Nippondenso** 0283010060

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 228000022, 228000180

99.1216.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**16.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.00**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Willys Linha Willys / Willys Line / Línea Willys

OEM *ORIGINAL*

Autolite-Prestolite EBA45, EBB113A, EBB129A, EBB19 **| Chrysler** 3837936, 3837986 **| Delco Remy** 1878079, 1881636, 1887463, 1904170, 1909204, 1912766, 1913587, 1913589, 1918219, 1922266, 1925079, 1925285, 1925871, 1938637, 1952832, 1958621, 1964293, 1971147, D2010, D2012, D2023 **| Ford** BRNN11350, FAB11350A, FAC11350A, FAD11350A, FAV11350A

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 1107037, 1107056, 1107074, 1107084, 1107087, 1107088, 1107089, 1107092, 1107095, 1107115, 1107116, 1107125, 1107126, 1107134, 1107139, 1107141, 1107149, 1107158, 1107173, 1107196, 1107198, 1107217, 1107235, 1107253, 1107605, 1107654, 1107658, 1107659, 1107695, 1107728, 1107745, 1107746, 1107747, 1107755, 1107762, 1107787, 1107830, 1107927, 1107943, 1107954, 1107977, 1108008, 1108015, 1108021, 1108029, 1108037, 1108057, 1108068, 1108077, 1108078, 1108106, 1108112, 1108126, 1108131, 1108149, 1108150, 1108186, 1109384, 1109450, 1109457, 1109458, 1109468, 1109654, 1109671 **| Ford**

FAJ11001B, FAN11001A, FAP11001A, FAS11001A

99.1217.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.55**
G Ø Externo do Dente	**37.18**
IG Ø Interno do Dente	**24.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Diesel), Ranger (Diesel)

OEM *ORIGINAL*

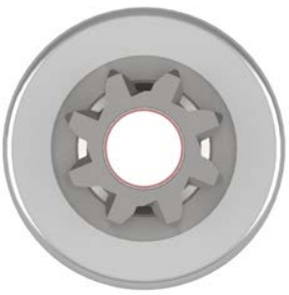
Facet 10682 | **Ford** F87U11350, F87U11350AC

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F87U11000DD

99.1218.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**27.80**
IG Ø Interno do Dente	**18.80**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**15.50**
IS Ø Interno da Estria	**13.20**
L Comprimento	**33.90**

Igual ao BZM 99.0974.1/Same as 99.0974.1 BZM/Igual que BZM 99.0974.1

APLICAÇÃO *APPLICATION / APLICACIÓN*

Sea Doo GSX, GTI, GTS, GTX, HX, Serie 800 (Modelos novos / New models / Nuevos modelos), SP, SP1, SPX, Toda linha 110 HP / All 110 HP line / Toda línea 110 HP, XP

OEM *ORIGINAL*

BRP 278001497, 278001936 | **Magneti Marelli** 940113020432, AMB0432 | **Sea Doo** 278001106

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 2280006240

99.1222.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol G2 (1.0 MI), Gol G3 (1.0 16v Turbo), Gol G3 (1.0 MI), Gol G3 (1.0 MI 16v), Parati G3 (1.0 MI 16v), Parati G3 (1.0 MI 16v Turbo)

OEM *ORIGINAL*

Bosch F000AL1446, F000AL1682

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000081010, F000AL0401, F000AL0414

99.1223.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi Q7 **| Seat** Arosa **| Skoda** Fabia **| Volkswagen** Gol (1.8, 2005), Lupo, Parati III (1.8 MI), Parati III (2.0 MI), Quantum (1.8 MI), Quantum (2.0 MI), Santana (1.8 MI), Santana (2.0 MI), Saveiro III (1.8 MI), Saveiro III (2.0 MI), Touareg

OEM *ORIGINAL*

Bosch 1006209641, 1006209662, 1006209761, 1006209762, 1006209781, F000AL1186, F000AL1681

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001121001, 0001121002, 0001121003, 0001121030, 0001121031, 0001121032, 0001121034, 0001123001, 0001123002, 0001123003, 0001123024, F000AL0502

99.1224.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Bronco (4.9 LTS, 1992), Bronco (5.0 LTS, 1992~1996), Bronco (5.8 LTS, 1992~1996), F Series Pick Up (5.0 LTS, 1992~1998), F Series Pick Up (5.8 LTS, 1992~1996), F1000 (4.9L 6 cil / cyl Gasolina / Gasoline), F150, Ranger | **Valmet** Trator / Tractor

OEM *ORIGINAL*

Ford E90Z11350A, F07U11000AA, F0TZ11002A, F2TU11000AA, F5DZ11350A | **Lester** 3204, 3205, 3213, 3217, 3224, 3232, 3238, 3239, 3240, 3241, 3246, 3247, 3264, 3266, 3268, 3269, 3270, 3271, 3272, 3273, 3274

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E90F11000BA, E90Y11002A, E90Y11002B, E9SF11000AA, E9SF11000BA, E9SZ11002A, E9SZ11002B, F0011002A, F00U11000AA, F00Y11002A, F02F11000AA, F02U11000AA, F02Z11002A, F07U11000AA, F07U11000BA, F0CF11000BA, F0CU11000BA, F0FZ11002A, F0TZ11002A, F0TZ11002B, F13U11000AA, F13Z11002A, F23U11000AA, F23U11000BC, F23Z11002A, F23Z11002B, F2DU11000AA, F2DU11000BA, F2DZ11002A, F2TU11000AA, F2TZ11002A, F3DU11000AA, F3DZ11002A, SA769, SA769A, SA771, SA771A, SA774, SA775, SA776, SA777, SA784, SA790, SA800, SA807

99.1226.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Crown Victoria (LX-V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Police Interceptor (V8 4.6 Gasolina / Gasoline, 1993~1995), Crown Victoria S (V8 4.6 Gasolina / Gasoline, 1992~1995), Crown Victoria Touring Sedan (V8 4.6 Gasolina / Gasoline, 1992), Mustang (GT-V8 4.6 Gasolina / Gasoline, 1996~1997), Mustang Cobra (V8 4.6 Gasolina / Gasoline, 1996~1997), Thunderbird (LX-V8 4.6 Gasolina / Gasoline, 1994~1996) | **Lincoln** Mark VIII (LSC-V8 4.6 Gasolina / Gasoline, 1995~1996), Town Car Cartier (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Executive (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Jack Nicklaus (V8 4.6 Gasolina / Gasoline, 1993), Town Car Signature (V8 4.6 Gasolina / Gasoline, 1992~1995), Town Car Spinmaker Edition (V8 4.6 Gasolina / Gasoline, 1995), Town Car Tournament Edition (V8 4.6 Gasolina / Gasoline, 1994) | **Mercury** Cougar XR7 (V8 4.6 Gasolina / Gasoline, 1994~1996)

OEM *ORIGINAL*

Ford F2VY11350A, SD341

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford F2VY11002A, F3LU11000AA, F3LY11002A, SA789, SA822

99.1227.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Autobianchi Y10 AWD, Y10 Fire | **Fiat** Panda 750, Tipo Fire (1.1), Uno 45 Fire | **Lancia** Especial / Special

OEM *ORIGINAL*

Fiat 9941300 | **Magneti Marelli** 74893901, 85540381

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63101003, 63221800, 63221890, 63221892

99.1228.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Contour (1995~1997), Escape (4 cil., 2001~2004), Escort (TD), Mercury Mystique (com motor PMGR, 1995~1997), Mondeo (1.6), Mondeo (1.8), Mondeo (2.0)

OEM *ORIGINAL*

Cargo 138209 | **Ford** 53R211350A, F3RZ11350A, F5RU11350RA, SD353, XS6411350AA | **Lester** 3261, 3262, 3263

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 93BB11000HB, 93BB11000JB, F3RZ11002A, F3RZ11002B, XS6U11000AC

99.1359.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.50**

Igual ao BZM 99.0024.4/Same as 99.0024.4 BZM/Igual que BZM 99.0024.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora W7 (Motor Perkins 6 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580 (Motor Perkins, 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580CK (Motor Perkins, 4 cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins), Retroescavadeira / Backhoe / Retroexcavadora 580E (Motor Perkins, 4cil / cyl), Retroescavadeira / Backhoe / Retroexcavadora 580H **|** **CBT** Trator / Tractor 1000 (Motor Perkins 4 cil / cyl), Trator / Tractor 1000 (Motor Perkins 6 cil / cyl), Trator / Tractor 1090 (Motor Perkins 4 cil / cyl), Trator / Tractor 1090 (Motor Perkins 6 cil / cyl), Trator / Tractor 1100 (Motor Perkins 4 cil / cyl), Trator / Tractor 1100 (Motor Perkins 6 cil / cyl), Trator / Tractor 8240 (Motor Perkins 4236) **|** **Chrysler** Dodge D400 (Motor Perkins 4 cil / cyl) **|** **Clark** Empilhadeira / Forklift / Apiladora 135, Empilhadeira / Forklift / Apiladora 155, Empilhadeira / Forklift / Apiladora 50, Empilhadeira / Forklift / Apiladora 60, Empilhadeira / Forklift / Apiladora C300, Empilhadeira / Forklift / Apiladora C500, Empilhadeira / Forklift / Apiladora HY40, Empilhadeira / Forklift / Apiladora Y110, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75II, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III, Pick Up Militar (Motor PK4236) **|** **Ford** F11000 (Motor Perkins 6 cil / cyl), F12000 (Motor Perkins 6 cil / cyl, Diesel), F13000 (Motor Perkins 6 cil / cyl, Diesel), F2000 (4 cil / cyl), F4000 (4 cil / cyl), Trator / Tractor 4600, Trator / Tractor 5600, Trator / Tractor 6600 (4 cil / cyl) **|** **General Motors/Chevrolet** D20 (1991→), Especial / Special (Motor Perkins 6cil / cyl), Pick Up (Motor Perkins 4 cil / cyl) **|** **Massey Ferguson** MF 275, MF 285, MF 290, MF 296, MF 400, MF 50X, MF 55X, MF 65R, MF 65X, MF 85X, MF 95I, MF220, MF235, MF250, MF290 RA (Motor Perkins 4236), MF3366, MF95X (11/1971~08/1977) **|** **New Holland** 4600 (Motor Diesel 4 cil / cyl), 4610 (Motor Diesel 4 cil / cyl), 5600 (Motor Diesel 4 cil / cyl), 5610 (Motor Diesel 4 ci / cyl), 6600 (Motor Diesel 4 cil / cyl), 6610 (Motor Diesel 4 cil / cyl), 7610 (Motor Diesel 4 cil / cyl) **|** **Perkins** 248 (Trator / Tractor CBT 8240, 01/1984→), 290 / 4 (Trator / Tractor 283), 290 / 4 (Trator / Tractor 290), 4236A (Trator / Tractor MF275, 04/1976→), 4236A (Trator / Tractor MF275 / 4, 04/1976→), A6.358 (Trator / Tractor Ideal 9110, 08/1989→), Motor 4 cil / cyl (Case), Motor 4 cil / cyl (CBT), Motor 4 cil / cyl (Dodge), Motor 4 cil / cyl (Ford), Motor 4 cil / cyl (General Motors / Chevrolet), Motor 6 cil / cyl (Case), Motor 6 cil / cyl (CBT), Motor 6 cil / cyl (Dodge), Motor 6 cil / cyl (Ford), Motor 6 cil / cyl (General Motors / Chevrolet), Motor Industrial / Industrial Motor 3152, Motor Industrial / Industrial Motor 4203, Motor Industrial / Industrial Motor 4236, Motor Industrial / Industrial Motor 6354.4, Motor Industrial / Industrial Motor 6358, Trator / Tractor 292, Trator / Tractor 292 (Turbo), Trator / Tractor 9130, Trator / Tractor 9150, Trator / Tractor 9170, Trator / Tractor MF283, Trator / Tractor MF296 (04/1976→), Trator / Tractor MF296 / 4 (04/1976→), Trator / Tractor MF400 (04/1976→) **|** **Volkswagen** 6.80 (Motor Perkins)

OEM *ORIGINAL*

Bosch 9001453333, 9001453334, 9001453338 **|** **General Motors/Chevrolet** 07328970 **|** **Lucas Indiel** 222460, TNB460 **|** **Volkswagen** 04128642, BC4N11350A **|** **Wapsa** 224004, 224036, 224038, 224043

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453001, 9000453004, 9000453005, 9000453006, 9000453009, 9000453011, 9000453014, 9000453015, 9000453016, 9000453017, 9000453019, 9000453028, 9000453032, 9000453034, 9000453038, 9000453041,

9000453042, 9000453043, 9000453046, 9000453047, 9000453049, 9000453050, 9000453051, 9000453052, 9000453054, 9000453059, 9000453061 | **Wapsa** MALMF2, MALP2, MALTF1, MALTF2, MPB1, MPB11, MPB17, MPB18, MPB2, MPB23, MPB31, MPB33, MPB49, MPB50, MPB59, MPB60, MPB63, MPB70, MPC69, MPF8, MPJ1074, MPMF3, MPN2

99.1361.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**79.00**

Igual ao BZM 99.0085.4/Same as 99.0085.4 BZM/Igual que BZM 99.0085.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale TX1600 (Motor MWM) | **Chrysler** Dodge D14000 (Motor MWM, 6 cil / cyl, partida / starter Wapsa), Dodge D750 (Motor MWM 6 cil / cyl), Dodge D950 (Motor MWM 6 cil / cyl) | **Ford** Cargo 1113, Cargo 1313, F1000 (Motor MWM), F11000 (Motor MWM), F12000 (Motor MWM), F13000 (Motor MWM), F14000 (Motor MWM), F19000 (Motor MWM), F2000 (Motor MWM), F21000 (Motor MWM), F22000 (Motor MWM), F400 (Motor MWM), F4000 (Motor MWM), F7000 (Motor MWM) | **Massey Ferguson** Trator / Tractor | **MWM** D2293, D2294, D2296 | **Valmet** Trator / Tractor (Motor MWM 3 cil / cyl), Trator / Tractor (Motor MWM, 4 cil / cyl), Trator / Tractor (Motor MWM, 6 cil / cyl) | **Volkswagen** Caminhão / Truck / Camión VW11.130, Caminhão / Truck / Camión VW13.130

OEM *ORIGINAL*

Bosch 9001453336 | **Lucas** TNB402 | **Lucas Indiel** 222402 | **Volkswagen** BD5T11350A, T11911335A | **Wapsa** 224026

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000453012, 9000453027, 9000453033, 9000453062 | **Wapsa** MPB30, MPB42, MPB68, MPB9

99.1364.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.20**

Igual ao BZM 99.0105.4/Same as 99.0105.4 BZM/Igual que BZM 99.0105.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 1600D, Caminhão / Truck / Camión 1800D, Caminhão / Truck / Camión TX1600D | **Carraro** Tigrone 625 | **Case** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CP, Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica 80CR, Pá Carregadeira / Wheel Loader / Pala Cargadora W18, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 (MBB OM 352), Pá Carregadeira / Wheel Loader / Pala

Cargadora W20B (MBB OM 352A) | **CBT** Trator / Tractor 1065 (MBB OM 314), Trator / Tractor 1105 (MBB OM 352), Trator / Tractor 2080 (MBB OM 314), Trator / Tractor 2105 (MBB OM 352), Trator / Tractor 2600 (10/1976→), Trator / Tractor 8060 (4X4 MBB OM 352), Trator / Tractor 8440 (1.6, 10/1976→), Trator / Tractor Oliver 1020 (10/1976→), Trator / Tractor Oliver 1065 (10/1976→), Trator / Tractor Oliver 950 (10/1976→) | **Chrysler** Caminhão / Truck / Camión Dodge D950 (Motor MWM), Caminhão / Truck / Camión Dodge P700 (Motor MWM), Caminhão / Truck / Camión Dodge P900 (Motor MWM) | **Clark** Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 45C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55A, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 55C, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 65R, Pá Carregadeira / Wheel Loader / Pala Cargadora Michigan 75III | **Deutz** Trator / Tractor 100S (01/1981→), Trator / Tractor 120S (01/1981→), Trator / Tractor 4.190 (01/1981→), Trator / Tractor 80S (01/1981→), Trator / Tractor AX 4.100 (01/1981→) | **Fiat Allis** Escavadeira Hidráulica / Hydraulic Excavator / Excavadora Hidráulica FE105, Motoniveladora / Motor Grader / Motoniveladora FG70, Motoniveladora / Motor Grader / Motoniveladora FG85 | **Ford** Cargo 1215, Cargo 1216, Cargo 1217, Cargo 1415, Cargo 1416, Cargo 1417, Cargo 1421, Cargo 1617, Cargo 1621, Cargo 814, Cargo 815, F4000 | **John Deere** Trator / Tractor 7000 (Motor MMB), Trator / Tractor 7200 (Turbo, motor MMB), Trator / Tractor 7700 (Motor MMB), Trator / Tractor 7700 (Turbo, Motor MMB) | **Komatsu** Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D30E (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50A (MBB OM 352A), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352), Trator de Esteira / Track-Type Tractor / Buldócer D50P (MBB OM 352A) | **Massey Ferguson** MF33B, W450B, W450C | **Mercedes-Benz** Caminhão / Truck / Camión 1113, Caminhão / Truck / Camión 1214, Caminhão / Truck / Camión 1218, Caminhão / Truck / Camión 1313, Caminhão / Truck / Camión 1316, Caminhão / Truck / Camión 1414, Caminhão / Truck / Camión 1418, Caminhão / Truck / Camión 1513, Caminhão / Truck / Camión 1516, Caminhão / Truck / Camión 1614, Caminhão / Truck / Camión 1618, Caminhão / Truck / Camión 1621, Caminhão / Truck / Camión 1720, Caminhão / Truck / Camión 2013, Caminhão / Truck / Camión 2016, Caminhão / Truck / Camión 2213, Caminhão / Truck / Camión 2215, Caminhão / Truck / Camión 2216, Caminhão / Truck / Camión L1319, Caminhão / Truck / Camión L608D, Caminhão / Truck / Camión L610 (OM 352), Caminhão / Truck / Camión L709D, Caminhão / Truck / Camión LP1219, Caminhão / Truck / Camión LP1419, Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OF O371U (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1113 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1115 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1313 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1315 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH 1316 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O364 (Motor M366G), Chassi para Ônibus / Bus Chassis / Chasi de Autobús OH O371U (Motor M366G), Ônibus / Bus / Ómnibus 1113, Ônibus / Bus / Ómnibus 1214, Ônibus / Bus / Ómnibus 1218, Ônibus / Bus / Ómnibus 1313, Ônibus / Bus / Ómnibus 1316, Ônibus / Bus / Ómnibus 1414, Ônibus / Bus / Ómnibus 1418, Ônibus / Bus / Ómnibus 1513, Ônibus / Bus / Ómnibus 1516, Ônibus / Bus / Ómnibus 1614, Ônibus / Bus / Ómnibus 1618, Ônibus / Bus / Ómnibus 1621, Ônibus / Bus / Ómnibus 1720, Ônibus / Bus / Ómnibus 2013, Ônibus / Bus / Ómnibus 2016, Ônibus / Bus / Ómnibus 2213, Ônibus / Bus / Ómnibus 2215, Ônibus / Bus / Ómnibus 2216, Ônibus / Bus / Ómnibus L1319, Ônibus / Bus / Ómnibus L608D, Ônibus / Bus / Ómnibus L610 (OM 352), Ônibus / Bus / Ómnibus L709D, Ônibus / Bus / Ómnibus LP1219, Ônibus / Bus / Ómnibus LP1419 | **Müeller** Trator / Tractor RT62H (MWM 229.3, 01/1995→), Trator / Tractor RT82H (MWM 229.3, 01/1995→), Trator / Tractor VAP55 (MWM 229.3, 01/1995→) | **MWM** Motor D2256 (08/1977→), Motor D2294 (08/1977→), Motor D2296 (08/1977→), Motor TD2296 (08/1977→) | **New Holland** Colheitadeira / Combine / Cosechadora FNH 8040 (MBB OM 352), Colheitadeira / Combine / Cosechadora FNH 8055 (MBB OM 352A) | **Poclain** FC30, LC80, LY80, MCL84 | **Puma** Caminhão / Truck / Camión 900 (Serie 914, Motor MWM 229.4, 09/1995→) | **Steyr Puch** 1000, 1100, 1200, 586, 590, 690, 980A | **Toyota** Bandeirante (MBB OM 314, 10/1976→) | **Valmet** Trator / Tractor 110ID (08/1977→), Trator / Tractor 118 (08/1977→), Trator / Tractor 128 (08/1977→), Trator / Tractor 138 (08/1977→), Trator / Tractor 138-4 (Turbo, 08/1977→), Trator / Tractor 148 (18/1977→), Trator / Tractor 78 (08/1977→), Trator / Tractor 85ID (08/1977→), Trator / Tractor 88 (08/1977→), Trator / Tractor 880 (08/1977→), Trator / Tractor 980 (08/1977→) | **Volkswagen** Caminhão / Truck / Camión 11.130, Caminhão / Truck / Camión 13.130, Caminhão / Truck / Camión 6.90, Caminhão / Truck / Camión 7.110S, Caminhão / Truck / Camión 7.90S, Chassi / Chassis / Chasi 7.90CE, Chassi / Chassis / Chasi 7.90CO, Chassi / Chassis / Chasi 7.90S | **Yanmar** Motor Estacionário / Stationary Motor / Motor Estacionario BT22, Motor Estacionário / Stationary Motor / Motor Estacionario BT33, Motor Estacionário / Stationary Motor / Motor Estacionario BTD22, Motor Estacionário / Stationary Motor / Motor Estacionario BTD33, Trator / Tractor 1050D, Trator / Tractor 1050D (4x4)

OEM *ORIGINAL*

Bosch 2006209421, 2006209436, 2006209446, 9001083406, 9001083436, 9002453073 | **Fiat** 79028900, 79028909, 8122129, 9008243, 9926112, 9957919 | **Italacciai** SD124 | **Lester** 16560, 17073, 17074, 17076, 17106, 17136, 17184, 17228, 17230, 18029, 18030, 18032, 18033, 18111, 18229, 18237 | **Lucas Indiel** 222407, TNB407 |

Mercedes-Benz 0001517013 **| Volkswagen** 04053926

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001354084, 0001359031, 0001359055, 0001359057, 0001359062, 0001359071, 0001359072, 0001359073, 0001359074, 0001359083, 0001359084, 0001359087, 0001359089, 0001359091, 0001359097, 0001359100, 0001359101, 0001359111, 0001359113, 0001359118, 0001359119, 0001360004, 0001360025, 0001360027, 0001360030, 0001360031, 0001360032, 0001360034, 0001360035, 0001360036, 0001360037, 0001360038, 0001360039, 0001360040, 0001360046, 0001360047, 0001360049, 0001360056, 0001360057, 0001360059, 0001360061, 0001360065, 0001364108, 0001365007, 0001365008, 9000083027, 9000083028, 9000083031, 9000083036, 9000083045, 9000083046, 9000083050, 9000083052, 9000083053, 9000083054, 9000083056, 9000083060, 9000083061, 9000083063, 9000083064, 9000083065, 9000083066, 9000083067, 9000083068, 9000083074, 9000453074, 9000453082, 9000453083

99.1372.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**91.00**

Igual ao BZM 99.0748.4/Same as 99.0748.4 BZM/Igual que BZM 99.0748.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 7000DX (8000MA Serie 7.5T), Caminhão / Truck / Camión 7000TDX (8000MA Serie 7.5T) **| Case** Trator / Tractor W20 (Cummins 6BT590) **| Ford** Cargo 1618, F12000 (MWM), F14000 (MWM), F4000 (MWM) **| MWM** Motor 410T, Motor 610T **| Puma** 7000 Serie 79000 (MWM 4.10T, 03/1996→) **| Volkswagen** Caminhão / Truck / Camión (MWM X10), Ônibus / Bus / Ómnibus, Volksbus (MWM)

OEM *ORIGINAL*

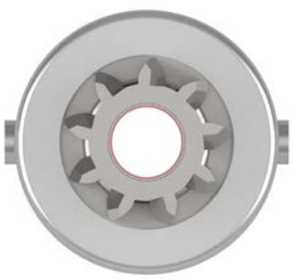
Bosch 9001083674, 9002453078, 9002453079 **| Lucas Indiel** 223293, TNB674 **| Woodauto** 22024086, SDV38101

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 9000083077

99.1451.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hatz Motor | **Lombardini** Motor | **Mercedes-Benz** G 280 (CDI) | **Ruggerini** RD 180, RD 181, RD 200, RD 201, RF 120, RF 121, RF 130, RF 140, RF 148, RF 80, RF 81, RF 88, RF 90, RF 91, RF 96, RF 99

OEM *ORIGINAL*

Bosch 1006209650, 1006209850 | **Cargo** 231009, 333524 | **Hatz** 49071200 | **Krauf** SDB1756 | **WAI** 5491111

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109029

99.1453.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**14.20**
L Comprimento	**36.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercury Marine 15 HP 4 Stroke 9.9 (1999), 25 HP, 30 HP 4 Stroke, 60 HP 4 Stroke

OEM *ORIGINAL*

Johnson Electric 5970420DV30SN

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

United Technologies 10153340, 10153440, 6743040, 6767540, 6873740, 7005840

99.1458.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**30.04**
IG Ø Interno do Dente	**21.10**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz C 200 (D), C 220 (D), C 250 (D), Classe C / C Class, Classe CLK / CLK Class, Classe E / E Class, Classe M / M Class, Classe S / S Class, E 200 (D), E 220 (D), E 250 (D), E 290 (TD), E 300 (TD), G 300, Sprinter, Unimog U90, UX 100H, UX 100L, UX 100M, V Class, Vario 512 (D), Vario 612 (D), Vario 812 (D), Vito, Vito (D), Vito (TD) | **Still** Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

Cargo 139478 | **Mercedes-Benz** 0011511713, A0011511713 | **Valeo** 059427, 059527, 187528, 594279, NE942 | **WAI** 549440

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7R19, D7R28

99.1467.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**17.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**66.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan 100 NX (1.6), Micra (1.0), Micra (1.3), Sentra (1994), Tsuru

OEM *ORIGINAL*

Bosch 1006209590, 1006209614, 1006209931, 1006210151, F000AL2000 | **Cargo** 231015, 234945

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 6004AA0017

99.1468.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Fox, Gol G5, Golf, Polo

OEM *ORIGINAL*

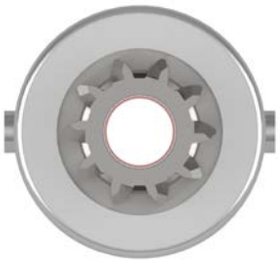
Bosch F000AL1901

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0402, F000AL0415

99.1469.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Classe A / A Class (06/1999→), Classe A / A Class 190 (06/1999→)

OEM *ORIGINAL*

Bosch F000AL1209, F000AL1688

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0101, F000AL0104

99.1470.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge Ram

OEM *ORIGINAL*

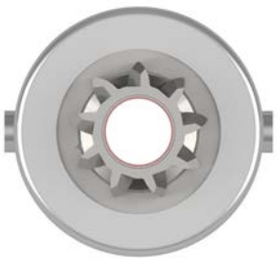
Bosch 6004AA3009, 9008047011, F000AL1024, F000AL2024 | **Krauf** SDB7011 | **WAI** 5491114

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 6004AA3009

99.1471.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Classe A100 (05/1999→), Classe A160

OEM *ORIGINAL*

Bosch F000AL1067, F000AL1096, F000AL1696

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0302

99.1472.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**35.80**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD Motor BF4L1011 (2.7L 2732cc, 2003), Motor F2L1011 (1.4 1366cc, 2004)

OEM *ORIGINAL*

Bosch 6033AD0061 | **Cargo** 231898, 333509 | **KHD** 1319754 | **Krauf** SDB8898, SDB9898 | **Stemot** 13061

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223002

99.1474.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover Defender 110 (3.9L 3947cc, 1993), Defender 90 (3.9L 3947cc, 1994~1995), Discovery (3.9L 3947cc, 1994~1995), Range Rover (4.0L 3950cc, 1995), Range Rover (4.2L 4275cc, 1993~1995)

OEM *ORIGINAL*

Bosch 1006209605, 1006209606, 1006209627, 1006209928, 1006210169 | **Cargo** 139013, 139570 | **Land Rover** STC1241, STC4464 | **WAI** 549193

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108137, 0001108144, 0001108156, 0001109040, 0001110090, 0001110120

99.1475.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover Defender 110 (3.9L 3947cc, 1993), Defender 90 (3.9L 3947cc, 1994~1995), Range Rover (3.5L 3532cc, 1987~1988), Range Rover (3.9L 3947cc, 1989~1995)

OEM *ORIGINAL*

Lucas TMB173 | **Lucas Indiel** 54291022 | **Magneti Marelli** 85541381

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 2680B, 2680D | **Magneti Marelli** 63226801

99.1477.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 325 (2.5 TD), 525 (2.5 TD), 725 (2.5 TD) | **Lancia** K (2.4 TD) | **Opel** Omega (2.3 TD)

OEM *ORIGINAL*

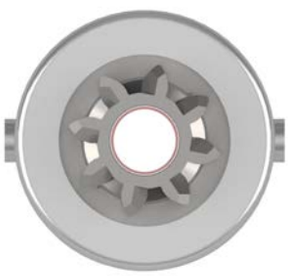
Cargo 135117 | **Fiat** 9946913 | **Lucas** 85540681010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 63222035010, 63222204010 | **Magneti Marelli** 63222035, 63222040, 63222204, 63229035, 63292035

99.1478.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**17.00**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Breeze (2.0L-122-L4, 1996~1997), Neon (2.0L-122-L4, 1996~1997), Neon (2.0L-122-L4, 2000~2002), Neon (2.0L-122-L4 Plymouth, 2000~2002), Stratus (2.0L-122-L4 Plymouth, 1996~1997)

OEM *ORIGINAL*

Bosch 6004AH5018 | **Lucas Indiel** 220434

99.1480.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen LT 28 (SDI), LT 35 (SDI), LT 46 (SDI)

OEM *ORIGINAL*

Bosch 1006209655, 1006209760

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001125501, 0001125502, 0001125503, 0001125504, 0001125511 | **Volkswagen** 069911023E

99.1482.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.95**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (2.0i 16v), Focus (2.0i 16v)

OEM *ORIGINAL*

Delco Remy 10500475 | **WAI** 54175

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000071 | **Ford** 5N1511000AA, 5N1511000AB

99.1483.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Iveco Iveco BF4L1011 (2.7L 2732cc, 1995→), Iveco BF4L1011 (2.7L 2732cc, 1996~2001), Iveco BF4L1011 (2.7L 2732cc, 2000), Iveco BF4L1011 (2.7L 2732cc, 2001), Iveco F2L1011 (1.4L 1366cc, 1996~2002), Iveco F3L1011 (2.0L 2049cc, 1996~2002), Iveco F4L1011 (2.7L 2732cc, 1996~1999)

OEM *ORIGINAL*

Bosch 6033AD1062 | **KHD** 1340070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223016, 0001223021

99.1484.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**60.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Seat Arosa (1.0), Arosa (1.4L), Cordoba (1.0), Cordoba (1.4L), Ibiza II (1.0), Ibiza II (1.4L) | **Volkswagen** Lupo (1.0), Lupo (1.4L), Polo (1.0), Polo (1.4L)

OEM *ORIGINAL*

Magneti Marelli 85541080

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63223039, 63293029, 63293039

99.1485.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Crossfire (3.2L 3199cc, 2004~2005) | **Mercedes-Benz** C 240 (2.6L 2597cc, 2001~2004), C 32 (3.2L 3199cc, 2002~2004), C 320 (3.2L 3199cc, 2001~2004), CLK 320 (3.2L 3199cc, 2001~2004), E 320 (3.2L 3199cc, 2001~2004), ML 320 (3.2L 3199cc, 2001~2003), ML 350 (3.7L 3724cc, 2003~2004), SLK 32 (3.2L 3199cc, 2002~2004), SLK 320 (3.2L 3199cc, 2001~2003), Viano, Vito (3.0 CDI)

OEM *ORIGINAL*

Bosch 1006209661 | **Cargo** 234242, 333224 | **Mercedes-Benz** 0011512113 | **WAI** 549196

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108197, 0001108222, 0001108223, 0001115005, 0001115009, 0001115049, 0001115050

99.1486.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 530, 535, 540, 730, 740, 840 (8v), Serie 5, Serie 7, Serie 8, X5, X5 (4.4i), X5 (4.6is), Z8 (4.8), Z8 (4.9)

OEM *ORIGINAL*

Bosch 1006209592, 1006209941, D001965593 | **Cargo** 136614, 333544 | **Krauf** SDB1614, SDB6614 | **Magneti Marelli** 940113020461 | **WAI** 549162

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107085, 0001110071, 0001110072

99.1487.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**29.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**59.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 318 (TDS)

OEM *ORIGINAL*

Bosch 1006209622

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001110110

99.1496.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**15.80**
IS Ø Interno da Estria	**13.60**
L Comprimento	**84.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover 100, 200, 25, 400, 45, Cabriolet, Coupe

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63220104, 63223103

99.1523.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**78.50**

Original de 6 estrias, reforçada para 12 EstriasOriginal 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo 1217, Cargo 1417, Cargo 1421 | **Volkswagen** Caminhão / Truck / Camión, Titan

OEM *ORIGINAL*

Lucas Indiel 35260875

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35259450, 35259460, 35259793

99.1533.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.06**
G Ø Externo do Dente	**24.50**
IG Ø Interno do Dente	**15.45**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**41.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier (1.0L Zetec Rocam, 07/1999), Courier (1.6L Zetec Rocam, 07/1999), EcoSport (1.0L Supercharger, 02/2003), EcoSport (1.0L Zetec Rocam, 02/2003), EcoSport (1.6L Zetec Rocam, 02/2003), Escort (1.6L Zetec Rocam, 07/1999), Fiesta (1.0L Zetec Rocam, 07/1999), Fiesta (1.6L Zetec Rocam, 07/1999), Focus (1.0L Zetec Rocam), Ka (1.0L Zetec Rocam, 07/1999), Ka (1.6L Zetec Rocam, 07/1999), New Fiesta (1.0L Supercharger, 06/2002), New Fiesta (1.0L Zetec Rocam, 06/2002), New Fiesta (1.6L Zetec Rocam, 06/2002)

OEM *ORIGINAL*

Valeo 110427, 494833

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 3S6511000BA, 5S6511000AA, 6S6519000AA | **Valeo** D7E33, D7E34, D7E43, D7E45

99.1534.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Fox, Gol, Gol G4, Gol G5, Golf (1.6), Lupo, Parati, Polo, Saveiro, Voyage

OEM *ORIGINAL*

Cargo 236896 | **Stemot** 05054 | **Valeo** 1201665, 161039, 170539, 494831, 594453

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7E56, D7ES6 | **Volkswagen** 02T911023Q

99.1538.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**57.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Jeep Liberty (2.4L, 2001→), Jeep Liberty (3.7L, 2001→) | **JEEP** Cherokee (2.4 L4), Cherokee (3.7 V6)

OEM *ORIGINAL*

Mitsubishi M191T19071

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M0T21271, M0T21271ZC, M0T91981, M0T91981ZC, M0T92081, M0T92081ZC, M1T86781, M1T86781ZC, M1T86782, M1T86782ZC, M1T86882, M1T86883, M1T86883ZC, M1T86884ZC

99.1539.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

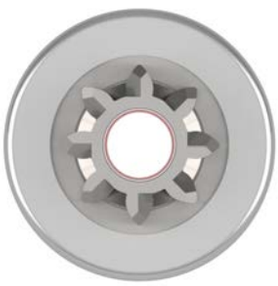
Ford Mondeo (2.4), Transit (2.4)

OEM *ORIGINAL*

Ford YC1U11000AB

99.1545.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**17.00**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Dodge Neon, Neon II (1.6), Neon II (2.0 16v) | **Citroën** C1 (1.0) | **Peugeot** 107 (1.0) | **Toyota** Aygo (1.0)

OEM *ORIGINAL*

Bosch 1006209794, 1006209810, 1006209820, 6004AHS018 | **Cargo** 235290, 239903 | **Stemot** 11810 | **Toyota** 280110Q020

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107415, 0001107431, 0001107432, 0001107438, 0001107439, 6004AA0003, 6004AA0008, 6004AA0027

99.1547.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.38**
G Ø Externo do Dente	**35.40**
IG Ø Interno do Dente	**23.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Avensis (1.6 VVTI), Avensis (1.8 VVTI), Corolla (1.4 VVTI), Corolla (1.6 VVTI), Corolla (1.8i 16v, 02/1999→), Fielder (1.8 16v)

OEM *ORIGINAL*

Bosch 1006209695, F000AL1432, F000AL1690 | **Cargo** 235440, 333186 | **Toyota** 280110D030

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107088, F000AL0106, F000AL0118, F000AL0144 | **Toyota** 248100D100, 281000D030, 281000D100

99.1550.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Volare | **Troller** T4

OEM *ORIGINAL*

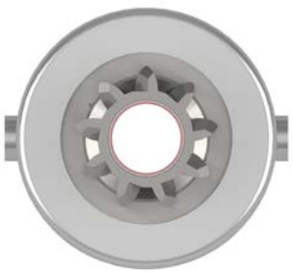
Bosch 6033AD0070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001218821, 0001218822, 6033AD0J00, 6033AD1J00

99.1552.0





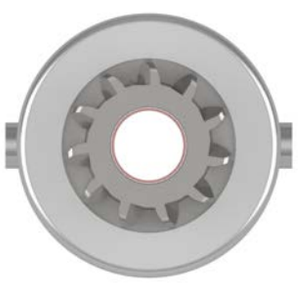
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F150, F250, Ranger

99.1553.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Ranger (V6)

99.1556.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**38.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case CX27B (V8 3TNV82, 2005→), CX31B (V8 3TNV88, 2005→), CX36B (V8 3TNV88, 2005→) | **Opel** Astra F (1.7 TD, 01/1995~01/1998), Corsa, Vectra A (1.7L T DSL, 1994~1995), Vectra B (1.7L T DSL, 1995~1997) | **Vauxhall** Astra F Estate (1.7L T DSL, 1996~1998), Vectra B (1.7L T DSL, 1995~1996) | **Yanmar** 2YM15 (2 cil / cyl Diesel, 2004→), 3JH3 (3 cil / cyl Diesel, 1999~2003), 3JH3E (3 cil / cyl Diesel), 3JH3E-YEU (3 cil / cyl Diesel), 3JH4E (3 cil / cyl Diesel, 2003→), 3TNE88 (1997→), 3YM20 (3 cil / cyl Diesel, 2004→), 3YM30 (1.1L / 68CI 3 cil / cyl Diesel, 2004→), 4JH3 (Diesel), 4JH3E (4 cil / cyl Diesel, 1994~2003), 4TNE88

OEM *ORIGINAL*

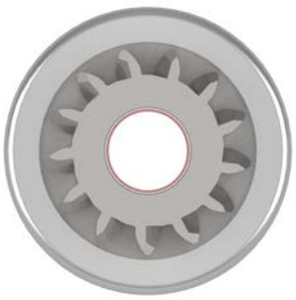
Hitachi 211425554

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114808, S114814A, S114815, S114817A, S114883, S114884 | **Lester** 18219, 18328

99.1557.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.28**
G Ø Externo do Dente	**33.30**
IG Ø Interno do Dente	**24.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**38.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Corsa | **Honda** Civic VI Hatchback (1.7 CTDI) | **Opel** Astra G (1.7L TD, 1988), Meriva (1.7 TD)

OEM *ORIGINAL*

Cargo 231795 | **Hitachi** S114829, S114829A, S114829B | **Ika** 451671 | **Krauf** JS1158, SDH5795 | **Stemot** 09017 | **Unipoint** SD4161

99.1561.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.35**
G Ø Externo do Dente	**25.40**
IG Ø Interno do Dente	**16.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**47.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Brava (1.6 16v), Marea, Palio (1.6 16v), Palio Weekend (1.6 16v), Siena (1.6 16v), Strada (1.6 16v)

OEM *ORIGINAL*

Lucas Indiel 220441

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63111016

99.1562.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**58.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux (2.5, 2006), Hilux (2.8, 2006)

OEM *ORIGINAL*

Bosch 1006209821, F000AL1281, F000AL2281, F000AL2814 | **Cargo** 333940 | **Krauf** SDB9821, SDV38811 | **Toyota** 280110L070

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 00010DB98E, F000AL0111, F000AL0137, F004A94008

99.1563.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**56.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**20.90**
IS Ø Interno da Estria	**18.50**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz A170 (CDI, 07/1998~01/2001) | **Mitsubishi** L200, Nativa, Pajero, Pajero (2.8, 1997)

OEM *ORIGINAL*

Cargo 232229 | **Mitsubishi** M191T68771, M191X68171, M191X68785 | **WAI** 5483425

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M008T75073, M8T70071, M8T75073, M8T75073A, M8T78611, ME202424, ME202970, ME204425

99.1567.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**37.60**
IG Ø Interno do Dente	**26.25**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Celeste (2.0), Colt, Galant (1.6), Galant (2.0), Galant (4D68 2.0L TD, 1996~2000), L200 (2.5 4WD), L200 (4D56 2.5L TD, 1996~2012), L300, Lancer (4D68 2.0L Diesel, 1998~2012), Montero (4D56 2.5L TD, 1990~2009), Pajero (2.4 TD), Pajero (2.5 TD), Pajero Sport (4D56 2.5L TD, 1998~2009), Sapporo (1.6), Sapporo (2.0), Sigma (1.6), Sigma (2.0), Space Gear (2.5)

OEM *ORIGINAL*

Cargo 231415 | **Krauf** SDI9171, SDM6415 | **Mazda** RF5C18X25 | **Mitsubishi** M191T68471, M191X68471, MD619204 | **WAI** 548344 | **Woodauto** SDV3900

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M002T87371, M002T87971, M002T88071, M002T88271, M2T87371, M2T87971, M2T88071, M2T88271

99.1574.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Logan, Sandero

99.1576.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.9 D), Berlingo (2.0 HDI), Jumper (1.9 D), Jumper (2.0 HDI) | **Peugeot** 206 (1.9 D), 206 (2.0 HDI), 307 (2.0 HDI), Partner (1.9 D), Partner (2.0 HDI), Ranch (1.9 D), Ranch (2.0 HDI)

OEM *ORIGINAL*

Bosch 1006209812 | **Lucas Indiel** 220443

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108400

99.1577.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.60**
IG Ø Interno do Dente	**13.30**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**134.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12656.0 / Uses 99.12656.0 BZM Pinion / Utiliza Piñion BZM 99.12656.0 | **Hindustan Motors** Lancer VII (2.0 D) | **Hyundai** H100, H100 (2.5 CRDI), Mighty Truck (2.5 Ton), Starex (2.5 TD) | **Kia** Sorento (2.5 CRDI) | **Mitsubishi** Colt (1.8 D)

OEM *ORIGINAL*

Cargo 231269, 237115 | **Hyundai** 3613942000, 361394A000 | **Lucas Indiel** LTH209, SDR6012

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E57A11000AA, E57Z11002A, E5TZ11002A | **Hyundai** 3610042010, 3610042011, 3610047650 | **Mitsubishi** M002T56971, M002T61071, M002T61171, MD050205

99.1585.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (2.0, 2004), Escape (2.3L-140-L4, 2005~2006), Escape (4 cil / cyl, 2005~2009), Focus (2.3L-140-L4, 2003~2006), Ranger (2.3L-140-L4, 2001~2006) | **Jaguar** S-Type (3.0L, 2000~2004) | **Lincoln** LS (3.0L-182-V6, 2000~2004) | **Mazda** B Séries Pick Up (2.3L, 2001~2006), Tribute (2.3L, 2005~2006) | **Mercury** Marine (2.3L-140-L4, 2005~2006)

OEM *ORIGINAL*

Ford 1L5T11000AA

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 3S4T11000AB, 3S4T11000AC, 3S4Z11002AB | **Motorcraft** 6S4Z11002AA

99.1588.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**15.80**
IS Ø Interno da Estria	**13.60**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault R4, R5, R6

OEM *ORIGINAL*

Iskra 16900068

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130034, 11130155, 11130292, AZE0303, AZE3504, AZE3519

99.1592.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**67.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Empilhadeira / Forklift / Apiladora SG 25 **|** **Nissan** Empilhadeira / Forklift / Apiladora AEH Z24, Empilhadeira / Forklift / Apiladora AH A15, Empilhadeira / Forklift / Apiladora AH H20, Empilhadeira / Forklift / Apiladora APH A15, Empilhadeira / Forklift / Apiladora ASH A15, Empilhadeira / Forklift / Apiladora CEGH Z24, Empilhadeira / Forklift / Apiladora CEH Z24, Empilhadeira / Forklift / Apiladora CPH A15, Empilhadeira / Forklift / Apiladora CPH H20, Empilhadeira / Forklift / Apiladora CPH Z24, Empilhadeira / Forklift / Apiladora CRGH H20, Empilhadeira / Forklift / Apiladora CRGH Z24, Empilhadeira / Forklift / Apiladora EGH H20, Empilhadeira / Forklift / Apiladora EH A15, Empilhadeira / Forklift / Apiladora EH H20, Empilhadeira / Forklift / Apiladora H01 A15 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora H01 H20 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora H02 H20 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora H02 Z24 LPG, Empilhadeira / Forklift / Apiladora H30 (Vários modelos / Various models), Empilhadeira / Forklift / Apiladora KAH A15, Empilhadeira / Forklift / Apiladora KAH H20, Empilhadeira / Forklift / Apiladora KAP H20, Empilhadeira / Forklift / Apiladora KAP H25, Empilhadeira / Forklift / Apiladora KCEH H20, Empilhadeira / Forklift / Apiladora KCEH H25, Empilhadeira / Forklift / Apiladora KCH02 H20 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KCH02 H25 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KCPH A15, Empilhadeira / Forklift / Apiladora KCPH H20, Empilhadeira / Forklift / Apiladora KCUGH H20, Empilhadeira / Forklift / Apiladora KCUGH H25, Empilhadeira / Forklift / Apiladora KEGH H20, Empilhadeira / Forklift / Apiladora KEGH H25, Empilhadeira / Forklift / Apiladora KEH H20, Empilhadeira / Forklift / Apiladora KEH H25, Empilhadeira / Forklift / Apiladora KH01 A15 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KH01 H20 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KH02 H20 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KH02 H25 (Gasolina / Gasoline), Empilhadeira / Forklift / Apiladora KPH A15, Empilhadeira / Forklift / Apiladora KPH H20, Empilhadeira / Forklift / Apiladora KUGH H20, Empilhadeira / Forklift / Apiladora KUGH H25, Empilhadeira / Forklift / Apiladora PH01 A15, Empilhadeira / Forklift / Apiladora PH02 A15, Empilhadeira / Forklift / Apiladora RGH02 A15, Empilhadeira / Forklift / Apiladora UF03 H30, Empilhadeira / Forklift / Apiladora UGF03 H30, Empilhadeira / Forklift / Apiladora YF03 H30, Empilhadeira / Forklift / Apiladora YGF03 H30, Empilhadeira / Forklift / Apiladora Z24 (Vários modelos / Various models) **|** **TCM Equipment Ag** Empilhadeira / Forklift / Apiladora FHG20N H25, Empilhadeira / Forklift / Apiladora FHG20N Z24, Empilhadeira / Forklift / Apiladora FHG25N H25, Empilhadeira / Forklift / Apiladora FHG25N Z24, Empilhadeira / Forklift / Apiladora FHG30N H25, Empilhadeira / Forklift / Apiladora FHG30N Z24

OEM *ORIGINAL*

Mitsubishi M191T12971

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000T65381, M000T65581, M0T65381, M0T65581, M1T60081, M1T60181, M1T60581 **|** **Nissan** 23300F4U10, 23300FU410, 23300GS20A

99.1594.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**42.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yanmar 2005, 2100, 2103, 2105, 2200, 2205, 2300, 2305, 2500, 2505, 2525, 2535, 270 AT I, 300 AT I, 75 240 AT I, F 2000, FSB 2005 DH

OEM *ORIGINAL*

Andre Niermann 01364402 | **Bosch** 2006209540, 2006209542 | **Boston Auto** 31206059D, 31206194, 31206194A | **Cargo** 111636, 137231, 139506 | **Case** 112055 | **DAF** 126246, 1276165, 1287890, 289183 | **Delco Reman** DRS1170, DRS3293, DRS7090 | **HC Parts** CS1129, CS387 | **Visnova** 524234

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001364400, 0001364402, 0001368313, 0001368318

99.1595.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar Blue Bird USA Cat 3126 (7.2) | **International** Navistar DT 444E (V8 7.3) | **John Deere** 1550 (1H 6 cil / cyl), 608 (1H 6 cil / cyl), 7820 (1H 6 cil / cyl), Trator / Tractor 4045 (4 cil / cyl 4.5 Gradall)

OEM *ORIGINAL*

Lucas Indiel 35260832

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259260, 35259520, 35259830, 35259840, 35260830, 35260840

99.1596.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Trator / Tractor 5075 (Motor BX 150), Trator / Tractor 5085.4 (Motor BX 150) | **Ford** F100 (Motor MWM Serie 229), F100 (Motor MWM Serie X10), F1000 (Motor MWM Serie 229), F1000 (Motor MWM Serie X10), F14000 (Motor MWM Serie 229), F14000 (Motor MWM Serie X10), F150 (Motor MWM Serie 229), F150 (Motor MWM Serie X10), F250 (Motor MWM Serie 229), F250 (Motor MWM Serie X10), F3500 (Motor MWM Serie 229), F3500 (Motor MWM Serie X10), F4000 (Motor MWM Serie 229), F4000 (Motor MWM Serie X10), F7000 (Motor MWM Serie 229), F7000 (Motor MWM Serie X10) | **New Holland** TL65 (Linha / Line / Línea TL Exitus-Motor MWM), TL75 (Linha / Line / Línea TL Exitus-Motor MWM), TL85 (Linha / Line / Línea TL Exitus-Motor MWM), TL95 E (Linha / Line / Línea TL Exitus-Motor MWM)

OEM *ORIGINAL*

Lucas Indiel 229938, 35259938, 35261299

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259680, 35259750, 35261355, 35261425

99.1597.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Fiesta (1.2), Fiesta (1.4), Fiesta (1.6 16v), Focus (1.4), Focus (1.6 16v), Fusion | **Mazda** 121, 2 | **Volvo** C30, S40 II, V50 (1.6)

OEM *ORIGINAL*

Bosch 1006209804 | **Cargo** 234124, 333171

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107407, 0001107410, 0001107417, 0001107418, 0001107499, 0001107500, 0001107501, 0001107502, 0001108408, 0001108430, 0001108431, F004A94410

99.1600.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case CS 110 (Sisu 4 cil / cyl Turbo 4.4), CS 130 (Sisu 6 cil / cyl Turbo 6.6), CS 68 (Sisu 3 cil / cyl Turbo 3.3), CS 75 (Sisu 3 cil / cyl Turbo 3.3), CS 78 (Sisu 4 cil / cyl Turbo 4.4) **| Landini** Atlas 75 (Perkins 10044) **| Massey Ferguson** AA 550 (MWM 6 cil / cyl), AA 550 (Perkins), AA 660 (MWM 6 cil / cyl), AA 660 (Perkins), MF 200 (MWM 4 cil / cyl), MF 200 (MWM 6 cil / cyl), MF 200 (Perkins), MF 2600 (MWM 4 cil / cyl), MF 2600 (MWM 6 cil / cyl), MF 2600 (Perkins), MF 3060 (Perkins A4248), MF 3065 (Perkins AT4236), MF 34 (MWM 6 cil / cyl), MF 34 (Perkins), MF 38 (MWM 6 cil / cyl), MF 38 (Perkins), MF 383 (Perkins A4236), MF 400 (MWM 4 cil / cyl), MF 400 (MWM 6 cil / cyl), MF 400 (Perkins), MF 400X (MWM 4 cil / cyl), MF 400X (MWM 6 cil / cyl), MF 400X (Perkins), MF 4200 (MWM 4 cil / cyl), MF 4200 (MWM 6 cil / cyl), MF 4200 (Perkins), MF 500 (MWM 4 cil / cyl), MF 500 (MWM 6 cil / cyl), MF 500 (Perkins), MF 5200 (MWM 4 cil / cyl), MF 5200 (MWM 6 cil / cyl), MF 5200 (Perkins), MF 5300 (MWM 4 cil / cyl), MF 5300 (MWM 6 cil / cyl), MF 5300 (Perkins), MF 8140 (620DE), MF 8150 (620DS), MF 8160 (634DS), MF 8250 (634DWE 7.4), MF 8280 **| Sampo Rosenlew** SR 2045 (4 cil / cyl Turbo), SR 2055 (6 cil / cyl), SR 2065 (6 cil / cyl Turbo), SR 2075 TS (6 cil / cyl Turbo), SR 2085 TS (6 cil / cyl Turbo), SR 3045 (620DSEL 6.6), SR 3065 (620DSBAEL 6.6) **| Ursus** C-330 M, C-335 (S312C), C-360 (S4003) **| Valtra** 255 (320D), 355 (320D), 365S (320DS Turbo), 455 (320DS Turbo), 465 (320DS Turbo), 504 (310B 2.7), 565 (320DS Turbo), 604 (311C 3.3), 604 (311CS 3.3), 6100 (320DS Turbo), 6300 (420 4.4), 6400 (420DW), 6400 (42DS), 6600 (320DS Turbo), 6600 (420DS), 665S (420D), 6750 (420DWRIE 4.4), 6800 (420DWI), 6850 (420DWRIE 4.4), 800, 8000 (620D), 805, 805-4 (TD44DS8-411DS8 4.4), 8050, 8050 (620DS 6.6), 8100, 8150, 8200, 8350 (620DSI), 8400, 8400 (620DS Turbo), 8450 (620DS Turbo), 8450 (620DWRE 6.6), 8550 (634DSRE 7.4), 865 (420DS Turbo), 8950 (634DSBIE), 900 (420DSRE 4.4), C100 (420DS Turbo), C15, C20 (420DS), C200 (420DS), Mega 8050 (620D), Mega 8150 (620D), Mega 8550 (620DS), Mega 8750 (634 DA), Mega 8750 (634 DS), S260 (645DSBAE 8.4), X120 (420DWRIE 4.4)

OEM *ORIGINAL*

Cargo 231623 **| Iskra** 16902733, 16904847 **| Mahle** MSX356, MSX829

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130692, 11130897, 11131249, AZJ3234, AZJ3319, AZJ3405

99.1601.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11/40**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80/53.60**
IG Ø Interno do Dente	**25.40/48.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**17.00**
L Comprimento	**102.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Besta (2.2 D), Besta (2.5), Besta (2.7) | **Mazda** 323 (2.0 D), 626 (2.0 D) | **Suzuki** Vitara (2.0 D)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mando K71F18400 | **Poong Sung** 031114020

99.1602.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agco Agco / Massey Ferguson / Perkins (M93R12V) | **Massey Ferguson** Colheitadeira / Combine / Cosechadora 3640, Colheitadeira / Combine / Cosechadora 5650 | **Perkins** Trator / Tractor 3152, Trator / Tractor 4203, Trator / Tractor 4236, Trator / Tractor 6305, Trator / Tractor 6354

OEM *ORIGINAL*

Lucas Indiel 229916, 35259916

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259310, 35261175

99.1603.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**76.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins C 6ct 83, C 6cta 83 | **Volkswagen** Titan (Motor Cummins C), Worker (Motor Cummins) | **Zanello** Trator / Tractor 500, Trator / Tractor 540, Trator / Tractor 580, Trator / Tractor 690

OEM *ORIGINAL*

Lucas Indiel 35261134, 35261527

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261135, 35261395, 35261740, 35261780, 35262190

99.1604.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**76.90**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Motor Cummins (6B Eletrônico / Electronic / Electrónico 5.9) **|** **Volkswagen** Caminhão / Truck / Camión Constellation 24250, Ônibus / Bus / Ómnibus (Cummins 6B Eletrônico / Electronic / Electrónico 5.9) **|** **Zanello** Trator / Tractor 160 - PTRAC, Trator / Tractor 180 - PTRAC

OEM *ORIGINAL*

Lucas Indiel 35260958

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259240, 35261770, 35262020, 35262460 **|** **Volkswagen** 2W0911023C

99.1605.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**45.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Pop Pride

OEM *ORIGINAL*

Delco Remy ESP281

99.1607.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai H1 (2.5 TD), H1 (2.5 TD 4WD), H100, HR, Porter (2.5 TD) | **Kia** Bongo (2008), Bongo K2500 (2.5 D), Pregio (2.5 TCID) | **Mitsubishi** Katana, L200 (Diesel), Pajero Classic (2.5 TD), Pajero II (2.5 TD), Pajero II (2.5 TDI), Pajero III (2.5 TDI), Pajero Pinin (2.0 GDI), Pajero Sport (2.5 TD) | **Nissan** Interstar (100 CDI), Interstar (120 CDI), Interstar (90 CDI) | **Opel** Movano (2.2 DTI), Movano (2.5 DTI), Vivaro (2.5 DTI) | **Renault** Avantime (2.2 DCI), Espace IV (2.2 DCI), Laguna II (2.2 DCI), Laguna II Grandtour (2.2 DCI), Master (2010→), Master II (2.2 DCI 90), Master II (2.5 DCI 120), Master III (2.5 DCI), Master III (2.5 DCI 100), Trafic II (2.5 DCI 135), Vel Satis (2.2 DCI)

OEM *ORIGINAL*

Cargo 231932 | **Hyundai** 3616042300 | **Valeo** 0809042, 188993, 594410

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 3610042350, 438158, 438162, 438186, 455899, 455954, 458172, 458178, D7R34, D7R53, D7R56, D7R57, D8R1, DSL42350, TM000A36101

99.1608.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/41**
2T Dois Dentes	**-**
G Ø Externo do Dente	**36.00/64.40**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**92.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Kodiak, Sierra (6.6L Diesel), Silverado (2001~2006), Topkick (6.6L Diesel)

OEM *ORIGINAL*

Cargo 235510, 235628 | **General Motors/Chevrolet** 97209548, 97720446, 97729079 | **Hitachi** S14100D, S14100E, S14101A, S14101B | **Isuzu** 2902769300, 8972095483, 8973291631, 8973828350 | **Lester** 17801 | **WAI** 548157, 5481581

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi OSGR 2.2kW 12v

99.1612.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.38**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**23.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Ranger (1.8)

OEM *ORIGINAL*

Ford 32051112

99.1613.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.38**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**23.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.60**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Ranger (1.6)

OEM *ORIGINAL*

Lucas 11123205

99.1614.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Pick Up Lobo (V6 3L) | **Ssangyong** Actyon (2.0 16v, 2008~2012), Kyron (2.0 16v TDI, 2009~2015), New Actyon Sport (2.0 16v, 2007~2015), Rexton II (2.7 16v TDI, 2006~2012), Rexton RX 270 (2.7 16v XDI, 2005), Rexton W (2.7 16v XDI, 2015)

OEM *ORIGINAL*

Delco Remy 10452918, 93740890, 93743380 | **General Motors/Chevrolet** 93743387 | **Krauf** SDD2918 | **Ssangyong** 6611513040

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Remy 8000203, 8000959, 9000869 | **Ssangyong** 6611513801, 66115141101

99.1615.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**68.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mahindra JEEP MM (MDI 3000)

OEM *ORIGINAL*

Lucas 26257341 | **Mahindra** 4001115632A

99.1616.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**76.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bedford TL 1000 330, TL 1260 330, TL 1630 330 (Turbo 107 bhp), TL 860 330 | **Case** 1394, 1494, 1594, 1690, 1694, 1820, TX36 | **Hymac** 1080, 1290, 580, 590, 595, 596, 690, 880C | **JCB** 420, 430, 4CX Intercooler, 4CX Turbocharged, 807C, 811, 812, 814, 817, 818, 820, Fastrac (635) 125, Fastrac (635) 145, Fastrac (636) 125, Fastrac (636) 135, Fastrac (636) 155, Fastrac (636) 187 | **Landini** 10000S (A6354.4), 12500 (A6354.4), 13000 (A6354.4), 14500 (AT6354.4), 65 (A4236), 6560 (F / L / V A4236), 6860 (A4236), 6880 (A4236), 75 (A4236), 7560 (F / L A4236), 7860 (A4236), 7880 (A4236), 85 (A4248), 8560 (F / L A4248), 8860 (A4248), 8880 (A4248), 9080 (T4236), 95 (T4236), 9880 (T4236), C75 (A4236), C85 (A4248), C95 (T4236), CF 6830 (A4236), CF 75 (A4236), CF 85 (A4248) | **Mahindra**

Especial / Special **|** **Massey Ferguson** MF 102 (Perkins A6372), MF 102 (Perkins AT6354), MF 105, MF 1080 (Perkins A4318), MF 1080 (S-4RM-Perkins A4318), MF 1085 (A4318), MF 11, MF 1100 (Perkins A6354), MF 1104, MF 1114 (Perkins A6354), MF 1250 (Perkins A63544), MF 178 (Perkins A4248), MF 186, MF 201, MF 205, MF 206, MF 207, MF 3060, MF 3065, MF 307, MF 3070 (Perkins AT4236), MF 30D, MF 374 (S, V, F-Perkins A4236), MF 394 (S, F-Perkins A4248), MF 487, MF 50 (10TD Perkins A4212), MF 50 (10TD Perkins A4236), MF 50 (10TD Perkins A4318), MF 50 (9TD Perkins A4212), MF 50 (9TD Perkins A4236), MF 506, MF 510, MF 520 (Perkins A6354), MF 525 (Perkins A6354), MF 592 (Perkins A4318), MF 595 (Perkins A4318), MF 6150 (1004-4THR), MF 6160 (1006-6), MF 620 (Perkins A6372), MF 625 (Perkins A6372), MF 675 (10TD Perkins A4236), MF 675 (9TD Perkins A4236), MF 685, MF 690 (10TD Perkins A4248), MF 690 (9TD Perkins A4248), MF 9500 (Perkins A6354), TX 45 **|** **New Holland** 158, 175, 2000, 201, 2514 (E 256 C.I), 256, 2600, 2610, 2810, 2910, 3000, 3230 (BSD332), 3310 (01.91, ←01/1991), 3310X4 (01.91, ←01/1991), 3430, 3600, 3610, 3900, 3910 (←01/1991), 3910H, 3930H, 4000, 401 (C.I), 401 (C.I, ←01/1991), 4100, 4130H (4.4), 444 (01.91, ←01/1991), 4600, 4610 (←01/1991), 4630, 5000, 550, 555, 5600, 5610 (←01/1991), 5640 Powerstar, 5700, 5900, 620 Combine (←01/1991), 622 Combine (←01/1991), 654 County, 655 A, 6600, 6610 (←01/1991), 6700, 6710 (←01/1991), 6810, 7000, 7410, 754 County, 7600, 7610, 764 County, 7700, 7710 (←01/1991), 774 County, 7810, 7910, 8000, 8200 (←01/1991), 8260 Powerstar (7.5), 8530, 8600, 8630, 8700, 8830, 9000, 910 Speed Power (←01/1991), 912 Speed Power (←01/1991), 944 County, 9600, 964 County, 9700, 974 County, BSD442, M Serie 7,5 (←09/1995), NH95 (M8Y, ←01/1996), P357 (←01/1991), P358 (←01/1991), Series 10L / Cab **|** **Renault Agriculture** 70-12 SP (Perkins 4236), 70-14 SP (Perkins 4236), 70-32 PA / PE / PS / PX (Perkins 4236), 70-34 PA / PE / PS / PX (Perkins 4236), 701-4F (Perkins 4236), 80-12 SP (Perkins 4248), 80-14 SP (Perkins 4248), 80-32 PA / PE / PS / PX (Perkins 4248), 80-34 PA / PE / PS / PX (Perkins 4248), Ceres 75 (2x4 Perkins 4236), Ceres 75 (4x4 Perkins 4236), Ceres 75X (2x4 Perkins 4236), Ceres 75X (4x4 Perkins 4236)

OEM *ORIGINAL*

Cargo 139520 **|** **Iskra** 16901694 **|** **Krauf** SDI9520 **|** **Mahle** MSX734

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130509, 11130520, 11130526, 11130579, 11130624, 11130627, 11130629, 11130631, 11130632, 11130659, 11130711, 11130875, 11130890, 11130998, 11131018, 11131626, 11131635, AZJ3144, AZJ3148, AZJ3151, AZJ3182, AZJ3198, AZJ3201, AZJ3203, AZJ3205, AZJ3206, AZJ3212, AZJ3248, AZJ3306, AZJ3315, AZJ3352, AZJ3357, AZJ3445, AZJ3447 **|** **Mahle** MS149, MS228, MS267, MS268, MS273, MS307, MS343, MS345, MS346, MS347, MS357, MS368, MS374, MS385, MS49, MS95

99.1617.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Focus (L4 Automático / Automatic), Focus (L4 Manual), Ranger (Duratec HE 2.3)

OEM *ORIGINAL*

Lucas Indiel 35261112, 35262929

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261260, 35261295, 35261640

99.1618.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Master (Eletrônico / Electronic / Electrónico DCI 120, 2005)

OEM *ORIGINAL*

Cargo 236270 **| Valeo** 191363, 594657

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 8200225336, D7G11

99.1619.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Musso (2.3) **| Mercedes-Benz** 190 (1.8), 190 (2.0), 190 (2.0 E), 190 (2.3 E), 190 (2.5 16v), C 180 (Kompressor), C 200 (Kompressor), C 220, C 230, C 230 (Kompressor), CLK 200 (Kompressor), CLK 230 (Kompressor), E200 (Kompressor), Sprinter 214, Sprinter 314, Sprinter 414 (2.3), V 200, V 230, Vito (2.0 113), Vito (2.0 114) **| Opel** Astra (1.2 16v), Astra (1.4 16v), Astra (1.6 16v), Astra (1.6i), Corsa (1.0 12v), Corsa (1.2 16v), Corsa (1.4 16v), Corsa (1.6i), Corsa (1.8 16v), Meriva, Tigra, Vectra (1.4 16v), Vectra (1.6 16v) **| Vauxhall** Corsa (1.0 12v), Corsa (1.2 16v), Corsa (1.4 16v), Corsa (1.6i), Corsa (1.8 16v) **| Volkswagen** Passat Alemão

OEM *ORIGINAL*

Bosch 1006209793, 1006209801, 1006209807 **| Cargo** 234247

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107401, 0001107402, 0001107403, 0001107404, 0001107405, 0001107406, 0001107408, 0001107409, 0001107421, 0001107427, 0001107428, 0001107435, 0001107436, 0001107446, 0001107447

99.1620.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**64.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Damas, Lanos, Matiz, Rezzo

OEM *ORIGINAL*

Delco Remy 10475540 | **ERA** 225688 | **Krauf** SDD8761 | **Suzuki** 31320A80D00, 31320A80D0000

99.1621.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Trator / Tractor 4230 (CAT 3126 M790), Trator / Tractor 4230.4 (CAT 3126 M790)

OEM *ORIGINAL*

Lucas Indiel 35260975 | **Prestolite** 35260975

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35260890 | **Prestolite** 35260890

99.1622.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agco Especial / Special (M93R 12v) | **International** Jacto (Perkins 1006T), Retroescavadeira / Backhoe Excavator / Retroexcavadora (Maxion S4) | **Massey Ferguson** Maxion 3000 (Perkins 4000 4.1), MF 275 (Perkins P4000 4.1), MF 283 (Perkins P4000 4.1), MF 290 (Perkins P4000 4.1), MF 292 (Perkins P4000 4.1), MF 5275 (Perkins Serie 4.41 4.1), MF 5285 (Perkins Serie 4.41 4.1), MF 5290 (Perkins Serie 4.41 4.1), MF 5300 (Perkins 1004 4T 4.0), MF 5310 (Perkins 1004 4T 4.0), MF 86HS (Perkins 4.236 4.0), MF 96 (Perkins 4000 4.1), MF265 (Perkins A4.236 3.9)

OEM *ORIGINAL*

Lucas Indiel 229278, 35259278 | **Prestolite** 229278, 35259278

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259300, 35260940, 35260950, 35261070 | **Prestolite** 35260940, 35260950, 35261070

99.1623.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**77.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo (Cummins ISBE 6 cil / cyl), F12000 (Cummins B Aftercooler 5.9), F14000 (Cummins B Aftercooler 5.9), F16000 (Cummins B Aftercooler 5.9) | **Volkswagen** Caminhão / Truck / Camión (Cummins B Eletrônico / Electronic / Electrónico)

OEM *ORIGINAL*

Lucas Indiel 226660, 35260999 | **Prestolite** 226660, 35260999

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259880, 35261120, 35261155, 35262580 | **Prestolite** 35259880, 35261120, 35261155

99.1624.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 440, 450, 455, 50, 60, 65, 70, 80, 85 | **Ford** 3010S (1992~1996), 3830 (1992~1996), 4010S (1992~1996), 4030 (1992~1996), 5010S (1996→), TN55, TN55D, TN55S, TN65, TN65 (Turf), TN65D, TN65S, TN65V, TN70, TN70D, TN70S, TN75, TN75D, TN75S, TN75V | **New Holland** Especial / Special, Trator / Tractor

OEM *ORIGINAL*

Bosch 6033AD0331

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223503, 0001223504, 0001362105 | **Iveco** 500338953 | **Lucas Indiel** LRS01976, LRS1976 | **Magneti Marelli** MSN2036

99.1629.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**57.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz E 270 (CDI), E 320 (CDI), ML 270 (CDI), S 320 (CDI), Sprinter (2.3, 2000~2003), Sprinter 216, Sprinter 316, Sprinter 416 (CDI)

OEM *ORIGINAL*

Bosch 6033AD0218 | **Cargo** 234168, 333222 | **Magneti Marelli** 9401132020477 | **Stemot** 13218 | **Visnova** 624210

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223005, 0001223006 | **Mercedes-Benz** 51512501

99.1630.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.00**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**65.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 156, 166 (2.4 TD) | **BMW** 325, 525, 725 (2.5 TD) | **Fiat** Brava (1.9 TD), Bravo (1.9 TD), Marea (1.9), Marea (2.4 TD) | **Lancia** K (2.4 TD) | **Opel** Omega (2.5 TD)

OEM *ORIGINAL*

Cargo 138985 | **Fiat** 9947748 | **Krauf** SDE8449 | **Magneti Marelli** 85541160 | **Stemot** 00014 | **Visnova** 214120

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 46454895, 46463250 | **Magneti Marelli** 63114008, 63114010, 63222005

99.1631.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**23.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**60.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A4 (2.5 TDI), A6 (2.5 TDI), A8 (2.5 TDI), Quattro | **Skoda** Superb (2.5 TDI) | **Volkswagen** 4Motion, Passat (2.5 TDI), Syncro

OEM *ORIGINAL*

Bosch 1006209666, 1006209791, 1006209936, 1006210121, 1006210163 | **Cargo** 234158, 333236 | **Magneti Marelli** 940113020479 | **Stemot** 11666 | **Visnova** 624220

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109021, 0001109022, 0001109066, 0001109067

99.1632.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6), A3 (1.6 FSI), A3 (2.0 FSI) **|** **Seat** Altea (1.6), Altea (2.0 FSI), Cordoba (1.2), Cordoba (1.4 16v), Cordoba (1.6), Ibiza (1.2), Ibiza (1.4 16v), Ibiza (1.6), Stella **|** **Skoda** Fabia (1.2), Fabia (1.4 16v) **|** **Volkswagen** Beetle (2005~2009), Bora (1.6 FSI), Bora (2.0 FSI), Caddy (1.4), Golf (2005~2009), Golf (1.4 16v), Golf (1.4 FSI), Golf (1.6 FSI), Golf (2.0 FSI), Jetta (2005~2009), Multivan (2.0), Polo (1.4 16v), Polo (1.4 FSI), Touran (1.6), Touran (1.6 FSI), Touran (2.0 FSI), Transporter (2.0)

OEM *ORIGINAL*

Bosch 1006209806

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001120400, 0001120401, 0001120404, 0001120405, 0001120406, 0001120407, 0001120408, 0001120409, 0001120410, 0001120411, 0001121408, 0001121409, 0001121410, 0001121411, 0001122400, 0001122401

99.1633.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Trator / Tractor T3230 (4 Série Brasil), Trator / Tractor T5045 (4 Série Brasil)

99.1635.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.55**
G Ø Externo do Dente	**37.18**
IG Ø Interno do Dente	**24.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F1000 (Maxion HS 4 cil / cyl 2.5), Ranger (Maxion HS 4 cil / cyl 2.5) | **General Motors/Chevrolet** Blazer (Maxion HS 4 cil / cyl 2.5), S10 (Maxion HS 4 cil / cyl 2.5) | **International** Matra (Maxion HS 4 cil / cyl 2.5), Retroescavadeira / Backhoe Excavator / Retroexcavadora (Maxion HS 4 cil / cyl 2.5) | **Land Rover** Defender (Gemini III 4 cil / cyl 2.5), Discovery (Gemini III 4 cil / cyl 2.5) | **Mercedes-Benz** Sprinter (Maxion HS 4 cil / cyl 2.5) | **Troller** T4

OEM *ORIGINAL*

Lucas Indiel 229023

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35258490, 35258660, 35259040, 35259400, 35260828

99.1636.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Trator / Tractor 4100, Trator / Tractor 4100.4

OEM *ORIGINAL*

Lucas Indiel 229902, 35259902

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259570

99.1637.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Colheitadeira / Combine / Cosechadora 1165, Colheitadeira / Combine / Cosechadora 1175, Colheitadeira / Combine / Cosechadora 1450, Trator / Tractor 6605 (6 cil / cyl), Trator / Tractor 7500, Trator / Tractor 7505 (6 cil / cyl)

OEM *ORIGINAL*

Lucas Indiel 229912 | **Prestolite** 229912

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

John Deere AJ59342, AJ60123, RE509856, RE509857 | **Lucas Indiel** 35259390, 35259590, 35259600, 35259690

99.1638.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**69.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Caminhão / Truck / Camión 1316 (OM352), Caminhão / Truck / Camión 1316 (OM352A), Caminhão / Truck / Camión 1513 (OM352), Caminhão / Truck / Camión 1513 (OM352A), Ônibus / Bus / Ómnibus O364 (OM352), Ônibus / Bus / Ómnibus O364 (OM352A) | **New Holland** Colheitadeira / Combine / Cosechadora NH8040, Colheitadeira / Combine / Cosechadora NH8255 | **Toyota** Bandeirante (OM364)

OEM *ORIGINAL*

Bosch F000AL2617

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0128

99.1641.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 500 (1.3 D Multijet), Doblò (1.3 JTD Multijet), Grand Punto (1.3 JTD Multijet), Idea (1.3 JTD Multijet), Panda (4x4 1.3 JTD Multijet), Punto (1.3 JTD Multijet) | **Lancia** Musa (1.3 JTD Multijet), Ypsilon (1.3 JTD Multijet) | **Opel** Agila (1.3 CDTI), Astra (1.3 CDTI), Combo (1.3 CDTI), Corsa (1.3 CDTI), Tigra TwinTop (1.3 CDTI)

OEM *ORIGINAL*

Bosch 1006209796, F002G20479 | **Cargo** 236832, 333198 | **Krauf** SDB1832, SDB9832 | **Opel** 93180118

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107429, 0001107437, 0986021240

99.1642.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**13.25**
G Ø Externo do Dente	**38.80**
IG Ø Interno do Dente	**28.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper | **Fiat** Ducato | **Ford** Transit | **Land Rover** Defender (2.4 TD4, 2007→) | **Peugeot** Boxer, Boxer (2.2 HDI, 2006→)

OEM *ORIGINAL*

Bosch 1006209824, 1006209966, 1006210128, 1006210146 | **Cargo** 330265, 333188, 335231 | **Magneti Marelli** 940113170483 | **Stemot** 11824 | **Visnova** 624240

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109205, 0001109304, 0001109305, 0001109388, 0986021810 | **Cargo** 330265 | **Ford** 0001109388

99.1643.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**58.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper | **Peugeot** 406, 605, 607, 807, Boxer (2.5 TDI, 1994~2002)

OEM *ORIGINAL*

Bosch 6033AD0004 | **Cargo** 233836, 333593

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223001, 0986016950

99.1646.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.37**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**27.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

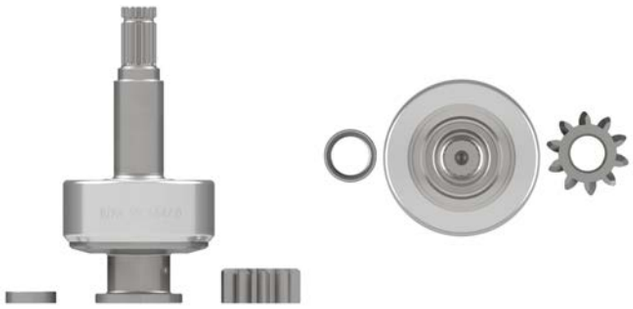
APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda Mazda B2000

OEM *ORIGINAL*

Mazda F8RU88D004

99.1647.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**17/10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**14.10/32.10**
IG Ø Interno do Dente	**12.80/22.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**117.40**

Pinhão BZM 99.4991.0 acompanha a peça/99.4991.0 BZM Pinion acompanies the part/Piñón BZM 99.4991.0 viene con la pieza

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere 1420 (3 cil / cyl), 1420 (4 cil / cyl), 2140 (4239D), 2140 (6359), 2330 (3 cil / cyl), 2330 (4 cil / cyl), 2420 (3 cil / cyl), 2420 (4 cil / cyl), 2530 (3 cil / cyl), 2530 (4 cil / cyl), 2730 (3 cil / cyl), 2730 (4 cil / cyl), 2850 (4239D), 2850 (6359), 3140 (4239D), 3140 (6359), 3350 (4239D), 3350 (6359), 3420, 3530, 3540 (4239D), 3540 (6359), 3550 (4239D), 3550 (6359), 4420, 4530 (6 cil / cyl), 5320N (3029T 3 cil / cyl 2.9), 5410 (4.5 4 cil / cyl), 5520N (4045T 4 cil / cyl 4.5), 5600 (4039D 3.9), 5649, 5700 (4039T 4 cil / cyl 3.9), 627, 6300 (4039T 4 cil / cyl 3.9), 6600 (6059T 6 cil / cyl 5.9), 727 (6 cil / cyl), Trator de Esteira / Track-Type Tractor / Buldócer 570, Trator de Esteira / Track-Type Tractor / Buldócer 570A

OEM *ORIGINAL*

Lucas Indiel K01554 | **Prestolite** 35261543

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261385

99.1648.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Motor (8.3) | **Ford** Cargo 1622 (Cummins 6CTAA 8.3), Cargo 2422 (Cummins 6CTAA 8.3), Cargo 2425 (Cummins 6CTAA 8.3), Cargo 2425 Mixer (Cummins 6CTAA 8.3), Cargo 2630 (Cummins 6CTAA 8.3) | **International** Navistar DT360 (5.9), Navistar DT446 (L6 7.6)

OEM *ORIGINAL*

Krauf SDP7746 | **Lucas Indiel** 35260838, 35260875

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259450, 35259730, 35259810, 35260870, 35261050, 35261160

99.1650.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**36.30**
IG Ø Interno do Dente	**24.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper (2.8 HDI), Relay (2.8 HDI) | **Fiat** Ducato (2.3 JTD), Ducato (2.8 JTD) | **Fiat Iveco** Daily III (2.4), Daily III (2.8), Micro Ônibus / Micro Bus / Micro Ómnibus City Plus (2009) | **Peugeot** Boxer (2.8 HDI)

OEM *ORIGINAL*

Bosch 1006209818, 1006209964, 1006210111, 1006210149 | **Cargo** 237667 | **Iveco** 500053567, 50053567

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109300, 0001109301, 0001109306, 0001109307, 0986021640 | **Citroën** 5802AQ | **Fiat** 1347058080, 63521093, MSN2026 | **Iveco** 55195970 | **Lucas Indiel** LRS02223, LRS2223 | **Peugeot** 5802AQ

99.1651.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12(6)**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Original de 6 estrias, reforçada para 12 EstriasOriginal 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Puma Ônibus / Bus / Ómnibus

OEM *ORIGINAL*

Lucas Indiel 35259978

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261130 **| Magneti Marelli** 943252201 **| Mercedes-Benz** 0011519601, 0031510401 **| Prestolite** 35259780

99.1655.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**103.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi S3 Quattro, TT (Coupé 1.8) **| Linde** Empilhadeira / Forklift / Apiladora **| Seat** Alhambra (1.9 TDI), Leon (1.8), Leon (2.8 V6), Leon Cupra 4 **| Volkswagen** Bora (1.9 TDI), Caravelle (2.5), Caravelle (2.8 TDI), Golf (1.9 TDI), Sharan (1.9 TDI)

OEM *ORIGINAL*

Bosch 1006209681, 1006209943

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001125016, 0001125017, 0001125018, 0001125019, 0001125046, 0001125047, 0001125048, 0001125049, 0001125605, 0001125606

99.1658.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19**
2T Dois Dentes	
G Ø Externo do Dente	**20.80**
IG Ø Interno do Dente	**18.90**
ID Ø da Bucha	**18.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**7**
ES Ø Externo da Estria	**25.40**
IS Ø Interno da Estria	**22.10**
L Comprimento	**130.00**

Aplicado na planetária/Applied in planetary/Aplicado en planetaria
1310341858

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12839.0 / Uses 99.12839.0 BZM Pinion / Utiliza Piñion BZM 99.12839.0 **| Scania** Euro 3 (P 470 DT 12.06), Euro 3 (R 420 DC 12.14), Euro 3 (R 470 DT 12.06), Euro 3 (T 340 DC 11.08), Euro 3 (T 380 DC 11.09), Euro 3 (T 420 DC 12.14), Euro 3 (T 470 DT 12.06), Euro 4 (P 230 DC 9.16), Euro 4 (P 270 DC 9.17), Euro 4 (P 310 DC 9.18), Euro 4 (P 340 DC 12.10), Euro 4 (P 380 DC 12.13), Euro 4 (P 420 DT 12.12), Euro 4 (P 480 DT 12.17), Euro 4 (R 420 DT 12.11), Euro 4 (R 470 DT 12.03), Euro 4 (T 420 DT 12.11), Euro 5 (P 380 DC 12.18), Euro 5 (P 420 DC 12.15), Euro 5 (R 420 DC 12.15)

OEM *ORIGINAL*

Bosch 6033AD5055, 6033ad5078, 6033AD5355, 6033AD5356 | **DAF** 1679152

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001241001, 0001241003, 0001241004, 0001241005, 0001241006, 0001241007, 0001241008, 0001241009, 0001241014, 0001241015, 0001241016, 0001241019, 0001241020, 0001241021, 0001241023, 0001241024, 0001241119, 0001261001, 0001261002, 0001261004, 0001261006, 0001261008, 0001261013, 0001261026

99.1658.1





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19**
2T Dois Dentes	**-**
G Ø Externo do Dente	**20.80**
IG Ø Interno do Dente	**18.90**
ID Ø da Bucha	**18.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**7**
ES Ø Externo da Estria	**25.40**
IS Ø Interno da Estria	**22.10**
L Comprimento	**127.50**

Aplicado nas planetárias/Applied in planetaries/Aplicado en planetarios:
3130401018, 3180970414, 3290600644

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12839.0 / Uses 99.12839.0 BZM Pinion / Utiliza Piñion BZM 99.12839.0 | **Scania** Euro 3 (1998~2012), Euro 4 (1998~2012)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001241001, 0001261002

99.1661.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**26**
2T Dois Dentes	**-**
G Ø Externo do Dente	**18.85**
IG Ø Interno do Dente	**17.45**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**68.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**25.00**
IS Ø Interno da Estria	**22.10**
L Comprimento	**133.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12972.0 / Uses 99.12972.0 BZM Pinion / Utiliza Piñion BZM 99.12972.0 | **Renault** Kerax, Magnum, Premium | **Volkswagen** Caminhão / Truck / Camión 26.260 (2008) | **Volvo** Caminhão / Truck / Camión FH, Caminhão / Truck / Camión FM

OEM *ORIGINAL*

Cargo 237105 | **Krauf** SDM6071 | **Mitsubishi** M191T93871, M191T94071, M191X94071

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M009T61671, M009T62571, M009T62572

99.1666.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**14.80**
IS Ø Interno da Estria	**12.60**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Doblò, Idea, Marea, Novo Uno, Palio, Strada

OEM *ORIGINAL*

Bosch F000CD1009, F000CD1444 | **ERA** 225710 | **Fiat** 51888915, 7088643 | **Krauf** SDB1666

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000CD0001, F000CD0900, F000CD0901, F000CD0903, F000CD0905 | **Fiat** 51888915

99.1667.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.60**
IG Ø Interno do Dente	**13.30**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**140.00**

Utiliza pinhão BZM 99.13021.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.13021.0 / Uses 99.13021.0 BZM Pinion / Utiliza Piñion BZM 99.13021.0 | **Kia** Besta (2.7), Bongo

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mando MG122423, MG122565

99.1673.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CCW**
D Ø da Capa	**39.50**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**14.20**
L Comprimento	**37.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Motor de Popa / Outboard Engine / Motor Fueraborda | **Mercury** 40-150HP (V6) | **OMC** V4, V6, V8

OEM *ORIGINAL*

Mercury Marine 685753 | **OMC** 385949 | **Raisman** OM90090

99.1674.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**23.50**
IG Ø Interno do Dente	**15.25**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**14.80**
IS Ø Interno da Estria	**12.60**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Logan, Megane (2008→), Sandero

OEM *ORIGINAL*

Bosch F000CD1114, F002G20709

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000CD0002, F000CD0202, F000CD0A02

99.1675.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.75**
G Ø Externo do Dente	**32.95**
IG Ø Interno do Dente	**23.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**58.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250 (2002→), F350 (2002→), F4000 (Cummins, ←02/2009)

OEM *ORIGINAL*

Bosch F000AL2638

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0130, F000AL0151 | **Ford** 7C3511001AA

99.1676.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12/44**
2T Dois Dentes	**-**
G Ø Externo do Dente	**37.26/64.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**92.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford 3.6kW, F Series (Diesel)

OEM *ORIGINAL*

Ford VP7C3U11350AB

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 2C3T11000AA, 7C2T11000BA, 7C3T11000AA, 7C3T11000AB, 7C3T11000BA, 7C3Z11002AA, BC3T11000AB, BC3Z11002A, SA1004

99.1677.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**18**
2T Dois Dentes	**-**
G Ø Externo do Dente	**13.20**
IG Ø Interno do Dente	**11.85**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.40**
L Comprimento	**89.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Edge (V6 3.5L 3496cc 213cid, 2007~2016), Edge (V6 3.7L 3726cc 227cid, 2011~2014), Explorer (V6 3.5L 3490cc 213cid, 2013), Explorer (V6 3.5L 3496cc 213cid, 2011~2016), Flex (V6 3.5L 3496cc 213cid, 2009~2016), Lincoln MKS (V6 3.5L 3490cc 213cid, 2011~2012), Lincoln MKS (V6 3.5L 3496cc 213cid, 2010~2016), Lincoln MKS (V6 3.7L 3726cc 227cid, 2009~2016), Lincoln MKT (V6 3.5L 3496cc 213cid, 2010~2016), Lincoln MKT (V6 3.7L 3726cc 227cid, 2010~2016), Lincoln MKX (V6 3.5L 3496cc 213cied, 2007~2010), Lincoln MKX (V6 3.7L 3726cc 227cid, 2011~2016), Lincoln MKZ (V6 3.7L 3726cc 227cid, 2013~2016), Mercury Sable (V6 3.5L 3496cc 213cid, 2008~2009), Police Interceptor Sedan (V6 3.5L 3496cc 213cid, 2013~2016), Police Interceptor Sedan (V6 3.7L 3726cc 227cid, 2013~2016), Taurus (V6 3.5L 3496cc 213cid, 2008~2016), Taurus X (V6 3.5L 3496cc 213cid, 2008~2009)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 8G1T11000AA, 8G1T11000AB, 8G1Z11002A, 8G1Z11002B, VP8G1U11350AA

99.1678.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.10**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Claas Trator / Tractor (6.8L DPS 6068TRT 6 cil / cyl 147HP, 01/2003~12/2005) **|** **Lovol** Motor 1004-4 (Perkins) **|** **Massey Ferguson** Colheitadeira / Combine / Cosechadora (Perkins 1006-60), MF4292, MF5465 (Perkins 6 cil / cyl), MF8140 (620DE), MF8150 (620DS), MF8160 (634DS), MF8210 (155 HP), MF8220, MF8250 (634DWE 7.4L) **|** **New Holland** Trator / Tractor **|** **Perkins** Motor / Engine 1006-6 (6 cil / cyl 6.6L), Motor / Engine 1006-60 (6.6L) **|** **Valtra** BT150 (Sisu 620DS 6 cil / cyl 150HP 6.6L, 08/2009→), BT170 (Sisu 620DS 6 cil / cyl 170HP 6.6L, 08/2009→), BT190 (Sisu 620DSA 6 cil / cyl 190HP 6.6L, 08/2009→), BT210 (Sisu 634DSA 6 cil / cyl, 08/2009→), Trator / Tractor

OEM *ORIGINAL*

Cargo 333674 **|** **Iskra** 16902379, 16902382 **|** **Mahle** MSX483, MSX602 **|** **Stemot** 01039

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130904, 11130941, 11131060, 11131065, 11131092, 11131145, 11131191, 11131227, 11131228, 11131237, 11131370, 11131375, 11131382, 11131397, 11131430, 11131433, 11131436, 11131464, 11131488,

11131507, 11131508, 11131520, 11131550, 11131611, 11131612, 11131613, 11131640, 11131658, 11131705, 11131706, 11131709, 11131763, 11131782, 11131783, 11131784, 11131792, 11131811, 11131856, 11131893, 11131894, 11131896, 11131897, 11131898, 11131900, 11131930, 11131945, 11131965, 11131987, 11132012, 11132056, 11132069, 11132070, 11132073, 11132118, AZF4102, AZF4115, AZF4116, AZF4119, AZF4122, AZF4129, AZF4131, AZF4132, AZF4135, AZF4143, AZF4158, AZF4159, AZF4160, AZF4164, AZF4170, AZF4183, AZF4184, AZF4185, AZF4196, AZF4204, AZF4205, AZF4206, AZF4208, AZF4214, AZF4228, AZF4242, AZF4243, AZF4245, AZF4246, AZF4247, AZF4248, AZF4254, AZF4258, AZF4260, AZF4266, AZF4270, AZF4283, AZF4287, AZF4288, AZF4291, AZF4304, AZF4520, AZF4524, AZF4541, AZF4542, AZF4550, AZF4553, AZF4562, AZF4568, AZF4569, AZF4570, AZF4595, AZF4597, AZF4598

99.1679.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**21**
2T Dois Dentes	**-**
G Ø Externo do Dente	**16.50**
IG Ø Interno do Dente	**14.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**7**
ES Ø Externo da Estria	**21.10**
IS Ø Interno da Estria	**18.10**
L Comprimento	**131.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 10.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 13000 (MWM 6.10 TCA), Caminhão / Truck / Camión 14.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 14.000 6X2 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 6000 (MWM 4.10 TCA), Caminhão / Truck / Camión 6000 (MWM 4.12 TCE), Caminhão / Truck / Camión 8500 (MWM 4.10 TCA), Caminhão / Truck / Camión 8500 (MWM 4.12 TCE), Caminhão / Truck / Camión 9200 (MWM 4.10 TCA), Caminhão / Truck / Camión 9200 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 10.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 10.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 12.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 15.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 15.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 7.9 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 7.9 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 8.5 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 8.5 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 9.2 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 9.2 (MWM 4.12 TCE), Chassi / Chassis / Chasi MT 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MT 12.0 (MWM 4.12 TCE), Furgovan 8000 (MWM 4.10 TCA), Ônibus / Bus / Ómnibus MA 10.0 (MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 12.0 (MWM MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MA 15.0 (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 9.2 (MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MT 15.0 LE (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus V8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus Volare V8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W9 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus W8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus W9 (MWM 4.12 TCE, 2008→) | **BZM** Utiliza Pinhão BZM 99.12954.0 / Uses 99.12954.0 BZM Pinion / Utiliza Piñion BZM 99.12954.0, Utiliza Pinhão BZM 99.12955.0 / Uses 99.12955.0 BZM Pinion / Utiliza Piñion BZM 99.12955.0, Utiliza Pinhão BZM 99.12956.0 / Uses 99.12956.0 BZM Pinion / Utiliza Piñion BZM 99.12956.0, Utiliza Pinhão BZM 99.12957.0 / Uses 99.12957.0 BZM Pinion / Utiliza Piñion BZM 99.12957.0, Utiliza Pinhão BZM 99.12961.0 / Uses 99.12961.0 BZM Pinion / Utiliza Piñion BZM 99.12961.0 | **Case** Motoniveladora / Motor Grader / Motoniveladora 845, Motoniveladora / Motor Grader / Motoniveladora 845 (Transmissão / Transmission / Transmisión ZF), Motoniveladora / Motor Grader / Motoniveladora 845.2, Motoniveladora / Motor Grader / Motoniveladora FG 140.2, Motoniveladora / Motor Grader / Motoniveladora RG140B, Pá Carregadeira / Wheel Loader / Pala Cargadora 521D, Pá Carregadeira / Wheel Loader / Pala Cargadora 621D, Pá Carregadeira / Wheel Loader / Pala Cargadora W130, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 | **Delco Remy** 29 MT Geração / Generation / Generación II (Antigo / Old / Antiguo) | **Fiat Allis** Pá Carregadeira / Wheel Loader / Pala Cargadora FR128, Trator de Esteira / Track-Type Tractor / Buldócer 7D | **Ford** Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión

C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011) | **Freightliner** Caminhão / Truck / Camión M2 (Motor MB906 / 904) | **Mercedes-Benz** Axor 1419 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1419 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1719 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1719 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1729S (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1729S (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2426 (6x2 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2426 (6x2 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM926), Caminhão / Truck / Camión 1215, Caminhão / Truck / Camión 1218EL, Caminhão / Truck / Camión 1218L, Caminhão / Truck / Camión 1418 EL, Caminhão / Truck / Camión 1418L, Caminhão / Truck / Camión 1418R (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1418R (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1718, Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1725, Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 712C, Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 714C, Caminhão / Truck / Camión 715, Caminhão / Truck / Camión 915C, Caminhão / Truck / Camión Accelo 1016 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Accelo 815 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT) | **Navistar** Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro II), Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro III) | **New Holland** Motoniveladora / Motor Grader / Motoniveladora 140, Pá Carregadeira / Wheel Loader / Pala Cargadora 12C, Trator de Esteira / Track-Type Tractor / Buldócer 7D | **Volkswagen** Caminhão / Truck / Camión 10-150E (06/2009→), Caminhão / Truck / Camión 13180E (06/2009→), Caminhão / Truck / Camión 15190E (06/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 17250E (Cummins

ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, 10/2009→), Caminhão / Truck / Camión 8-150 (Eletr Delivery Puls, 06/2009→), Caminhão / Truck / Camión 9-150E (06/2009→), Caminhão / Truck / Camión 9150 (Eletr Delivery-Cummins, 01/2010→), Caminhão / Truck / Camión Constellation 13180 (MWM 6 cil / cyl), Caminhão / Truck / Camión Constellation 13180 (MWM Eletrônico / Electronic / Electrónico 4 cil / cyl), Caminhão / Truck / Camión Constellation 15180 (MWM Eletrônico / Electronic / Electrónico 6 cil / cyl) **| Volvo** VM 210 (MWM 4.12TCE, ←12/2011), VM 210 (MWM 6.12 TCE, ←12/2011), VM 260 (MWM 4.12 TCE, ←12/2011), VM 260 (MWM 6.12 TCE, ←12/2011), VM 310 (MWM 4.12 TCE, ←12/2011), VM 310 (MWM 6.12 TCE, ←12/2011)

OEM *ORIGINAL*

Delco Remy 10515810, 10515811

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011400, 19011402, 19011403, 19011407, 8200003, 8200004, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200196, 8200231, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200564, 8200816, 8200826, 8200848, 8200853, 8200854, 8200875, 8200882, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890

99.1680.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**71.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Omega (4.1 CD)

OEM *ORIGINAL*

Mitsubishi M191T15171

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10455711

99.1681.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**-**
G Ø Externo do Dente	**32.28**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**51.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tata Indica

OEM *ORIGINAL*

Tata 26245134

99.1684.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.75**
G Ø Externo do Dente	**32.95**
IG Ø Interno do Dente	**23.60**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**80.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250

OEM *ORIGINAL*

Lucas Indiel 35260967

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 2C3511001BA, XC3511000CA, XC3U11000CA | **Lucas Indiel** 35259900, 35261760, 35262570

99.1685.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A1 (2.0 TFSI Quattro, 2012), A3 (1.8 TFSI Sportback, 06/2007~06/2008) **| Fiat** Bravo (E-Torq 1.6 16v), Bravo (E-Torq 1.8 16v), Doblò (E-Torq 1.6 16v), Doblò (E-Torq 1.8 16v), Grand Siena (1.6 16v), Idea Adventure (1.8 16v), Palio (E-Torq 1.6 16v), Palio (E-Torq 1.8 16v), Punto (E-Torq 1.6 16v), Punto (E-Torq 1.8 16v), Strada (E-Torq 1.6 16v), Strada (E-Torq 1.8 16v) **| Volkswagen** EOS (2.0 FSI, 09/2007~05/2008), Jetta (2.0 Total Flex, 10/2010→), Jetta (2.0 TSI, 10/2010→), Jetta (2.5, 07/2007~10/2010), Jetta (Variant 2.5, 06/2008~12/2012), Passat (2.0 FSI, 03/2005~07/2010), Passat (2.0 TSI, 11/2005~02/2008), Tiguan (2.0 TSI 4motion, 11/2007~05/2011)

OEM *ORIGINAL*

Bosch 1006209813, 1006210241

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001121402, 0001121403, 0001121412, 0001121429, 0001121430, 0001121439, 0001121440, 0001122402 **| Fiat** 51865316

99.1686.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.08**
G Ø Externo do Dente	**24.50**
IG Ø Interno do Dente	**15.45**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**41.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Courier (2010→), Fiesta (2010→), Ka (2010→)

OEM *ORIGINAL*

Valeo 101310, 1201856, 501446, 60910

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 7S5511000AA, 7S5511000AB, FS10B1

99.1687.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**30**
2T Dois Dentes	**-**
G Ø Externo do Dente	**21.20**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**86.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Motores de Popa / Outboard Motors 40-200 HP

99.1690.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**58.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

CBT 8240 (4248 JF 12v, ←01/1984) | **General Motors/Chevrolet** D20 Serie D (Plus Maxion S4T JF 12v, 03/1992~10/1996) | **Massey Ferguson** MF 1630 A (4284 JF 12v, ←01/1981), MF 1630 A (6.354-4 JF 12v, ←01/1981), MF 3640 (Perkins 1006-6 JF 12v, ←05/1996), MF 3640 A (6.358 A JF 12v, ←01/1973), MF 5650 (Perkins 1006-6T JF 12v, ←05/1996), MF 5650 (Turbo AT 6.354-4 JF 12v, ←03/1988), MF 5650 A (6.354-4 JF 12v, ←01/1982), MF 6845 (Perkins 1006-6T JF 12v, ←12/1994), MF 6855 (Perkins 1006-6TW JF 12v, ←10/1993), MF 6865 (Perkins 1006-6T JF 12v, ←09/1994) | **Maxion** Ideal 9075 (Perkins 1006-6 JF 12v, ←09/1994), Ideal 9090 (Perkins 1006-6T JF 12v, ←10/1993), Ideal 9090 (Perkins 1006-6TW JF 12v, ←12/1994) | **Mercedes-Benz** OF 1113 (OM 366 JF 12v, ←09/1987), OH 1113 (OM 366 A JF 12v, ←01/1988), Serie 9T - 917 (OM 366 A JF 12v, ←01/1988)

OEM *ORIGINAL*

Bosch F000AL2712

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0135

99.1691.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**69.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo 1216 (6BT, 1993→), Cargo 1412 (6BTA, 1999→), Cargo 1416 (6BT, 1993→), Cargo 1617 (6BTAA, 1993→), Cargo 1621 (6BTAA, 1993→), F4000 (4BT, 1996~1998) | **Mercedes-Benz** L1113 (OM 352, 1974→), L1116 (OM 352A, 1978→), L1117 (OM 352A, 1983→), L1117 (OM 366 LA, 1987→), L1316 (OM 352A, 1982→), L1317 (OM 352A, 1983→), L1319 (OM 366 LA, 1987→), L1516 (OM 352A, 1982→), LA1113 (OM 352, 1983→), LA1117 (OM 352A, 1983→), LP1219 (OM 366 LA, 1988→), LP1419 (OM 366 LA, 1988→) | **Volkswagen** Caminhão / Truck / Camión 12.170 (6BTAA, 1997~2000), Caminhão / Truck / Camión 13.170 (6BTAA, 2000~2001), Caminhão / Truck / Camión 13.190 (6BTAA, 2001→), Caminhão / Truck / Camión 14.170 (6BTAA, 1997~2000), Caminhão / Truck / Camión 15.170 (6BTAA, 2000~2001), Caminhão / Truck / Camión 16.170 (6C, 1993~2000), Caminhão / Truck / Camión 16.200 (6BTAA, 1997~2000), Caminhão / Truck / Camión 17.210 (6BTAA, 2000→)

OEM *ORIGINAL*

Bosch F000AL2721

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0138, F000AL0139

99.1692.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Opel Movano | **Renault** Master (2.5), Trafic (2.5)

OEM *ORIGINAL*

Cargo 231932 | **Valeo** 188993, 594410

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7R34, D7R53, D8R1

99.1693.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**40.40**
IG Ø Interno do Dente	**28.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.50**
L Comprimento	**72.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Massey Ferguson Trator / Tractor (Motor Perkins), Trator / Tractor 6270, Trator / Tractor 6280, Trator / Tractor 6290

OEM *ORIGINAL*

Cargo 235663

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63280040, 63280041 | **Perkins** 2873K404, 2873K405

99.1695.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**45.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Ceed (Diesel), Cerato (Diesel), Picanto (Diesel), Rio (Diesel), Soul (Diesel)

OEM *ORIGINAL*

Kia 361452A000

99.1696.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz Classe C / C Class (W204), Classe C / C Class Coupé (CL203), Classe C / C Class Modelo T / T Model (S203), Classe C / C Class Modelo T / T Model (S204), Classe CLC / CLC Class (CL203), Classe E / E Class (W211), Classe E / E Class Modelo T / T Model (S211), Sprinter 3,5T Box (906), Sprinter 3,5T Bus (906), Sprinter 3,5T Chassis / Chasis (906), Sprinter 3,5T Plataforma / Platform (906), Sprinter 3T Box (906), Sprinter 3T Bus (906), Sprinter 3T Chassis / Chasis (906), Sprinter 3T Plataforma / Platform (906), Sprinter 4,6T Box (906), Sprinter 4,6T Chassis / Chasis (906), Sprinter 4,6T Plataforma / Platform (906), Sprinter 5T Box (906), Sprinter 5T Chassis / Chasis (906), Sprinter 5T Plataforma / Platform (906)

OEM *ORIGINAL*

Bosch 1006209828, 1006209836, 1006209845 **| Cargo** 330125

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001115047, 0001115048, 0001115074, 0001115075, 0001115174

99.1697.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**69.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cargo Cargo 2628E (2005→) **| Ford** Cargo 1317E (2005→), Cargo 1517E (2005→), Cargo 1717E (2005→), Cargo 1722E (2006→), Cargo 2422E (2006→), Cargo 2428E (2005→), Cargo 2622E (2005→), Cargo 815E (2005→)

OEM *ORIGINAL*

Bosch F000AL2630

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0129, F000AL0131, F000AL0150, F000AL0152

99.1698.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**81.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case CS 105 Pro (Sisu 4 cil / cyl 102 HP 4.4), CS 130, CS 78 (Sisu 4 cil / cyl Turbo 4.4), CS 85 Pro (Sisu 4 cil / cyl 85 HP 4.4), CS 94 (Sisu 4 cil / cyl Turbo 4.4), CS 95 Pro (Sisu 4 cil / cyl 93HP 4.4), CVX 140 (Sisu 6 cil / cyl 141HP 6.6), CVX 150 (Sisu 6 cil / cyl Turbo 150HP 6.6), CVX 160 (Sisu 6 cil / cyl 160HP 6.6), CVX 170 (Sisu 6 cil / cyl Turbo 170HP 6.6), CVX 190 (Sisu 6 cil / cyl 196HP 6.6) | **Crystal Tractor** Orion 16 (Sisu Diesel) | **JCB** Fastrac 8280 (Sisu 6 cil / cyl Tier 4 279 HP 8.4), Fastrac 8310 (Sisu 6 cil / cyl Tier 4 306 HP 8.4) | **Massey Ferguson** MF 32 (Sisu 620DS 6 cil / cyl), MF 34 (Sisu 634DSA 6 cil / cyl), MF 4292 (cab-Brasil-Sisu 420DS 4 cil / cyl), MF 4292 (plat-Sisu 420DS 4 cil / cyl), MF 4297 (cab-Brasil-Sisu 420DS 4 cil / cyl), MF 4297 (plat-Sisu 420DS 4 cil / cyl), MF 4297 (Sisu 420DS 4 cil / cyl), MF 4299 (plat-Brasil-Sisu 420DSA 4 cil / cyl), MF 4299 (plat-Sisu 420DSA 4 cil / cyl), MF 4299 (Sisu 420DSA 4 cil / cyl), MF 4445 (Sisu Diesel 44DTA 4 cil / cyl 101HP 4.4), MF 4445 (Sisu Diesel 44DTA 4 cil / cyl 88HP 4.4), MF 460 XTRA (cab-Brasil-Sisu 44DTA 4 cil / cyl), MF 460 XTRA (plat-Sisu 44DTA 4 cil / cyl), MF 470 XTRA (cab-Brasil-Sisu 44DTA 4 cil / cyl), MF 470 XTRA (plat-Sisu 44DTA 4 cil / cyl), MF 480 XTRA (cab-Brasil-Sisu 44DTA 4 cil / cyl), MF 480 XTRA (plat-Sisu 44DTA 4 cil / cyl), MF 5465 (Sisu Diesel 66CTA 6 cil / cyl), MF 5470 (Sisu Diesel 44CTA 4 cil / cyl 4.4), MF 5480 (Sisu Diesel 49CTA 4 cil / cyl 4.9), MF 5650 (Brasil-Sisu 620DS 6 cil / cyl), MF 6350 (Sisu 620DS 6 cil / cyl), MF 6360 (Sisu 634DSA 6 cil / cyl), MF 6460 (Sisu 44CTA 4.4), MF 6470 (Sisu 44CTA 4.4), MF 6485 (Sisu Diesel 66CTA 130kW 6.6), MF 6490 (Sisu Diesel 66CTA 6.6), MF 6495 (Sisu Diesel 66CTA 6.6), MF 6497 (Sisu Diesel 74CTA 7.4), MF 6499 (Sisu Diesel 74CTA 7.4), MF 7140 (Sisu 620DS 6 cil / cyl), MF 7145 (Sisu 634DSA 6 cil / cyl), MF 7150 (Sisu 620DS 6 cil / cyl), MF 7170 (Sisu 620DS 6 cil / cyl), MF 7180 (Sisu 620DS 6 cil / cyl), MF 7330 (Sisu 620DS 6 cil / cyl), MF 7350 (Sisu 620DS 6 cil / cyl), MF 7370 (Sisu 620DS 6 cil / cyl), MF 7390 (Sisu 620DS 6 cil / cyl), MF 7415 (Sisu 634DSA 6 cil / cyl), MF 7485 (Sisu Diesel 66CTA 6 cil / cyl 6.6), MF 7490 (Sisu Diesel 66CTA 6.6), MF 7495 (Sisu Diesel 66CTA 6.6), MF 7497 (Sisu Diesel 74CTA 7.4), MF 7499 (Sisu Diesel 74.392CTA-4V 165kW 7.4), MF 8160 (634DS), MF 8250 (634DWE 7.4), MF 8450 (Sisu Diesel 6 cil / cyl 7.4), MF 8460 (Sisu Diesel 6 cil / cyl Tier III 7.4), MF 8470 (Sisu Diesel 6 cil / cyl 8.4), MX 720, MX 750, Sprayer (Sisu 620DS 6 cil / cyl) | **MCCormick** Tele-Trac (Sisu 44-CWA-2V 4.4) | **Pioneira** Pioneira (Sisu 420DS 4 cil / cyl) | **Sampo Rosenlew** 3065L (Sisu Diesel 44DT 4 cil / cyl), SR1046X (Sisu Diesel 44DT 4 cil / cyl), SR1066 (Sisu Diesel 44DT 4 cil / cyl), SR3045C (Sisu Diesel 44DT 4 cil / cyl), SR3085L TS (Sisu Diesel 44DT 4 cil / cyl) | **Sisu Diesel** 4.9 CWA (4 cil / cyl 175HP 4.9), 444CTA (4 cil / cyl), 84 CTA-4V (SCR 8.4) | **Valtra** 44 DT, ETA, EWA, DW (4.4), 6200 44DT (4.4), 6250 Hi 44DT (4.4), 6300 44DT (4.4), 6350 Hi 44DT (4.4), 6400 44ET (4.4), 6550 Hi 44ET (4.4), 66 ETA (6.6), 6850 Hi 44EWI (4.4), 6900, 74 ETA (8.4), 84 DTA (8.4), 84 ETA (8.4), A750L (Sisu 420D 4 cil / cyl), A85L 44DT (4.4), A85N 44DT (4.4), A950 (Sisu 420DS 4 cil / cyl), A95L 44DT (4.4), A95N 44DT (4.4), A990 (Sisu 420DS 4 cil / cyl), BC4500 (Sisu 620DS 6 cil / cyl), BH145 (Sisu 620DS 6 cil / cyl), BH165 (Sisu 620DS 6 cil / cyl), BH180 (Sisu 620DS 6 cil / cyl), BH180i (Sisu 620DSA 6 cil / cyl), BH205i (Sisu 620DSA 6 cil / cyl), BM100 (Sisu 420DS 4 cil / cyl), BM110 (Sisu 420DS 4 cil / cyl), BM125i (Sisu 420DSA 4 cil / cyl), BT150 (Sisu 620DS 6 cil / cyl), BT170 (Sisu 620DS 6 cil / cyl), BT190 (Sisu 620DSA 6 cil / cyl), BT210 (Sisu 620DSA 6 cil / cyl), S280 84ETA (8.4)

OEM *ORIGINAL*

Cargo 333681 | **Iskra** 16904776 | **Mahle** 72737605, MSX33

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Agco 836873088 | **CNH** 87751000 | **Iskra** 11130836, 11131542, 11131602, 11131727, AZF4141, AZF4154, AZF4190, AZF4513 | **Sisu Diesel** 836673290, 836866817 | **Valtra** 83646500

99.1699.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Valtra 685, 685ATS

OEM *ORIGINAL*

Iskra 16911403

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11131598, 11131974, 11132051, AZE4148, AZE4211, AZE4222, IS1165 **| Valtra** 221561, 83645200

99.1700.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Skid Steer L.TL360 **| Case** JX 60 (3.2, 2009→), JX 60 (NEF 4 cil / cyl 60HP 4.5), JX 70 (3.2, 2008→), JX 70 (NEF 4 cil / cyl 72HP 4.5), JX 80 (3.2, 2008→), JX 80 (NEF 4 cil / cyl 82HP 4.5), Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora SR200 (3.2), Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora SR250 (3.2), Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora SV250 (3.4), Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora SV300 (3.4), Quantum 65C (NEF 4 cil / cyl Tier III 60HP 3.2), Quantum 75C (NEF 4 cil / cyl Tier III 78HP 3.2), Retroescavadeira / Backhoe Excavator / Retroexcavadora 580ST (3.4), Retroescavadeira / Backhoe Excavator / Retroexcavadora 590STSN (3.4), Retroescavadeira / Backhoe Excavator / Retroexcavadora 695ST (3.4), Trator / Tractor Farmall 105C (3.4, 2013→), Trator / Tractor Farmall 105U (3.4, 2008→), Trator / Tractor Farmall 105UPRO (3.4, 2014→), Trator / Tractor Farmall 110U (3.4), Trator / Tractor Farmall 115U (3.4, 2008→), Trator / Tractor Farmall 120 (3.4), Trator / Tractor Farmall 130 (3.4), Trator / Tractor Farmall 55C (3.2, 2008→), Trator / Tractor Farmall 65C (3.2, 2008→), Trator / Tractor Farmall 75A (2015→), Trator / Tractor Farmall 75C (3.2, 2008→), Trator / Tractor Farmall 85A (3.2), Trator / Tractor Farmall 85C (3.4, 2012→), Trator / Tractor Farmall 95C (3.4, 2012→), Trator / Tractor Farmall 95U (3.4, 2008→), Trator / Tractor Farmall 95UPRO (3.4, 2012→), Trator / Tractor Quantum 65C (3.2), Trator / Tractor Quantum 65V (3.2), Trator / Tractor Quantum 75C (3.2), Trator / Tractor Quantum 75FNV (3.2), Trator / Tractor Quantum 85FV (3.2) **| Claas** Trator / Tractor Elios 210 (3.2), Trator / Tractor Elios 220 (3.2), Trator / Tractor Elios 230 (3.2), Trator / Tractor Nexos 210 VE (3.2), Trator / Tractor Nexos 210 VL (3.2), Trator / Tractor Nexos 210F (3.2), Trator / Tractor Nexos 220 F (3.2), Trator / Tractor Nexos 220 VE (3.2), Trator / Tractor Nexos 220 VL (3.2), Trator / Tractor Nexos 230 F (3.2), Trator / Tractor Nexos 230 VE (3.2), Trator / Tractor Nexos 230 VL (3.2) **| CNH** F5C8 (3.2 4

cil / cyl) | **Euromacchine** Motor FT22 (3.2), Motor J8 305 (3.2), Motor LA01AO (3.2), Motor LA01SP (3.2), Motor LA02SP (3.2), Motor MP01IC (3.2), Motor MP02IC (3.2), Motor MP03IC (3.2), Motor TF23 (3.2), Motor TH40I (3.2), Motor TH50I (3.2) | **Landini** Atlantis 100, Atlas 100, Atlas 70, Atlas 80, Atlas 85, Atlas 90, Ghibli 100, Ghibli 105, Ghibli 80, Ghibli 85, Ghibli 90, Ghibli 95, Globalfarm 105, Globalfarm 95, Globus 65, Globus 75, Globus 80, Mythos 100, Mythos 90, Powerfarm 100, Powerfarm 105, Powerfarm 75, Powerfarm 80, Powerfarm 85, Powerfarm 90, Powerfarm 95, Rex 100, Rex 105, Rex 70, Rex 75, Rex 80, Rex 85, Rex 90, Rex 95, Trator de Pomar / Orchard Tractor / Tractor de Huerta (Frutteto), Trator de Vinha / Vineyard Tractor / Tractor Viñedo, Vision 100, Vision 105, Vision 85, Vision 95 | **Massey Ferguson** MF 200, MF 290, MF 3680, MF 4200, MF 4290, MF 5200, MF 5300, MF 6270, MF 6280 | **MCCormick** 80 | **New Holland** 7630 (2007→), 7630 (plat-NEF TC 78kW 4 cil / cyl), 8030 (2007→), 8030 (plat-NEF TAA 90kW 4 cil / cyl), Pulverizador / Sprayer Patriot 250 (4.5), Pulverizador / Sprayer Patriot SP2500 (4.5), T4 T4100LP (3.4, 2017→), T4 T4105 (3.4, 2011~2013), T4 T4105 F (4.5, 2013→), T4 T4105 N (4.5, 2013→), T4 T4105 V (4.5, 2013→), T4 T4110 F (3.4, 2017→), T4 T4110 LP (3.4, 2017→), T4 T4115 (3.4, 2012→), T4 T455 (3.2, 2013→), T4 T465 (3.2, 2011~2013), T4 T465V (3.2, 2013→), T4 T475 (3.4, 2011→), T4 T475 F (3.2, 2013→), T4 T475 N (3.2, 2013→), T4 T475 V (3.2, 2013→), T4 T480 F (3.4, 2017→), T4 T480 LP (3.4, 2017→), T4 T480 N (3.4, 2017→), T4 T480 V (3.4, 2017→), T4 T485 (3.4, 2009→), T4 T485 F (3.4, 2011→), T4 T485 N (3.4, 2011→), T4 T485 V (3.4, 2011→), T4 T490 F (3.4, 2017→), T4 T490 N (3.4, 2017→), T4 T490 V (3.4, 2017→), T4 T495 (3.4, 2011~2013), T4 T495 (3.4, 2013→), T4 T495 F (4.5, 2013→), T4 T495 N (4.5, 2013→), T4 T495 V (4.5, 2013→), T5 T5105 (3.4, 2012→), T5 T5110 (4.5, 2017→), T5 T5115 (3.4, 2012→), T5 T5120 (4.5, 2017→), T5 T5130 (4.5, 2017→), T5 T575 (3.4, 2015→), T5 T595 (3.4, 2012→), T6 T6110 (4.5), T6 T6120 (4.5, 2012→), T6 T6130 (4.5), TD 4020 F (3.2, 2009~2013), TD 4030 F (3.2, 2009~2013), TD 4040 F (3.2, 2009~2013), TD5 105 (3.4), TD5 115 (3.4), TD5 85 (3.2, 2013→), TD5 85 (3.4), TD5 95 (3.4), Trator de Esteira / Track-Type Tractor / Buldócer TK4020V (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4030 (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4030F (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4030V (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4040 (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4040M (3.2, 2009~2013), Trator de Esteira / Track-Type Tractor / Buldócer TK4050 (3.2, 2009→), Trator de Esteira / Track-Type Tractor / Buldócer TK4060 (3.2, 2009~2013), Trator de Esteira / Track-Type Tractor / Buldócer TK4110M (3.4, 2017→), Trator / Tractor 7030, Trator / Tractor Farm T4020 (3.2, 2008→), Trator / Tractor Farm T4020V (3.2, 2008→), Trator / Tractor Farm T4030 (3.2, 2008→), Trator / Tractor Farm T4030F (3.2, 2008→), Trator / Tractor Farm T4040F (3.2, 2008→), Trator / Tractor Farm T4040V (3.2, 2008→), Trator / Tractor Farm T4050 (4.5, 2008→), Trator / Tractor Farm T4050V (4.5, 2008→), Trator / Tractor Farm TD5010 (3.2, 2008→), Trator / Tractor TS6000S (2007→), Trator / Tractor TS6020 (2007→), Trator / Tractor TS6030 (2007→), Trator / Tractor TS6040 (2007→), TS6000 Standard (cab-NEF TC 66kW 4 cil / cyl), TS6020 (cab-NEF TAA 82kW 4 cil / cyl), TS6030 (cab-NEF TAA 90kW 4 cil / cyl), TS6040 (cab-NEF TAA 97kW 4 cil / cyl) | **Perkins** 1103 D, 1104 D, 1106 C | **Steyr Daimler Puch AG** Kompakt (3.2), Kompakt (3.4), Multi (3.4), Multi (3.4, 2013→)

OEM *ORIGINAL*

Cargo 333682 | **Iskra** 16902507, 16902560, 16907197 | **Krauf** SDI4172 | **Mahle** MSX52

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223507 | **Caterpillar** 3127539 | **CNH** 504388220, 82036365, 84208918, 87398251, 87583927 | **Iskra** 11131035, 11131036, 11131050, 11131112, 11131216, 11131279, 11131315, 11131424, 11131526, 11131535, 11131544, 11131570, 11131605, 11131606, 11131659, 11131696, 11131716, 11131780, 11131781, 11131793, 11131890, 11131892, 11131921, 11131932, 11131942, 11131946, 11131947, 11131956, 11131963, 11131964, 11131966, 11131975, 11131984, 11131989, 11131990, 11132050, 11132067, 11132068, 11132165, 11132166, AZE4123, AZE4125, AZE4128, AZE4139, AZE4150, AZE4151, AZE4156, AZE4159, AZE4165, AZE4170, AZE4172, AZE4173, AZE4190, AZE4192, AZE4194, AZE4195, AZE4197, AZE4199, AZE4201, AZE4204, AZE4207, AZE4208, AZE4214, AZE4215, AZE4221, AZE4226, AZE4227, AZE4247, AZE4248, AZE4573, AZE4579, IS1189 | **Iveco** 504015749 | **Lester** 19860 | **Mahle** MS204, MS205, MS24

99.1701.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.10**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**85.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case CS 110 (Sisu 4 cil / cyl Turbo 4.4), CS 68 (Sisu 3 cil / cyl Turbo 3.3), CS 75 (Sisu 3 cil / cyl Turbo 3.3) | **Massey Ferguson** MF 3625 (V / S / F / GE-Sisu Diesel 33 DTA 3.3), MF 3635 (V / S / F / GE-Sisu Diesel 33 DTA 3.3), MF 3640 (V / S / F / GE-Sisu Diesel 33 CTA 3 cil / cyl 82HP 3.3), MF 3645 (Sisu Diesel 33 DTA 3.3), MF 3650 (S / F / GE-Sisu Diesel 33 CTA 3 cil / cyl 92 HP 3.3), MF 3655 (Sisu Diesel 33 DTA 3.3), MF 4435 (Sisu Diesel 33 DTA 3 cil / cyl 74 HP 3.3) | **Valmet** A 75L 33 DTA 3.3, A 75N 33 DTA 3.3, A 85N / A 85L / 44DT / 33DTA 4.4, A 95N / A 95L 44DT / 33DTA 4.4 | **Valtra** A650 (Sisu 320D 3 cil / cyl, 2010→), A750 (Sisu 320DS 3 cil / cyl, 2009→), A850 (Sisu 320DS 3 cil / cyl, 2009→), BF65 (Sisu 320D 3 cil / cyl, 2008→), BF75 (Sisu 320DS 3 cil / cyl, 2008→)

OEM *ORIGINAL*

Iskra 16907455

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Agco 83646400, 836667365, 836673289 | **Iskra** 11131116, 11131426, 11131515, 11131728, 11131773, 11131970, AZE4122, AZE4166, AZE4171, AZE4209, AZE4540, AZE4597, IS1064 | **Sisu Diesel** 836673289, 836867365 | **Valtra** 83646400

99.1702.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**30.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**70.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Primera (2.0, 2002→), X-Trail (2.0), X-Trail (2.5)

OEM *ORIGINAL*

Cargo 236752 | **Magneti Marelli** 940113020489, AMB0489 | **Mazda** N31818X25 | **Mitsubishi** M191X16371, N31818X25 | **Stemot** 08059

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M1M70881, M1M74181, M1T70881, M1T70881A, M1T74181, M1T74181A, M1T77581, N31818400, N31818400A, N31818400B, N32718400, N32718400A, N3A118400, N3A1184400 | **Nissan** 82881, 87081

99.1704.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**55.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daewoo Matiz

OEM *ORIGINAL*

Daewoo 31871

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Daewoo 93741000, TM300C10201

99.1705.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**69.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ssangyong Actyon (200 XDI), Kyron (2.0 XDI), Rexton (270 XDI)

OEM *ORIGINAL*

Krauf SDA2705 | **Stemot** 05067 | **Woodauto** SDV38321

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ssangyong 6611513801 | **Valeo** TM000A34001

99.1706.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**36.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai I20 (1.4), I30 (1.4, 2009→), I30 (1.6, 2009→), IX20 (1.4, 2011→), IX20 (1.6, 2011→), IX35 (1.4, 2010→), IX35 (1.6, 2010→) | **Kia** Carens II (CWT 1.6), Ceed (1.4, 2006→), Ceed (1.6, 2006→), Pro Ceed (1.4, 2006→), Pro Ceed (1.6, 2006→), Soul (CWT 1.6), Sportage (1.6, 2010→), Venga (1.4, 2006→), Venga (1.6, 2006→) | **Mitsubishi** Galant, L200, Lancer, Montero (3.0), Montero (3.5), Pajero (3.0), Pajero (3.5), Pajero (3.8), Pajero TR4, PT Cruiser GT (2.4)

OEM *ORIGINAL*

Cargo 331730, M191T15871 | **Mitsubishi** M191X15871

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000T20471, M000T20472, M000T20672, M000T30672, M000T30771, M000T32572, M000T35171, M000T36071, M0T20471, M0T20472, M0T30672, M0T30771, M0T35171, M0T36071

99.1707.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**89.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tata Cummins 6BT (12v)

OEM *ORIGINAL*

Lucas 26241399

99.1708.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.10**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**17.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Almera (1.5 16v), Almera (1.8 16v), Micra, Primera (1.6 16v), Primera (1.8 16v), Tino (1.5 16v), Tino (1.8 16v)

OEM *ORIGINAL*

Bosch 1006209589, 1006209714, 1006209765, 1006209934, 1006209951, 1006209952, 1006210117, 1006210125, 1006210147, 1006210154 | **Cargo** 235200, 333872 | **ERA** 225735 | **Magneti Marelli** 940113020488

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107092, 0001107093, 0001116006

99.1709.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**76.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Trator / Tractor 5200, Trator / Tractor 5300, Trator / Tractor 5303, Trator / Tractor 5310, Trator / Tractor 5400, Trator / Tractor 5410, Trator / Tractor 5500, Trator / Tractor 5510

OEM *ORIGINAL*

Bosch 6033AD0191 | **Iskra** 16902653

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001223502 | **Iskra** 11131751, 11131833, 11132084, 11132227, AZE4169, AZE4185, AZE4228, AZE4261

IMPULSORES DE PARTIDA

99.1711.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**33.80**
IG Ø Interno do Dente	**22.70**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.40**
IS Ø Interno da Estria	**16.40**
L Comprimento	**87.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Retroescavadeira Chinesa / Chinese Backhoe Excavator / Retroexcavadora Chino | **Foton** Pá Carregadeira / Wheel Loader / Pala Cargadora FL917

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Foton QD263

99.1712.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**14.80**
IS Ø Interno da Estria	**12.60**
L Comprimento	**80.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Fox, Gol G5, Golf (2010~2014), Kombi (2013~2014), Saveiro, Spacefox, Voyage

OEM *ORIGINAL*

Bosch F000CD1117

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000CD0800, F000CD0801 | **Volkswagen** 5U0911023, 5U0911335

99.1713.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**54.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Trator / Tractor (Motor M795W 2 cil / cyl)

OEM *ORIGINAL*

Lucas Indiel 35261976

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261810

99.1714.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.92**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford C Max (2000, 2007~2010), Focus C Max (2000, 2003~2007), Focus II (2000, 2004~2008), Galaxy (2000, 2006~2008), Galaxy (2200, 2008~2010), Kuga (2000, 2008~2010), Mondeo (MK4 2000, 2007~2010), S Max (2000, 2006~2008), S Max (2200, 2008~2010) | **Volvo** C30 (2000-D4204T, 2006~2008), C70 2 (2000-D4204T, 2006~2008), S40 (2000-D4204T, 2004~2010), V50 (2000-D4204T, 2004~2010)

OEM *ORIGINAL*

Cargo 236876

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 1469721, 3M5T11000CC, 3M5T11000CD, 3M5T11000CE, 3M5T11000DC, 4M5T11000FA, 4M5T11000FB, 4M5T11000FC, 4M5T11000FD, 6G9N11000FA

99.1716.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mahindra Bolero SLE (MDI 3.2L Diesel), Boleto SLX (MDI 3.2L Diesel), Jeep Scorpio

OEM *ORIGINAL*

Lucas 26245621

99.1718.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**35.40**
IG Ø Interno do Dente	**24.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.80**
IS Ø Interno da Estria	**15.10**
L Comprimento	**50.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 156 (1.9 JTD) | **BMW** 320 Serie X3, 320 Serie X5 | **Fiat** Multipla (1.9 JTD)

OEM *ORIGINAL*

Cargo 231899, 332145

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

BMW 12417788680, 12417788682 | **Magneti Marelli** 63113001, 63113002, 63113004, 63193001, 63280071

99.1719.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**75.00**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lucas Indiel Motor M100R | **New Holland** TM135E, TM150E, TM165, TM180, TS100, TS110

OEM *ORIGINAL*

Lucas Indiel 35261625

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261445

99.1720.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 116i (1.6), 116i (2.0), 118i (2.0), 120i, 130i, 135i, 316i, 318i (2.0), 320i, 323i (2.5), 325i, 325xi, 330i, 330xi, 520i, 523i (2.5), 525i, 525xi, 530i, 530xi, 535i, 630i, 730i, 740i, 740Li, Serie 1, Serie 3, Serie 5, Serie 6, Serie 7, X1, X3 (2.0), X3 (2.5), X3 (3.0), X5, X6, Z4 (2.2), Z4 (2.3i), Z4 (2.5), Z4 (2.5i), Z4 (2.8i), Z4 (3.0), Z4 (3.0i) | **Toyota** Auris (1.2 Turbo, 2015→), Auris (1.4, 2007~2009), Auris (1.4 VVTI), Auris (1.6, 2006~2012), Auris (E15 1.8, 2009~2012), Auris Touring Sports (1.6 Turbo, 2013→), Avensis (1.6, 2008~2018), Avensis (2.0, 2008~2018), Aygo (1.0, 2005~2014), Celica, Corolla (1.4, 2002~2007), Corolla (1.4 VVTI), Corolla (1.6, 2002~2007), Corolla (1.6, 2013~2019), Corolla (1.6 VVTI), Corolla (1.8), Corolla (1.8, 2013~2019), Corolla Verso (1.6 16v, 2010→), Verso (1.6 16v, 2009→), Verso (1.8 16v, 2009→), Yaris (1.4, 2005~2011)

OEM *ORIGINAL*

Bosch 1006209799, 1006209826, 1006209981, 1006209982, 1006210235 | **Cargo** 239777, 333234 | **Toyota** 280110D130

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

BMW 12417515390, 12417515391, 12417524843, 12417610348 **| Bosch** 0001107423, 0001107424, 0001107425, 0001107426, 0001107433, 0001107434, 0001107442, 0001107443, 0001107448, 0001107449, 0001107514, 0001107525, 0001107526, 0001107529, 0001107530, 0001107531, 0001122201 **| Toyota** 281000D130, 281000N010, 281000Q021, 281000Q02100, 281000T030, 281000T090

99.1725.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hitachi Motor Estacionário / Stationary Motor / Motor Estacionario

99.1726.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12(6)**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Valtra Especial / Special, Motor M100R

OEM *ORIGINAL*

Lucas Indiel 229697, 35259697

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259360

99.1727.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.43**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**21.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Armada (2.4 WD), Sentra (1.8), Terrano (2.4 WD)

OEM *ORIGINAL*

Cargo 135581 | **Montero** M191T23371 | **Nissan** 23354D0210 | **Stemot** 08011

99.1731.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**36.50**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**22.40**
IS Ø Interno da Estria	**19.60**
L Comprimento	**89.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ashok LeyLand Hino J Series, Ônibus / Bus / Ómnibus (H Serie 6 cil / cyl)

OEM *ORIGINAL*

Lucas 26242815

99.1733.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.26**
G Ø Externo do Dente	**39.65**
IG Ø Interno do Dente	**28.35**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**74.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Cooplantio | **Jinma** Trator / Tractor 25HP, Trator / Tractor 45HP

99.1734.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**64.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Civic (2006→), CRV

OEM *ORIGINAL*

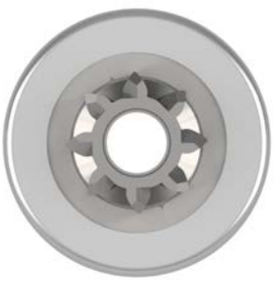
Nippondenso 0283008870

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 4280005010 | **Nippondenso** 4280003410, 4280005011, 4280005290

99.1735.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**23.90**
IG Ø Interno do Dente	**15.70**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**41.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Logan, Logan MCV | **Nissan** Kubistar | **Renault** Clio, Duster (1.6), Fluence, Kangoo, Laguna (1.6 16v), Megane (1.6 16v), Sandero, Scenic (1.6 16v)

OEM *ORIGINAL*

Cargo 333869 | **ERA** 225775 | **Krauf** SDV1578 | **Renault** 7701051578 | **Valeo** 061228, 1201728, 501490

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nissan-Datsun 233001105R | **Valeo** FS10B3

99.1736.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**58.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Caminhão / Truck / Camión 5140, Caminhão / Truck / Camión 8150

OEM *ORIGINAL*

Bosch F000AL2660

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0132, F000AL0133, F000AL0140, F000AL0141

99.1740.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz K6, Sprinter

OEM *ORIGINAL*

Bosch F000AL2824

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001108409, 0001108410, 0001108441, 0001108442, F000AL0901, F000AL0903

99.1741.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**14.80**
IS Ø Interno da Estria	**12.60**
L Comprimento	**80.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Gol G4

OEM *ORIGINAL*

Bosch F000CD1315

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 5W0911023, F000CD0802, F000CD08A2

99.1743.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Cargo

OEM *ORIGINAL*

Bosch F002G20724

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F002G20904 | **Ford** BC4511001BA

99.1744.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.15**
G Ø Externo do Dente	**39.70**
IG Ø Interno do Dente	**28.40**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**62.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Trator / Tractor

99.1745.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.55**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**40.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Agile (1.4), Celta (1.0), Classic (1.0), Cobalt (1.4), Cobalt (1.8), Cruze (1.8), Montana (1.4), Onix (1.0 SPE / 4 SOCH, 2013~2018), Onix (1.4 SPE / 4 SOCH, 2013~2018), Prisma (LT 1.0L SPE / 4 SOCH, 2013~2018), Prisma (LT 1.4L SPE / 4 SOCH, 2013~2018), Prisma (LTZ 1.0L SPE / 4 SOCH, 2013~2018), Prisma (LTZ 1.4L SPE / 4 SOCH, 2013~2018), Spin (1.8)

OEM *ORIGINAL*

Delco Remy 10524174, 10540697, DR10540697 | **Krauf** K12JL13G, SDD8863

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000444, 8000660, DRS7120 | **General Motors/Chevrolet** 24579009

99.1751.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**21.40**
IS Ø Interno da Estria	**18.00**
L Comprimento	**82.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Atlas Escavadeira / Excavator / Excavadora 160W (TCD2012 L06 2V 143HP Tier 3), Escavadeira / Excavator / Excavadora 190LC (TCD2012 L06 2V 143HP Tier 4), Escavadeira / Excavator / Excavadora 340LC (TCD2013 L06 2V 226PS Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 180MH (TCD2012 L06 2V 143HP Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 200MH (TCD2012 L06 2V 143HP Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 350MH (TCD2013 L06 2V 226PS Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 400MH (TCD 6,1 L6 238PS Tier 4i), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 520MH (TCD2013 L06 2V248PS), Pá Carregadeira / Wheel Loader / Pala Cargadora 105 E (TCD 4,1 L4 105kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora AR 105 (TCD 4,1 L4 105kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora AR 95 (TCD 4,1 L4 95kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora Super (TCD 4,1 L4 95kW Tier 4i), Rolo Compactador / Aplanadora / Road Roller AW1110 (TCD2012 L04 96kW), Rolo Compactador / Aplanadora / Road Roller AW1120 (TCD2012 L04 96kW), Rolo Compactador / Aplanadora / Road Roller AW1130 (TCD2012 L04 103kW), Rolo Compactador / Aplanadora / Road Roller AW1140 (TCD2012 L04 103kW) | **Atlas Copco** Compressor / Compresor XAHS 146 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XAHS 186 C3 (Deutz TCD 2013 4 cil / cyl 104kW), Compressor / Compresor XAS 186 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XATS 156 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XAVS 166C3 (Deutz TCD 2013 4 cil / cyl 104kW), Máquina Fresadora de Asfalto / Asphalt Milling Machine PL1000T (TCD2012 L06 2V 6 cil / cyl 150kW) | **Bomag** Máquina de Terraplanagem / Earthmoving Machine BM 500 / 15, Máquina de Terraplanagem / Earthmoving Machine BM 600 / 15 | **Claas** Máquina / Machine Scorpion 6030 (TD2011 L04 75kW), Máquina / Machine Scorpion 7030 (Deutz TCD 2012 L04 2V 102HP), Máquina / Machine Scorpion 7040 (Deutz TCD 2012 L04 120HP), Máquina / Machine Scorpion 7045 (Deutz TCD 2012 L04 140HP), Máquina / Machine Scorpion 7055 (TCD 4,1 L4 115kW Tier 4i), Máquina / Machine Scorpion 9040 (Deutz TCD 2012 L04 140HP), Máquina / Machine Scorpion 9055 (TCD 4,1 L4) | **Deutz** Trator / Tractor K410 (Deutz TCD2012 L04), Trator / Tractor K420 (Deutz TCD2012 L04), Trator / Tractor K430 (Deutz TCD2012 L04), Trator / Tractor K610 (Deutz TCD2012 L04), Trator / Tractor M600 (Deutz 2012 L06 2V), Trator / Tractor M610 (Deutz 2012 L06 2V), Trator / Tractor M620 (Deutz 2012 L06 2V), Trator / Tractor M640 (Deutz 2012 L06 4V), Trator / Tractor M650 (Deutz 2012 L06 4V) | **KHD** Motor BF6L913 (6 cil / cyl), Motor BF6L913C (6 cil / cyl), Motor F3L912 (3 cil / cyl), Motor F3L913 (3 cil / cyl), Motor F4L912 (4 cil / cyl), Motor F4L913 (4 cil / cyl), Motor F6L912 (6 cil / cyl), Motor F6L913 (6 cil / cyl), Motor Náutico / Nautical Engine BFM1012 | **Lamborghini** Trator / Tractor R3 100 Evo (Deutz 2012 Euro II), Trator / Tractor R3 85 (Deutz 2012 Euro II) | **Liebherr** Escavadeira / Excavator / Excavadora A309 Litronic (TCD 2012 L04 2V 4 cil / cyl 65kW), Escavadeira / Excavator / Excavadora A311 Litronic (TCD 2011 L04W 4 cil / cyl 68kW), Escavadeira / Excavator / Excavadora R313 Litronic (TCD 2012 L04 2V 4 cil / cyl 75kW), Escavadeira / Excavator / Excavadora R317 (TCD 2013 L04V III-A 90kW) | **Volvo Penta** Motor Náutico / Nautical Engine T5D5A (150HP)

OEM *ORIGINAL*

Iskra 16911910

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11132114, 11132137, 11132138, 11132140, 11132141, 11132142, 11132231, AZF4302, AZF4309, AZF4310, AZF4312, AZF4313, AZF4314, AZF4339

99.1751.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**21.40**
IS Ø Interno da Estria	**18.00**
L Comprimento	**82.50**

Peça reforçada/Reinforced part/Pieza reforzada - Igual ao BZM 99.1751.0/Same as 99.1751.0 BZM/Igual que BZM 99.1751.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Atlas Escavadeira / Excavator / Excavadora 160W (TCD2012 L06 2V 143HP Tier 3), Escavadeira / Excavator / Excavadora 190LC (TCD2012 L06 2V 143HP Tier 4), Escavadeira / Excavator / Excavadora 340LC (TCD2013 L06 2V 226PS Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 180MH (TCD2012 L06 2V 143HP Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 200MH (TCD2012 L06 2V 143HP Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 350MH (TCD2013 L06 2V 226PS Tier 4), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 400MH (TCD 6,1 L6 238PS Tier 4i), Manipulador de Materiais / Materials Handler / Manipulador de Materiales 520MH (TCD2013 L06 2V248PS), Pá Carregadeira / Wheel Loader / Pala Cargadora 105 E (TCD 4,1 L4 105kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora AR 105 (TCD 4,1 L4 105kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora AR 95 (TCD 4,1 L4 95kW Tier 4i), Pá Carregadeira / Wheel Loader / Pala Cargadora Super (TCD 4,1 L4 95kW Tier 4i), Rolo Compactador / Aplanadora / Road Roller AW1110 (TCD2012 L04 96kW), Rolo Compactador / Aplanadora / Road Roller AW1120 (TCD2012 L04 96kW), Rolo Compactador / Aplanadora / Road Roller AW1130 (TCD2012 L04 103kW), Rolo Compactador / Aplanadora / Road Roller AW1140 (TCD2012 L04 103kW) | **Atlas Copco** Compressor / Compresor XAHS 146 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XAHS 186 C3 (Deutz TCD 2013 4 cil / cyl 104kW), Compressor / Compresor XAS 186 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XATS 156 C3 (Deutz TCD 2012 4 cil / cyl 82kW), Compressor / Compresor XAVS 166C3 (Deutz TCD 2013 4 cil / cyl 104kW), Máquina Fresadora de Asfalto / Asphalt Milling Machine PL1000T (TCD2012 L06 2V 6 cil / cyl 150kW) | **Bomag** Máquina de Terraplanagem / Earthmoving Machine BM 500 / 15, Máquina de Terraplanagem / Earthmoving Machine BM 600 / 15 | **Claas** Máquina / Machine Scorpion 6030 (TD2011 L04 75kW), Máquina / Machine Scorpion 7030 (Deutz TCD 2012 L04 2V 102HP), Máquina / Machine Scorpion 7040 (Deutz TCD 2012 L04 120HP), Máquina / Machine Scorpion 7045 (Deutz TCD 2012 L04 140HP), Máquina / Machine Scorpion 7055 (TCD 4,1 L4 115kW Tier 4i), Máquina / Machine Scorpion 9040 (Deutz TCD 2012 L04 140HP), Máquina / Machine Scorpion 9055 (TCD 4,1 L4) | **Deutz** Trator / Tractor K410 (Deutz TCD2012 L04), Trator / Tractor K420 (Deutz TCD2012 L04), Trator / Tractor K430 (Deutz TCD2012 L04), Trator / Tractor K610 (Deutz TCD2012 L04), Trator / Tractor M600 (Deutz 2012 L06 2V), Trator / Tractor M610 (Deutz 2012 L06 2V), Trator / Tractor M620 (Deutz 2012 L06 2V), Trator / Tractor M640 (Deutz 2012 L06 4V), Trator / Tractor M650 (Deutz 2012 L06 4V) | **KHD** Motor BF6L913 (6 cil / cyl), Motor BF6L913C (6 cil / cyl), Motor F3L912 (3 cil / cyl), Motor F3L913 (3 cil / cyl), Motor F4L912 (4 cil / cyl), Motor F4L913 (4 cil / cyl), Motor F6L912 (6 cil / cyl), Motor F6L913 (6 cil / cyl), Motor Náutico / Nautical Engine BFM1012 | **Lamborghini** Trator / Tractor R3 100 Evo (Deutz 2012 Euro II), Trator / Tractor R3 85 (Deutz 2012 Euro II) | **Liebherr** Escavadeira / Excavator / Excavadora A309 Litronic (TCD 2012 L04 2V 4 cil / cyl 65kW), Escavadeira / Excavator / Excavadora A311 Litronic (TCD 2011 L04W 4 cil / cyl 68kW), Escavadeira / Excavator / Excavadora R313 Litronic (TCD 2012 L04 2V 4 cil / cyl 75kW), Escavadeira / Excavator / Excavadora R317 (TCD 2013 L04V III-A 90kW) | **Volvo Penta** Motor Náutico / Nautical Engine T5D5A (150HP)

OEM *ORIGINAL*

Iskra 16911910

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11132114, 11132137, 11132138, 11132140, 11132141, 11132142, 11132231, AZF4302, AZF4309, AZF4310, AZF4312, AZF4313, AZF4314, AZF4339

99.1752.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo, C3, Xsara Picasso **| Fiat** 500, Doblò (1.3), Fiorino, Grand Punto, Idea, Linea (1.3 D Multijet), Qubo (1.3 D Multijet) **| Lancia** Musa (1.3), Musa (1.9 JTD Multijet), Ypsilon **| Maruti** Dzire, Swift, SX4 **| Mercedes-Benz** A140, A160 **| Opel** Agila, Astra (H GTC, 1.3 CDTI), Corsa (D), Meriva, Tigra (1.3 CDTI) **| Peugeot** 206, Partner, Ranch **| Renault** Clio, Kangoo **| Tata** Manza, Vista

OEM *ORIGINAL*

Valeo 191601, 192978, 406575

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Citroën 9648644680 **| Suzuki** 31100M86J10, 31100M86J11, 31100M86J12 **| Valeo** D6G1, D6G3, D6G32, D6G33, D6G5, D6G98

99.1753.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.23**
G Ø Externo do Dente	**39.70**
IG Ø Interno do Dente	**28.40**
ID Ø da Bucha	**12.60**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.80**
L Comprimento	**55.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Tratores / Tractors (TR18)

OEM *ORIGINAL*

Tramontini 20210088

99.1754.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**115.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat Carregador de Madeira / Cargador de Madera / Wood Wheel Loader **| Clark** Mini Pá Carregadeira / Mini Wheel Loader / Mini Pala Cargadora **| John Deere** Colheitadeira de Algodão / Cotton Harvester / Cosechadora de Algodón, Trator / Tractor 5600 (2005)

OEM *ORIGINAL*

ERA 226077, NPC39873, TKO2013 | **Iskra** 16908746

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11131063, 11131221, 11131752, 11131753, 11131772, 11131788, 11131789, AZE4603, AZE4620, AZE4648, AZE4649, AZE4653, AZE4654, AZE4655

99.1755.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**41.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C3 (2010→), C4 (2010→) | **Fiat** 500 (1.4 Fire, 2009→), Doblò (1.3 Fire, 2001~2006), Doblò (1.4 Fire, 2009~2016), Fiorino (1.3 Fire, 2004~2012), Fiorino (1.4 Firefly, 2013→), Grand Siena (1.4 Fire, 2012~2016), Idea (1.4 Fire, 2010~2016), Mobi (1.0 Fire, 2016→), Palio (1.4 Fire, 2005~2017), Palio Weekend (1.4 Fire, 2005~2010), Uno (1.4 Fire, 2010→) | **Peugeot** 2008 (EC5 1.6, 2015→), 206 (TU3 1.4, 2004~2010), 207 (TU5 1.6, 2008~2014), 208 (TU4 1.5, 2013~2016), 307 (TU5 1.6, 2002~2011), 308 (EC5 1.6, 2012), Hoggar (TU3 1.4, 2010~2014), Partner (TU5 1.6, 2005~2007) | **Renault** Logan, Sandero (1.0, 2012)

OEM *ORIGINAL*

Valeo 1200580, 1206998, 501493, 595582

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Citroën 9807775680 | **Nissan** 233000799R | **Valeo** 495105, FS10B4, TSC1010, TSC1015

99.1756.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.28**
G Ø Externo do Dente	**28.15**
IG Ø Interno do Dente	**19.05**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Logan (2004), Logan Express (2009), Logan MCV (2007), Logan Pick Up (2008) | **Ford** Fiesta (2013), Focus (2013→) | **Renault** Clio Grandtour (2008), Clio II (1998), Clio II Box (1998), Clio III (2005), Grand Scenic II (2004), Kangoo (1997), Kangoo (2008), Kangoo Express (1997), Kangoo Express (2008), Laguna III (2007), Laguna III Grandtour (2007), Logan Estate (2007), Megane CC (2010), Megane II (2002), Megane II Coupé-Cabriolet (2003), Megane II Estate (2003), Megane II

Saloon (2003), Megane III Coupé (2008), Megane III Grandtour (2008), Megane III Hatchback (2008), Modus (2004), Scenic II (2003), Thalia (1998), Twingo (2007)

OEM *ORIGINAL*

Valeo 195041, 195334, 438224, 458388

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Dacia 7711497567, 8200306595, 8200836473 | **Delco Remy** DRS3985 | **Ford** 8V2111000BC, 8V2111000BD, 8V2111000BE | **Mitsubishi** M000T87881, M0T87881 | **Renault** 233003329R | **Valeo** 8V2111000BC, 8V2111000BD, 8V2111000BE, TS12E10, TS12E9

99.1757.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**21.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Duster (2.0), Grand Scenic III (1.9 DCI), Megane III (1.9 DCI), Scenic III (1.9 DCI)

OEM *ORIGINAL*

Bosch 1006209849, 1006209940

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107477, 0001108428, 0001108429

99.1758.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**29.38**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**45.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.6 HDI), C2 (1.6 HDI), C3 (1.6 16v HDI), C4 (1.6 HDI), C5 (1.6 HDI), Xsara Picasso (1.6 HDI) | **Peugeot** 1007 (1.6 HDI), 206 (1.6 HDI), 207 (1.6 HDI), 307 (1.6 HDI), 308 (1.6 HDI), 407 (1.6 HDI), Expert (1.6 HDI), Partner (1.6 HDI), Partner Tepee (1.6 HDI)

OEM *ORIGINAL*

Valeo 157391, 193751

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TS22E26

99.1759.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**75.00**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda City, Fit

OEM *ORIGINAL*

Denso 0283000110, 0283005370, 0283009470 | **Honda** 31207PH9004 | **Toyota** 28011BZ020

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 4280005800

99.1761.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cadillac Escalade (V8 6.2L, 2015~2016) | **General Motors/Chevrolet** Silverado (1500 V6 4.3L, 2014~2016), Silverado (1500 V8 5.3L, 2014~2016), Silverado (1500 V8 6.2L, 2014~2016), Suburban (V8 5.3L, 2015~2016), Tahoe (V8 5.3L, 2015~2016) | **GMC** Sierra (1500 V6 4.3L, 2014~2016), Sierra (1500 V8 5.3L, 2014~2016), Sierra (1500 V8 6.2L, 2014~2016), Yukon (V8 5.3L, 2015~2016), Yukon (V8 6.2L, 2015~2016), Yukon (XL V8 5.3L, 2015~2016), Yukon (XL V8 6.2L, 2015~2016) | **Nissan** March (1.6), Versa

OEM *ORIGINAL*

Mitsubishi M191T15271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 12655055, 183117860 **|** **Lester** 10910 **|** **Mitsubishi** M000T24072, M000T32175ZC, M0T24072 **|** **Nissan** 233001HK0A

99.1762.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Cube (1.8), Livina, Sentra (2.0), Tiida (1.8), Xtrail (2.0)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114902A **|** **Nissan** 23300EN20A, 23300EN20B

99.1763.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**41.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.1), Berlingo (1.4), Berlingo (1.6), C2 (1.1), C2 (1.4), C2 (1.6), C3 (1.1), C3 (1.4), C3 (1.6), Saxo (1.0), Saxo (1.1), Saxo (1.4), Saxo (1.6), Xsara (1.4), Xsara (1.6), Xsara Picasso (1.6) **|** **Renault** Clio III (1.1), Clio III (1.2), Kangoo (1.2), Kangoo (1.2 16v)

OEM *ORIGINAL*

Valeo 193512, 594726

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TS8E2, TS8E6

99.1764.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.60**
IG Ø Interno do Dente	**24.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Fusion (L4 2.3L 140cid, 2006~2009), Fusion (L4 2.5L 2488cc 152cid, 2010), Ranger (2.5 Duratec, 2012~2016) **|** **Mazda** 3 (L4 2.0L 1998cc 122cid VIN F, 2012), 3 (L4 2.0L 1998cc 122cid VIN G, 2012), 3 (L4 2.0L 1999cc 122cid, 2010), 3 (L4 2.0L 1999cc 122cid VIN F, 2011~2012), 3 (L4 2.0L 1999cc 122cid VIN G, 2011~2012), 3 (L4 2.0L 2000cc 122cid, 2010), 3 (L4 2.0L 2000cc 122cid VIN F, 2011~2012), 3 (L4 2.3L 2260cc, 2004~2009), 3 (L4 2.3L 2260cc 138cid, 2006), 5 (L4 2.3L 2260cc, 2006~2010), 5 (L4 2.3L 2260cc 138cid, 2007~2010), 6 (2.3L Non-Turbo Gasolina / Gasoline L3, 2003), 6 (2.3L Non-Turbo Gasolina / Gasoline L3, 2006~2007), 6 (2.3L Non-Turbo Gasolina / Gasoline L3, 2009), 6 (L4 2.3L 2260cc, 2003~2005), 6 (L4 2.3L 2260cc, 2008), 6 (L4 2.3L 2260cc 138cid, 2008), 6 (L4 2.3L 2260cc 138cid Turbo, 2006~2007), 6 (L4 2.3L 2260cc Turbo, 2006~2007), 6 (L4 2.5L 2488cc 152cid, 2009~2010), CX-7 (L4 2.3L 2260cc, 2007~2009) **|** **Mercury** Milan (L4 2.3L 140cid, 2006~2009), Milan (L4 2.5L 2488cc 152cid, 2010) **|** **Nissan** Altima (L4 2.4L 2389cc, 2001), Armada (V8 5.6L 5552cc Flex, 2010~2014), Frontier (V6 3.3L 3275cc, 2002~2004), Titan (V8 5.6L 5552cc Flex, 2011~2014), XTerra (V6 3.3L 3275cc, 2002~2004)

OEM *ORIGINAL*

Mitsubishi 15471, 19971, M191X19971

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 6E5T11000AB, AB3911000CA **|** **Mitsubishi** M000T37671, M000T37671ZT, M000T88481ZC, M000T88482ZC, M0T37671, M0T37671ZT, M0T87681, M0T87781, M0T87781ZC, M0T88481, M0T90685, M0T90685ZC, MT87781ZC

99.1765.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.50**

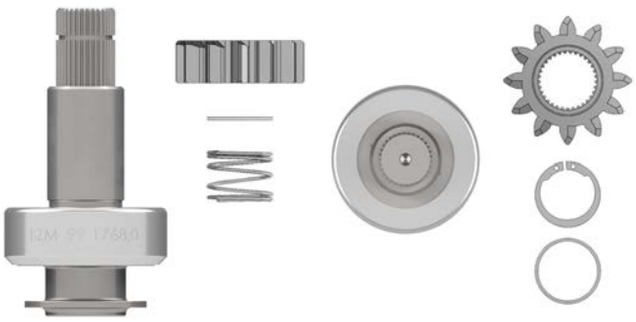
APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 125i (3.0L 2996cc, 2008~2013), 135i (3.0L 2979cc, 2008~2013), 5 Séries Active Hybrid (3.0L 2979cc, 2011~2013), 523i (3.0L 2996cc, 2010~2013), 528i (3.0L 2996cc, 2010~2013), 530Li (3.0L, Non-Turbo, N52B30AF, 2013~2014), 730i (3.0L 2996cc, 2008~2013), 740i (3.0L 2979cc, 2008~2013), X3 (3.0L 2979cc, 2011~2013), X3 (3.0L 2996cc, 2011~2013), Z4 (2.5L 2497cc, 2009~2013), Z4 (3.0L 2979cc, 2009~2013), Z4 (3.0L 2996cc, 2009~2013)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TS12E36

99.1768.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12/33**
2T Dois Dentes	**12.37**
G Ø Externo do Dente	**37.80/16.95**
IG Ø Interno do Dente	**27.40/15.60**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**87.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Amarok (2.0 BiTDI), Amarok (2.0 TDI), Amarok (2.0 TDI 4motion), Amarok (BiTDI 4motion)

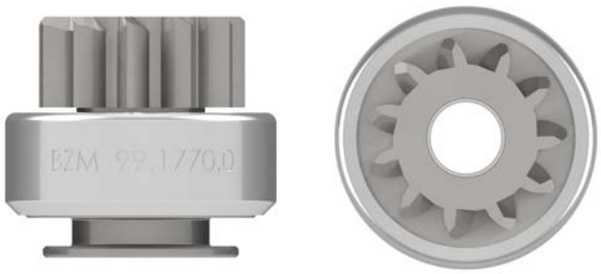
OEM *ORIGINAL*

ERA 226076 | **Krauf** SDV5683 | **Valeo** 595683

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TS22ER12, TS22ER13 | **Volkswagen** 2H0911023, 2H0911023AX

99.1770.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**40.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai IX35, Santa Fé (L4 2.0L 1998cc 122cid, 2013), Sonata (L4 2.0L 1998cc 122cid VIN B, 2011~2012), Tucson (L4 2.0L 1975cc VIN B, 2011~2012), Tucson (L4 2.4L 2359cc VIN C, 2011~2012) | **Kia** Carens III (2.0), Cerato (2.0), Forte (L4 2.0L 1998cc 122cid, 2011~2013), Forte (L4 2.4L 2359cc, 2011~2013), Forte 5 (L4 2.0L 1998cc 122cid, 2012~2013), Forte 5 (L4 2.4L 2359cc, 2012~2013), Forte Koup (L4 2.0L 1998cc 122cid, 2011~2013), Forte Koup (L4 2.4L 2359cc, 2011~2013), Magentis (2.0), Optima (2.0), Optima (L4 2.0L 1998cc 122cid, 2012~2013), Sportage (2.0), Sportage (2.4), Sportage (L4 2.0L 1998cc 122cid, 2011~2013), Sportage (L4 2.4L 2359cc, 2011~2013)

OEM *ORIGINAL*

Hyundai 361452E500, 361452G000, 361452G200 | **Krauf** K12JL17C, SDD1770 | **WAI** 54198

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000357 **| Hyundai** 361002G200

99.1771.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**45.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler Avenger (L4 2.4L 2360cc 144cid, 2008~2010), Caliber (L4 1.8L 1798cc 110cid, 2007~2009), Caliber (L4 2.0L 1998cc 122cid, 2007~2010), Caliber (L4 2.0L 1998cc 122cid VIN A, 2011~2012), Caliber (L4 2.4L 2360cc 144cid, 2007~2010), Caliber (L4 2.4L 2360cc 144cid VIN A, 2011), Journey (L4 2.4L 2360cc 144cid, 2009~2010), Sebring (L4 2.4L 2360cc 144cid, 2007~2010) **| Dodge** Compass (L4 2.0L 1998cc 122cid, 2007~2010), Compass (L4 2.0L 1998cc 122cid VIN A, 2011~2013), Compass (L4 2.4L 2360cc 144cid, 2007~2010), Journey (L4 2.4L 2360cc 144cid VIN B, 2011) **| Fiat** Freemont **| Hyundai** Magentis (V6 2.7L 2656cc, 2007~2009), Optima (V6 2.7L 2656cc, 2007~2009), Rondo (V6 2.7L 2656cc, 2007~2009), Santa Fé (V6 2.7L 2656cc, 2007~2009) **| JEEP** Compass (L4 2.4L 2360cc 144cid VIN B, 2011~2013), Patriot (2.0L 1998cc 122cid, 2007~2013), Patriot (L4 2.4L 2360cc 144cid, 2007~2013)

OEM *ORIGINAL*

Mitsubishi 1X18 **| Valeo** 7D24B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 05034555AA **| Mitsubishi** M000T32071, M000T32071ZC, M0T32071 **| Valeo** 1250313

99.1774.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**34.00**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**45.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (2.0) **| Dacia** Duster (1.5), Logan (1.5), Sandero (1.5) **| Fiat** Ulysse (2.2) **| Nissan** Kubistar (1.5), Note (1.5), Qashqai (1.5), Tiida (1.5) **| Renault** Clio II (1.5), Clio III (1.5), Grand Scenic II (1.5), Kangoo Be Pop (1.5), Megane II (1.5), Megane III (1.5), Modus (1.5), Scenic II (1.5), Thalia (1.5), Twingo (1.5)

OEM *ORIGINAL*

Mitsubishi M191T19271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000T20871ZE, M0T20871, M0T21471, M1T80481

99.1775.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**43.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Elantra (L4 2.0L 1975cc, 2005~2006), I30 (2.0), Tiburon (L4 2.0L 1975cc, 2005~2006), Tucson (L4 2.0L 1975cc, 2005~2009) | **Kia** Soul, Spectra (L4 2.0L 1975cc, 2006), Spectra 5 (L4 2.0L 1975cc, 2006), Sportage (L4 2.0L 1975cc, 2005~2006)

OEM *ORIGINAL*

Cargo 333720 | **Hyundai** 3614523171 | **Valeo** 1L22B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hyundai 3610023071, 3610023171 | **Valeo** 1195921, 1195922

99.1776.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**11.55**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**17.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**45.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet S10 (2.8 Diesel, 2012~2014), TrailBlazer (2.8 Diesel, 2012→)

OEM *ORIGINAL*

Valeo 195202, 595724

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 55564374 **| Valeo** TS22E20

99.1777.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**55.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai HB20 (1.6) **| Kia** Rio (1.6)

OEM *ORIGINAL*

Cargo 333721 **| Hyundai** 361452B102 **| Krauf** SDA2102 **| Valeo** 2H08 **| WAI** 549450

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hyundai 3610003101, 361002B102 **| Kia** 361002B102 **| Valeo** 1201942, 1201952

99.1778.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**55.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Accent (L4 1.6 1591cc 97cid, 2012~2013), HB20 (1.0), Veloster (L4 1.6 1591cc 97cid, 2012) **| Kia** Cerato (1.6), Forte (1.6), Forte (2.0), Forte (2.4), Rio (L4 1.6 1591cc, 2012), Soul (L4 1.6 1591cc, 2010~2012)

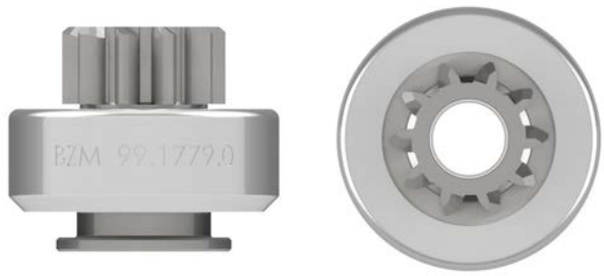
OEM *ORIGINAL*

Hyundai 3613911140 **| Valeo** 2E11

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hyundai 361002B100 **| Valeo** 1195239

99.1779.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**38.50**

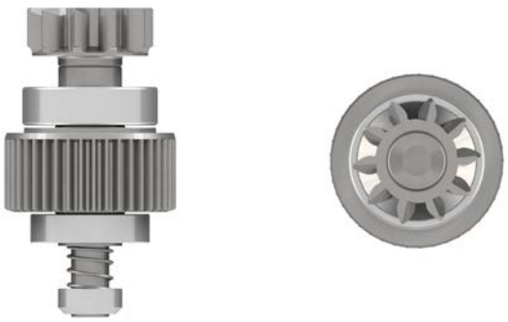
APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Bravo II (1.4), Doblò (1.4), Grand Punto (1.4), Grand Siena (1.4), Idea (1.2), Palio (1.4), Panda (1.1), Panda (1.2), Panda (1.4), Punto (1.4), Strada **| Lancia** Musa (1.4), Ypsilon (1.4)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 51899848, 55193356 **| Hitachi** S114905, S114906, S114907, S114951A, S114951B

99.1780.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.60**
G Ø Externo do Dente	**39.20**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**13.60**
L Comprimento	**95.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Frontier (Turbo Diesel, 2007~2012)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S14413C **| Nissan** 23300EB71E

99.1781.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

JAC J3, J3 Turin

OEM *ORIGINAL*

JAC 11A20 | **Krauf** QDY1289, SDM9565, ST1299

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Jhaem 1043100GG010, L21580, QDY1289

99.1784.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.26**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**24.70**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.40**
L Comprimento	**89.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lucas Indiel Motor M101R, Motor M95R | **Volkswagen** Caminhão / Truck / Camión (Motor MWM Serie X-10 229)

OEM *ORIGINAL*

Prestolite 35262268

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35261990, 35262170, 35262170AM, 35262550

99.1785.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.75**
G Ø Externo do Dente	**46.40**
IG Ø Interno do Dente	**34.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.40**
L Comprimento	**89.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Especial / Special | **Ford** Cargo | **Lucas Indiel** Motor M101R | **Volkswagen** Titan

OEM *ORIGINAL*

Lucas Indiel 35261899

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35261635AM, 35262160AM, 35262420

99.1786.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**75.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Jumps Auto

99.1787.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.95**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**43.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (2.0 Duratec Manual, 2012~2017), Focus (2.0 Duratec Manual)

OEM *ORIGINAL*

Valeo 501494

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo FS14B1

99.1788.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**35.00**
IG Ø Interno do Dente	**23.75**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**43.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (2.0 Duratec Automático / Automatic), Focus (2.0 Duratec Automático / Automatic) | **Hyundai** Elantra

OEM *ORIGINAL*

Valeo 501492

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford CN1511000BA, CN15111000CA | **Hyundai** 361002E120 | **Valeo** 1195411, 495117, FS14B2

99.1790.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**36.30**
IG Ø Interno do Dente	**24.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Ducato (2.3 Multijet Diesel), Ducato 110, Ducato 120, Ducato 130, Ducato 150 | **Peugeot** Boxer

OEM *ORIGINAL*

Bosch 1006209834, 1006209864

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001115078, 0001115079, 0001115114, 0001115115, 0001115116, 0001115117

99.1791.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.28**
G Ø Externo do Dente	**28.15**
IG Ø Interno do Dente	**19.05**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**44.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford New Fiesta, Nova Ecosport (2013)

OEM *ORIGINAL*

Valeo 1202517

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford CN1511000CA **| Valeo** FS10B2

99.1794.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**48.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai H100 (2.5 Diesel), HR (2.5 Diesel), Porter, Starex **| Kia** Bongo, Sorento

OEM *ORIGINAL*

Hyundai 361452F000, 361454A000, 361454A100 **| Krauf** SDD2000

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hyundai 361004A100, 361004A150 **| Remy** 8000534, 8000837

99.1796.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**34.10**
IG Ø Interno do Dente	**21.80**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**38.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale M790, M90ID, M93, M95W, Trator / Tractor 4100, Trator / Tractor 4100.4, Trator / Tractor 4118

OEM *ORIGINAL*

Agrale 7010010016006

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Unipoint STR3302

99.1800.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**48.60**

Original de 6 estrias, reforçada para 12 EstriasOriginal 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Azera, Entourage (GLS Mini Passenger Van 4 portas / doors / puertas), Genesis Coupe, Genesis Sedan (4 portas / doors / puertas 3.8), Santa Fé, Sonata Sedan (GLS 4 portas / doors / puertas), Veracruz | **Kia** Amanti, Borrego, Forte Koup, Magentis, Optima, Rondo, Sorento

OEM *ORIGINAL*

Hyundai 3614525010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000169, 8000300, 8000340 | **Hyundai** 3610025020, 361002CC00, 361003C150

99.1801.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**10.59**
G Ø Externo do Dente	**23.50**
IG Ø Interno do Dente	**15.25**
ID Ø da Bucha	**10.70**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.80**
L Comprimento	**43.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dacia Logan (1.4), Logan (1.6), Logan (16v), Sandero (1.4), Sandero (1.6) | **Renault** Clio II (1.4 16v), Clio II (1.6 16v), Kangoo (1.6), Kangoo (16v), Megane I (1.4)

OEM *ORIGINAL*

Cargo 235426, 239458 | **Dacia** 6001547546 | **Krauf** SDM5426 | **Mitsubishi** M191X243BT

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M0T45071, M0T45171, M0T45371

99.1803.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13/22**
2T Dois Dentes	**10.67**
G Ø Externo do Dente	**18.75/34.65**
IG Ø Interno do Dente	**17.15/25.45**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**96.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A1, A3, Q3 | **Seat** Ateca (1.5, 2018→), Leon, Leon (1.5, 2018→), MII (1.0, 2012→), Tarraco (1.5, 2019→), Toledo | **Skoda** Citigo (1.0, 2012→), Fabia, Octavia, Octavia (1.5, 2019→), Octavia (2.0, 2017→), Rapid, Scala (1.0, 2019→), Scala (1.5, 2019→) | **Volkswagen** Arteon (1.5, 2017→), Arteon (2.0, 2018→), California (2.0, 2015→), Caravelle (2.0, 2015→), Fox (1.0, 3 cil / cyl), Golf Sportsvan (1.5, 2017→), Golf VII (1.2 TSI, 2013→), Golf VII (1.5, 2018→), Golf VII (2.0, 2018→), Multivan (2.0, 2015→), Passat (1.5, 2018→), Polo (1.5, 2018→), Polo (2.0, 2018→), Polo (2.0R WRC, 2013→), Sharan (1.4, 2018→), T-Cross (1.0, 2018→), T-Cross (1.4, 2019→), Tiguan (1.5, 2018→), Touran (1.5, 2018→), Transporter (2.0, 2015→), UP (1.0, 2012→)

OEM *ORIGINAL*

Bobcat 0399D73303 | **Bosch** 0399D73168, 1006210271, 1006385069 | **Cargo** 333926 | **ERA** 226084 | **Krauf** SDB4001, SDB7001, SDB7001PN | **Magneti Marelli** 940113020512 | **Volkswagen** 03G911335L, 03G911342L

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001177000, 0001177001, 0001177006, 0001177007, 0001177008, 0001177009, 0001179500, 0001179501, 0001179602, 0001179603, 0001179608, 0001179609 | **Volkswagen** 02M911021H, 02M911022F, 02M911022FX,

02M911024Q, 02M911024R, 0AM911022C

99.1805.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**21**
2T Dois Dentes	**-**
G Ø Externo do Dente	**16.40**
IG Ø Interno do Dente	**14.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.20**
IS Ø Interno da Estria	**18.40**
L Comprimento	**131.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 10.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 13000 (MWM 6.10 TCA), Caminhão / Truck / Camión 14.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 14.000 6X2 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 6000 (MWM 4.10 TCA), Caminhão / Truck / Camión 6000 (MWM 4.12 TCE), Caminhão / Truck / Camión 8500 (MWM 4.10 TCA), Caminhão / Truck / Camión 8500 (MWM 4.12 TCE), Caminhão / Truck / Camión 9200 (MWM 4.10 TCA), Caminhão / Truck / Camión 9200 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 10.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 10.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 12.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 15.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 15.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 7.9 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 7.9 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 8.5 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 8.5 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 9.2 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 9.2 (MWM 4.12 TCE), Chassi / Chassis / Chasi MT 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MT 12.0 (MWM 4.12 TCE), Furgovan 8000 (MWM 4.10 TCA), Ônibus / Bus / Ómnibus MA 10.0 (MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 12.0 (MWM MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MA 15.0 (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 9.2 (MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MT 15.0 LE (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus V8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus Volare V8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W9 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus W8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus W9 (MWM 4.12 TCE, 2008→) | **BZM** Utiliza Pinhão BZM 99.12954.0 / Uses 99.12954.0 BZM Pinion / Utiliza Piñion BZM 99.12954.0, Utiliza Pinhão BZM 99.12955.0 / Uses 99.12955.0 BZM Pinion / Utiliza Piñion BZM 99.12955.0, Utiliza Pinhão BZM 99.12956.0 / Uses 99.12956.0 BZM Pinion / Utiliza Piñion BZM 99.12956.0, Utiliza Pinhão BZM 99.12957.0 / Uses 99.12957.0 BZM Pinion / Utiliza Piñion BZM 99.12957.0, Utiliza Pinhão BZM 99.12961.0 / Uses 99.12961.0 BZM Pinion / Utiliza Piñion BZM 99.12961.0 | **Case** Motoniveladora / Motor Grader / Motoniveladora 845, Motoniveladora / Motor Grader / Motoniveladora 845 (Transmissão / Transmission / Transmisión ZF), Motoniveladora / Motor Grader / Motoniveladora 845.2, Motoniveladora / Motor Grader / Motoniveladora FG 140.2, Motoniveladora / Motor Grader / Motoniveladora RG140B, Pá Carregadeira / Wheel Loader / Pala Cargadora 521D, Pá Carregadeira / Wheel Loader / Pala Cargadora 621D, Pá Carregadeira / Wheel Loader / Pala Cargadora W130, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 | **Delco Remy** 29 MT Geração / Generation / Generación II (Antigo / Old / Antiguo) | **Fiat Allis** Pá Carregadeira / Wheel Loader / Pala Cargadora FR128, Trator de Esteira / Track-Type Tractor / Buldócer 7D | **Ford** Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e

(4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011) **| Freightliner** Caminhão / Truck / Camión M2 (Motor MB906 / 904) **| Mercedes-Benz** Axor 1419 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1419 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1719 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1719 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1729S (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1729S (Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2426 (6x2 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2426 (6x2 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM926), Caminhão / Truck / Camión 1215, Caminhão / Truck / Camión 1218EL, Caminhão / Truck / Camión 1218L, Caminhão / Truck / Camión 1418 EL, Caminhão / Truck / Camión 1418L, Caminhão / Truck / Camión 1418R (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1418R (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1718, Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1725, Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 712C, Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 714C, Caminhão / Truck / Camión 715, Caminhão / Truck / Camión 915C, Caminhão / Truck / Camión Accelo 1016 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Accelo 815 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT) **| Navistar** Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro II), Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro III) **| New Holland** Motoniveladora / Motor Grader / Motoniveladora 140, Pá Carregadeira / Wheel Loader / Pala Cargadora 12C, Trator de Esteira / Track-Type Tractor / Buldócer 7D **| Volkswagen** Caminhão / Truck / Camión 10-150E (06/2009→), Caminhão / Truck / Camión 13180E (06/2009→), Caminhão / Truck / Camión 15190E (06/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 17250E (Cummins ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, 10/2009→), Caminhão / Truck / Camión 8-150 (Eletr Delivery Puls, 06/2009→), Caminhão / Truck / Camión 9-150E (06/2009→), Caminhão / Truck / Camión 9150 (Eletr Delivery-Cummins, 01/2010→), Caminhão / Truck / Camión Constellation 13180 (MWM 6 cil / cyl), Caminhão / Truck / Camión Constellation 13180 (MWM Eletrônico / Electronic / Electrónico 4 cil / cyl), Caminhão / Truck / Camión Constellation 15180 (MWM Eletrônico / Electronic / Electrónico 6 cil / cyl) **| Volvo** VM 210 (MWM 4.12TCE, ←12/2011), VM 210 (MWM 6.12 TCE, ←12/2011), VM 260 (MWM

4.12 TCE, ←12/2011), VM 260 (MWM 6.12 TCE, ←12/2011), VM 310 (MWM 4.12 TCE, ←12/2011), VM 310 (MWM 6.12 TCE, ←12/2011)

OEM *ORIGINAL*

Delco Remy 10515810, 10515811

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011400, 19011402, 19011403, 19011407, 8200003, 8200004, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200196, 8200231, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200564, 8200816, 8200826, 8200848, 8200853, 8200854, 8200875, 8200882, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890

99.1806.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**19**
2T Dois Dentes	**-**
G Ø Externo do Dente	**20.80**
IG Ø Interno do Dente	**18.90**
ID Ø da Bucha	**18.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**7**
ES Ø Externo da Estria	**25.40**
IS Ø Interno da Estria	**22.10**
L Comprimento	**130.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Scania 124

OEM *ORIGINAL*

Bosch 0399D53002, 2006209558, 2007010160, 6033AD5359 | **Cargo** 333407 | **ERA** 226086 | **Krauf** SDB3407

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001261025

99.1807.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**13.35**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**57.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Ranger (2.2, 2012→), Ranger (3.2, 2012→)

OEM *ORIGINAL*

Mitsubishi M191T96571

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford AB3911000AA, AB3911000BA **| Mitsubishi** M002T85971ZT, M002T86071ZT

99.1808.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**26**
2T Dois Dentes	**-**
G Ø Externo do Dente	**18.85**
IG Ø Interno do Dente	**17.45**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**25.00**
IS Ø Interno da Estria	**22.10**
L Comprimento	**140.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.12967.0 / Uses 99.12967.0 BZM Pinion / Utiliza Piñion BZM 99.12967.0 **| Mercedes-Benz** Actros 1832, Actros 1836, Actros 1841, Actros 1844, Actros 1846, Actros 1850, Actros 1851, Actros 1854, Actros 1858, Actros 2632, Actros 2636, Actros 2641, Actros 2644, Actros 2646, Actros 2650, Actros 2651, Actros 2654, Actros 2655, Actros 2658, Axor 2006, Axor 3344 **| Renault** FR1, GTC, GTE, GTX, GTXE, Iliade FRH, Iliade GT, Magnum (AE), Manager, Master, RTX, TX

OEM *ORIGINAL*

Mitsubishi M191T90271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M9T80071, M9T80472, M9T80473, M9T82071, M9T82479, M9T83671

99.1809.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**23**
2T Dois Dentes	**-**
G Ø Externo do Dente	**17.40**
IG Ø Interno do Dente	**16.40**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**68.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**25.00**
IS Ø Interno da Estria	**22.10**
L Comprimento	**144.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.13130.0 / Uses 99.13130.0 BZM Pinion / Utiliza Piñion BZM 99.13130.0, Utiliza Pinhão BZM 99.13138.0 / Uses 99.13138.0 BZM Pinion / Utiliza Piñion BZM 99.13138.0 **| Case** Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A8000 (Motor Case IH C9), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A8800 (Motor Case IH C9), IH C9 **| Cummins** Motor C (8,3L), Motor ISC (8,3L) **| Delco Remy** 38MT **| Ford** Cargo 1622 (Cummins), Cargo 1630 (Cummins), Cargo 2422 (Cummins), Cargo 2425 (Cummins), Cargo 2622 (Cummins), Cargo 2626 (Cummins), Cargo 2630 (Cummins), Cargo 2631 (Cummins), Cargo 3222 (Cummins),

Cargo 4030 (6CTAA 8,3L-Cummins), Cargo Eletrônico / Electronic / Electrónico 1932 (Motor Cummins ISL 8,3L, 03/2011→), Cargo Eletrônico / Electronic / Electrónico 2632 (Motor Cummins IL 8,3L, 03/2011→), Cargo Eletrônico / Electronic / Electrónico 2932 (Cummins ISL 8,3L, 03/2011→), Cargo Eletrônico / Electronic / Electrónico 4532 (Cummins ISL 8,3L, 03/2011→), Cargo Eletrônico / Electronic / Electrónico 5032 (Cummins ISL 8,3L, 03/2011→) | **Freightliner** M2 106 (Cummins ISB) | **Navistar** Caminhão / Truck / Camión Workstar (Motor DT466), Caminhões / Trucks / Camiones Durastar (Motor DT466) | **Random** Caminhão Florestal / Forest Truck / Camión Forestal RK 628C-F (Scania DC9), Caminhão Fora de Estrada / Off Road Truck / Camión Fuera de la Carretera RK 628 C (Scania DC09), Caminhão Fora de Estrada / Off Road Truck / Camión Fuera de la Carretera RK 628 C-R (Scania DC09), Caminhão Fora de Estrada / Off Road Truck / Camión Fuera de la Carretera RK-430B (Scania DC09), Caminhão Fora de Estrada / Off Road Truck / Camión Fuera de la Carretera RK-430M (Scania DC09) | **Scania** P 230 (DC 09 Euro 3, 09/2004~09/2006), P 230 (DC 09 Euro 4, 09/2005→), P 270 (DC 09 Euro 3, 09/2004~09/2006), P 270 (DC 09 Euro 4, 09/2005→), P 310 (DC 09 Euro 3, 09/2004~09/2006), P 310 (DC 09 Euro 4, 09/2005→), P 340 (DC 11 Euro 3, 09/2004~09/2006), P 340 (DC 12 Euro 4, 09/2005→), P 380 (DC 11 Euro 3, 09/2004~09/2006), P 380 (DC 12 Euro 4, 09/2005→), P 380 (DC 12 Euro 5, 09/2006→), P 420 (DC 12 Euro 3, 09/2004~09/2006), P 420 (DC 12 Euro 5, 09/2006→), P 420 (DT 12 Euro 4, 09/2004→), P 470 (DT 12 Euro 3), P 470 (DT 12 Euro 3, 09/2004~09/2005), P 480 (DT 12 Euro 4, 09/2006→), R 230 (DC 09 Euro 3, 09/2004~09/2006), R 230 (DC 09 Euro 4, 09/2005→), R 270 (DC 09 Euro 3, 09/2004~09/2006), R 270 (DC 09 Euro 4, 09/2005→), R 310 (DC 09 Euro 3, 09/2004~09/2006), R 310 (DC 09 Euro 4, 09/2005→), R 340 (DC 11 Euro 3, 03/2004~09/2006), R 340 (DC 12 Euro 4, 09/2005→), R 380 (DC 11 Euro 3, 03/2004~09/2006), R 380 (DC 12 Euro 4, 09/2005→), R 380 (DC 12 Euro 5, 09/2006→), R 420 (DC 12 Euro 3, 02/2004~09/2006), R 420 (DC 12 Euro 5, 02/2006→), R 420 (DT 12 Euro 4, 09/2004~08/2005), R 420 (DT 12 Euro 4, 09/2005→), R 470 (DT 12 Euro 3, 04/2004~09/2006), R 470 (DT 12 Euro 4, 09/2005~08/2006), R 480 (DT 12 Euro 4, 09/2006→), T 340 (DC 11 Euro 3, 09/2004~10/2005), T 380 (DC 11 Euro 3, 09/2004~10/2005), T 420 (DC 12 Euro 3, 09/2004~10/2005), T 420 (DT 12 Euro 4, 09/2004~10/2005), T 470 (DT 12 Euro 3, 09/2004~10/2005) | **Volkswagen** Caminhão / Truck / Camión 17220 (Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 17310 (Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 18.310, Caminhão / Truck / Camión 19320, Caminhão / Truck / Camión 19370 (9,3L International), Caminhão / Truck / Camión 23220 (Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 23310 (Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 24220 (Motor Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 25370 (9,3L International), Caminhão / Truck / Camión 26260 (Motor Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 26310 (Motor Cummins 6CTAA 8,3L), Caminhão / Truck / Camión 31320, Caminhão / Truck / Camión 31370 (9,3L International), Ônibus / Bus / Ómnibus 17320 E (Cummins), Ônibus / Bus / Ómnibus 18320 EVO (Cummins), Ônibus / Bus / Ómnibus 19320 EOT Quéops Evolution (Cummins ISC 8,3L), Ônibus / Bus / Ómnibus 19360 E (Cummins), Ônibus / Bus / Ómnibus 24320 E (Cummins), Ônibus / Bus / Ómnibus 25320 E (Cummins), Ônibus / Bus / Ómnibus 25370 E (Cummins), Ônibus / Bus / Ómnibus 25400 E (Cummins) | **Volvo** Caminhão / Truck / Camión FH12, Caminhão / Truck / Camión NH12

OEM *ORIGINAL*

Delco Remy 10512095

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19026027, 19026035, 8200005, 8200025, 8200053, 8200072, 8200075, 8200077, 8200078, 8200242, 8200356, 8200486, 8200733

99.1810.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**28**
2T Dois Dentes	**-**
G Ø Externo do Dente	**20.00**
IG Ø Interno do Dente	**18.70**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**25.00**
IS Ø Interno da Estria	**22.10**
L Comprimento	**148.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.13117.0 / Uses 99.13117.0 BZM Pinion / Utiliza Piñion BZM 99.13117.0, Utiliza Pinhão BZM 99.13118.0 / Uses 99.13118.0 BZM Pinion / Utiliza Piñion BZM 99.13118.0 | **Delco Remy** 39MT, Geração III /

Generation III / Generación III **|** **Fiat Allis** Motoniveladora / Motor Grader / Motoniveladora FG 170, Motoniveladora / Motor Grader / Motoniveladora FG 170.2 , Motoniveladora / Motor Grader / Motoniveladora FG 200, Motoniveladora / Motor Grader / Motoniveladora FG 200.2 **|** **Freightliner** Cascadia (Cummins ISX), Cascadia (DD13), Cascadia (DD15), Cascadia (DD16), Cascadia (Detroit S60), Cascadia (MBE4000), Century (CAT C15), Century (Detroit S60), Century (MBE4000), Coronado (Cummins ISX), Coronado (DD13), Coronado (DD15), Coronado (DD16), M2 106 (Cummins ISC), M2 112 (DD13), Motor MBE4000, Severe Duty (Cummins ISX), Severe Duty (DD13) **|** **Mack** Caminhões / Trucks / Camiones Granite (Mack MP8), Caminhões / Trucks / Camiones Pinnacle (Mack MP8), Caminhões / Trucks / Camiones TerraPro (Mack MP8) **|** **Navistar** Caminhões / Trucks / Camiones Paystar (Cat), Caminhões / Trucks / Camiones Paystar (Cummins ISX), Caminhões / Trucks / Camiones Prostar (Cat), Caminhões / Trucks / Camiones Prostar (Cummins ISX), Caminhões / Trucks / Camiones Transtar (Cat), Caminhões / Trucks / Camiones Transtar (Cummins ISX) **|** **New Holland** Motoniveladora / Motor Grader / Motoniveladora 170, Motoniveladora / Motor Grader / Motoniveladora 200, Motoniveladora / Motor Grader / Motoniveladora 865, Motoniveladora / Motor Grader / Motoniveladora 865.2, Motoniveladora / Motor Grader / Motoniveladora 885, Motoniveladora / Motor Grader / Motoniveladora 885.2 **|** **Volvo** Caminhões / Trucks / Camiones VHD (Cummins ISX), Caminhões / Trucks / Camiones VHD (D12), Caminhões / Trucks / Camiones VN (Cummins ISX), Caminhões / Trucks / Camiones VN (D12)

OEM *ORIGINAL*

Delco Remy 10526468 **|** **Krauf** SDD6468

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011514, 19011518, 19011519, 19011521, 19011522, 19011523, 19011524, 19011527, 19011529, 8200050, 8200081, 8200085, 8200087, 8200090, 8200101, 8200201, 8200287, 8200288, 8200289, 8200290, 8200291, 8200308, 8200329, 8200330, 8200417, 8200421, 8200431, 8200433, 8200434, 8200435, 8200436, 8200446, 8200468, 8200469, 8200519, 8200572, 8200605, 8200606, 8200699, 8200719, 8600612

99.1811.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**23**
2T Dois Dentes	**-**
G Ø Externo do Dente	**17.40**
IG Ø Interno do Dente	**16.40**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**25.00**
IS Ø Interno da Estria	**22.10**
L Comprimento	**144.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.13131.0 / Uses 99.13131.0 BZM Pinion / Utiliza Piñion BZM 99.13131.0, Utiliza Pinhão BZM 99.13132.0 / Uses 99.13132.0 BZM Pinion / Utiliza Piñion BZM 99.13132.0 **|** **Case** Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7000 (Cummins), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7700 (Cummins), Motoniveladora / Motor Grader / Motoniveladora 865, Motoniveladora / Motor Grader / Motoniveladora 865.2, Motoniveladora / Motor Grader / Motoniveladora 885, Motoniveladora / Motor Grader / Motoniveladora 885.2 **|** **Cummins** Geradores Cummins / Cummins generators / Generadores Cummins C350 D6 (Cummins NTA855), Geradores Cummins / Cummins generators / Generadores Cummins C400 D6 (Cummins NTA855) **|** **Delco Remy** 39MT, Geração II / Generation II / Generación II **|** **Fiat Allis** Motoniveladora / Motor Grader / Motoniveladora FG 170, Motoniveladora / Motor Grader / Motoniveladora FG 170.2, Motoniveladora / Motor Grader / Motoniveladora FG 200, Motoniveladora / Motor Grader / Motoniveladora FG 200.2, Trator de Esteira / Track-Type Tractor / Buldócer FD170 **|** **Freightliner** Cascadia (Cummins ISX), Cascadia (Detroit S60), Cascadia (MBE4000), Century (CAT C15), Century (Detroit S60), Century (MBE4000), Coronado (Cummins ISX), Cummins ISM, Cummins ISX, DDC 60 Series, M2 106 (Cummins ISC), Motor CAT C10, Motor CAT C11, Motor CAT C12, Motor CAT C13, Motor CAT C15, Motor CAT C15 Acert, Motor MBE4000, N14, Prestolite MS2-510, Prestolite MS2-511, Prestolite MS2-514, Severe Duty (Cummins ISX) **|** **Kenworth** Motor C10, Motor C12, Motor CAT C11, Motor CAT C13, Motor CAT C15 Acert, Motor CAT C9, Motor Cummins ISM, Motor / Engine Cummins ISX, Prestolite MS2-500, Prestolite MS2-501, Prestolite MS2-502, Prestolite MS2-503, Prestolite MS2-504, Prestolite MS2-507, Prestolite MS2-51, Prestolite MS2-510 **|** **Mack** Caminhões / Trucks / Camiones Granite (Mack MP10), Caminhões / Trucks / Camiones Granite (Mack MP7), Caminhões

/ Trucks / Camiones Granite (Mack MP8), Caminhões / Trucks / Camiones Mack (E-7), Caminhões / Trucks / Camiones Mack (Mack MP8), Caminhões / Trucks / Camiones Mack (MP7), Caminhões / Trucks / Camiones Pinnacle (Mack E7), Caminhões / Trucks / Camiones Pinnacle (Mack MP10), Caminhões / Trucks / Camiones Pinnacle (Mack MP7), Caminhões / Trucks / Camiones Pinnacle (Mack MP8), Caminhões / Trucks / Camiones TerraPro (Mack E7), Caminhões / Trucks / Camiones TerraPro (Mack MP10), Caminhões / Trucks / Camiones TerraPro (Mack MP7), Caminhões / Trucks / Camiones TerraPro (Mack MP8) | **Navistar** Caminhões / Trucks / Camiones Paystar (Cat), Caminhões / Trucks / Camiones Paystar (Cummins ISX), Caminhões / Trucks / Camiones Prostar (Cat), Caminhões / Trucks / Camiones Prostar (Cummins ISX), Caminhões / Trucks / Camiones Transtar (Cat), Caminhões / Trucks / Camiones Transtar (Cummins ISX) | **New Holland** Motoniveladora / Motor Grader / Motoniveladora 170, Motoniveladora / Motor Grader / Motoniveladora 200 | **Volvo** Caminhões / Trucks / Camiones VHD (13L Volvo D13), Caminhões / Trucks / Camiones VHD (Cummins ISX), Caminhões / Trucks / Camiones VHD (D12), Caminhões / Trucks / Camiones VN (11L Volvo D11), Caminhões / Trucks / Camiones VN (13L), Caminhões / Trucks / Camiones VN (16L VHD Volvo D16), Caminhões / Trucks / Camiones VN (Cummins ISX), Caminhões / Trucks / Camiones VN (D12)

OEM *ORIGINAL*

Delco Remy 10511410

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011507, 19011509, 19011511, 19011512, 19011513, 19011514, 19011518, 19011519, 19011521, 19011522, 19011523, 19011527, 19011529, 8200032, 8200034, 8200039, 8200040, 8200041, 8200050, 8200081, 8200085, 8200087, 8200090, 8200101, 8200182, 8200201, 8200223, 8200287, 8200288, 8200289, 8200290, 8200291, 8200417, 8200469, 8200572

99.1812.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**29.38**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.6 HDI), C1 (1.4 HDI), C1 (1.6 HDI), C2 (1.4 HDI), C2 (1.6 HDI), C3 (1.4 HDI), C3 (1.6 HDI), C4 (1.6 16v Bio Flex), C4 (1.6 HDI), C5 (1.6 HDI), C5 (2.2 HDI), Picasso (1.6 16v Bio Flex), Picasso (1.6 HDI), Xsara Picasso (1.6 HDI) | **Peugeot** 1007 (1.4), 1007 (1.6 HDI), 107 (1.4), 107 (1.6 HDI), 206 (1.4), 206 (1.6 HDI), 207 (1.4), 207 (1.6 HDI), 3008 (1.6 HDI), 307 (1.4), 307 (1.6 HDI), 308 (1.4), 308 (1.6 HDI), 407 (1.6 HDI), 5008 (1.6 HDI), Partner (1.6 HDI), Ranch (1.6 HDI) | **Toyota** Aygo (1.4 D)

OEM *ORIGINAL*

Cargo 234819 | **Valeo** 192929, 194213, 594631

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 438166, 438189, 458185, 458237, D7G26, D7G3, TS14E110, TS18E13

99.1813.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**43.20**

Igual ao BZM 99.4980.0/Same as 99.4980.0 BZM/Igual que BZM 99.4980.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 316i, 318i, 318is, 320i, 323i (2.5), 325i, 325xi, 328i, 330i, 330xi, 520i, 523i, 525i, 528i, 530i, 728i, 730i, X3 (2.5i), X3 (3.0i), Z3 (1.8), Z3 (1.9), Z3 (2.0), Z3 (2.2), Z3 (2.8), Z3 (3.0), Z4 (2.2i), Z4 (2.5i), Z4 (3.0i) | **Hyundai** Coupé (2.0 16v) | **Toyota** Avensis (1.6), Avensis (1.8 VVTI), Corolla (1.4), Corolla (1.6), Corolla (1.8 VVTI), Crown, Fortuner, Hiace, Hilux, Kijang Innova, Land Cruiser Prado, MR 2 (1.8 16v VTI-ZZW30), Yaris (1.3 VVTI)

OEM *ORIGINAL*

Cargo 237379, 331969 | **Denso** 0283009451 | **Krauf** SDN6379 | **Toyota** 280210D090, 2802173020

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 2810022040, 4280000670, 4280000680, 4280001760, 4280003370, 4280003371, 4280003372, 4280004550 | **Toyota** 281000D090, 2810075190

99.1814.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**80.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1900 BLS BKC BXE, 2003~2009), A3 (Convertible 8P7 BLS 1.9 TDI 77kw BLS, 2008~2009) | **Seat** Altea (1896ccm BJB 1.9 TDI, 2004~2015), Altea (1896ccm BKC 1.9 TDI, 2004~2015), Altea (5P1 BJB BKC BLS BXE 1.9 TDI 77kw BJB BKC BLS BXE, 2004), Altea (5P1 BXF 1.9 TDI 66kw BXF, 2009), Altea (5P5-5P8 1.9 TDI 4x4 77kw, 2009~2010), Altea (5P5-5P8 BKC BLS BXE 1.9 TDI 77kw BKC BLS BXE, 2006), Altea (5P5-5P8 BXF 1.9 TDI 66kw BXF, 2009), Altea (XL 1896ccm BLS 1.9 TDI, 2006~2015), Altea (XL 1896ccm BXE 1.9 TDI, 2006~2015), Altea (XL 1968ccm BKD 2.0 TDI, 2006~2010), Altea (XL 1968ccm BMM 2.0 TDI, 2006~2010) | **Volkswagen** California (1896ccm AXB 1.9 TDI, 2003~2009), California (1896ccm AXC 1.9 TDI, 2003~2009), California (1896ccm BRR 1.9 TDI, 2006~2009), California (1896ccm BRS 1.9 TDI, 2006~2009), Transporter (1900, 2003~2008)

OEM *ORIGINAL*

Bosch 1006209621, 1006209648, 1006209786, 1006209880, 1006209962 | **Cargo** 239967

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001123012, 0001123013, 0001123018, 0001123019, 0001124001, 0001124002, 0001124005, 0001124006, 0001125001, 0001125007, 0001125008, 0001125011, 0001125012, 0001125013 | **Magneti Marelli** 063521230120, 944280203000 | **Magneton** 915109A

99.1815.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**36.30**
IG Ø Interno do Dente	**24.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**53.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Iveco Daily (2008)

OEM *ORIGINAL*

Bosch F000AL2813

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0143 | **Iveco** 5801405959

99.1816.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**13.91**
G Ø Externo do Dente	**33.80**
IG Ø Interno do Dente	**23.60**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**42.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Etios (Diesel)

OEM *ORIGINAL*

Nippondenso 280210N080

99.1819.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**20.10**
IS Ø Interno da Estria	**17.20**
L Comprimento	**98.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dongfeng Caminhões / Trucks / Camiones

OEM *ORIGINAL*

Dongfeng 3708NDH12

99.1820.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.12**
G Ø Externo do Dente	**26.80**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.80**
L Comprimento	**46.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Focus I (1400 Zetec S, 1998~2005), Focus I (1600 Zetec S, 1998~2005)

OEM *ORIGINAL*

Ika 451211 | **Stemot** 20007 | **Visnova** 596056

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 98AB11000BB, 98AB11000BC, 98AB11000BD, 98AB11000CB, 98AB11000CC, 98AB11000CD, YS4U11000AA, YS4U11000AB, YS4U11000BA

99.1822.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.38**
G Ø Externo do Dente	**29.30**
IG Ø Interno do Dente	**20.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo, C2, C3, C4, C5, DS3, Xsara | **Peugeot** 206, 207, 208, 304, 407 | **Renault** 19, Clio, Espace, Kangoo, Laguna, Megane, Rapid Box, Scenic, Thalia, Trafic Box

OEM *ORIGINAL*

Cargo 234086 | **Valeo** 188595, 191448, 594382, 594554

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA101, D6RA104, D6RA105, D6RA110, D6RA115

99.1823.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.9 TDI), A3 (2.0 TDI), A3 (3.2 V6 quattro) | **Seat** Altea (1.9 TDI), Altea (2.0 TDI) | **Volkswagen** Caddy III (2.0 SDI), Golf IV (1.9 TDI), Golf IV (2.0 TDI), Golf IV (3.2 R32 4motion), Golf V Touran (1.9 TDI), Golf V Touran (2.0 TDI), Multivan (3.2 V6 4motion), Transporter (1.9 TDI)

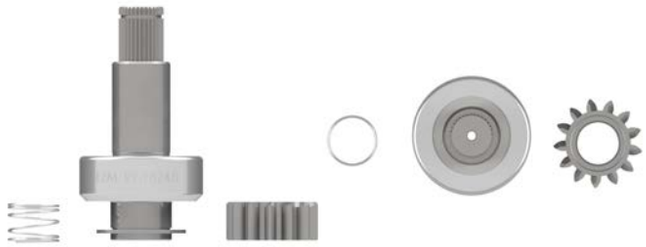
OEM *ORIGINAL*

Bosch 1006209785, 1006209961

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001123014, 0001123015, 0001123016, 0001123017, 0001123020, 0001123021

99.1824.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**33/13**
2T Dois Dentes	**10.64**
G Ø Externo do Dente	**16.95/34.65**
IG Ø Interno do Dente	**15.60/25.45**
ID Ø da Bucha	**10.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**14.60**
L Comprimento	**87.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A1 (1.6 TDI Start / Stop), A3 (1.6 TDI Start / Stop) | **Skoda** Fabia (1.2 TDI Start / Stop), Fabia (1.6 TDI Start / Stop), Roomster (1.2 TDI Start / Stop), Roomster (1.6 TDI Start / Stop), Superb (1.6 TDI Start / Stop) | **Volkswagen** Caddy III (1.6 TDI Start / Stop), Crafter (2.0 TDI Start / Stop), Golf VI (1.6 TDI Start / Stop), Passat (1.6 TDI Start / Stop), Passat (2.0 TDI Start / Stop), Polo (1.2 TDI Start / Stop), Polo (1.6 TDI Start / Stop), Touran (1.6 TDI Start / Stop)

OEM *ORIGINAL*

Valeo 198159

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo ESW20ER121

99.1825.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.38**
G Ø Externo do Dente	**27.60**
IG Ø Interno do Dente	**17.00**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**41.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Ka (2014→), Ka+

OEM *ORIGINAL*

Valeo 1204813, 501495

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford E3B511000AA | **Valeo** TSC10B1

99.1826.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13/22**
2T Dois Dentes	**10.67**
G Ø Externo do Dente	**18.75/34.65**
IG Ø Interno do Dente	**17.15/25.45**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**96.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A1 (1.2 TFSI), A1 (1.4 TFSI Start / Stop), A1 (1.6 TDI), A1 (2.0 TDI Start / Stop), A3 (1.2 TFSI), A3 (1.4 TFSI Start / Stop), A3 (1.6 TDI), A3 (2.0 TDI Start / Stop) | **Seat** Altea XL (1.2 TSI), Altea XL (1.4 TSI Start / Stop), Altea XL (1.6 TDI), Altea XL (2.0 TDI Start / Stop), Ibiza V (1.2 TDI), Ibiza V (1.2 TSI), Ibiza V (1.4 TSI Start / Stop), Ibiza V (1.6 TDI Start / Stop), Leon (1.4 TSI Start / Stop), Leon (1.6 TDI), Leon (2.0 TDI Start / Stop), Toledo IV (1.2 TSI Start / Stop), Toledo IV (1.6 TDI Start / Stop) | **Skoda** Fabia (1.2 12v), Fabia (1.2 TDI), Fabia (1.6 TDI Start / Stop), Fabia (TSI Start / Stop), Octavia (1.2 TSI Start / Stop), Octavia (1.6 TDI), Octavia (2.0 TDI), Octavia (4x4), Octavia (4x4 Start / Stop), Rapid (1.2 TSI Start / Stop), Rapid (1.6 TDI Start / Stop), Roomster (1.2 TDI), Roomster (1.2 TSI Start / Stop), Roomster (1.6 TDI Start / Stop), Superb (1.6 TDI Start / Stop), Yeti (1.4 TSI Start / Stop), Yeti (1.6 TDI Start / Stop) | **Volkswagen** Caddy III (1.6 TDI Start / Stop), CC (1.8 TSI Start / Stop), EOS (1.4 TSI Start / Stop), Golf IV (1.2 TFSI Start / Stop), Golf VI (1.2 TFSI), Golf VI (1.4 TSI Start / Stop), Golf VI (1.6 TDI), Golf VI (4motion Start / Stop), Jetta IV (1.2 TSI), Jetta IV (1.6 TDI Start / Stop), Multivan V (2.0 TDI Start / Stop), Passat (1.4 TSI), Passat (1.6 TDI), Passat (1.8 TSI), Passat (2.0 TDI Start / Stop), Passat (Alltrack Start / Stop), Polo (1.2), Polo (1.2 TDI), Polo (1.4 TDI), Polo (1.4 TSI Start / Stop), Polo (1.6 TDI Start / Stop), Polo (TSI), Polo (TSI Start / Stop), Scirocco (1.4 TSI Start / Stop), Touran (1.6 TDI Start / Stop), Transporter V (2.0 TDI Start / Stop)

OEM *ORIGINAL*

Bosch 1006210172, 1006210905

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001142001, 0001142003, 0001142005, 0001153001, 0001153007, 0001153009, 0001153015, 0399703052

99.1827.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11/35**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**16.30/40.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**58.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**22.20**
IS Ø Interno da Estria	**-**
L Comprimento	**146.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9301.0 / Uses 99.9301.0 BZM Pinion / Utiliza Piñion BZM 99.9301.0 | **Daihatsu** Light Trucks (2.5L DSL, 1979~1993), Light Trucks (2.8L DSL-6T, 6.9T, 1979~1993) | **Fahr** 742 (9D-130, 1980) | **General Motors/Chevrolet** 7000 (FWD, Control 6 cil / cyl, 1985~1992), 8500 (FWD, Control 6 cil / cyl, 1985~1992) | **Hino** IW (1986~1994), W04D (1983~1992)

OEM *ORIGINAL*

Daihatsu 2801154010 **| Denso** 0253001730, 0283001730, 0283002011, 0283002012, 0283002070, 0283003950, 0283003952, 0283004170, 0283004550, 0283004551, 0283005090, 0283005091, 0283005530 **| Isuzu** 5811240040 **| Kubota** 1418263041 **| Toyota** 2801154010, 2801177090 **| Unipoint** SD5070, SD5072

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Daihatsu 2810047050, 2810047051, 2810087314, 281008731A, 2810087601 **| Hino** 281001561A, 281001562A, 281001562B, 281001930A, 281001931A, 281001960A, 281001961, 281001961A, 281001961B **| Isuzu** 1811001410, 5811240040 **| Kubota** 1418263011, 1418263012, 1418263041 **| Nippondenso** 1280000380, 1280000381, 1280000382, 1280000383, 1280000490, 1280000520, 1280000530, 1280000531, 1280000532, 1280000972, 1280000973, 1280001000, 1280001001, 1280001010, 1280001011, 1280001561, 1280001570, 1280001571, 1280001572, 1280001573, 1280001574, 1280001580, 1280001581, 1280001582, 1280001583, 1280001584, 1280001585, 1280001790, 1280002450, 1280002470, 1280002740, 1280003080, 1280003082, 1280003512, 1280003513, 1280003514, 1280004100, 1280004101, 1280004111, 1280004112, 1280004250, 1280005090, 1280005091, 1280005300, 1280005380, 1280005381, 1280005382, 1280006170, 1280006171, 1280006172, 1280006173, 1280006180, 1280006181, 1280006182, 1280006183, 1280006184, 1280006330, 1280006810, 1280006811, 1280006812, 1280006822, 1280006823, 1280006830, 1280006831, 1280006832, 1280006833, 1280006910, 1280006911, 1280006920, 1280006921, 1280007280, 1280007281, 1280007282, 1280007283, 1280007290, 1280007291, 1280007292, 1280007293, 1280007294, 1280007360, 1280007361, 1280007362, 1280007363, 1280007600, 1280007601, 1280007602, 1280007603, 1280007604, 1280007750, 1280007920, 1280007921, 1280007922, 1280007923, 1280007932, 1280007933, 1280008061, 1280008063, 1280008064, 1280009580, 1280009581, 1280009582, 2280000270, 2280000281, 2280000282, 2280000291, 2280000292, 2280000350, 2280000351, 2280000570, 2280000571, 2280000572, 2280000573, 2280000574, 2280000575, 2280001440, 2280001590, 2280001591, 2280001661, 2280001671, 2280001790, 2280001791, 2280002110, 2280002111, 2280002470, 2280002660, 2280002800, 2280003070, 2280003080, 2280003090, 2280003100, 2280003230, 2280003710, 2280003720, 2280004240, 2280005811, 2280005830, 2280006530, 2280006572, 2280007870, 2280008470, 2280009020, 2280009050, 2280009760, 280000972, 280004800, 280005300, 280005301, 280005490, 280005510, 280005511, 280005520, 280005530, 280005531, 280005532, 280005541, 280005542, 280005543, 280005550, 280005551, 280005552, 280005553, 280005560, 280005561, 280005570, 280005571, 280005580, 280005581, 280005593, 280005620, 280005651, 280005652, 280005690, 280005691, 280005692, 280005693, 280005832, 280005833, 280005834, 280005835, 280005850, 280005860, 280005861, 280005862, 280005863, 280005864, 280005870, 280005871, 280005890, 280005891, 280006010, 280006012, 280006013, 280006021, 280006022, 280006200, 280006201, 280006290, 280006291, 280006292, 280006340, 280006341, 280006461, 280006560, 280006561, 280006590, 280006591, 280006640, 280006870, 280006871, 280006872, 280006880, 280006881, 280006882, 280006890, 280006891, 280006892, 280006893, 280006900, 280006901, 280006910, 280006911, 280006912, 280006950, 280006951, 280007140, 280007240, 280007241, 280007242, 280007400, 280007451, 280007452, 280007810, 280007811, 280008070, 280008071, 280008072, 280008400, 280008490, 280008491, 280008500, 280008501, 280008561, 280008562, 280008840, 280008841, 280008842, 280009331, 280009332, 280009333, 280009770, 281001442, 281001562A, 283004551, 283005090 **| Toyota** 2801154010, 2801177090, 2810022060, 2810022061, 281002206171F, 2810031625, 2810032080, 2810040290, 2810040291, 2810040510, 2810042800, 2810046030, 2810046040, 2810047030, 2810047060, 2810047090, 2810047090C, 2810047091, 2810048011, 2810054010, 2810054023, 2810054032, 2810054042, 2810054052, 2810054061, 2810054090, 2810054120, 2810054130, 2810054140, 2810054160, 2810054190, 2810054210, 2810054220, 2810054250, 2810054300, 2810054320, 2810054370, 2810054390, 2810054430, 2810054470, 2810056030, 2810056060, 2810056070, 2810056071, 2810056100, 2810056101, 2810056110, 2810056111, 2810056120, 2810056131, 2810056132, 2810056140, 2810056150, 2810056151, 2810056161, 2810056171, 2810056180, 2810056181, 2810056220, 2810056221, 2810056222, 2810056240, 2810056241, 2810056242, 2810056260, 2810056270, 2810056281, 2810056290, 2810056320, 2810056330, 2810056340, 2810064010, 2810064070, 2810064080, 2810064090, 2810064100, 2810077090, 2810078502, 2810087601, 2810096502, 2830023040, 2830023041, 2830031960 **| Volvo** 1676822, 420760, 8192262

99.1828.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**35**
2T Dois Dentes	
G Ø Externo do Dente	**55.40**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	**58.20**
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**91.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Allis-Chalmers Trator / Tractor **|** **Case** Máquina / Machine **|** **Cummins** Motor **|** **Deutz** Trator / Tractor

OEM *ORIGINAL*

Cargo 138681 **|** **John Deere** CH12485 **|** **Nippondenso** 0283001971, 0283005380, 0283005381, 0283005390, 0283005391, 1280995060 **|** **Unipoint** SD5170

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280004800, 0280005300, 0280005301, 0280005510, 0280005511, 0280005530, 0280005531, 0280005532, 0280005541, 0280005543, 0280005550, 0280005551, 0280005552, 0280005553, 0280005560, 0280005561, 0280005570, 0280005571, 0280005620, 0280005660, 0280005661, 0280005690, 0280005691, 0280005692, 0280005693, 0280005832, 0280005833, 0280005834, 0280005835, 0280005840, 0280005841, 0280005850, 0280005860, 0280005862, 0280005863, 0280005871, 0280005890, 0280005891, 0280006060, 0280006061, 0280006062, 0280006200, 0280006201, 0280006290, 0280006291, 0280006340, 0280006341, 0280006460, 0280006461, 0280006462, 0280006463, 0280006590, 0280006591, 0280006780, 0280006870, 0280006871, 0280006872, 0280006880, 0280006881, 0280006882, 0280006891, 0280006892, 0280006893, 0280006900, 0280006901, 0280006902, 0280006910, 0280006911, 0280006912, 0280006950, 0280006951, 0280007140, 0280007241, 0280007242, 0280007400, 0280007540, 0280007542, 0280007731, 0280007732, 0280007800, 0280007801, 0280007802, 0280007810, 0280007811, 0280008070, 0280008071, 0280008072, 0280008490, 0280008491, 0280008500, 0280008501, 0280008840, 0280008841, 0280008842, 0280009331, 0280009332, 0280009333, 1280000292, 1280000380, 1280000381, 1280000382, 1280000383, 1280000520, 1280000530, 1280000531, 1280000532, 1280000972, 1280000973, 1280001000, 1280001001, 1280001060, 1280001561, 1280001570, 1280001571, 1280001572, 1280001573, 1280001574, 1280001580, 1280001581, 1280001582, 1280001583, 1280001584, 1280001585, 1280001790, 1280002930, 1280002931, 1280002932, 1280002933, 1280003080, 1280003081, 1280003082, 1280003512, 1280003513, 1280003514, 1280004100, 1280004101, 1280005091, 1280005380, 1280005381, 1280005382, 1280006170, 1280006171, 1280006172, 1280006173, 1280006180, 1280006181, 1280006182, 1280006183, 1280006184, 1280006810, 1280006811, 1280006812, 1280006822, 1280006823, 1280006830, 1280006831, 1280006832, 1280006833, 1280006860, 1280006861, 1280007280, 1280007281, 1280007282, 1280007283, 1280007290, 1280007291, 1280007292, 1280007293, 1280007294, 1280007360, 1280007361, 1280007362, 1280007363, 1280007920, 1280007921, 1280007922, 1280007923, 1280007932, 1280007933, 1280008290, 1280008620, 1280008621, 1280009580, 1280009581, 1280009582, 1280009970, 1280009971, 2280000270, 2280000271, 2280000281, 2280000282, 2280000291, 2280000292, 2280000350, 2280000351, 2280000570, 2280000571, 2280001590, 2280001591, 2280001600, 2280001601, 2280001610, 2280001611, 2280001661, 2280001671, 2280001790, 2280001791, 2280001830, 2280002030, 2280002031, 2280002110, 2280002111, 2280002290, 2280002660, 2280003070, 2280003080, 2280003090, 2280003100, 2280003230, 2280003710, 2280003810, 2280004680, 2280005641, 2280005830, 2280005980, 2280005990, 2280006380, 2280006470, 2280006471, 2280007550, 2280009020, 4280001190, 4280001850, 4280001860, 4280002370

99.1829.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**29.50**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**146.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Utiliza Pinhão BZM 99.9302.0 / Uses 99.9302.0 BZM Pinion / Utiliza Piñion BZM 99.9302.0 | **Case** 1835B, 1845, 1845B, 207D, 450B, 480C

OEM *ORIGINAL*

Denso 0283002040, 0283005650, 0283005651, 0283005670, 0283007802 | **Unipoint** SD5071

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280002740, 1280003120, 1280004220, 1280004910, 2280002290, 2280002670, 2280003310, 2280003320, 2280003810, 2280007300, 280005880, 4280000190, 4280001190, 4280001850, 4280001860

99.1830.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	
G Ø Externo do Dente	**44.90**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**146.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Coaster, HDB50, HDB51, HZB40, Land Cruiser (4.2 D-HZJ80, 1990~1995), Land Cruiser (4.2 TD-HDJ80, 1990~1995)

OEM *ORIGINAL*

Denso 0534004731, 1280995160 | **Toyota** 2801117020 | **Unipoint** SD5074

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280008620, 1280008621, 2280001600, 2280001601, 2280001610, 2280001611, 2280002030, 2280002031, 2280005980, 2280005981, 2280005990, 280006460, 280006462, 280006463 | **Toyota** 2810017080

99.1831.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**146.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat 853, 853C, 853H, 853HC **|** **BZM** Utiliza Pinhão BZM 99.9402.0 / Uses 99.9402.0 BZM Pinion / Utiliza Piñion BZM 99.9402.0 **|** **Case** 7120 **|** **Caterpillar** 3114

OEM *ORIGINAL*

Cargo 233451, 333753 **|** **Nippondenso** 0283003690, 0283003691, 0283005450, 0283006690, 0283006691, 0283006692 **|** **Unipoint** SD5080

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280006780, 0280993570, 1280001060, 1280002560, 1280005370, 1280005730, 1280005731, 1280005732, 1280008290, 2280000271, 2280000630, 2280001350, 2280001420, 2280001830, 2280002200, 2280003700, 2280005311, 2280005460, 2280005641, 2280007380, 2280007500, 2280007550, 4280001660

99.1837.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**17/10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**14.10/40.00**
IG Ø Interno do Dente	**12.60/27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**165.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 3216 (7.2 F650), Blue Diamond USA **|** **Ford** Trator / Tractor **|** **John Deere** Colheitadeira / Combine / Cosechadora, Trator / Tractor 6600, Trator / Tractor 6605, Trator / Tractor 7505 **|** **New Holland** Trator / Tractor 660

OEM *ORIGINAL*

Prestolite K01555

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35260900, 35260910, 35261345

99.1838.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.43**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.33**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**45.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Primastar, Qashqai, X-Trail (2.0 DCI) | **Opel** Movano (2.3 CDTI), Vivaro (2.0 CDTI) | **Renault** Espace, Koleos, Laguna II (2.0 DCI), Laguna III (2.0 DCI), Master III (2.0 DCI), Megane, Scenic II, Scenic III, Trafic II (2.0 DCI), Vel Satis (2.0 DCI)

OEM *ORIGINAL*

Cargo 330104 | **Ika** 450881 | **Krauf** SDV0104 | **Nissan** 23354JG70A | **Stemot** 05059 | **Valeo** 193013, 195353, 200294, 594717, 594747

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M1T80681 | **Nissan** 2330000Q0D, 233003400A9, 23300JG70A | **Renault** 233002654R, 233003400A9, 8200568535, 8201036311 | **Valeo** TS2232, TS22E5, TS22E5B, TS22E8, TS22E9

99.1839.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**51.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Carisma (1.6), Carisma (1.8) | **Nissan** Bluebird (1.8), Prairie (2.0)

OEM *ORIGINAL*

Cargo 138113 | **Hyundai** 3614523150 | **Mitsubishi** MD620980 | **Valeo** 187077, 594247, NE879

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA76, D6RA77, D6RA78, D6RA79

99.1840.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**36.30**
IG Ø Interno do Dente	**24.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**61.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper (2.8 HDI 4x4) | **Fiat** Ducato (2.3 JTD Multijet), Ducato (2.8 JTD Multijet), Ducato (2.8 JTD Power 4x4), Ducato (3.0) | **Iveco** Daily II 29 (2.3), Daily II 29 (2.8), Daily II 29 (3.0 D), Daily II 35 (2.3), Daily II 35 (2.8), Daily II 35 (3.0 D), Daily II 40 (2.3), Daily II 40 (2.8), Daily II 40 (3.0 D), Daily II 45 (2.3), Daily II 45 (2.8), Daily II 45 (3.0 D), Daily II 50 (2.3), Daily II 50 (2.8), Daily II 50 (3.0 D), Daily II 60 (2.3), Daily II 60 (2.8), Daily II 60 (3.0 D), Daily II 65 (2.3), Daily II 65 (2.8), Daily II 65 (3.0 D), Daily III 29 (2.3), Daily III 29 (3.0 D), Daily III 35 (2.3), Daily III 35 (3.0 D), Daily III 40 (2.3), Daily III 40 (3.0 D), Daily III 45 (2.3), Daily III 45 (3.0 D), Daily III 50 (2.3), Daily III 50 (3.0 D), Daily III 60 (2.3), Daily III 60 (3.0 D), Daily III 65 (2.3), Daily III 65 (3.0 D) | **Peugeot** Boxer (2.8 HDI 4x4)

OEM *ORIGINAL*

Cargo 330382 | **Delco Remy** 10510651

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000032, 8000567 | **Fiat** 134705880 | **Iveco** 55195967

99.1841.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**21.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**42.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Pontiac Vibe (1.8L) | **Toyota** Corolla (1.8L), Fortuner, Hilux, Matrix (1.8L, 2003~2008)

OEM *ORIGINAL*

Cargo 333836 | **Krauf** SDN6247 | **Nippondenso** 0283009541 | **Toyota** 2802121060, 281000D080 | **WAI** 548247

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 88969483 | **Nippondenso** 0286005360, 4280000340, 4280000341, 4280001311 | **Toyota** 2802121060, 281000D080, 281000D08084, 2810022090

99.1845.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F250, F350, F4000

OEM *ORIGINAL*

Bosch F000AL2955

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0159 **| Ford** EC3511001BA

99.1847.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**39.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Tucson **| Kia** New Pride, Rio

OEM *ORIGINAL*

Valeo 3610026710

99.1848.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**55.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Sail

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 9025295 | **Valeo** TS14E15

99.1849.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**19.80**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**14.20**
IS Ø Interno da Estria	**11.90**
L Comprimento	**111.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura CSX (L4 2.0L 1998cc 122cid, 2006~2008), TSX (L4 2.4L 2354cc, 2004~2005) | **Honda** Accord (L4 2.4L 2354cc, 2003~2005), Accord (L4 2.4L 2354cc 144cid, 2004~2005), Civic (L4 2.0L 1998cc 122cid, 2006~2011), Element (L4 2.4L 2354cc, 2003~2006), Element (L4 2.4L 2354cc, 2007~2008), Odyssey (2.3L NonTurbo Gasolina / Gasoline-F23Z4, 2002), Odyssey (2.4L NonTurbo Gasolina / Gasoline-K24A6, 2005~2006)

OEM *ORIGINAL*

Mitsuba 5485502, SH07118

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 31200RAA43, 31200RAAA51, 31200RAAA51RM, 31200RAAA52, 31200RNAA50, 31200RNAA51 | **Lester** 17870, 17958, 17960 | **Mitsuba** M61209, SM61209, SM71001, SM71002

99.1853.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.50**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**138.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Fuso

OEM *ORIGINAL*

Cargo 233845 | **Mitsubishi** M357T73571, M357X73571, ME700042

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M003T56071, M003T56072, M003T56074, M003T56082, M003T56084, M3T56071, M3T56072, M3T56074, M3T56082, M3T56084

99.1854.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**16.30**
L Comprimento	**89.50**

OEM *ORIGINAL*

Lucas TVS 26247643

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas TVS 8M14

99.1855.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mahindra Bolero (2.5), CL 500 (2.5), Commander (2.5), DI 32000 (2.5), Major (2.5), Marshal (2.5), Maxx (2.5), Savari (2.5), Tourister (2.5)

OEM *ORIGINAL*

Bosch F002G20349

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F002G20348, F002G20582, F002G20932

99.1856.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.10**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**90.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.9 TDI), A3 (2.0 TDI), A3 (3.2 V6 Quattro), TT (1.8T), TT (3.2 V6 Quattro) **| Seat** Altea (2.0 TDI), Altea (4x4), Altea (XL 1.9 TDI), Leon (1.9 TDI), Leon (16v), Leon (2.0 TDI), Toledo III (1.9 TDI), Toledo III (16v), Toledo III (2.0 TDI) **| Skoda** Octavia (2.0 TDI 16v), Octavia (RS), Superb (16v), Superb (2.0 TDI), Superb (4x4) **| Volkswagen** Caddy III (1.9 TDI), EOS (2.0 TDI 16v), EOS (2.0 TFSI), EOS (3.2 V6), Golf IV (3.2 R32 4motion), Golf V (1.9 TDI), Golf V (16v), Golf V (2.0 TDI), Golf V (3.2 R32 4motion), Golf V (4motion), Golf VI (1.9 TDI), Golf VI (16v), Golf VI (2.0 TDI), Golf VI (4motion), Jetta III (1.4 TSI), Jetta III (1.9 TDI), Jetta III (16v), Jetta III (2.0 TDI), New Beetle (1.9 TDI), Passat (3.2 FSI), Passat (3.6 R36 4motion), Passat CC (1.9 TDI), Passat CC (16v), Passat CC (2.0 TDI), Passat CC (4motion), Scirocco (2.0 TDI), Touran (1.9 TDI), Touran (16v), Touran (2.0 TDI)

OEM *ORIGINAL*

Bosch 1006209847, 1006210217 **| Cargo** 335311 **| Stemot** 11847 **| Volkswagen** 02M911335L

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001123036, 0001123038, 0001123039, 0001123044 **| Volkswagen** 02M911024

99.1857.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	**22.90**
ID Ø da Bucha	**12.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**50.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Avensis

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 4280000720 | **Toyota** 281000G020

99.1858.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**100.00**

Número de dentes coroa= 41/Number of crown teeth= 41/Números de dientes de la corona= 41

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu NKR, NPR

OEM *ORIGINAL*

Cargo 139841 | **Hitachi** 22402500, 22408500, 22409500

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S2403A, S2403B, S2403C, S2413, S25120, S25120A, S25161 | **Isuzu** 8942549221, 8943334380 | **Yanmar** 11913177010

99.1860.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	
CW-CCW Sentido	**CCW**
D Ø da Capa	**53.20**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Yanmar Marine D27, Marine KL

OEM *ORIGINAL*

Cargo 235501 | **Hitachi** 213065006 | **Yanmar** X2130650060

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114451A, S114477, S114851, S114851A, S13125

99.1861.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.10**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	**53.20**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**94.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu Campo (2.5 Diesel), Industrial, Marinha / Marine / Marina, Trooper (2.8 Diesel) | **Opel** Campo (3.1 Turbo Diesel), Frontera (A 2.8 Turbo Diesel), Monterey (A 3.1 Turbo Diesel)

OEM *ORIGINAL*

Cargo 137277 | **Hitachi** 213025005, 21401500, 214015003 | **Isuzu** 8944355630, 8970475470

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi 8944104090, 8944179250, 8944339120, 8944604170, S13111, S13112, S13113, S13114, S1403

99.1862.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**95.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Cabstar (2.3 Diesel F22), Cabstar (2.5 Diesel F22), King Van (2.3 Diesel E24), King Van (2.5 Diesel E24), Motor TD 27, Navara (2.5 Diesel), Terrano (2.7 Diesel), Terrano (2.7 TDI 4WD), Urban (2.3 D), Urban (2.5 D)

OEM *ORIGINAL*

Cargo 135718 | **Hitachi** 213015005, 213015505, 213095007 | **Nissan** 2331243G00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S13106, S13106B, S13126 | **Nissan** 2330010T01, 2330010T02, 233001W400, 2330045N50, 2330045N51, 233006K200, 233006T000, 233006T001, 233007F400, 2330080G00, 2330080G01, 23300Q2403, 23300Q2404, 23300Q2405, 23300Q2406

99.1863.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	**53.80**
IS Ø Interno da Estria	
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Legend (3.2 C32A2), SLX (3.2 6VDI), SLX (3.5 6VE1) | **BZM** Utiliza Pinhão BZM 99.10049.0 / Uses 99.10049.0 BZM Pinion / Utiliza Piñion BZM 99.10049.0 | **Isuzu** Trooper (3.2 LS), Trooper (3.5), Trooper (LTD), Trooper (RS), Vehicross (3.5)

OEM *ORIGINAL*

Nippon 0283007610, 0283007680, 0283007860, 0283008100

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippon 1280009700, 1280009701, 2280000810, 2280002050, 2280002051, 2280002260, 2280002261, 2280003990, 2280003991, 2280003992, 2280006420, 2280006421, 2280007200, 2280007201

99.1864.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**110.50**

Número de dentes coroa= 40/Number of crown teeth= 40/Números de dientes de la corona= 40

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Integra (1.8)

OEM *ORIGINAL*

Nippon 0283007670

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippon 2280000220

99.1865.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	
CW-CCW Sentido	**CCW**
D Ø da Capa	**64.40**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**13.90**
L Comprimento	**104.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu NKR66 | **Nissan** Cabstar, YGF

OEM *ORIGINAL*

Cargo 333973 | **Hitachi** 22408501 | **Isuzu** 8970256720, 8971797700 | **Nissan** 233120T010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S25168A, S25501, S25515A | **Isuzu** 8971617930

99.1866.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	
G Ø Externo do Dente	**46.30**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CCW**
D Ø da Capa	**58.40**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**118.00**

OEM *ORIGINAL*

Bosch 2006202002 | **Cargo** 132732 | **Delco Remy** 1932604 | **Dixie** 54014011 | **Krauf** SDB2732 | **Visnova** 816020 | **Woodauto** SDV32304

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001421005, 0001421014, 0001421015 | **Delco Remy** 1109179, 1113338

99.1871.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport, Edge, Fiesta, Focus (2010→), Fusion, Taurus

OEM *ORIGINAL*

Arrowhead SFD5027

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 6S4T11000AA, 6S4Z11V002AARM, 8S4711000AA, BB5T11000AA, DU2Z11V002BRM, DU2Z11V002DRM, DU2Z11V002FARM | **Motorcraft** SA1057RM, SA934, SA999RM

99.1872.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.05**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**47.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Bongo

OEM *ORIGINAL*

Valeo 3F25B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 361004A200

99.1873.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**60.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet N107, N108, N109, N200, N300, N300P

OEM *ORIGINAL*

General Motors/Chevrolet 24538276

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6GC211

99.1874.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**13.25**
G Ø Externo do Dente	**38.80**
IG Ø Interno do Dente	**28.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**56.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper | **Ford** Transit | **Land Rover** Defender | **Peugeot** Boxer

OEM *ORIGINAL*

Bosch 1006209824, 1006210128, 1006210146, 1006210205, 1006210206 | **Cargo** 330265, 333740 | **ERA** 226177 | **Krauf** SDB0206 | **Stemot** 31205 | **WAI** 5491191

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001115088, 0001115089, 0001115092, 0001115093 | **Ford** AC1T11000AA, CC1T11000AB, CC1T11000BA, CC1T11000BB

99.1875.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**20.10**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**13.15**
IS Ø Interno da Estria	**11.50**
L Comprimento	**85.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Corolla (2.0, 2015)

OEM *ORIGINAL*

Bosch 1006212003, F000C61002 | **Toyota** 280110T310

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000C60299, F000C60300

99.1876.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.40**
G Ø Externo do Dente	**34.50**
IG Ø Interno do Dente	**24.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**36.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 3 (L4 2.5L, 2014~2016), 6 (L4 2.5L, 2014~2016), CX-5 (L4 2.5L, 2014~2016) | **Nissan** Altima (V6 3.5L, 2004~2007), Maxima (V6 3.5L, 2004~2006), Quest (V6 3.5L, 2004~2009)

OEM *ORIGINAL*

Lester 11713, 17872, 19195, 19981 | **Mitsubishi** 40571, 6Z12

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda PE0118400, PE0718400, PY0118400 | **Mitsubishi** M000T20771, M000T20771ZC, M000T20777ZC, M000T34171, M000T39671 | **Nissan** 233008Y000, 233008Y00A

99.1877.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**27.70**
IG Ø Interno do Dente	**18.90**
ID Ø da Bucha	**10.95**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.80**
IS Ø Interno da Estria	**13.90**
L Comprimento	**89.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chrysler 200 (V6 3.6L 3605cc 220cid VIN G, 2012), Town & Country (V6 3.6L 3604cc 220cid, 2011~2016), Town & Country (V6 3.6L 3605cc 220cid, 2011~2013) | **Dodge** Avenger (V6 3.6L, 2011~2014), Grand Caravan (V6 3.6L, 2011~2018), Journey (V6 3.6L, 2011~2018) | **Fiat** Doblò (1.3, 2002~2009), Doblò (1.4, 2010→), Fiorino (2004~2013), Fiorino (CMBBZ, 2011→), Idea (1.4, 2006→), Idea (1.6, 2011~2013), Idea (1.8, 2007~2010), Mobi (1.0, 2017→), Palio (1.0 16v, 2001~2003), Palio (1.0 8v, 2001~2007), Palio (1.3 16v, 2003~2007), Palio (1.3 8v, 2003), Palio Weekend (1.0, 2001~2003), Palio Weekend (1.3, 2003~2005), Palio Weekend (1.4, 2006~2012), Palio Weekend (1.6, 2005), Palio Weekend (1.7 Turbo, 2006~2008), Palio Weekend (1.8, 2004~2008), Punto (1.4, 2006~2013), Siena (1.0, 2001~2012), Siena (1.3, 2001~2008), Siena (1.4, 2008~2015), Siena (1.6, 2011~2012), Siena (1.6, 2016~2017), Siena (1.8, 2005~2012), Strada (1.3, 2003→), Strada (1.4, 2009→), Strada (1.5, 2002~2005), Strada (1.6, 2002), Strada (1.7 Turbo, 2004~2008), Strada (1.8, 2003~2008), Uno (1.0, 2012→), Uno (1.4, 2012→), Uno Furgoneta (1.0, 2014~2015), Uno Furgoneta (1.4, 2014→) | **JEEP** Cherokee (V6 3.2L 3239cc 198cid, 2014), Renegade | **RAM** C / V (V6 3.6L, 2012~2015), ProMaster (1500 V6 3.6L, 2014~2018), ProMaster (2500 V6 3.6L, 2014~2018), ProMaster (3500 V6 3.6L, 2014~2018) | **Volkswagen** Routan (V6 3.6L 3604cc 220cid VIN G, 2011~2014), Routan (V6 3.6L 3605cc 220cid VIN G, 2011~2012)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chrysler 04801839AB, 4801839AC, RL801839AB | **Fiat** 51911199, 51911200 | **Lester** 19616 | **Nippondenso** 4280007200, 4280009391, 4280009500, BC4280009391, BC4280009500 | **Volkswagen** 7B0911023C, 7B0911023CXRMN

99.1878.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**15.57**
G Ø Externo do Dente	**43.50**
IG Ø Interno do Dente	**30.30**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere RE526375, RE527400

OEM *ORIGINAL*

Bosch 2006209550 | **Cargo** 333344, 335546 | **Stemot** 12550

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001260001

99.1879.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.50**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**12.60**
IS Ø Interno da Estria	**10.90**
L Comprimento	**85.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Fiorino (CMBGA, 2011→), Idea (1.4 MPI Fire, 201→), Idea (1.6 E-Torq 16v, 2011~2013), Nova Strada (1.4 Flex 8v, 2017→), Strada (1.4, 2013~2020), Uno (1.0 MPI Fire 8v, 2015→), Uno (1.3, 2016), Uno (1.4 MPI Fire 8v, 2015→)

OEM *ORIGINAL*

Bosch 1006212003, 1006485017

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000C60001, F000C60004 | **Fiat** 51997820 | **Honda** 31200RAAA53

99.1880.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.39**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.20**
IS Ø Interno da Estria	**15.30**
L Comprimento	**64.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cub Cadet KH 2509809S | **John Deere** AM132702, MIA11257, MIA11473 | **Kawasaki** 211637021 | **Kohler** 2509808, 2509808S, 2509809, 2509809S, 2509811, 2509811S | **Kubota** E719463010, E719463012

OEM *ORIGINAL*

Delco Remy 113218

99.1881.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.53**
G Ø Externo do Dente	**37.20**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Igual ao BZM 99.4976.0/Same as 99.4976.0 BZM/Igual que BZM 99.4976.0
Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Liugong Pá Carregadeira / Wheel Loader / Pala Cargadora 835 (Maxxor XCMG ZL30H SLDG 938)

OEM *ORIGINAL*

Prestolite M93R3001SE

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Cummins 4948058, C4948058 | **Deutz** 13028386 | **Prestolite** M93R3001SE, M93R3013SE

99.1882.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**49.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Doblò, Palio, Punto, Strada **| Volvo** 850, C30, S60, XC60, XC90

OEM *ORIGINAL*

Bosch 1006209653, 1006209751, 1006209947 **| Cargo** 233720 **| Fiat** 9948378 **| Ika** 450421

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109041, 0001109048, 0001109063, 0001109252, 0001109264 **| Fiat** 46522234, 46830212

99.1883.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	**53.20**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.70**
IS Ø Interno da Estria	**14.20**
L Comprimento	**100.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Clark Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

TJ 407

99.1884.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**39.00**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**50.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lexus IS II (220D) **| Toyota** Auris (2.0 D-4D), Auris (2.2 D), Avensis (2.0 D-4D), Avensis (2.2 D-4D), Corolla (2.0 D-4D), Corolla (2.2 D-4D), Corolla Verso (2.2 D-4D), RAV 4 III (2.2 D-4D)

OEM *ORIGINAL*

Cargo 330651 **| Toyota** 280210G040

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63187051, 63280059 **| Nippondenso** 4280003180, 4280004920 **| Toyota** 281000G040

99.1885.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**75.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Máquinas Agrícolas / Agricultural Machines

OEM *ORIGINAL*

Cargo 234970 **| Denso** 0283006010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

John Deere AM107631, AM108390, AM124993, AM127877, AM131296, AM133636 **| Kawasaki** 211637002, 211637004, 211637014, 211637015, 211637026 **| Kohler** 1209803, 1209803S, 2409801, 2409801S **| Kubota** E719563010 **| Mitsubishi** MD184420 **| New Holland** K0H2409801 **| Nippondenso** 1280001870, 1280004870, 1280007480, 2280000120, 2280002640, 2280007990, 2280009261, 2800002640, 2800007190 **| Onan** 1911906, 1912107

IMPULSORES DE PARTIDA

99.1886.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**18.40**
IS Ø Interno da Estria	**15.70**
L Comprimento	**50.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 190 (W201), Classe C / C Class (W202), Classe C / C Class (W203), Classe E / E Class (W124), Classe G / G Class (W460), Classe M / M Class (W163), Classe S / S Class (W140), Classe V / V Class (638 / 2) | **Ssangyong** Actyon I, Actyon Sports I (QJ), Korando (Cabrio KJ), Korando (K4), Korando (KJ), Kyron, Musso (FJ), Musso (Sports), Rexton (GAB), Stavic

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ssangyong 6611513201

99.1887.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**50.10**

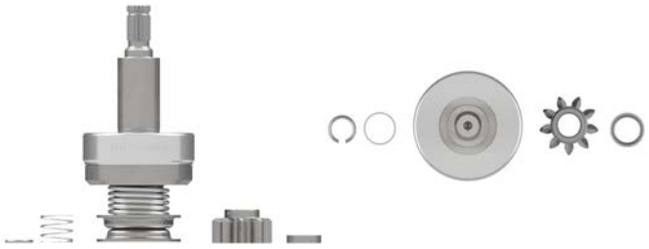
APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Amaze

OEM *ORIGINAL*

Nippondenso 4380000050

99.1888.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9/17**
2T Dois Dentes	**14.47**
G Ø Externo do Dente	**14.10/35.40**
IG Ø Interno do Dente	**12.60/22.40**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**134.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mercedes-Benz 1215, 1417, 1625, 1628, 1632, 1725, 2423, 712, 912, 914, Atego 1718, Atego 2425, Atego 2428, Axor 1933, Axor 2831 **| Prestolite** M95R

OEM *ORIGINAL*

Prestolite K01678

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35262760AM

99.1890.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.74**
G Ø Externo do Dente	**28.25**
IG Ø Interno do Dente	**19.65**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**48.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**81.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.6 FSI), A3 (2.0 FSI) **| Seat** Altea (1.4 16v), Cordoba (1.2), Cordoba (1.2 12v), Cordoba (1.4 16v), Cordoba (1.6), Cordoba (1.6 16v), Ibiza I (1.4 16v), Ibiza I (1.6 16v), Ibiza I (V-V 1.2 12v), Leon (1.4 16v), Octavia (1.4), Octavia (1.6), Octavia (16v), Octavia (FSI), Roomster (1.2), Roomster (1.4), Roomster (1.6), Roomster (1.9 TDI), Roomster (TSI) **| Skoda** Fabia (1.2), Fabia (1.4), Fabia (1.6), Fabia (1.9 TDI), Fabia (16v), Fabia (TSI) **| Volkswagen** Golf (1.6 FSI), Golf (16v), Golf (FSI), Golf V, Golf VI (1.4), Polo (1.2), Polo (1.4), Polo (1.6), Polo (12v), Polo (16v), Polo (FSI), Polo (TSI)

OEM *ORIGINAL*

Valeo 191548, 594665

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6GS11, D6GS12, D6GS13

99.1891.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.72**
G Ø Externo do Dente	**28.25**
IG Ø Interno do Dente	**19.65**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**89.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (L4 2.0L 1984cc 121cid, 2010~2013), A3 (L4 2.0L 1984cc 121cid Gasolina / Gasoline, 2011), TT (L4 2.0L 1984cc 121cid CCTA, 2009), TT Quattro (L4 2.0L 1984cc 121cid CCTA, 2009~2010) **| Volkswagen** Beetle (L4 2.0L 1984cc 121cid, 2012), Bora (1.6 Non-Turbo Gasolina / Gasoline-BWG, 2008), Bora (1.6 Non-Turbo Gasolina / Gasoline-BWH, 2008), Bora (1.6 Non-Turbo Gasolina / Gasoline-BWH, 2011), Bora (1.6 Non-Turbo Gasolina / Gasoline-CLS, 2011~2013), Bora (2.0 Non-Turbo, Gasolina / Gasoline-CEN, 2008), CC (L4 2.0L 1984cc 121cid, 2009~2010), EOS (L4 2.0L 1984cc 121cid, 2007~2011), Golf (1.6 Non-Turbo Gasolina / Gasoline-CLR, 2012), Golf (L4 2.0L 1984cc 121cid-Gasolina / Gasoline, 2012), Golf City (L4 2.0L 1984cc 121cid, 2007), GTI (L4 2.0L 1984cc 121cid, 2006~2011), Jetta (L4 2.0L 1984cc 121cid, 2006~2010), Jetta (L4 2.0L 1984cc 121cid Gasolina / Gasoline, 2009~2011), Jetta (L4 2.0L 1984cc 121cid Naturally Aspirated, 2012~2013), Jetta (L4 2.0L 1984cc 121cid Turbo Charged, 2012~2013), Passat (L4 2.0L 1984cc 121cid, 2006~2009), R32 (V6 3.2L 3189cc 195cid, 2008), Tiguan (L4 2.0L 1984cc 121cid, 2010~2012)

OEM *ORIGINAL*

Valeo 191547, 200202, 594666

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6GS14, D6GS14M, TS12ER20, TS12ER25 **| Volkswagen** 02M911021B, 02M911023M, 02M911023MX

99.1893.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**29.35**
IG Ø Interno do Dente	**20.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**14.60**
L Comprimento	**81.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Fox (1.0, 2003~2013), Fox (1.6, 2003~2013), Gol (1.0 EA111, 1997~2014), Gol (1.6, 2008~2014), Golf (1.6, 2002~2014), Polo (1.0 EA111, 2002~2003), Polo (1.6, 2002~2014), Polo Sedan (1.0, 2016→), Polo Sedan (1.6, 2016→), Saveiro (1.6, 2009→), Spacefox (1.6, 2006~2014), Voyage (1.0, 2008~2016), Voyage (1.6, 2008~2016)

OEM *ORIGINAL*

Valeo 1205962, 501502

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TSC10R7 **| Volkswagen** 02T911021E, 495107

99.1895.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**11.30**
G Ø Externo do Dente	**24.70**
IG Ø Interno do Dente	**16.40**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**75.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Daihatsu Charade (1000, 1983~1993), Charade (L3 1.0L 993cc 61cid, 1988~1992), Domino (850, 1986~1989), Move (847, 1997~2000)

OEM *ORIGINAL*

Cargo 136794 | **Nippondenso** 0283005730 | **Toyota** 2801187505 | **Volkswagen** 113911335B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Daihatsu 2810087526000, 2810087548000, 2810087722000, 2810087734000 | **Nippondenso** 1280003662, 1280004530, 1280004531, 1280004532, 2280006430 | **Toyota** 2810087725

99.1898.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**64.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ahlmann Pá Carregadeira / Wheel Loader / Pala Cargadora AL100 (BF4L2011) | **Atlas Copco** Compressor / Compresor XAHS 107 (C2), Compressor / Compresor XAHS 37 (DD), Compressor / Compresor XAS 137 (C2), Máquina Rolo / Road Roller / Apisonadora AW 240, Máquina Rolo / Road Roller / Apisonadora AW 260, Máquina Rolo / Road Roller / Apisonadora AW 300 | **Kramer** Pá Carregadeira / Wheel Loader / Pala Cargadora 8085, Pá Carregadeira / Wheel Loader / Pala Cargadora 8085T, Pá Carregadeira / Wheel Loader / Pala Cargadora 8095, Pá Carregadeira / Wheel Loader / Pala Cargadora 8095T, Pá Carregadeira / Wheel Loader / Pala Cargadora 8105 | **Sandvik** DS310 | **Schaeffer** Pá Carregadeira / Wheel Loader / Pala Cargadora 5680Z, Pá Carregadeira / Wheel Loader / Pala Cargadora 6680Z, Pá Carregadeira / Wheel Loader / Pala Cargadora 8600Z | **Terex** Escavadeira / Excavator / Excavadora TC85, Escavadeira / Excavator / Excavadora TL80

OEM *ORIGINAL*

Ahlmann 4184190A, 72735657 | **Iskra** 16911538

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Deutz 04132652, 04300285, BF4L1011FT, D2011L2, D2011L3, F2L201, F2M2011, F3L1011, F4L2011, TD2011L3, TD2011L4 **|** **Iskra** 11131663, 11131948, 11131950, 11132077, 11132095, 11132378, AZE6537, AZE6554, AZE6556, AZE6563, AZE6567, AZE6589 **|** **KHD** 1181751, 1182382, 1182384, 1182386, 1183404, 4300006 **|** **Kramer** 1000124272

99.1899.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**46.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 159 (1.8), 159 (2.0), 4C (1.7), 4C (Spider 1.7), Brera (2.0), Giulietta (1.8), Spider (1.8), Spider (2.0) **|** **Dodge** Journey (2.0) **|** **Fiat** Bravo (1.6 Multijet), Bravo (2.0 Multijet), Doblò (1.6 Multijet), Doblò (2.0 Multijet), Ducato (115 Multijet), Linea (1.6 Multijet), Tipo (1.6 Multijet), Toro (2.0), Toro (2.0 4x4), Toro (2.0 4x4 Diesel), Toro (2.0 Diesel) **|** **Lancia** Delta (1.6 Multijet), Delta (1.9 Multijet), Delta (2.0 Multijet) **|** **Opel** Combo (1.6) **|** **Suzuki** S-Cross (1.6), SX4 (1.6), SX4 (2.0)

OEM *ORIGINAL*

Bosch 1006209991

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Alfa Romeo 51787218, 51808557 **|** **Bosch** 0001107478, 0001107479, 0001108420, 0001108421, 0001108450, 0001108451, 0001108456, 0001108457 **|** **Chrysler** 68080459AA **|** **Dodge** 68080459AA **|** **Fiat** 51787218, 517872180, 51808557, 52115072 **|** **Lancia** 51787218 **|** **Maserati** A00518085570 **|** **Pininfarina** 93951787218, 93951808557 **|** **SEG** 0001174011 **|** **Suzuki** 3110055L00, 3110055L01, 31100T55L00

99.1902.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.70**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**21.80**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**42.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Berlingo (1.1), Berlingo (1.6 HDI), C1 (1.4), C1 (1.6), C1 (2.2 HDI), C2 (1.4), C2 (1.6), C2 (2.2 HDI), C3 (1.4), C3 (1.6), C3 (2.2 HDI), C4 (1.4), C4 (1.6), C4 (2.2 HDI), C5 (1.4), C5 (1.6), C5 (2.2 HDI), Jumpy (1.6 HDI), Nemo (1.4 HDI), Xsara (1.4), Xsara (1.6 HDI) **|** **Fiat** Scudo (1.6 D Multijet) **|** **Peugeot** 1007 (1.4), 1007 (1.6 HDI), 107 (1.4), 107 (1.6 HDI), 206 (1.4), 206 (1.6 HDI), 207 (1.4), 207 (1.6 HDI), 307 (1.4), 307 (1.6 HDI), 407 (1.4), 407 (1.6 HDI), Bipper

(1.4 HDI), Expert (1.6 HDI), Ranch (1.6 HDI)

OEM *ORIGINAL*

Magneti Marelli 85553621

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Magneti Marelli 63280091 | **Nippondenso** 4280001640

99.1903.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**30.80**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**13.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën Jumper (2.5 TD TDI 4x4) | **Peugeot** 605 (2.5 TD), Boxer (2.5 TD TDI 4x4)

OEM *ORIGINAL*

Mitsubishi M191X69271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T84771

99.1904.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**30**
2T Dois Dentes	**-**
G Ø Externo do Dente	**21.20**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**83.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Almera (2.2 TD), Almera II (2.2 DCI), Almera Tino (2.2 DCI), Primera (2.2 DI), X-Trail (2.2 DCI 4x4), X-Trail (2.2 DI 4x4)

OEM *ORIGINAL*

Cargo 234810 | **Mitsubishi** M191X69671

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M8T71371, M8T71471, M8T75271, M8T75371, M8T75671

99.1906.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**30**
2T Dois Dentes	
G Ø Externo do Dente	**21.20**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**84.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Cabstar, Frontier (3.0), Navara (2.5 DCI, 2005→), Pathfinder (2.5 DCI, 2005→)

OEM *ORIGINAL*

Mitsubishi M191X95971

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M8T76071, M8T76071ZE **| Nissan** 23300EB300, 23300EB30A, 23300EB30B

99.1908.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.48**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**52.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo Giulietta (1.4 TB Start / Stop), Mito (0.9 Start / Stop), Mito (1.3 JTDM Start / Stop) **| Fiat** 500 (0.9 Start / Stop), 500 (1.3 D Multijet Start / Stop), 500 (C 0.9 Start / Stop), 500 (C 1.3 D Multijet Start / Stop), 500 (L 0.9 Natural Power Start / Stop), Doblò (1.3 Multijet Start / Stop), Fiorino (1.3 D Multijet Start / Stop), Grand Punto (1.3 D Multijet Start / Stop), Panda (0.9 4x4 Natural Power Start / Stop), Panda (1.3 D Multijet 4x4 Start / Stop), Punto (0.9 Twinair Turbo Start / Stop), Punto (EVO 1.3 D Multijet Start / Stop), Qubo (1.3 Multijet Start / Stop) **| General Motors/Chevrolet** Aveo (1.2 LPG Start / Stop), Aveo (1.4 D Start / Stop), Cruze (1.4 Start / Stop), Orlando (1.4 Start / Stop), Trax (1.4 AWDS Start / Stop)

OEM *ORIGINAL*

Bosch 1006209608, 1006210184 **| Suzuki** 3132086L00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001137003, 0001137004, 0001137005, 0001138011, 0001138012, 0001138029, 0001138030, 0001138037, 0001138038

99.1909.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.47**
G Ø Externo do Dente	**27.50**
IG Ø Interno do Dente	**19.30**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**36.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi ASX (2010), Colt VI (2002~2010), Lancer (2007), Lancer Sportback (Sportback, 2008), RVR (4A92, 2012) | **Nissan** March (1.0, 2018)

OEM *ORIGINAL*

Mitsubishi 1810A026, M191T41271, M191X41271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000TD0971, M0T31671, M0T33671ZT | **Nissan** 233001HC0D

99.1910.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.45**
G Ø Externo do Dente	**29.20**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**14.60**
L Comprimento	**81.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A3 (1.9 TDI), A3 (2.0 FSI), A3 (2.0 TDI), TT (8T), TT (Quattro) | **Seat** Altea (1.9 TDI), Altea (2.0 TDI), Altea (XL 2.0 FSI), Cordoba (1.4 TDI), Cordoba (1.9 TDI), Cordoba (2.0), Ibiza IV (1.4 TDI), Ibiza IV (1.9 TDI), Ibiza IV (2.0), Ibiza V (1.4 TDI), Ibiza V (1.9 TDI), Leon (1.9 TDI), Leon (2.0 FSI), Toledo III (1.9 TDI), Toledo III (2.0 FSI), Toledo III (2.0 TDI) | **Skoda** Fabia (1.4 TDI), Fabia (1.9 TDI), Fabia (2.0), Octavia (1.9 TDI), Octavia (16v), Octavia (2.0 FSI), Octavia (2.0 TDI), Octavia (4x4), Roomster (1.4 TDI), Roomster (1.9 TDI), Superb (1.9 TDI) | **Volkswagen** Caddy III (1.9 TDI), Golf IV (1.9 TDI), Golf IV (4motion), Golf V (1.9 TDI), Golf V (2.0 FSI), Golf V (2.0 TDI), Golf V (4motion), Jetta III (1.9 TDI), Jetta III (2.0 FSI), Jetta III (2.0 TDI), Multivan V (1.9 TDI), Passat (1.9 TDI), Polo (1.4 TDI), Polo (1.9 TDI), Polo (2.0), Touran (1.9 TDI), Touran (2.0 FSI), Touran (2.0 TDI), Transporter V (1.9 TDI)

OEM *ORIGINAL*

Valeo 192750

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo TS18E1

99.1911.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.52**
G Ø Externo do Dente	**34.50**
IG Ø Interno do Dente	**25.70**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.10**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**15.20**
IS Ø Interno da Estria	**12.50**
L Comprimento	**39.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Cobalt, Cruze, Onix, Prisma

OEM *ORIGINAL*

Delco Remy 10543845

99.1912.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.52**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**15.20**
IS Ø Interno da Estria	**12.50**
L Comprimento	**36.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai HB20 (1.0)

OEM *ORIGINAL*

Delco Remy 10540773

99.1913.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.52**
G Ø Externo do Dente	**30.05**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**15.20**
IS Ø Interno da Estria	**12.50**
L Comprimento	**36.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Accent (2015→), HB20 (1.6), Solaris (2011→) | **Kia** Rio (2015→)

OEM *ORIGINAL*

Delco Remy 10535802 | **Hyundai** 361452B614 | **Kia** 361452B614

99.1914.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**20.00**
ID Ø da Bucha	**11/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**47.50**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux

OEM *ORIGINAL*

Bosch F000AL3000

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001122412, 0001122413 | **Toyota** 281000C120

99.1915.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**32.40**
IG Ø Interno do Dente	**23.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**45.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Duster (2.0L, 2011→), Duster Oroch (2.0L, 2015→), Sandero (2.0L, 2016→)

OEM *ORIGINAL*

Valeo 501497

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nissan 233008710R | **Valeo** 495111, TSL1210

99.1916.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**31.70**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**36.90**

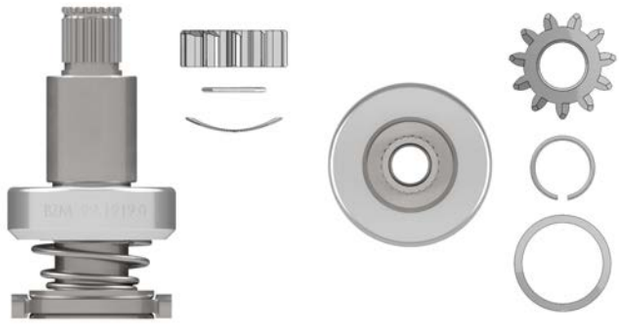
APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda 2 (1.3), 2 (1.3 VTI), 2 (1.5i), 3 (1.6 MZR)

OEM *ORIGINAL*

Mitsubishi M191X42471

99.1919.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11/22**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**18.75/41.00**
IG Ø Interno do Dente	**17.15/29.70**
ID Ø da Bucha	**11.00/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**94.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux (2.8 4x4, 11/2015→), Hilux SW4 (2.8 4x4, 01/2016→)

OEM *ORIGINAL*

Bosch F000AL3001 **| Toyota** 280110L200

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001124028, 0001124029, 0001125625, 0001125626 **| Toyota** 281000L200

99.1920.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06/14.30**
CW-CCW Sentido	**CCW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**19.55**
L Comprimento	**103.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi TT (1.8T), TT (3.2L) **| Seat** Alhambra (1.8T), Alhambra (2.0L), Leon (1.8T), Leon (2.0L), Toledo (1.8T), Toledo (2.0L)

OEM *ORIGINAL*

Bosch 1006209769, 1006209953 **| Cargo** 236854

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001121022, 0001121023

99.1921.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**20.90**
IS Ø Interno da Estria	**18.50**
L Comprimento	**110.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

KHD Autocarri | **Renault** Autocarri, Premium (27200cc) | **Volkswagen** 24280 (Motor Man) | **Volvo** Fe (7100cc), Fe II, FL II, FL III (7146cc)

OEM *ORIGINAL*

Mitsubishi 241894471 | **Montero** M191X94471

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M008T62671, M8T62471

99.1922.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**17/30**
2T Dois Dentes	**10.28**
G Ø Externo do Dente	**41.80**
IG Ø Interno do Dente	**32.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**15.00**
L Comprimento	**57.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Encore (1.4 L4 Gasolina / Gasoline, 2017~2018) | **General Motors/Chevrolet** Cruze (1.4 Turbo 4 cil / cyl Gasolina / Gasoline, 2016~2018), Malibu (1.5 4 cil / cyl, 2017), Tracker (1.4 Turbo 4 cil / cyl Gasolina / Gasoline, 2017~2019)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 12673600, 12680615 | **Mitsubishi** M001T81782, M1T81782

99.1923.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.52**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.10**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**40.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Accent (2014), Elantra, IX55 (3.8 V6, 2011→), Veracruz (3.5, 2012→) | **Kia** Carnival, Rio, Sedona (3.5, 2013→), Sorento (4.3 V6, 2012)

OEM *ORIGINAL*

Hyundai K1J11B

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 16160, 8000465 | **Hyundai** 361003C151, 3614525010

99.1924.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.10**
G Ø Externo do Dente	**34.20**
IG Ø Interno do Dente	**23.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**65.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Empilhadeira / Forklift / Apiladora (FD35ABD), Empilhadeira / Forklift / Apiladora (FD35AD), Empilhadeira / Forklift / Apiladora (FD35AT), Empilhadeira / Forklift / Apiladora (FDC20D), Empilhadeira / Forklift / Apiladora (FDC25D)

OEM *ORIGINAL*

Mitsubishi M191T57072, M191T57081, M191T57083, M191Y57081

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M005T22371, M005T27671, M005T27672

99.1925.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**27.20**
IG Ø Interno do Dente	**16.50**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**11.40**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C1 (1000-CFA-1KRFE, 2005~2008), C1 (PM, PN-Eng. 1KRFE 1.0 50kW, 2005~2015) **|** **Peugeot** 107 **|** **Toyota** Aygo (1000-1KRFE, 2005~2008)

OEM *ORIGINAL*

Cargo 330533 **|** **Valeo** 194440, 194480, 594734

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Toyota 281000Q012 **|** **Valeo** TS10E1

99.1926.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.45**
G Ø Externo do Dente	**29.20**
IG Ø Interno do Dente	**21.00**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A2 (1.4 TDI), A3 (1.6 S3 quattro), A3 (1.9 TDI quattro) **|** **Ford** Galaxy (1.9 TDI), Galaxy (2.3 16v) **|** **Seat** Alhambra (1.9 TDI), Alhambra (TDI 4x4), Arosa (1.4 TDI), Cordoba (1.6), Cordoba (1.9 D), Cordoba (2.0i), Cordoba (SDI), Cordoba (TDI), Ibiza (II-III-IV-1.4 TDI, 1.9 D, SDI, TD, TDI), Ibiza (II-III, 1.6, 2.0i), Inca (1.7 D), Inca (1.9 D), Inca (SDI), Leon (1.4 16v), Leon (1.6), Leon (1.9 SDI), Leon (TDI), Toledo (I, II 1.9 D, SDI, TD, TDI, 2.0i), Toledo (II 1.4 16v, 1.6, 2.3 V5) **|** **Skoda** Fabia (1.4 TDI), Fabia (1.9 SDI), Fabia (RS), Fabia (TDI), Octavia (1.4 16v), Octavia (1.6), Octavia (1.9 D), Octavia (4x4), Octavia (SDI), Octavia (TD), Octavia (TDI) **|** **Volkswagen** Bora (1.4 16v), Bora (1.6), Bora (1.9 SDI), Bora (2.3 V5 4motion), Bora (TDI), Caddy (II 1.7 SDI, 1.9 D, SDI, TDI), Caddy I (1.6 D), Corrado (2.9 VR6), Golf (I 1.5 D, 1.6 D, 1.6 TD), Golf (III 1.9 D, SDI, TD, GTD, TDI, Syncro), Golf (III 2.0, 2.8 VR6, 2.9 VR6 Syncro), Golf (IV 1.4 16v, 1.6, 2.3 V5, 4motion), Golf (IV 1.9 SDI, TDI, 4motion), Jetta I (1.6 D), Jetta I (1.6 TD), Lupo (1.4 TDI), New Beetle (1.9 TDI), Passat (1.6 TD), Passat (1.9 D), Passat (2.0), Passat (2.3 VR5), Passat (2.8 VR6), Passat (2.9 VR6), Passat (2.9 VR6 Syncro), Passat (Syncro / 4motion), Passat (TD), Passat (TDI), Polo (1.4 TDI), Polo (1.6), Polo (1.9 SDI), Polo (TDI), Sharan (1.9 TDI), Sharan (2.8 VR6), Sharan (Syncro), Transporter (IV 2.0, 2.5, Syncro, 2.8 V6, VR6), Transporter (IV 2.4 D, Syncro, 2.5 TDI, Syncro), Vento (1.9 D), Vento (2.0), Vento (2.8 VR6), Vento (SDI), Vento (TD), Vento (TDI)

OEM *ORIGINAL*

Cargo 231093 **| Valeo** 188270, 594389, 594699

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D7RS129, D7RS29, D7RS30, D7RS31

99.1927.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**46.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alfa Romeo 147 (1.6 16v), 147 (1.8 16v), 147 (2.0 16v), 156 (1.6 16v), 156 (1.8 16v), 156 (2.0 16v) **| BMW** 116i, 118i, 120i, 318i, X3 (2.0i), Z4 (2.0i) **| Fiat** Barchetta (1.8 16v), Punto (HCT 1.8 16v), Stilo (1.8 16v) **| Lancia** Lybra (1.8 16v), Lybra (2.0 20v)

OEM *ORIGINAL*

Bosch 1006209805, 1006209808, 1006209814, 1006209958 **| Cargo** 234946

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001107411, 0001107490, 0001107491

99.1928.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**3**
ES Ø Externo da Estria	**19.20**
IS Ø Interno da Estria	**16.20**
L Comprimento	**96.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Case Pá Carregadeira / Wheel Loader / Pala Cargadora **| John Deere** Trator / Tractor

OEM *ORIGINAL*

Cargo 133545 **| Delco Remy** 10479522, 10497522, 1877345, 1947912, 1968131, 1970376, 1971706, A43652, D2037 **| Facet** 10533, 10632, 10633 **| Lester** 3300, 4000, 4100, 4211, 4248, 4251, 4268, 4307, 4318, 4943, 4994, 4995, 6164, 6510, 6707, 6731, 6733, 6737 **| Lucas Indiel** 223191

99.1929.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**12.05**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**58.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Trator / Tractor T3230-2 (1.8 32CV, 2010→), Trator / Tractor T3230-4 (1.8 32CV, 2010→), Trator / Tractor T5045-2 (2.5 50CV, 2010→), Trator / Tractor T5045-4 (2.5 50CV, 2010→)

OEM *ORIGINAL*

Bosch F000AL2856

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F000AL0154

99.1930.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.25**
IG Ø Interno do Dente	**19.95**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**82.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A4 (1.9 TDI, 2001~2004), A6 (2001~2005) **| Volkswagen** Passat (1.9 TDI, 2000~2005)

OEM *ORIGINAL*

Cargo 237291 **| Valeo** 594640

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 438184, 458231, D7GS9 **| Volkswagen** 068911024L, 068911024LX

99.1932.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**20.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**51.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai Creta (1.6 Start / Stop), I20 (1.4 Gasolina / Gasoline Start / Stop), I30 (1.4 Gasolina / Gasoline Start / Stop), I30 (1.6 Gasolina / Gasoline Start / Stop) | **Kia** Carens (1.6 Gasolina / Gasoline Start / Stop, 2013→), Ceed (1.4 Gasolina / Gasoline Start / Stop, 2012→), Pro Ceed (1.4 Gasolina / Gasoline Start / Stop, 2013→), Rio (1.4 Gasolina / Gasoline Start / Stop, 2011→), Soul (1.6 Gasolina / Gasoline G4FD GDI Start / Stop, 06/2011→)

OEM *ORIGINAL*

Bosch 1006210351, 1006210927

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001138051, 0001138052, 0001138055, 0001138056, 0001138073, 0001138074 | **Kia** 361002B302

99.1933.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**29.10**
IG Ø Interno do Dente	**20.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford C Max (1.6L 1596cc, 2007~2010), Fiesta (L4 1.6L 1596cc 97cid, 2011~2012), Fiesta (L4 1.6L 1596cc 97cid VIN, 2013~2017), Fiesta (L4 1.6L 1598cc 98cid, 2011~2013), Focus C Max (1.6L 1596cc, 2003~2007), Focus II (1.4L 1388cc, 2004~2007), Focus II (1.6L 1596cc, 2004~2012)

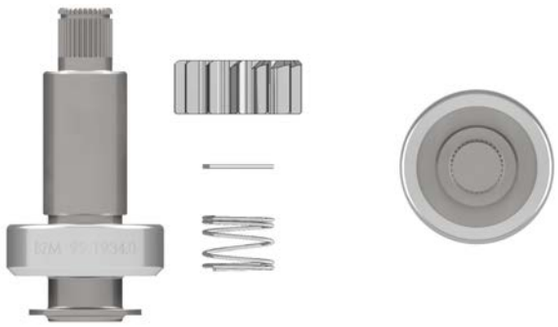
OEM *ORIGINAL*

Mitsubishi 092441971, M191T41971, M191YT41971

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford AE8T11000AB | **Mitsubishi** M000T32271, M000T33571ZC, M0T32271

99.1934.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**33/13**
2T Dois Dentes	**10.64**
G Ø Externo do Dente	**16.95/34.65**
IG Ø Interno do Dente	**15.60/25.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**14.60**
L Comprimento	**96.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volkswagen Cross Up (1.0 EA211, 2014→), CrossFox (1.6 EA211, 2015→), Fox (1.0 EA211, 2013→), Fox (1.6 EA211, 2013→), Gol (1.6 EA211, 2014→), Golf (1.4 EA211, 2013→), Saveiro (1.6 EA211, 2014→), Spacefox (1.6 EA211, 2014→), T-Cross (1.0 TSI 3 cil / cyl, 2018→), UP (1.0 EA211, 2014→)

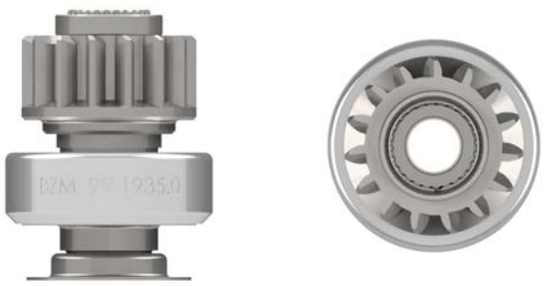
OEM *ORIGINAL*

Valeo 1208965, 501498

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo 495109, TSC10R6 | **Volkswagen** 02M911021J

99.1935.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**15/26**
2T Dois Dentes	**10.45**
G Ø Externo do Dente	**38.20/18.20**
IG Ø Interno do Dente	**29.50/17.20**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**57.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Regal (L4 2.0L 1998cc 122cid, 2014~2016) | **Cadillac** ATS (L4 2.0L 1998cc 122cid, 2015), ATS (L4 2.5L 2457cc 150cid, 2015) | **General Motors/Chevrolet** Colorado (L4 2.5L 2457cc 153cid, 2015~2016), Malibu (L4 2.0L 1998cc 122cid, 2016), S10 (Cabine dupla nova / New double cab / Cabina doble nueva 2L03-43-LCV, N8D, 2015~2019), S10 (Cabine simples nova / New simple cab / Cabina simple nueva-2L03-43-LCV, N8D, 2015~2019) | **GMC** Canyon (L4 2.5L 2457cc 153cid, 2015~2016)

OEM *ORIGINAL*

General Motors/Chevrolet 93306250

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 12663053, 12678752 | **Lester** 16348 | **Nippondenso** 4380002400, 4380004420

99.1937.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.22**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**21.40**
ID Ø da Bucha	**11.0/14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**81.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere 5045D (3.029 PowerTech, 3 cil / cyl, 179 CI Turbo Dsl, 2008~2014)

OEM *ORIGINAL*

Bosch F002G20677

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch F002G20658 | **Lester** 19331

99.1938.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**34.50**
IG Ø Interno do Dente	**25.00**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**47.50**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**56.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Argo (1.0 Start / Stop, 2015→), Argo (1.3 Start / Stop, 2015→), Cronos (1.3, 2018→), Mobi (1.0 Start / Stop, 2015→), Mobi (1.3 Start / Stop, 2015→), Uno (1.0 Start / Stop, 2015→), Uno (1.3 Start / Stop, 2015→)

OEM *ORIGINAL*

Bosch 1006210516, 1006210949

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001170416, 0001170417, 0001170420, 0001170421 | **Fiat** 52033809

99.1939.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**34.50**
IG Ø Interno do Dente	**25.00**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**47.50**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**49.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Argo (1.8 Start / Stop), Toro (1.8 Start / Stop) | **JEEP** Renegade (1.8 Start / Stop, 2015→)

OEM *ORIGINAL*

Bosch 1006210940, 1006210948

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001170422, 0001170423 | **Fiat** 52014723

99.1940.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**22.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**39.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai HR (2.5 TCI, 2012→) | **Kia** Bongo (K2500 2.5 TCI, 2012→)

OEM *ORIGINAL*

Delco Remy 10542541

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8000868 | **Hyundai** 361004A160

IMPULSORES DE PARTIDA

99.1942.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.42**
G Ø Externo do Dente	**31.80**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**42.0**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford E150 (V8 5.4L 330cid, 2013~2014), E250 (V8 5.4L 330cid, 2013~2014), E350 (Super Duty V10 6.8L 415cid, 2013~2018), E350 (Super Duty V8 5.4L 330cid, 2013~2016), E450 (Super Duty V10 6.8L 415cid, 2013~2017), E450 (Super Duty V8 5.4L 330cid, 2013~2016), Expedition (V8 5.4L 330cid, 2013~2014), F150 (V8 5.0L 4951cc 302cid, 2013~2015), F150 (V8 6.2L 6210cc 379cid, 2014), F250 (Super Duty V8 6.2L 6210cc 379cid, 2013~2018), F350 (Super Duty V8 6.2L 6210cc 379cid, 2013~2018), F450 (Super Duty V10 6.8L 415cid, 2013~2018), F53 (V10 6.8L 415cid, 2013~2018), F550 (Super Duty V10 6.8L 415cid, 2013~2018), F59 (V10 6.8L 415cid, 2016~2018) | **Lincoln** Navigator (V8 5.4L 330cid, 2013~2014) | **Mercedes-Benz** C 180 (2.1 CDI S204 OM651.913, 01/2011~08/2014), C 180 (2.1 CDI W204 OM651.913, 01/2011~01/2014), C 200 (2.1 CDI S204 OM651.913, 08/2010~08/2014), C 200 (2.1 CDI W204 OM651.913, 01/2011~01/2014), C 220 (2.1 CDI C204 OM651.911, 06/2011→), C 220 (2.1 CDI S204 OM651.911, 12/2008~08/2014), C 220 (2.1 CDI W204 OM651.911, 12/2008~01/2014), C 250 (2.1 CDI 4-Matic S204 OM651.912, 04/2010~08/2014), C 250 (2.1 CDI 4-Matic W204 OM651.912, 01/2011~01/2014), C 250 (2.1 CDI C204 OM651.911, 06/2011→), C 250 (2.1 CDI S204 OM651.911, 01/2009~08/2014), C 250 (2.1 CDI W204 OM651.911, 08/2008~01/2014), CLS250 (2.1 BlueTec C218 OM651.924, 04/2011→), CLS250 (2.1 CDI C218 OM651.924, 04/2011→), E 220 (2.1 BlueTec A207 OM651.911, 01/2010→), E 220 (2.1 BlueTec S212 OM651.924, 11/2009→), E 220 (2.1 BlueTec W212 OM651.924, 01/2009→), E 220 (2.1 CDI A207 OM651.911, 01/2010→), E 220 (2.1 CDI C207 OM651.911, 01/2010→), E 220 (2.1 CDI S212 OM651.924, 11/2009→), E 220 (2.1 CDI W212 OM651.924, 01/2009→), E 250 (2.1 BlueTec 4-Matic S212 OM651.924, 07/2010→), E 250 (2.1 BlueTec 4-Matic W212 OM651.924, 01/2009→), E 250 (2.1 BlueTec A207 OM651.911, 01/2010→), E 250 (2.1 BlueTec C207 OM651.911, 01/2009→), E 250 (2.1 BlueTec S212 OM651.924, 11/2009→), E 250 (2.1 BlueTec W212 OM651.924, 01/2009→), E 250 (2.1 CDI A207 OM651.911, 01/2010→), E 250 (2.1 CDI C207 OM651.911, 01/2009→), E 250 (2.1 CDI S212 OM651.924, 07/2010→), E 250 (2.1 CDI S212 OM651.924, 11/2009→), E 250 (2.1 CDI W212 OM651.924, 1/2009→), E200 (2.1 BlueTec S212 OM651.925, 11/2009→), E200 (2.1 BlueTec W212 OM651.925, 01/2009→), E200 (2.1 CDI S212 OM651.925, 11/2009→), E200 (2.1 CDI W212 OM651.925, 01/2009→), GLK 200 (2.1 CDI X204 OM651.913, 07/2010~06/2015), GLK 200 (2.1 CDI X204 OM651.916, 07/2010~06/2015), GLK 220 (2.1 CDI 4-Matic X204 OM651.912, 12/2008~06/2015), GLK 220 (2.1 CDI X204 OM651.916, 12/2008~06/2015), GLK 250 (2.1 CDI 4-Matic X204 OM651.912, 09/2009~06/2015), SLK250 (2.1 CDI R172 OM651.980, 01/2012→), SLK250 (2.1 D R172 OM651.980, 01/2012→), Sprinter (213 2.1 CDI-906-OM651.955, 03/2009~05/2016), Sprinter (213 2.1 CDI-906-OM651.956, 03/2009~05/2016), Sprinter (213 2.1 CDI-906-OM651.957, 03/2009~05/2016), Sprinter (313 2.1 CDI-906-OM651.955, 05/2009→), Sprinter (313 2.1 CDI-906-OM651.955, 06/2006~05/2016), Sprinter (313 2.1 CDI-906-OM651.955, 08/2011~05/2016), Sprinter (313 2.1 CDI-906-OM651.956, 05/2009→), Sprinter (313 2.1 CDI-906-OM651.956, 06/2006~05/2016), Sprinter (313 2.1 CDI-906-OM651.956, 08/2011~05/2016), Sprinter (313 2.1 CDI 4x4-906-OM651.955, 05/2009→), Sprinter (313 2.1 CDI 4x4-906-OM651.955, 06/2006~05/2016), Sprinter (313 2.1 CDI 4x4-906-OM651.955, 08/2011~05/2016), Sprinter (313 2.1 CDI 4x4-906-OM651.956, 05/2009→), Sprinter (313 2.1 CDI 4x4-906-OM651.956, 06/2006~05/2016), Sprinter (313 2.1 CDI 4x4-906-OM651.956, 08/2011~05/2016), Sprinter (316 2.1 CDI-906-OM651.955, 03/2009→), Sprinter (316 2.1 CDI-906-OM651.957, 03/2009→), Sprinter (316 2.1 CDI 4x4-906-OM651.955, 03/2009→), Sprinter (316 2.1 CDI 4x4-906-OM651.955, 08/2011→), Sprinter (316 2.1 CDI 4x4-906-OM651.957, 03/2009→), Sprinter (316 2.1 CDI 4x4-906-OM651.957, 08/2011→), Viano (2.0 CDI-W639-OM651.940, 07/2010→), Viano (2.0 CDI 4-Matic-W639-OM651.940, 07/2010→), Viano (2.2 CDI-W639-OM651.940, 07/2010→), Viano (2.2 CDI 4-Matic-W639-OM651.940, 07/2010→), Vito (113 2.1 CDI-W639-OM651.940, 09/2010→), Vito (113 2.1 CDI 4x4-W639-OM651.940, 09/2010→), Vito (116 2.1 CDI-W639-OM651.940, 09/2010→), Vito (116 2.1 CDI 4x4-W639-OM651.940, 09/2010→), Vito Mixto (113 2.1 CDI W639 OM651.940, 09/2010→), Vito Mixto (116 2.1 CDI W639 OM651.940, 09/2010→)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford DL3T11000AA, DL3Z11002A, DL3Z11002AFC | **Lester** 19247 | **Mercedes-Benz** A6519060026 | **Nippondenso** 4280005510, 4280005511, 4380000410

99.1943.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**35.20**
IG Ø Interno do Dente	**24.15**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**50.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Civic (2013)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 4280008190

99.1944.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**53.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Máquina Agrícola / Agricultural Machine (4230 M790 1.3 30HP)

OEM *ORIGINAL*

Iskra 16907851, 72739187

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Agrale 7007010010005, 7007010018008 **| Iskra** 11131518, AZE2194

99.1945.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.95**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**44.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Saab 9-2x (H4 2.5L 2458cc, 2005~2006) **|** **Subaru** Forester (H4 2.5L 2458cc, 2003~2007), Forester (SG-EJ20 2.0 AWD 92kW EJ20, 2002~2005), Forester (SG-EJ20 2.0 S Turbo AWD 130kW, 2002~2005), Impreza (Estate-GG-EJ20 2.0 AWD 92kw EJ20, 2003~2005), Impreza (H4 2.5L 2458cc EJ251, 2004), Impreza (H4 2.5L 2458cc EJ253, 2005~2007), Impreza (H4 2.5L 2458cc EJ255, 2006~2007), Legacy IV (BL, BP-EJ20 2.0 AWD 101kW, 2003~2005), Legacy IV (Estate-BL, BP, B13_-EJ25 2.5 AWD 121kW, 2003~2005), Outback (BL, BP-EJ25D 2.5 AWD 121kw EJ25D, 2007~2008), Outback (BL, BP-EZ30 3.0 AWD 180kW, 2003~2009), Outback (BM, BR-EZ36D 3.6 R AWD 191kW, 2009~2011)

OEM *ORIGINAL*

Mitsubishi M191X18971 **|** **Subaru** 23312AA080

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M000T20171, M0T20171 **|** **Saab** 32006007 **|** **Subaru** 23300AA460

99.1946.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**46.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Colorado (L4 2.8L 171cid, 2016), S10 (L2 DD4, 2016~2017) **|** **GMC** Canyon (L4 2.8L 171cid, 2016)

OEM *ORIGINAL*

General Motors/Chevrolet 1608820544

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

General Motors/Chevrolet 24584626, 24585283, 24588465 **|** **Lester** 16046 **|** **Valeo** 1206997

99.1948.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**22.50**
IS Ø Interno da Estria	**20.00**
L Comprimento	**107.50**

Peça reforçada/Reinforced part/Pieza reforzada
Igual ao BZM 99.4972.0/Same as 99.4972.0 BZM/Igual que BZM 99.4972.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 938H **| John Deere** Escavadeira / Excavator / Excavadora 450C (LC), Motor marítimo / Marine engine, Pá Carregadeira / Wheel Loader / Pala Cargadora 824J (JD 13.5L 29HP Diesel), Pá Carregadeira / Wheel Loader / Pala Cargadora 824K (JD 13.5L 29HP Diesel), Pá Carregadeira / Wheel Loader / Pala Cargadora 844K (JD 13.5L 330HP Diesel) **| Nippondenso** Motor / Engine (P8 PLGR 24V 13T) **| Perkins** Motor marítimo / Marine engine (C6.6)

OEM *ORIGINAL*

Nippondenso 19050199

99.1949.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.48**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**19.45**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**41.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kia Picanto

OEM *ORIGINAL*

Vulko 19629

99.1950.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.69**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**18.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.50**
IS Ø Interno da Estria	**15.00**
L Comprimento	**42.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai I10 (1.2 57kW 78HP 1248cc, 2008~2015), I10 (1.2 63kW 86HP 1248cc, 2011~2015), I20 (1.2 57kW 78HP 1248cc, 2008~2015), I20 (1.2 63kW 86HP 1248cc, 2012~2015) **| Kia** Picanto

OEM *ORIGINAL*

Vulko 19656

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hyundai 3610003100 **| Kia** 3610003200, 3610003401 **| Lester** 30350 **| Valeo** 1250902, 26024242A

99.1951.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.20**

Peça reforçada/Reinforced part/Pieza reforzada
Igual ao BZM 99.9752.0/Same as BZM 99.9752.0/Igual que BZM 99.9752.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Motor estacionário para máquinas de cavaco de madeira / Stationary motor for wood chips machines / Motor estacionario para máquinas de virutas de madera **| Hurlimann** Trator / Tractor H345, Trator / Tractor H355, Trator / Tractor H358, Trator / Tractor H360, Trator / Tractor H470, Trator / Tractor H476, Trator / Tractor H480, Trator / Tractor H488 T, Trator / Tractor H490, Trator / Tractor H496, Trator / Tractor H5110, Trator / Tractor H6130, Trator / Tractor H6135, Trator / Tractor H6136, Trator / Tractor H6160, Trator / Tractor H6190 **| Lamborghini** Trator / Tractor 115, Trator / Tractor 135, Trator / Tractor 1356, Trator / Tractor 1556, Trator / Tractor 165, Trator / Tractor 190, Trator / Tractor 345, Trator / Tractor 573, Trator / Tractor 574, Trator / Tractor 654, Trator / Tractor 674, Trator / Tractor 684, Trator / Tractor 754, Trator / Tractor 774, Trator / Tractor 775, Trator / Tractor 874, Trator / Tractor R 613 DT, Trator / Tractor R 653 F, Trator / Tractor R 714 F **| Same** Trator / Tractor Antares 110, Trator / Tractor Antares 130, Trator / Tractor Aurora 45 **| Steyr Puch** 288, 290, 406, 50, 650, 658, 760, 768, 988

OEM *ORIGINAL*

Cargo 230280 **| Iskra** 16901752

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130179, 11130201, 11130414, 11130595, 11130626, 11130686, 11130692, 11130705, 11130710, 11130821, 11130861, 11130887, 11130895, 11131017, 11131085, 11131144, 11131236 **| Lester** 17258

99.1951.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

Peça reforçada/Reinforced part/Pieza reforzada
Igual ao BZM 99.9752.4/Same as BZM 99.9752.4/Igual que BZM 99.9752.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Motor estacionário para máquinas de cavaco de madeira / Stationary motor for wood chips machines / Motor estacionario para máquinas de virutas de madera **| Hurlimann** Trator / Tractor H345, Trator / Tractor H355, Trator / Tractor H358, Trator / Tractor H360, Trator / Tractor H470, Trator / Tractor H476, Trator / Tractor H480, Trator / Tractor H488 T, Trator / Tractor H490, Trator / Tractor H496, Trator / Tractor H5110, Trator / Tractor H6130, Trator / Tractor H6135, Trator / Tractor H6136, Trator / Tractor H6160, Trator / Tractor H6190 **| Lamborghini** Trator / Tractor 115, Trator / Tractor 135, Trator / Tractor 1356, Trator / Tractor 1556, Trator / Tractor 165, Trator / Tractor 190, Trator / Tractor 345, Trator / Tractor 573, Trator / Tractor 574, Trator / Tractor 654, Trator / Tractor 674, Trator / Tractor 684, Trator / Tractor 754, Trator / Tractor 774, Trator / Tractor 775, Trator / Tractor 874, Trator / Tractor R 613 DT, Trator / Tractor R 653 F, Trator / Tractor R 714 F **| Same** Trator / Tractor Antares 110, Trator / Tractor Antares 130, Trator / Tractor Aurora 45 **| Steyr Puch** 288, 290, 406, 50, 650, 658, 760, 768, 988

OEM *ORIGINAL*

Cargo 230280 **| Iskra** 16901752

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130179, 11130201, 11130414, 11130595, 11130626, 11130686, 11130692, 11130705, 11130710, 11130821, 11130861, 11130887, 11130895, 11131017, 11131085, 11131144, 11131236 **| Lester** 17258

99.1952.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**28.40**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**83.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Colheitadeira / Combine / Cosechadora 6610 (6076 7.6L Diesel, 1992~1995), Colheitadeira / Combine / Cosechadora 6810 (Cummins NTA-855 14.0L Turbo Diesel, 1992~1997), Colheitadeira / Combine / Cosechadora 6910 (6068HT 6.8L Turbo Diesel, 1997~2001), Colheitadeira / Combine / Cosechadora 6910 (Cummins NTA-855 14.0L Turbo Diesel, 1992~1997), Trator / Tractor 6505 (6068D 6.8L Diesel), Trator / Tractor 6510 (4045T 4.5L Turbo Diesel, 1998~2001), Trator / Tractor 6510L (4045T 4.5L Turbo Diesel, 1998~2001), Trator / Tractor 6510S (4045T 4.5L Turbo Diesel, 1998~2001), Trator / Tractor 6520 (4045T 4.5L Turbo Diesel, 2002~2005), Trator / Tractor 6520 Premium (6068 6.8L Diesel, 2001~2006), Trator / Tractor 6520L (4045T 4.5L Turbo Diesel, 2002~2005), Trator / Tractor 6520L (6068HT 6.8L Turbo Diesel, 2002~2007), Trator / Tractor 6520SE (4045T 4.5L Turbo Diesel, 2002~2005), Trator / Tractor 6520SE (6068HT 6.8L Turbo Diesel, 2002~2007), Trator / Tractor 6610 (6076 7.6L Diesel, 1992~1995), Trator / Tractor 6610SE (6068T 6.8L Turbo Diesel, 1997~2002), Trator / Tractor 6620 (6068T 6.8L Turbo Diesel, 2002~2005), Trator / Tractor 6715 (6068T 6.8L Turbo Diesel, 2002~2005), Trator / Tractor 6820 (6068H 6.8L Turbo Diesel, 1997~2005), Trator / Tractor 6910 (6068HT 6.8L Turbo Diesel, 1997~2001), Trator / Tractor 6910 (Cummins NTA-855 14.0L Turbo Diesel, 1992~1997), Trator / Tractor 6910S (6068T 6.8L Turbo Diesel, 1997~2001), Trator / Tractor 6920S (6068 6.8L Diesel, 2002~2008), Trator / Tractor 7220 (6068H 6.8L Turbo Diesel, 2002~2006), Trator / Tractor 7320 (6068H 6.8L Turbo Diesel, 2002~2006), Trator / Tractor 7420 (6.8L, 1994~2017), Trator / Tractor 7520 (6531T 8.7L Turbo Diesel, 1994~1998), Trator / Tractor 8870 (6068T 6.8L Turbo Diesel, 1997~2001)

OEM *ORIGINAL*

Bosch 6033AD0267, 6033AD3106 | **John Deere** RE503358

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001230002 | **John Deere** AL81154, RE50326 | **Lester** 18361

99.1964.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.05**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**23.70**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**13.15**
IS Ø Interno da Estria	**11.50**
L Comprimento	**95.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (1.5 Transmissão Manual / Manual Transmisión / Transmisión Manual, 2017~2020), Ka (Hatch 1.5L Dragon TIVCT 12v Flex Transmissão Manual / Manual Transmisión / Transmisión Manual 5 velocidades / velocities-Modelo / model MX65, 2018~2020), Ka (Sedan 1.5L Dragon TIVCT 12v Flex Transmissão Manual / Manual Transmisión /

Transmisión Manual 5 velocidades / velocities-Modelo / model MX65, 2018~2020)

OEM *ORIGINAL*

Bosch 1006201510, 1006212003, 1006485025

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001194602, 0001194603, 0399709049, 0399709050, F000C60302, F000C60303, F002FC0014, F002GC0044, F002GC0045 **| Ford** GN1511000AA, J7BT11000AA

99.1966.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.18**
G Ø Externo do Dente	**37.10**
IG Ø Interno do Dente	**26.60**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**12.60**
IS Ø Interno da Estria	**10.90**
L Comprimento	**95.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet Onix (1.0, 2020), Onix (1.0 Turbo, 2020), Tracker (1.0, 2020), Tracker (1.2 Turbo, 2020)

OEM *ORIGINAL*

Bosch 1006212003, 1006485042

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001192091 **| General Motors/Chevrolet** 55514718, 914778233

99.1967.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.33**
G Ø Externo do Dente	**27.80**
IG Ø Interno do Dente	**21.16**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**13.15**
IS Ø Interno da Estria	**11.50**
L Comprimento	**95.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat 500 (1.0), 500 (1.2 Motor C60M), Panda (1.0), Panda (1.2 Motor C60M)

OEM *ORIGINAL*

Bosch 1006201048, 1006212003, 1006485045

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001192082, 0001192083 **| Fiat** 51974929

99.1968.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.30**
G Ø Externo do Dente	**34.50**
IG Ø Interno do Dente	**25.00**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**12.60**
IS Ø Interno da Estria	**10.90**
L Comprimento	**101.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Argo (1.0 Firefly, 2017→), Argo (1.3 Firefly, 2017→), Cronos (1.3 Firefly, 2018→), Uno (1.0 Flex Firefly, 2016→), Uno (1.3 Flex Firefly, 2016→), Uno (1.3 Way Firefly, 2018→)

OEM *ORIGINAL*

Bosch 1006201037, 1006212020, 1006485019

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001194019, 0001194020 **| Fiat** 52033810

99.1969.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**32.70**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**10.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**12.60**
IS Ø Interno da Estria	**10.90**
L Comprimento	**103.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport (1.5 Transmissão Automática / Automatic Transmission / Transmisión Automática, 2017~2020), Ka (1.5L Dragon TIVCT 12v-Transmissão Automática / Automatic Transmission / Transmisión Automática 6 velocidades / velocities-6F15, 2018~2020)

OEM *ORIGINAL*

Bosch 1006201026, 1006212020, 1006485026

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0399709051, 0399709052, F000C60304, F000C60305, F002GC0046, F002GC0047 **| Ford** GN1511000BA

99.1974.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**15**
2T Dois Dentes	**10.45**
G Ø Externo do Dente	**38.00**
IG Ø Interno do Dente	**29.50**
ID Ø da Bucha	**04.85**
CW-CCW Sentido	**CW**
D Ø da Capa	**43.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**13.90**
IS Ø Interno da Estria	**11.30**
L Comprimento	**101.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Fiat Mobi (1.0 3 cil / cyl GSE, 2017→), Strada (1.3 4 cil / cyl GSE, 2020→)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Fiat 00520326190 | **Nippondenso** 4380003370

99.1976.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	**16.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**44.10**

Igual ao BZM 99.4963.0/Same as 99.4963.0 BZM/Igual que BZM 99.4963.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chery Tiggo (2.0 16v, 2009→)

OEM *ORIGINAL*

GNR S520001

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chery B113708110BA, QDY1201

99.1977.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**56.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lifan X60 (1.8L, 2013) **| Prestolite** Serie M74R

OEM *ORIGINAL*

Prestolite 35263275

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lifan LFB479Q3708100A, QDY1203 **| Prestolite** 35263380

99.1979.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**18.75/34.80**
IG Ø Interno do Dente	**17.15/21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**34.80**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

ABG Alexander, BV 590, MAW, Puma, Rolo Compressor / Steamroller / Apisonadora, VAS, WZ **| Agco Allis** Trator / Tractor 9130, Trator / Tractor 9150 **| Agco Gleaner** Colheitadeira / Combine / Cosechadora R40, Colheitadeira / Combine / Cosechadora R42, Colheitadeira / Combine / Cosechadora R50, Colheitadeira / Combine / Cosechadora R52 **| Atlas** 1202, 1252, AR51BE, AR61A, AR70, AS81, AT710, Compressor / Compresor XAMS, Compressor / Compresor XAS, Compressor / Compresor XATS **| Atlas Copco** ST35, ST48, ST71, ST95, STS35, STS48, STS71, VSS250 **| Bobcat** Pá Carregadeira / Wheel Loader / Pala Cargadora L863, Pá Carregadeira / Wheel Loader / Pala Cargadora L873 **| Bomag** BW 211, Pavimentadora / Paver BF600, Pavimentadora / Paver BF700, Pavimentadora / Paver BF800, Pavimentadora / Paver BF900, Rolo Compactador / Aplanadora / Road Roller BW211, Rolo Compactador / Aplanadora / Road Roller BW212, Rolo Compactador / Aplanadora / Road Roller BW213, Rolo Compactador / Aplanadora / Road Roller BW216, Rolo Compactador / Aplanadora / Road Roller BW218, Rolo Compactador / Aplanadora / Road Roller BW24, Rolo Compactador / Aplanadora / Road Roller BW25, Rolo Compactador / Aplanadora / Road Roller BW27, Rolo Compressor / Steamroller / Apisonadora BW141, Rolo Compressor / Steamroller / Apisonadora BW161, Rolo Compressor / Steamroller / Apisonadora BW190, Rolo Compressor / Steamroller / Apisonadora BW191, Rolo Compressor / Steamroller / Apisonadora BW202, Rolo Compressor / Steamroller / Apisonadora BW203, Rolo Compressor / Steamroller / Apisonadora BW211 **| Claas** 926, 935, 936, 946, Colheitadeira / Combine / Cosechadora 6030, Colheitadeira / Combine / Cosechadora 7055, Colheitadeira / Combine / Cosechadora 75R, Colheitadeira / Combine / Cosechadora 9055 **| Clayson** 1520, 1530, 1540 **| Deutz** Motor **| Ditch Witch** Máquinas / Machines **| Euromacchine** Bomba Motorizada / Motobomba / Motor Pump **| Fahr** Motor **| Fendt** Tratores / Tractors **| Hamm**

Máquinas / Machines **|** **Haulotte** Guindaste / Crane / Grúa **|** **Ingersoll Rand** Compressor / Compresor **|** **International Harvester** Motores / Engines **|** **Iveco** Caminhão / Truck / Camión 110, Caminhão / Truck / Camión 130, Caminhão / Truck / Camión 80, Caminhão / Truck / Camión 90 **|** **JCB** 409 **|** **Kramer** 312, 3307, 400, 4009, 4507, 500, 880, KL54 **|** **Lamborghini** Trator / Tractor R3.TB 100, Trator / Tractor R3.TB 85, Trator / Tractor R6. 100, Trator / Tractor R6. 120 **|** **Liebherr** Escavadeira / Excavator / Excavadora A901B, Escavadeira / Excavator / Excavadora A911, Escavadeira / Excavator / Excavadora A921, Escavadeira / Excavator / Excavadora R911, Escavadeira / Excavator / Excavadora R921 **|** **Linde** Empilhadeira / Forklift / Apiladora H25D **|** **Magirus-Deutz** M130, M160 **|** **Matrot** Máquinas / Machines **|** **Merlo** 3513 **|** **Minsk** Trator / Tractor Belarus **|** **Putzmeister** Máquina de Concreto / Concrete Machine / Máquina de Hormigón **|** **Same** Trator / Tractor Iron 180.7 **|** **Sandvik** DS310 **|** **Schaeffer** F3L912 **|** **Schwing** Máquina de Concreto / Concrete Machine / Máquina de Hormigón **|** **Sennebogen** Guindaste / Crane / Grúa **|** **Vermeer Den Ouden** Máquinas / Machines V4150 **|** **Vetus** Motores / Engines **|** **Wacker Neuson** Pá Carregadeira / Wheel Loader / Pala Cargadora **|** **Weycor** Máquinas / Machines

OEM *ORIGINAL*

Iskra 16904625 **|** **Mahle** MSX724

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130728, 11130841, 11130842, 11131829, 11132066, 11132194, AZF4220, AZF4229, AZF4286, AZF4329, AZF4507, AZF4514, AZF4515, IS0841 **|** **Mahle** MS141, MS199, MS232, MS429, MS446, MS67

99.1981.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**26.10**
L Comprimento	**49.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Qashqai (1.6, 2013→), X-Trail (1.6 T32R, 2014~2016), X-Trail (1.6 T32RR, 2016→) **|** **Renault** Captur (1.5, 2013→), Clio (1.5, 2016→), Dokker (1.2, 2012~2015), Dokker (1.3, 2019→), Dokker (1.5, 2018→), Dokker (1.6, 2015→), Duster (1.5, 2018→), Espace (1.6, 2015→), Grand Scenic (1.5, 2016→), Kadjar (1.5, 2015→), Kangoo (1.5, 2015→), Megane (1.5, 2011~2016), Megane (1.5 Hatchback, 2011~2016), Megane (1.6 Grandtour, 2015→), Scenic (1.5, 2010~2016), Talisman (1.6, 2015→)

OEM *ORIGINAL*

Bosch 1006210331

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001170604, 0001170605, 0001170606, 0001170607, 0001170616, 0001170617, 0001170620, 0001170621, 0001170622, 0001170623, 0001170624, 0001170625, 0001170628, 0001170629, 0001170632, 0001170633, 0001170634, 0001170635, 0001170636, 0001170637, 0001170638, 0001170639, 0001170646, 0001170647 **|** **Nissan** 203005776R, 231004GD3A, 2330000Q2E, 233000379R, 233001379R, 233001596R, 233003131R, 233003359R, 233004682R, 233004868R, 233005513R, 233007224R, 233008131R **|** **Renault** 231004GD3A, 233000379R, 233000686R, 233001379R, 233001596R, 233003131R, 233003359R, 233003759R, 233004682R, 233004868R, 233005513R, 233005776R, 233007224R, 233008131R

99.1982.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.49**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**49.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C3 (1.6, 2014~2016), C4 (1.6, 2014→), DS3 (1.6, 2013~2015), DS4 (1.6, 2013~2015), DS5 (1.6, 2015→), Jumpy (1.6, 2017→), SpaceTourer (1.6, 2016→) | **Opel** Combo (1.6, 2018→), Crossland X (1.6, 2017→), Grandland X (1.6, 2017→) | **Peugeot** 2008 (1.6, 2014→), 208 (1.6, 2014→), 3008 (1.6, 2014→), 5008 (1.6, 2017→), 508 (1.6, 2014~2018), Expert (1.6, 2016→), Partner (1.6, 2014→), Rifter (1.6, 2018→), Traveller (1.6, 2016→)

OEM *ORIGINAL*

Bosch 1006210321

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001174600, 0001174601 | **Citroën** 9675660680 | **Lester** 30839 | **Opel** 3640268 | **Peugeot** 9675660680 | **Vauxhall** 3640268

99.1983.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11/22**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**35.00**
IG Ø Interno do Dente	**24.70**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**56.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 114 (1.5, 2015→), 116 (1.5, 2015→), 118 (1.5, 2015→), 120 (2.0, 2016→), 125 (2.0, 2016→), 218 (1.5, 2015→), 220 (2.0, 2016→), 230 (2.0, 2015→), 318 (1.5, 2015→), 320 (1.6, 2015→), 320 (2.0, 2015→), 330 (2.0, 2016→), 418 (1.5, 2015→), 420 (2.0, 2016→), 430 (2.0, 2016→), 520 (1.6, 2017→), 520 (2.0, 2017→), 530 (2.0, 2017→), 630 (2.0, 2017→), 730 (2.0, 2015→), X3 (1.6, 2017→), X3 (2.0, 2017→), X4 (2.0, 2018→)

OEM *ORIGINAL*

Bosch 1006210505

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

BMW 12418621838, 12418621839, 12418621866, 8621839, 8621866 | **Bosch** 0001170202, 0001170203, 0001170602, 0001170603 | **Steyr Fahrzeugtechnik** 862183904, 862183905

99.1984.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**10.67**
G Ø Externo do Dente	**34.65**
IG Ø Interno do Dente	**25.45**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**16.10**
L Comprimento	**56.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 214 (1.5, 2015~2018), 216 (1.5, 2015→), 218 (1.5, 2014→), 218 (2.0, 2014→), 220 (2.0, 2014→), 225 (2.0, 2014→), X1 (2.0, 2015~2018) | **Mini** Cooper (1.5, 2014→), Cooper (2.0, 2014→), One (1.2, 2015~2017), One (1.5, 2015~2017)

OEM *ORIGINAL*

Bosch 1006210316

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

BMW 12417649090, 12418570848 | **Bosch** 0001170200, 0001170201, 0001172204, 0001172205 | **Lester** 31384

99.1992.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**54.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Detroit D700 (Diesel) | **Deutz** Vários modelos / Various models | **John Deere** 100F (3.0), 76F (2.7), 85F (2.7) | **KHD** Vários modelos / Various models | **VM Motori** Motores Industriais / Industrial Motors (2008~2016)

OEM *ORIGINAL*

Bosch 1006210103, 1006210185

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001109355, 0001109356, 0001109357, 0001109358, 0001109359, 0001109360, 0001109369, 0001109460 | **KHD** 01181751, 01182124, 01182382, 01182384 | **Lester** 16008, 19823, 30343 | **Lombardini** 58400960, 58402610, 58402680 | **VM Motori** 35532063F, 35532064F

99.1996.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**18**
2T Dois Dentes	
G Ø Externo do Dente	**18.60**
IG Ø Interno do Dente	**16.80**
ID Ø da Bucha	**24.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**20.90**
IS Ø Interno da Estria	**18.30**
L Comprimento	**129.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hino NP700

99.1997.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.63**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**18.50**
ID Ø da Bucha	**12.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.50**
IS Ø Interno da Estria	**13.50**
L Comprimento	**44.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Renault Kwid (1.0 3 cil / cyl, 2016→), Logan (1.0 3 cil / cyl, 2016→), Sandero (1.0 3 cil / cyl, 2016→)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Comstar 9ET0066AI | **Renault** 233006904R

99.1998.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	
ID Ø da Bucha	**11.02**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.90**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**43.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Isuzu D-Max (1.9 DDI, 2017→), D-Max (1.9 DDI 4x4, 2017→)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Isuzu 8982482712 **| Nippondenso** 4380002660, TG4380002660

99.2000.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	
G Ø Externo do Dente	**16.80**
IG Ø Interno do Dente	**13.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**56.00**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**20.90**
IS Ø Interno da Estria	**18.50**
L Comprimento	**91.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Canter (4M40 2.8 TD, 1996~2015), Canter (4M42 3.0 TDI, 2000~2015), Galant VI (4M40T 2.8 TD, 1996~2001), Montero (4M41 3.2 DI-D, 2000~2015), Pajero II (4M40 2.8 TD, 1995~2000), Pajero II (4M40T 2.8 TD, 1994~1999), Pajero III (4M41 3.2 DI-D, 2000~2001), Pajero III (4M41 3.2 DI-D, 2000~2006), Pajero III (4M41 3.2 DI-D, 2000~2015), Pajero III (Off-Road 4M41 3.2 D, 2000~2006), Pajero III (Off-Road 4M41 3.2 DI-D, 2000~2006), Pajero III (Off-Road 4M41 3.2 DI-D, 2001~2006), Pajero IV (4M41 3.2 DI-D, 2007), Pajero IV (4M41 3.2 DI-D, 2007~2015), Pajero IV (4M41 3.2 DI-D, 2009), Pajero IV (4M41 3.2 TD, 2010), Shogun (4M41 3.2 DI-D, 2000~2015)

OEM *ORIGINAL*

Mitsubishi M191X94271

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lester 30026, 31241 **| Mitsubishi** M008T75071, M008T75071A, M008T75971, M008T80471, M008T80471A, M008T80472, M008T80472A, M00E193880, M8T75071, M8T75971, ME224424A

99.2001.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**10.10**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**14.40**
IS Ø Interno da Estria	**10.90**
L Comprimento	**41.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Citroën C3 (1.2 Puretech, 2018→) **| Peugeot** 208 (1.2 Puretech, 2018→)

OEM *ORIGINAL*

Valeo 501428

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Citroën 9688477380 | **Peugeot** 9688477380 | **Valeo** 501435, TSC1018

99.2002.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.65**
G Ø Externo do Dente	**32.20**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**21.90**
L Comprimento	**69.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Iveco Daily (2.5, 1996~2007), Daily (2.8, 1996~2007)

OEM *ORIGINAL*

Valeo 188729, 594628

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iveco 42498138, 42498149, 42498505, 471169, 4719664, 475930, 479664, 4807374, 4856056, 77028560, 99451753 | **Lester** 19794 | **Valeo** 438169, D7R61

99.2003.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**60.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Caminhão / Truck / Camión (Cummins B 5.9 12v), Caminhão / Truck / Camión (Power Stroke V8 7.3 12v), Motor Cummins (ISB02 5.8 12v) | **Freightliner** Caminhão / Truck / Camión Navistar (V8 7.3 12v) | **John Deere** Trator / Tractor (6 cil / cyl 12v) | **Prestolite** Serie M100R

OEM *ORIGINAL*

Prestolite 35260835

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35259200, 35259290, 35259550, 35260850, 35260860, 35261110

99.2004.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10/18**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**12.80/37.80**
IG Ø Interno do Dente	**11.45/25.55**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**5**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**13.40**
L Comprimento	**100.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Hilux (2.8, 2015→), Hilux (3.0, 2015→)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 281000L180, 4380001790, TG4380001790

99.2005.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**10.18**
G Ø Externo do Dente	**29.20**
IG Ø Interno do Dente	**21.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CCW**
D Ø da Capa	**21.50**
SPL Número de Estrias	**4**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**14.60**
L Comprimento	**81.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Audi A1 (1.6 TDI, 2010~2016), A3 (1.6 TDI, 2009~2016) | **Seat** Altea (1.6 TDI, 2010~2016), Ibiza (1.2 TDI, 2010~2016), Ibiza (1.6 TDI, 2009~2016), Leon (1.6 TDI, 2010~2012), Toledo (1.6 TDI, 2013) | **Skoda** Fabia (1.2 TDI, 2010~2016), Fabia (1.6 TDI, 2010~2016), Octavia (1.6 TDI, 2009~2016), Rapid (1.6 TDI, 2012~2016), Roomster (1.2 TDI, 2010~2016), Roomster (1.6 TDI, 2010~2016), Superb (1.6 TDI, 2010~2016) | **Volkswagen** Beetle (1.6 TDI, 2011), Caddy (1.6 TDI, 2010~2016), California T5 (2.0 TDI, 2009~2016), Caravelle T6 (2.0 TDI, 2015~2016), Golf (1.6 TDI, 2009~2016), Golf (2.0 TDI, 2008~2016), Jetta (1.6 TDI, 2011~2016), Jetta (2.0 TDI, 2010), Multivan T5 (2.0 TDI, 2009~2016), Passat (2.0 TDI, 2008~2010), Polo (1.2 TDI, 2009~2016), Polo (1.6 TDI, 2009~2016), Touran (1.6 TDI, 2010~2016), Touran (2.0 TDI, 2010~2016), Transporter T5 (2.0 TDI, 2009~2016)

OEM *ORIGINAL*

Valeo 595622

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Audi 02Z911023K, 02Z911023KX, 02Z911023M, 02Z911023MX, 02Z911023N, 02Z911023NX, 02Z911023P, 02Z911023PX, 02Z911024K, 02Z911024KX | **Lester** 30210 | **Valeo** 438225, 458389, 458714, TS18ER121, TS18ER21 | **Volkswagen** 02Z911023K, 02Z911023KX, 02Z911023M, 02Z911023MX, 02Z911023N, 02Z911023NX, 02Z911023P, 02Z911023PX, 02Z911024K, 02Z911024KX

99.2007.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	
G Ø Externo do Dente	**41.00**
IG Ø Interno do Dente	
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.40**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**75.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Basak 2075 (3.1 BT40845T3), Trator / Tractor (2.3 3 cil / cyl) **|** **Hatz** 2L41C (1.7 2 cil / cyl), 2M41 (1.7 2 cil / cyl), 3L41C (2.6 3 cil / cyl), 3M41 (2.6 3 cil / cyl), 4M41 (3.4 4 cil / cyl), 4M42 (3.4 4 cil / cyl), 4M43 (3.4 4 cil / cyl), Serie M (1.7 2 cil / cyl), Serie M (2.6 3 cil / cyl), Serie M (3.4 4 cil / cyl), Silent Pack (3.4 4 cil / cyl) **|** **Huedig** SDVA200 (3.4 4L41C) **|** **Lombardini** LDW 1503 M (1.6, 1996→), LDW 2004 M (2.1, 1996→), LDW 2004 TBI (2.1, 1996→) **|** **Selwood Pumps** 4L41C (3.4), HSP20 (1.7), HSP35 (2.6) **|** **Turbosol** Bomba de Concreto / Concrete Pump (2.6 TB30)

OEM *ORIGINAL*

Iskra 16912783 **|** **Mahle** MSX1162

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11131820, 11131828, 11132154, 11132182, 11132389, 11132391, AZE4182, AZE4184, AZE4239, AZE4254, AZE4285, AZE4286, IS1442, IS1457 **|** **Mahle** MS223, MS647, MS725, MS726

99.2009.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**52.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Alpin Makine Track Loader (2.2 Serie M) **|** **Atlas** AR (1.5 30), AR (1.5 35 Super), AR (1.5 40) **|** **Atlas Copco** QLT H40 **|** **BBA** Serie BA (2.2 BA100, D265) **|** **Bomag** BF223C (2.2) **|** **Caterpillar** Motor (2.2) **|** **Dynapac** Rolo Compressor / Steamroller / Apisonadora (1.1 CC1000), Rolo Compressor / Steamroller / Apisonadora (1.1 CC800), Rolo Compressor / Steamroller / Apisonadora (1.1 CC900), Rolo Compressor / Steamroller / Apisonadora (1.1 CC900G), Rolo Compressor / Steamroller / Apisonadora (1.1 CC900S) **|** **Engineering SRL** Gerador / Generator / Generador (1.5, EPS 16, 51), Gerador / Generator / Generador (2.2 EPS 224) **|** **JCB** Escavadeira / Excavator / Excavadora 9030 ZTS, Pá Carregadeira Compacta / Compact Wheel Loader / Pala Cargadora Compacta (2.2 180T, HF), Pá Carregadeira Compacta / Compact Wheel Loader / Pala Cargadora Compacta (2.2 190T, HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 160), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 160 WM), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 170 HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 180 HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 180T / HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 190T / HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 ICX, HF), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 MIDI CXCM), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 MIDI CXSS), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2

TLT25), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 TLT30), Pá Carregadeira / Wheel Loader / Pala Cargadora (2.2 TLT30WM), Pá Carregadeira / Wheel Loader / Pala Cargadora 520-40 (2.2), Pá Carregadeira / Wheel Loader / Pala Cargadora 520-40 AGRI, Pá Carregadeira / Wheel Loader / Pala Cargadora 520-40 WM, Pá Carregadeira / Wheel Loader / Pala Cargadora 524-50 **| Jungheinrich** Empilhadeira / Forklift / Apiladora DFG316, Empilhadeira / Forklift / Apiladora DFG316S, Empilhadeira / Forklift / Apiladora DFG320, Empilhadeira / Forklift / Apiladora DFG320S **| Magni** Empilhadeira / Forklift / Apiladora (2.2 Ricklift 13) **| Manitou** Plataforma aérea / Aerial platform (2.2 160 ATJ) **| Mosa** GE (1.5, 15PSX EAS), GE (2.2, 20PSX EAS), TS (2.2, 400 PS BC), TS (2.2, 500 PS BC 60hZ) **| Perkins** 103-13 (1.3), 103-15 (1.3), 104-19 (2.0), 104-22 (2.2) **| Sandvik** DC120 (2.2)

OEM *ORIGINAL*

Iskra 16907267 **| Mahle** MSX1277

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11131265, 11131267, 11131419, AZE2155, AZE2156, AZE2178, IS1101 **| JCB** 71435600, 71440482 **| Jungheinrich** 19960488, 19960489, 50027532 **| Lester** 18949 **| Lucas Indiel** LRS01580 **| Magneti Marelli** 63521090350 **| Mahindra** MS86 **| Mahle** MS241 **| Perkins** 185086600, P30DC03A, U5MK8260, U85086770 **| Prestolite** 20513016 **| Steinbock** 8157761

99.2012.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.62**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrifull 100 (5.4 DT, 1985→), 110 (5.9 DT, 1986→), 140 (5.9 DT, 1985→), 90 (4.9 DT, 1985→) **| Fiat** 100 (5.4, 1984→), 110 (5.9, 1984→), 1100 (TN), 115 (5.9, 1984→), 115.9, 1180 (5.5, 1980~1983), 120 (1984→), 1280 (5.5, 1981~1983), 130 (5.9, 1984→), 130 (8.1, 1981→), 1380 (5.5, 1980~1983), 140 (1985~1988), 1400 (5.9, 1984→), 1580 (8.0, 1981~1983), 1580 (8.0 Turbo, 1983), 160 (8.1, 1984→), 180 (8.1, 1984→), 1880 (8.0, 1980~1983), 880 (4.6, 1982~1984), 90 (4.9, 1984→), 95 (4.9, 1984→), 955 (4.6 C, 1981~1984), 980 (5.2 DT, 1980~1984) **| Fiatagri** Laverda 3700 (8.1, 1983~1985), Laverda 3790 (8.1, 1985), Laverda 3850 (8.1, 1985~1991), Laverda 3890 (8.1, 1986) **| Iveco** 160 (8.1 A13FL, 1983~1984), Aifo 8361 (8.0, 1992→), Aifo 8361 (8.1, 1978~1990), Aifo 8361 (8.1, 1980~1983), Euro 110 (5.9, 1987~1988), Euro 120 (5.9, 1987~1988), Euro 220 (5.9, 1987~1988), Euro 220T (5.9, 1987~1988), Euro 230T (5.9, 1987~1988), Euro 335T (5.9, 1987~1988), Euro 340T (5.9, 1987~1988), Euro 435T (5.9, 1987~1988), Euro 450T (5.9, 1987~1988), Euro Turbo (6.0, 1988~1990) **| New Holland** 8000 (8430 5.9, 1994), 8000 (8630 8.1, 1994), 8000 (8830 8.1, 1994)

OEM *ORIGINAL*

Iskra 16911712 **| Mahle** MSX977

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11131452, 11132325, AZF4121, AZF4362, IS1434 **| Mahle** MS176, MS248

99.2015.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**27.00**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**17.30**
IS Ø Interno da Estria	**15.50**
L Comprimento	**99.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Nissan Patrol (4.2 Diesel, 1987~1998)

OEM *ORIGINAL*

Hitachi 22403550 | **Nissan** 2335410T00

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S13118, S13118A | **Lester** 30050 | **Nissan** 2330006J00, 2330006J03

99.3933.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.62**
G Ø Externo do Dente	**36.20**
IG Ø Interno do Dente	**22.55**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**62.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.30**
L Comprimento	**85.50**

OEM *ORIGINAL*

Delco Remy 10503933

99.4498.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**81.80**

Original 5 estrias, reforçada para 10 estrias/5-splines original, reinforced to 10-splines/Original de 5 estrías, reforzada para 10 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Effa Motors Hafei Ruiyi Pick Up

99.4950.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**31.40**
IG Ø Interno do Dente	**21.80**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CCW**
D Ø da Capa	**41.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**53.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dynapac Rolo Compressor / Steamroller / Apisonadora CC900

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda Especial/Special

99.4952.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**13.10**
CW-CCW Sentido	**CCW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**60.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Branco Motor Estacionário / Stationary Motor / Motor Estacionario

99.4959.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**10.52**
G Ø Externo do Dente	**32.50**
IG Ø Interno do Dente	**19.55**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.10**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.70**
IS Ø Interno da Estria	**14.65**
L Comprimento	**39.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Hyundai HR100 (Remy Korea 36000-4A)

99.4961.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**12.85**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**18.22**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**52.10**

OEM *ORIGINAL*

DBA Australia 140906

99.4962.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**76.50**

Peça reforçada/Reinforced part/Pieza reforzada

OEM *ORIGINAL*

Especial/Special 00-254

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra Especial/Special

99.4963.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.65**
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	**16.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**8**
ES Ø Externo da Estria	**17.40**
IS Ø Interno da Estria	**14.70**
L Comprimento	**44.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Chery Tiggo (2.0 16v, 2009→)

OEM *ORIGINAL*

GNR S520001

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Chery B113708110BA, QDY1201

99.4966.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**70.00**

99.4967.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**66.00**

99.4968.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.85**
G Ø Externo do Dente	**33.50**
IG Ø Interno do Dente	**23.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**12(6)**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**66.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Land Rover Especial / Special (2008)

99.4969.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**21.90**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**14**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.70**
L Comprimento	**64.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Atlas Copco Especial / Special **|** **Bomag** Especial / Special **|** **Dynapac** Especial / Special **|** **Terex** Especial / Special

99.4970.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**46.90**

Igual ao BZM 99.1871.0/Same as 99.1871.0 BZM/Igual que BZM 99.1871.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford EcoSport, Edge, Fiesta, Focus (2010→), Fusion, Taurus

OEM *ORIGINAL*

Arrowhead SFD5027

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Ford 6S4T11000AA, 6S4Z11V002AARM, 8S4711000AA, BB5T11000AA, DU2Z11V002BRM, DU2Z11V002DRM, DU2Z11V002FARM **|** **Motorcraft** SA1057RM, SA934, SA999RM

99.4971.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.70**
G Ø Externo do Dente	**42.45**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**54.00**
SPL Número de Estrias	**9**
ES Ø Externo da Estria	**16.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**84.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Volvo Marítimo / Marine

OEM *ORIGINAL*

Valeo CARD 41, CARD 42, CARD 43

99.4972.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**46.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**17.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**72.00**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**22.50**
IS Ø Interno da Estria	**20.00**
L Comprimento	**107.50**

Peça reforçada/Reinforced part/Pieza reforzada
Igual ao BZM 99.1948.0/Same as 99.1948.0 BZM/Igual que BZM 99.1948.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 938H | **John Deere** Escavadeira / Excavator / Excavadora 450C (LC), Motor marítimo / Marine engine, Pá Carregadeira / Wheel Loader / Pala Cargadora 824J (JD 13.5L 29HP Diesel), Pá Carregadeira / Wheel Loader / Pala Cargadora 824K (JD 13.5L 29HP Diesel), Pá Carregadeira / Wheel Loader / Pala Cargadora 844K (JD 13.5L 330HP Diesel) | **Nippondenso** Motor / Engine (P8 PLGR 24V 13T) | **Perkins** Motor marítimo / Marine engine (C6.6)

OEM *ORIGINAL*

Nippondenso 19050199

99.4974.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.40**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**21.60**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**50.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Aro 10 (1.9 D), 10 (1.9 TD) | **Citroën** Berlingo, C2, C3, C4, C5, DS3, Xsara | **Opel** Arena (1.9 D) | **Peugeot** 206, 207, 208, 304, 407 | **Renault** 19, Clio, Espace, Kangoo, Laguna, Megane, Rapid Box, Scenic (1.9 D), Thalia, Trafic Box | **Suzuki** Jimny (SJ) (1.9 TD), Samurai (SJ) (1.9 TD)

OEM *ORIGINAL*

Cargo 234086 | **Valeo** 188595, 191448, 594382, 594554

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Valeo D6RA101, D6RA104, D6RA105, D6RA110, D6RA115

99.4975.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**32.00**
IG Ø Interno do Dente	**22.15**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**50.70**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**17.90**
IS Ø Interno da Estria	**14.90**
L Comprimento	**48.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mahindra Scorpio

99.4976.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**12.53**
G Ø Externo do Dente	**37.20**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.50**
IS Ø Interno da Estria	**16.80**
L Comprimento	**80.50**

Igual ao BZM 99.1881.0/Same as 99.1881.0 BZM/Igual que BZM 99.1881.0
Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Liugong Pá Carregadeira / Wheel Loader / Pala Cargadora 835 (Maxxor XCMG ZL30H SLDG 938)

OEM *ORIGINAL*

Prestolite M93R3001SE

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Cummins 4948058, C4948058 | **Deutz** 13028386 | **Prestolite** M93R3001SE, M93R3013SE

99.4978.0

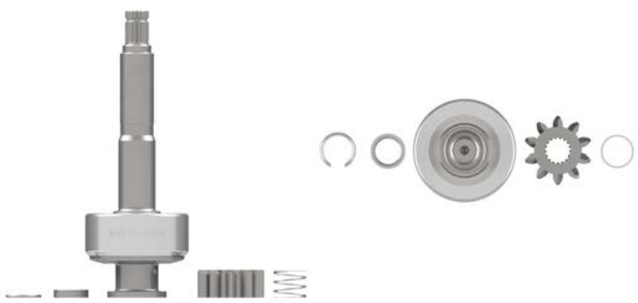


DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**17**
ES Ø Externo da Estria	**14.90**
IS Ø Interno da Estria	**13.10**
L Comprimento	**16.40**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.4979.0 / Applied on 99.4979.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.4979.0

99.4979.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**17/10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**14.10/40.00**
IG Ø Interno do Dente	**12.60/27.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**165.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar 3216 (7.2 F650), Blue Diamond USA | **Ford** Trator / Tractor | **John Deere** Colheitadeira / Combine / Cosechadora, Trator / Tractor 6600, Trator / Tractor 6605, Trator / Tractor 7505 | **New Holland** Trator / Tractor 660

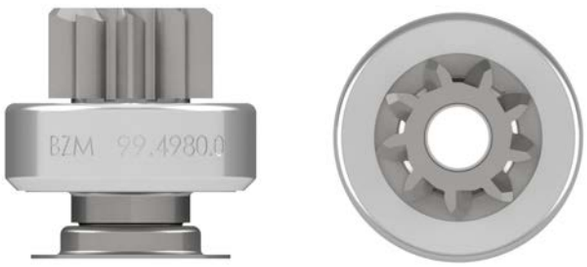
OEM *ORIGINAL*

Prestolite K01555

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Prestolite 35260900, 35260910, 35261345

99.4980.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**11.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**45.30**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**14.60**
IS Ø Interno da Estria	**11.90**
L Comprimento	**43.20**

Igual ao BZM 99.1813.0/Same as 99.1813.0 BZM/Igual que BZM 99.1813.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

BMW 316i, 318i, 318is, 320i, 323i (2.5), 325i, 325xi, 328i, 330i, 330xi, 520i, 523i, 525i, 528i, 530i, 728i, 730i, X3 (2.5i), X3 (3.0i), Z3 (1.8), Z3 (1.9), Z3 (2.0), Z3 (2.2), Z3 (2.8), Z3 (3.0), Z4 (2.2i), Z4 (2.5i), Z4 (3.0i) **|** **Hyundai** Coupé (2.0 16v) **|** **Toyota** Avensis (1.6), Avensis (1.8 VVTI), Corolla (1.4), Corolla (1.6), Corolla (1.8 VVTI), Crown, Fortuner, Hiace, Hilux, Kijang Innova, Land Cruiser Prado, MR 2 (1.8 16v VTI-ZZW30), Yaris (1.3 VVTI)

OEM *ORIGINAL*

Cargo 237379, 331969 **|** **Denso** 0283009451 **|** **Krauf** SDN6379 **|** **Toyota** 280210D090, 2802173020

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 2810022040, 4280000670, 4280000680, 4280001760, 4280003370, 4280003371, 4280003372, 4280004550 **|** **Toyota** 281000D090, 2810075190

99.4982.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**18.30**
IS Ø Interno da Estria	**15.00**
L Comprimento	**74.80**

OEM *ORIGINAL*

Lucas Indiel Especial/Special

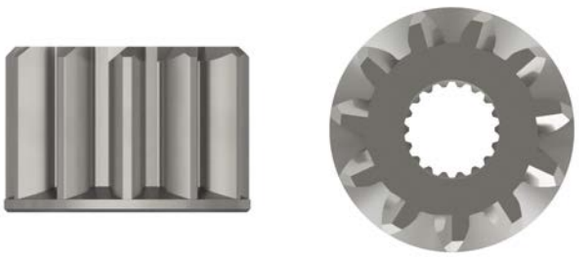
99.4984.0





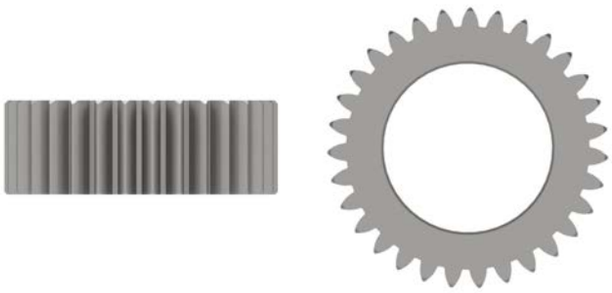
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**47.00**
IG Ø Interno do Dente	**33.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

99.4987.0



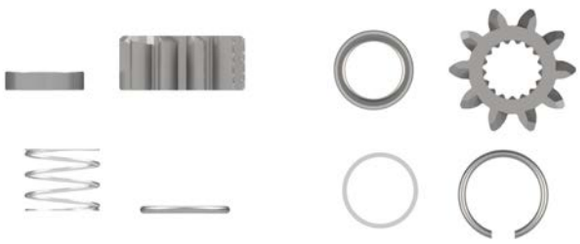
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.53**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**24.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**23.50**

99.4989.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**31**
2T Dois Dentes	**-**
G Ø Externo do Dente	**50.70**
IG Ø Interno do Dente	**43.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**-**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**17.40**

99.4991.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**17**
ES Ø Externo da Estria	**14.90**
IS Ø Interno da Estria	**13.10**
L Comprimento	**14.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1647.0 / Applied on 99.1647.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1647.0

IMPULSORES DE PARTIDA

99.4997.0



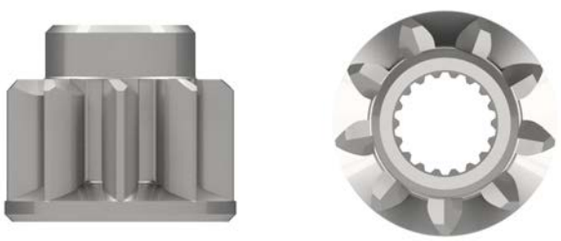
DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.46**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**11.0/12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**16.40**
IS Ø Interno da Estria	**13.50**
L Comprimento	**88.50**

99.4999.2



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	
2T Dois Dentes	
G Ø Externo do Dente	**20.20**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	**28.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**91.70**

99.9186.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.24**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**25.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Civic (1.3), Civic (1.4), Civic (1.5), Civic (1.6), Concerto (1.3), Concerto (1.4), Concerto (1.5 16v), Shuttle (1.5), Shuttle (1.6) **| Kubota** Trator / Tractor **| Toyota** 2S, 3Y, 4Y, Camry (1.8), Camry (2.0), Carina II (1.8), Carina II (2.0), Corolla (1.8), Corolla (2.0), MR 2, SY

OEM *ORIGINAL*

Honda 31213671671, 31221657004 **| Lester** 16248, 16586, 16600, 16760, 16761, 16905, 16906, 17027, 17028, 17101, 17118, 17254, 17345, 17365, 17374, 17378, 17606 **| New Holland** 0280009270 **| Nippondenso** 0280007191, 0280007320, 0280007321, 0280007380, 0280007390, 0280007391, 0280007392, 0280007550, 0280007560, 0280007620, 0280007700, 0280007990, 0280008000, 0280008050, 0280008060, 0280008080, 0280008180, 0280008220, 0280008380, 0280008620, 0280008670, 0280009070, 0280009120, 0280009121, 0280009260, 0280009320, 0280009321, 0280009340, 0280009380, 0280009720, 0280009730, 0280009860, 0280993088, 0280993090, 0283001603 **| Toyota** 2810010040, 2810013010, 2810015020, 2810015040, 2810015070, 2810015130, 2810015180, 2810016020, 2810016080, 2810020550, 2810020551, 2810020552, 2810026043, 2810026053, 2810026061, 2810026063, 2810026070, 2810026100, 2810026110, 2810026120, 2810027050, 2810034044, 2810034052, 2810034060, 2810034080, 2810041060, 2810045030, 2810045031,

2810045032, 2810060070, 2810063020, 2810063050, 2810072010, 2810072020, 2810072090 | **Unipoint** SD5201

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 31200657671, 31200675671, 31200689661, 31200689662, 31200PA0671, 31200PB2016, 31200PC2004, 31200PC2661, 31200PC2662, 31200PC2671, 31200PC2672, 31200PC6661, 31200PD2661, 31200PE0661, 31200PE1671, 31200PG6911, 31200PM3003, 31200PV2662, 31200PV2671, DRK1E | **Nippondenso** 0280001661, 0280002911, 0280004020, 0280004021, 0280004044, 0280004240, 0280004241, 0280004242, 0280004243, 0280004250, 0280004251, 0280004252, 0280004253, 0280004320, 0280004321, 0280004322, 0280004323, 0280004340, 0280004341, 0280004342, 0280004343, 0280004450, 0280004510, 0280004512, 0280004540, 0280004550, 0280004900, 0280004940, 0280004951, 0280005100, 0280005820, 0280005821, 0280005822, 0280005900, 0280005910, 0280005912, 0280006000, 0280006001, 0280006030, 0280006040, 0280006140, 0280006360, 0280006361, 0280006362, 0280006620, 0280006701, 0280006710, 0280006711, 0280007190, 1280000120, 1280000130, 1280000280, 1280000300, 1280000400, 1280000590, 1280000620, 1280000622, 1280001240, 1280001250, 1280001350, 1280001370, 1280001440, 1280001900, 1280002040, 1280002060, 1280002180, 1280002190, 1280002590, 1280003350, 1280004420, 1280005080, 1280005340, 1280005561, 1280005571, 1280005580, 1280005581, 1280005630, 1280005691, 1280005700, 1280005780, 1280007210, 1280008200, 1280008210, 1280008500, 1280009950 | **Toyota** 2810010040, 2810013010, 2810015020, 2810015040, 2810015070, 2810015130, 2810016020, 2810016080, 2810020550, 2810020551, 2810020552, 2810026043, 2810026053, 2810026061, 2810026063, 2810026070, 2810026100, 2810026110, 2810026120, 2810027050, 2810034044, 2810034052, 2810034060, 2810034080, 2810041060, 2810045030, 2810045031, 2810045032, 2810060070, 2810063020, 2810063050, 2810072010, 2810072020, 2810072090

99.9260.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**13.50**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.10**
ID Ø da Bucha	**-**
CW-CCW Sentido	
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**23.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

John Deere Escavadeira / Excavator / Excavadora | **Massey Ferguson** MF 1205 (1993~1996), MF 1220 (Isekinouki 3-69 Diesel, 1993~1999), MF 1230 (1993~2000), MF 1235 (1997~2000)

OEM *ORIGINAL*

Isuzu 5811240030, 5811240060 | **Lester** 16739, 17303, 17381 | **Nippondenso** 0280993400, 0283001841

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Isuzu 5811000860, 5811001550, 5811001660, 5811001661, 5811001830, 8941233870, 8941337583, 8941492490, 8941702050, 8944127301 | **Nippondenso** 0128000830, 0280005060, 0280006440, 0280007000, 0280007790, 0280007791, 1280000020, 1280000830, 1280000831, 1280000960, 1280001100, 1280002881, 1280004390

99.9301.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**26.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.50**
L Comprimento	**35.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1827.0 / Applied on 99.1827.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1827.0 **| Toyota** Motor / Engine 2B, Motor / Engine 3B

OEM *ORIGINAL*

Cargo 132405 **| Lester** 16830, 16881, 18151, 18190 **| Nippondenso** 0280993310, 0280995460, 0283002011 **| Toyota** 2801154010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280005490, 0280005580, 0280005581, 0280005593, 0280005850, 0280005860, 0280006200, 0280006290, 0280006340, 0280006560, 0280006561, 0280006640, 0280006880, 0280007240, 0280007810, 0280008070, 0280009770, 1280004100, 1280005090, 1280005300, 1280007750 **| Toyota** 2810022060, 2810042800, 2810047090, 2810054010, 2810054061, 2810054090

99.9302.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**12.35**
G Ø Externo do Dente	**39.50**
IG Ø Interno do Dente	**29.50**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.50**
L Comprimento	**35.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1829.0 / Applied on 99.1829.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1829.0 **| Case** Trator / Tractor **| Cummins** Especial / Special **| Dodge** Especial / Special

OEM *ORIGINAL*

Cargo 132865 **| Lester** 16658, 16990, 17215, 17390, 17394, 17548, 17600 **| Nippondenso** 0280993230, 0280993290, 0280995880

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280005880, 1280000210, 1280000540, 1280002270, 1280002480, 1280003120, 1280004220, 1280004910, 1280009500, 2280000620

99.9307.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**10.53**
G Ø Externo do Dente	**29.38**
IG Ø Interno do Dente	**20.20**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**25.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0750.0 / Applied on 99.0750.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0750.0 **| Chrysler** E Class (4 cil / cyl 2.6L 2555cc 156cid, 1983~1984), Executive Limousine (4 cil / cyl 2.6L 2555cc 156cid, 1985), Executive Sedan (4 cil / cyl 2.6L 2555cc 156cid, 1983~1984), LeBaron (4 cil / cyl 2.6L 2555cc 156cid, 1982~1985), New Yorker (4 cil / cyl 2.6L 2555cc 156cid, 1983~1985), Town & Country (4 cil / cyl 2.6L 2555cc 156cid, 1982~1983), Town & Country (4 cil / cyl 2.6L 2555cc 156cid, 1985) **| Dodge** 400 (4 cil / cyl 2.6L 2555cc 156cid, 1982~1983), 600 (4 cil / cyl 2.6L 2555cc 156cid, 1983~1985), Aries (4 cil / cyl 2.6L 2555cc 156cid, 1981~1985), Caravan (4 cil / cyl 2.6L 2555cc 156cid, 1984~1987), Mini Ram (4 cil / cyl 2.6L 2555cc 156cid VIN G, 1984~1987), Royal Mini Ram (4 cil / cyl 2.6L 2555cc 156cid, 1984~1987) **| Plymouth** Caravelle (4 cil / cyl 2.6L 2555cc 156cid, 1983~1985), Reliant (4 cil / cyl 2.6L 2555cc 156cid, 1981~1985), Voyager (4 cil / cyl 2.6L 2555cc 156cid, 1984~1987)

OEM *ORIGINAL*

Lester 16676, 17007, 17020, 17083, 17091, 17129, 17197, 17216, 17363, 17368, 17579, 18154 **| Nippondenso** 0280993380, 0280996260, 0280996300

99.9349.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.60**
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	**21.30**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**25.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0816.0 / Applied on 99.0816.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0816.0

OEM *ORIGINAL*

Cargo 139654 **| Chrysler** 5233966 **| Lester** 17084, 17466, 17485 **| Nippondenso** 0280996310, 0283001811, 0283006190

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0128005670, 0280005000, 0280007730, 1280004960, 1280005270, 1280005280, 1280005670, 1280006320

99.9350.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.60**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**15.00**
IS Ø Interno da Estria	**13.50**
L Comprimento	**41.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Honda Accord, Civic, Prelude

OEM *ORIGINAL*

Honda 31204PC016, 31204PC2016, 31204PD1003, 31204PD1013, 31204PH3006, 31204PJ7903 | **Lester** 16845, 16901, 16902, 16914, 16960, 17160, 17491

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Honda 31200PC2663, 31200PC2681, 31200PC6663, 31200PD2662, 31200PD2663, 31200PD2664, 31200PE0664, 31200PE0665, 31200PE1673, 31200PE1674, 31200PG6914, 31200PH3953, 31200PK2006, 31200PK2026, 31200PK2953, 31200PK2955, 31200PM1005, 31200PM3005, 31200PT0900

99.9402.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.30**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.50**
L Comprimento	**35.90**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Blue Bird Ônibus / Bus / Ómnibus | **BZM** Aplicado no Impulsor BZM 99.1831.0 / Applied on 99.1831.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1831.0 | **Caterpillar** Motor / Engine (2.5kW 12v)

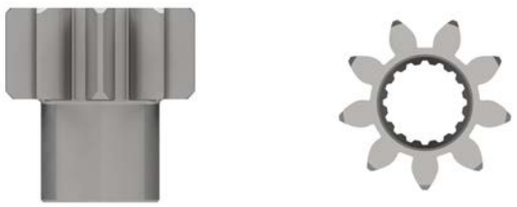
OEM *ORIGINAL*

Cargo 133353 | **Lester** 16981, 17348, 17380, 17385, 17388, 17391, 17393, 17399, 17458, 17609, 17611, 17613, 17614 | **Nippondenso** 0280993270, 0283003690, 0283005450, 1280995360

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280006780, 1280001060, 1280001780, 1280002250, 1280002251, 1280002560, 1280003030, 1280004080, 1280004090, 1280004970, 1280005370, 1280005600, 1280005620, 1280005621, 1280007040, 1280008290, 1280009610, 2280000020

99.9403.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.50**
L Comprimento	**36.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kubota Trator / Tractor

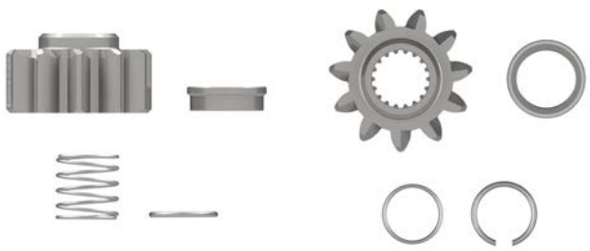
OEM *ORIGINAL*

Lester 16651, 17359 **| Nippondenso** 0280993210

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280005000, 0280007730

99.9426.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.80**
IS Ø Interno da Estria	**12.25**
L Comprimento	**19.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar Máquinas / Machines / Maquinarias **| Clark** Empilhadeira / Forklift / Apiladora **| Ford** Trator / Tractor **| Ishikawajima** Especial / Special **| Nissan** Empilhadeira / Forklift / Apiladora

OEM *ORIGINAL*

Lester 17110, 17244 **| Mitsubishi** M605X23471, M605X25771, M605X32471, MM502529 **| Nissan** 23357W1011

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T52881, MM115518

99.9459.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.28**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	**24.20**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**16**
ES Ø Externo da Estria	**17.00**
IS Ø Interno da Estria	**15.50**
L Comprimento	**40.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bobcat 1075 (John Deere 4-276 DSL, 1975~1981), 1080 (John Deere 4-276 DSL, 1979~1982), 1080-B (John Deere 4-276 DSL, 1983~1985), 975 (John Deere 4-276 DSL, 1974~1990) | **Clark** 1075 (John Deere 4276, 1975~1981), 1080 (John Deere 4276, 1982~1985), 975 (John Deere 4276, 1974~1990) | **John Deere** 4039DFM (4 cil / cyl 239ci 3.9L), 4045DFM50 (4 cil / cyl 276ci 4.5L), 4045DFM70 (4 cil / cyl 276ci 4.5L, 2004~2007), 4045TFM (4 cil / cyl 276ci 4.5L), 4045TFM50 (4 cil / cyl 276ci 4.5L), 4045TFM75 (4 cil / cyl 276ci 4.5L, 2004~2007), 503 (4239), 9930 (359 Diesel, 1987~1993), Elgin White Wing Street Sweeper (4276 Diesel)

OEM *ORIGINAL*

Lester 17362 | **Nippondenso** 0280996200

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 028000840

99.9488.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.50**
IG Ø Interno do Dente	**20.40**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.50**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0737.0 / Applied on 99.0737.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0737.0

OEM *ORIGINAL*

Cargo 233742 | **Hitachi** 2108F3500, 211415554, 211455008, 21303503 | **Nissan** 23357N5900 | **Visnova** 1017003

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114253, S114253A, S114253B, S114254, S114254A, S114254C, S114254D, S114255, S114255A, S1142564, S114258, S114258A, S114258C, S114264A, S114265, S114268, S114268A, S114290, S114290A, S114290B, S114296, S114296A, S114344, S114374, S114374B, S114401B, S114429, S114429A, S114446, S114453, S114454, S114457, S114458, S114474, S114476, S13100, S13115, S13121, S1362B, S1362C, S1363, S1370,

S1370A, S1382, S1382A, S1383 **|** **Isuzu** 8942420670 **|** **Nissan** 2330006W61, 2330017C60, 2330018C60, 2330021P00, 2330022P00, 23300H9100, 23300H9101, 23300N5900, 23300N5902, 23300N5903, 23300R2000, 23300U7500, 23300U7501, 23300U7502, 23300V5300, 23300V5301, 23300W1000, 23300W1002, 23300W7000, 23300W7001

99.9492.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**28.20**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**25.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0817.0 / Applied on 99.0817.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0817.0, Aplicado no Impulsor BZM 99.1566.0 / Applied on 99.1566.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1566.0 **|** **Chrysler** Concorde (3.3L) **|** **Dodge** Intrepid (3.3L) **|** **Eagle** Vision (3.3L)

OEM *ORIGINAL*

Cargo 138123 **|** **Lester** 17460, 17465

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 228000036

99.9495.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**34.80**
IG Ø Interno do Dente	**25.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.80**
IS Ø Interno da Estria	**12.25**
L Comprimento	**17.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1043.0 / Applied on 99.1043.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1043.0 **|** **Nissan** Empilhadeira / Forklift / Apiladora, Motor de empilhadeira AH A15 / Forklift engine AH A15 / Motor de apilador AH A15, Motor de empilhadeira APH A15 / Forklift engine APH A15 / Motor de apilador APH A15, Motor de empilhadeira APH H20 / Forklift engine APH H20 / Motor de apilador APH H20, Motor de empilhadeira ASH A15 / Forklift engine ASH A15 / Motor de apilador ASH A15, Motor de empilhadeira ASH H20 / Forklift engine ASH H20 / Motor de apilador ASH H20, Motor de empilhadeira CEF H20 / Forklift engine CEF H20 / Motor de apilador CEF H20 **|** **TCM Equipment Ag** Empilhadeira / Forklift / Apiladora FHG20N (Z24)

OEM *ORIGINAL*

Mitsubishi M605X34971 | **Nissan** 2335720H12

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lester 16947 | **Mitsubishi** M2T58081, M2T58381, M2T58481 | **Nissan** 2330020H00, 2330020H12

99.9502.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**-**
G Ø Externo do Dente	**40.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**24.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lexus ES250 (6 cil / cyl 2.5L 2508cc, 1990~1991) | **Toyota** Camry (4 cil / cyl 2.0L 1998cc, 1989~1991), Camry (4 cil / cyl 2.0L 1998cc 122cid, 1987~1991), Camry (6 cil / cyl 2.5L 2508cc, 1988~1991), Celica (4 cil / cyl 2.0L 1998cc, 1987~1989), Celica (4 cil / cyl 2.0L 1998cc 122cid, 1987~1993), Celica (4 cil / cyl 2.2L 2164cc, 1990~1993)

OEM *ORIGINAL*

Lester 16893, 16978

99.9504.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**25.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Motor Nippondenso | **Honda** Motor Nippondenso | **Isuzu** Motor Nippondenso

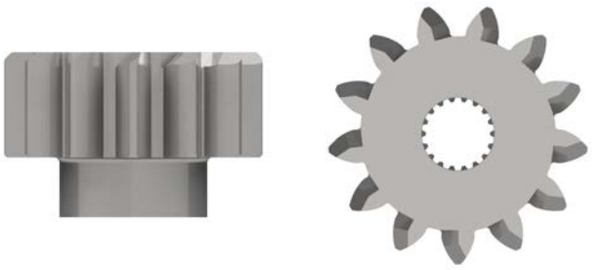
OEM *ORIGINAL*

Lester 17273

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi 128000283, 128000708, 128000746, 128000970, 228000081, 228000205, 228000226, 228000399, 228000504, 228000642, 228000720

99.9506.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**-**
G Ø Externo do Dente	**40.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**23.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1555.0 / Applied on 99.1555.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1555.0 | **Lexus** ES250 (6 cil / cyl 2.5L 2508cc, 1990~1991) | **Toyota** Camry (4 cil / cyl 2.0L 1998cc, 1989~1991), Camry (4 cil / cyl 2.0L 1998cc 122cid, 1987~1991), Camry (6 cil / cyl 2.5L 2508cc, 1988~1991), Celica (4 cil / cyl 2.0L 1998cc, 1987~1989), Celica (4 cil / cyl 2.0L 1998cc 122cid, 1987~1993), Celica (4 cil / cyl 2.2L 2164cc, 1990~1993)

OEM *ORIGINAL*

Lester 16893, 17263, 17534 | **Nippondenso** 0283716490

99.9525.0

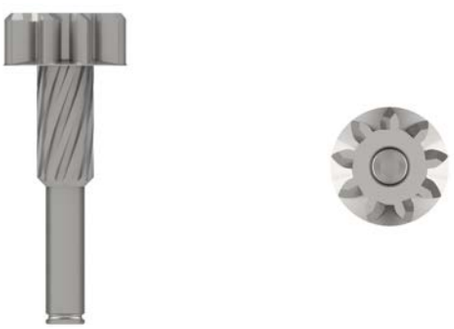


DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	
G Ø Externo do Dente	**28.80**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CCW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**94.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0793.0 / Applied on 99.0793.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0793.0 | **Nissan** E16, NX1600, NX2000, Pulsar (1.6), Sentra (1.6)

99.9526.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**33.00**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0792.0 / Applied on 99.0792.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0792.0 **| Volkswagen** LT (TD) **| Volvo** 240 (D), 740 (TD), 940 (TD)

OEM *ORIGINAL*

Thermo King 446676, 446681

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Thermo King 451229, 451263, 451285

99.9527.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0790.0 / Applied on 99.0790.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0790.0 **| Nissan** CD17, CD20

OEM *ORIGINAL*

Hitachi 211495501 **| Lester** 16733, 16809, 18053, 18054, 18061 **| Nissan** 23357W1700

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114357B, S114367, S114395A, S114471, S114472, S114482, S13101, S13102, S13104, S13105A, S1366A, S1369, S1381, S1392A **| Nissan** 2330009E00, 2330010G02, 2330054A01, 233007260, 2330083W00, 23300V0703, 23300V7200, 23300W2804

99.9528.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**8**
2T Dois Dentes	**-**
G Ø Externo do Dente	**28.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0791.0 / Applied on 99.0791.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0791.0 **| Nissan** 200 SX, 310, Primera (2.0), Silvia (1.8), Stanza

OEM *ORIGINAL*

Hitachi 211465008 | **Nissan** 23357M4901 | **Visnova** 1017006

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S114252F, S114322A, S114393, S114478 | **Nissan** 23300M4904

99.9542.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**25.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Integra (4 cil / cyl 1.7L 1678cc, 1992~1993), Integra (4 cil / cyl 1.8L 1834cc, 1992~1993)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 228000022

99.9566.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**10**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0844.0 / Applied on 99.0844.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0844.0 | **Volvo** Especial / Special (Diesel)

OEM *ORIGINAL*

Lester 17138

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Hitachi S1391

99.9597.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**-**
G Ø Externo do Dente	**37.20**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**17.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Canter

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi 50171, M8T50071

99.9632.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**12.10**
G Ø Externo do Dente	**33.80**
IG Ø Interno do Dente	**23.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.80**
IS Ø Interno da Estria	**12.25**
L Comprimento	**23.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Dodge RAM 2500 (10 cil / cYl 8.0L 7990cc 488cid, 1994~1995), RAM 3500 (10 cil / cyl 8.0L 7990cc 488cid, 1994~1995)

OEM *ORIGINAL*

Lester 17549, 17574

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 228000180, 228000340

99.9678.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.04**
ID Ø da Bucha	**-**
CW-CCW Sentido	
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**25.30**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Toyota Carina E (T19 2.0 D CT190), Carina E Saloon (T19 2.0 D CT190), Corolla (Compact E10 2.0 D CE100), Corolla (Compact E11 2.0 D CE110), Corolla (E10 2.0 D CE100), Corolla (E11 2.0 D CE110), Corolla (Liftback E10 2.0 D CE100), Corolla (Liftback E11 2.0 D CE110), Corolla (Wagon E10 2.0 D CE100), Corolla (Wagon E11 2.0 D CE110), Echo (P1 1.4 D-4D), Hiace I (Box-H10 2.2 D LH20-30), Hiace II (Box-H20 2.4 D), Hiace III (Box-H50 2.4 D 4WD), Hiace III (Wagon-H50 2.4 D), Hiace III (Wagon-H50 2.4D 4WD), Hiace IV (Box-2.4 TD 4WD LXH18), Hiace IV (Box-2.4D LXH12), Hiace IV (Box-LXH22), Hiace IV (Box-LXH28), Hiace IV (Wagon-2.4D), Hiace IV (Wagon-2.4TD 4WD H18 / 28), Hiace IV (Wagon-2.4TD LXH12), Hiace IV (Wagon-LXH22), Hilux (2.8), Hilux II Pick Up (2.4D), Hilux II Pick Up (2.4D 4WD), Hilux II Pick Up (2.4TD 4WD), Land Cruiser Bundera (2.4TD LJ70), Land Cruiser Bundera (J7 2.4D LJ70), Land Cruiser Bundera (LJ73), Land Cruiser Hardtop (J7 2.4TD LJ77), Yaris (NC / LP2 1.4 D-4D NLP22)

OEM *ORIGINAL*

Cargo 139147 | **Nippondenso** 0280993910, 0283715730, 0283717060

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280008451, 0280008980, 1280000930, 1280005350, 1280009550, 1280009560, 1280009860, 1280009870, 1280009880, 2280000200, 2280000460, 2280000880, 2280001850, 2280001900, 2280002120, 2280002680, 2280002690, 2280002700, 2280003620, 2280003630, 2280003640, 2280003641, 2280003642, 2280003680 | **Toyota** 2810054380, 2810064010, 2810064040, 2810064070, 2810064100, 2810064110, 2810064130, 2810064140, 2810064190, 2810064200, 2810064210, 2810064310

99.9702.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**25.90**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

General Motors/Chevrolet 240 (Series 2.4L 2383cc D24, 1985), 740 (Series 2.4L 2383cc D24T, 1985~1986), 760 (Series 2.4L 2383cc D24, 1985), 760 (Series 2.4L 2383cc D24T, 1985)

OEM *ORIGINAL*

Accurate 4798798 | **ACE** 4798 | **AES New** 1946 | **AIM** SJ0779A | **Amsco** HT230 | **Arrowhead** SHI5308 | **CPC** SDHI2662A | **Dubois** 297400 | **Just Parts** BO26021N, HT25034NPS1 | **Lester** 62042662A | **SWS** 11812010

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

AES 17138, S1935 | **AES New** S1935N, S1936N | **AIM** SJ0053R | **ARC** S1660 | **Arrowhead** SHI0015, SHI0032 | **ASL** S1660 | **Beck Arnley** 1870556 | **Bosch Reman** SR97X | **Cargo** 111120 | **Dixie** S6106 | **Dubois** 916584 | **Hitachi** S1391, S1391A | **Lucas Reman** S7219, ST133 | **Romaine** 4117138 | **TRW** LRS661 | **Volvo** 1328391, 1328396, 5003003, 50030030 | **WAI** 21289HI | **Wilson** 91251101 | **Woodauto** STR72029 | **Worldwide** 16942

99.9752.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

Igual ao BZM 99.1951.0/Same as 99.1951.0 BZM/Igual que BZM 99.1951.0

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Motor estacionário para máquinas de cavaco de madeira / Stationary motor for wood chips machines / Motor estacionario para máquinas de virutas de madera | **Hurlimann** Trator / Tractor H345, Trator / Tractor H355, Trator / Tractor H358, Trator / Tractor H360, Trator / Tractor H470, Trator / Tractor H476, Trator / Tractor H480, Trator / Tractor H488 T, Trator / Tractor H490, Trator / Tractor H496, Trator / Tractor H5110, Trator / Tractor H6130, Trator / Tractor H6135, Trator / Tractor H6136, Trator / Tractor H6160, Trator / Tractor H6190 | **Lamborghini** Trator / Tractor 115, Trator / Tractor 135, Trator / Tractor 1356, Trator / Tractor 1556, Trator / Tractor 165, Trator / Tractor 190, Trator / Tractor 345, Trator / Tractor 573, Trator / Tractor 574, Trator / Tractor 654, Trator / Tractor 674, Trator / Tractor 684, Trator / Tractor 754, Trator / Tractor 774, Trator / Tractor 775, Trator / Tractor 874, Trator / Tractor R 613 DT, Trator / Tractor R 653 F, Trator / Tractor R 714 F | **Same** Trator / Tractor Antares 110, Trator / Tractor Antares 130, Trator / Tractor Aurora 45 | **Steyr Puch** 288, 290, 406, 50, 650, 658, 760, 768, 988

OEM *ORIGINAL*

Cargo 230280 | **Iskra** 16901752

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130179, 11130201, 11130414, 11130595, 11130626, 11130686, 11130692, 11130705, 11130710, 11130821, 11130861, 11130887, 11130895, 11131017, 11131085, 11131144, 11131236 | **Lester** 17258

99.9752.4





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.39**
G Ø Externo do Dente	**40.90**
IG Ø Interno do Dente	**27.32**
ID Ø da Bucha	**14.30**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**16.20**
L Comprimento	**82.00**

Peça reforçada/Reinforced part/Pieza reforzada
Igual ao 99.1951.4/Same as 99.1951.4/Igual que BZM 1951.4

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Motor estacionário para máquinas de cavaco de madeira / Stationary motor for wood chips machines / Motor estacionario para máquinas de virutas de madera **|** **Hurlimann** Trator / Tractor H345, Trator / Tractor H355, Trator / Tractor H358, Trator / Tractor H360, Trator / Tractor H470, Trator / Tractor H476, Trator / Tractor H480, Trator / Tractor H488 T, Trator / Tractor H490, Trator / Tractor H496, Trator / Tractor H5110, Trator / Tractor H6130, Trator / Tractor H6135, Trator / Tractor H6136, Trator / Tractor H6160, Trator / Tractor H6190 **|** **Lamborghini** Trator / Tractor 115, Trator / Tractor 135, Trator / Tractor 1356, Trator / Tractor 1556, Trator / Tractor 165, Trator / Tractor 190, Trator / Tractor 345, Trator / Tractor 573, Trator / Tractor 574, Trator / Tractor 654, Trator / Tractor 674, Trator / Tractor 684, Trator / Tractor 754, Trator / Tractor 774, Trator / Tractor 775, Trator / Tractor 874, Trator / Tractor R 613 DT, Trator / Tractor R 653 F, Trator / Tractor R 714 F **|** **Same** Trator / Tractor Antares 110, Trator / Tractor Antares 130, Trator / Tractor Aurora 45 **|** **Steyr Puch** 288, 290, 406, 50, 650, 658, 760, 768, 988

OEM *ORIGINAL*

Cargo 230280 **|** **Iskra** 16901752

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Iskra 11130179, 11130201, 11130414, 11130595, 11130626, 11130686, 11130692, 11130705, 11130710, 11130821, 11130861, 11130887, 11130895, 11131017, 11131085, 11131144, 11131236 **|** **Lester** 17258

99.9781.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**27.94**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**14.90**

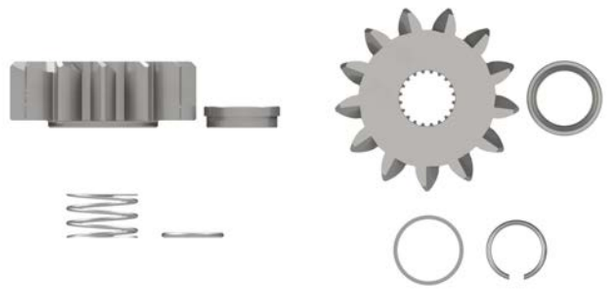
APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford F150 (Heritage V6 4.2L 256cid, 2004), F150 (V6 4.2L 256cid, 1999~2003), F150 (V6 4.2L 256cid, 2005)

OEM *ORIGINAL*

Ford XL1U11000AA, XL1Z11002AA **|** **Lester** 6647

99.9791.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**15.95**
G Ø Externo do Dente	**51.00**
IG Ø Interno do Dente	**37.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.70**
L Comprimento	**18.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Jungheinrich DFG30 | **Mazda** 2200 Pick-Up | **Mitsubishi** Canter 2000 | **Nissan-Datsun** 3300, 3500 | **Yale** Empilhadeira / Forklift / Apiladora

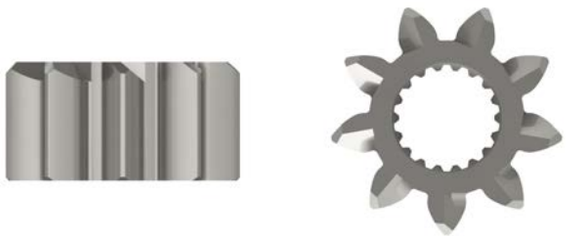
OEM *ORIGINAL*

Mitsubishi M605X26971

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T54571, M2T54572, M3T67771

99.9823.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**30.00**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**15.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Ford Thunderbird (3.9L 241 V8, 2002~2004) | **Lincoln** LS (3.9L 241 V8, 2000~2004)

OEM *ORIGINAL*

Accurate 1073 | **ACE** 41073 | **Lester** 62505002 | **SWS** 11240001

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

ACE CM7228 | **AES New** 6652N | **Arrowhead** SFD0055 | **Beck Arnley** 1876182 | **Bosch Reman** SR7593X | **Cargo** 112609 | **Dixie** S2100 | **Ford** 1W4U11000CA, 5W4Z11002A, 6W4Z11002AA, XW4U11000CG, XW4Z11002CG | **J&N** 41014053 | **Motorcraft** SA882, SA958 | **Napa** 449294 | **RCP** ST882 | **Romaine** 416652, 6652N | **WAI** 22019FD | **Worldwide** 28711, 97143

99.9838.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	**15.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**20.70**
IS Ø Interno da Estria	**17.00**
L Comprimento	**80.40**

Original 6 estrias, reforçada para 12 estrias/6-splines original, reinforced to 12-splines/Original de 6 estrías, reforzada para 12 estrías

APLICAÇÃO *APPLICATION / APLICACIÓN*

Cummins Motor (8.3) | **Ford** Cargo 1622 (Cummins 6CTAA 8.3), Cargo 2422 (Cummins 6CTAA 8.3), Cargo 2425 (Cummins 6CTAA 8.3), Cargo 2425 Mixer (Cummins 6CTAA 8.3), Cargo 2630 (Cummins 6CTAA 8.3) | **International** Navistar DT360 (5.9), Navistar DT446 (L6 7.6)

OEM *ORIGINAL*

Krauf SDP7746 | **Lucas Indiel** 35260838, 35260875

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Lucas Indiel 35259450, 35259730, 35259810, 35260870, 35261050, 35261160

99.9992.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**52.30**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	**20.30**
IS Ø Interno da Estria	**16.80**
L Comprimento	**67.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Trator / Tractor (Modelo / Model Gima)

99.9993.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	**CCW**
D Ø da Capa	**64.40**
SPL Número de Estrias	**11**
ES Ø Externo da Estria	
IS Ø Interno da Estria	
L Comprimento	**115.70**

OEM *ORIGINAL*

Especial/Special 195-DH

99.9994.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**20**
2T Dois Dentes	**-**
G Ø Externo do Dente	**14.80**
IG Ø Interno do Dente	**13.50**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**65.00**
SPL Número de Estrias	**10**
ES Ø Externo da Estria	**21.20**
IS Ø Interno da Estria	**18.60**
L Comprimento	**138.80**

99.9995.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**12.50**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**71.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Trator / Tractor China

99.9996.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**48.50**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**63.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Tramontini Trator / Tractor

99.9997.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**14.20**
G Ø Externo do Dente	**42.30**
IG Ø Interno do Dente	**31.00**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Trator / Tractor China

99.9998.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.29**
G Ø Externo do Dente	**39.80**
IG Ø Interno do Dente	**28.80**
ID Ø da Bucha	**14.00**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**12**
ES Ø Externo da Estria	**19.60**
IS Ø Interno da Estria	**17.00**
L Comprimento	**87.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Especial/Special Trator / Tractor China

OEM *ORIGINAL*

JAC/JMC/FOTON JB-6705-93

99.9999.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**21**
2T Dois Dentes	**-**
G Ø Externo do Dente	**16.50**
IG Ø Interno do Dente	**14.80**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**60.00**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**20.20**
IS Ø Interno da Estria	**18.40**
L Comprimento	**131.60**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Agrale Caminhão / Truck / Camión 10.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 13000 (MWM 6.10 TCA), Caminhão / Truck / Camión 14.000 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 14.000 6X2 (MWM MaxxForce 4.8H. Euro V, 01/2012→), Caminhão / Truck / Camión 6000 (MWM 4.10 TCA), Caminhão / Truck / Camión 6000 (MWM 4.12 TCE), Caminhão / Truck / Camión 8500 (MWM 4.10 TCA), Caminhão / Truck / Camión 8500 (MWM 4.12 TCE), Caminhão / Truck / Camión 9200 (MWM 4.10 TCA), Caminhão / Truck / Camión 9200 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 10.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 10.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 12.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 15.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 15.0 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 7.9 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 7.9 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 8.5 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 8.5 (MWM 4.12 TCE), Chassi / Chassis / Chasi MA 9.2 (MWM 4.10 TCA), Chassi / Chassis / Chasi MA 9.2 (MWM 4.12 TCE), Chassi / Chassis / Chasi MT 12.0 (MWM 4.10 TCA), Chassi / Chassis / Chasi MT 12.0 (MWM 4.12 TCE), Furgovan 8000 (MWM 4.10 TCA), Ônibus / Bus / Ómnibus MA 10.0 (MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 12.0 (MWM MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MA 15.0 (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus MA 9.2 (MaxxForce 4.8H EURO V, 01/2012→), Ônibus / Bus / Ómnibus MT 15.0 LE (MWM MaxxForce 4.8H Euro V, 01/2012→), Ônibus / Bus / Ómnibus V8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus Volare V8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W8 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus Volare W9 (MWM 4.10 TCA, ←2008), Ônibus / Bus / Ómnibus W8 (MWM 4.12 TCE, 2008→), Ônibus / Bus / Ómnibus W9 (MWM 4.12 TCE, 2008→) | **BZM** Utiliza Pinhão BZM 99.12954.0 / Uses 99.12954.0 BZM Pinion / Utiliza Piñion BZM 99.12954.0, Utiliza Pinhão BZM 99.12955.0 / Uses 99.12955.0 BZM Pinion / Utiliza Piñion BZM 99.12955.0, Utiliza Pinhão BZM 99.12956.0 / Uses 99.12956.0 BZM Pinion / Utiliza Piñion BZM 99.12956.0, Utiliza Pinhão BZM 99.12957.0 / Uses 99.12957.0 BZM Pinion / Utiliza Piñion BZM 99.12957.0, Utiliza Pinhão BZM 99.12961.0 / Uses 99.12961.0 BZM Pinion / Utiliza Piñion BZM 99.12961.0 | **Case** Motoniveladora / Motor Grader / Motoniveladora 845, Motoniveladora / Motor Grader / Motoniveladora 845 (Transmissão / Transmission / Transmisión ZF), Motoniveladora / Motor Grader / Motoniveladora 845.2, Motoniveladora / Motor Grader / Motoniveladora FG 140.2, Motoniveladora / Motor Grader / Motoniveladora RG140B, Pá Carregadeira / Wheel Loader / Pala Cargadora 521D, Pá Carregadeira / Wheel Loader / Pala Cargadora 621D, Pá Carregadeira / Wheel Loader / Pala Cargadora W130, Pá Carregadeira / Wheel Loader / Pala Cargadora W20 | **Delco Remy** 29 MT Geração / Generation / Generación II (Antigo / Old / Antiguo) | **Fiat Allis** Pá Carregadeira / Wheel Loader / Pala Cargadora FR128, Trator de Esteira / Track-Type Tractor / Buldócer 7D | **Ford** Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1517e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1717e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C1722e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2422e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2428e (6x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2622e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C2628e (6x4 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión C815e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2

Cummins Eletrônico / Electronic / Electrónico ISB 4 cil / cyl, ←03/2011), Caminhão / Truck / Camión CI317e (4x2 Cummins Eletrônico / Electronic / Electrónico ISB 6 cil / cyl, ←03/2011) **|** **Freightliner** Caminhão / Truck / Camión M2 (Motor MB906 / 904) **|** **Mercedes-Benz** Axor 1419 (Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1419 (Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1719 (Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1719 (Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (4x4 Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1726 (Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1726 (Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1729S (Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 1729S (Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 1933 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2426 (6x2 Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2426 (6x2 Motor Eletrônico / Electronic / Electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Axor 2429 (6x2 Motor eletrônico / electronic / electrónico 24v OM 926 LA Euro V, 01/2012→), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2533 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2826 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2828 (Motor Eletrônico / Electronic / Electrónico OM926), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM906), Axor 2831 (Motor Eletrônico / Electronic / Electrónico OM926), Caminhão / Truck / Camión 1215, Caminhão / Truck / Camión 1218EL, Caminhão / Truck / Camión 1218L, Caminhão / Truck / Camión 1418 EL, Caminhão / Truck / Camión 1418L, Caminhão / Truck / Camión 1418R (Motor Mecânico / Mecanic / Mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1418R (Motor Mecânico / Mecanic / Mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1718, Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 1720K (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 1725, Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 710 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 712C, Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión 712E (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Caminhão / Truck / Camión 714C, Caminhão / Truck / Camión 715, Caminhão / Truck / Camión 915C, Caminhão / Truck / Camión Accelo 1016 (Motor Eletrônico / Electronic / Electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Accelo 815 (Motor eletrônico / electronic / electrónico 24v OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 1319 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2324 (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729B (Betoneira / Concrete Mixer / Hormigonera) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 924 LA Euro V, 01/2012→), Caminhão / Truck / Camión Atron 2729K (Basculante / Dump Truck) (Motor eletrônico / electronic / eletrónico 24V OM 926 LA Euro V, 01/2012→), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Caminhão / Truck / Camión L1620 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor Mecânico / Mecanic / Mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 712 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 364 29MT), Chassi para Ônibus / Bus Chassis / Chasi de Autobús LO 812 (Motor mecânico / mecanic / mecánico 12V OM 366 29MT) **|** **Navistar** Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro II), Ônibus / Bus / Ómnibus 4700 (MWM 4.8L Euro III) **|** **New Holland** Motoniveladora / Motor Grader / Motoniveladora 140, Pá Carregadeira / Wheel Loader / Pala Cargadora 12C, Trator de Esteira / Track-Type Tractor / Buldócer 7D **|** **Volkswagen** Caminhão / Truck / Camión 10-150E (06/2009→), Caminhão / Truck / Camión 13180E (06/2009→), Caminhão / Truck / Camión 15190E (06/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 17250E (Cummins ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 17250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 4 cil / cyl, 10/2009→), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, ←09/2009), Caminhão / Truck / Camión 24250E (Cummins ISB 6 cil / cyl, 10/2009→), Caminhão / Truck / Camión 8-150 (Eletr Delivery Puls, 06/2009→), Caminhão / Truck / Camión 9-150E (06/2009→), Caminhão / Truck / Camión 9150 (Eletr Delivery-Cummins, 01/2010→), Caminhão / Truck / Camión Constellation 13180 (MWM 6 cil / cyl), Caminhão / Truck / Camión Constellation 13180 (MWM Eletrônico / Electronic / Electrónico 4 cil / cyl), Caminhão / Truck / Camión Constellation 15180 (MWM Eletrônico / Electronic / Electrónico 6 cil / cyl) **|** **Volvo** VM 210 (MWM 4.12TCE, ←12/2011), VM 210 (MWM 6.12 TCE, ←12/2011), VM 260 (MWM 4.12 TCE, ←12/2011), VM 260 (MWM 6.12 TCE, ←12/2011), VM 310 (MWM 4.12 TCE, ←12/2011), VM 310 (MWM 6.12 TCE, ←12/2011)

OEM *ORIGINAL*

Delco Remy 10515810, 10515811

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011400, 19011402, 19011403, 19011407, 8200003, 8200004, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200196, 8200231, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200564, 8200816, 8200826, 8200848, 8200853, 8200854, 8200875, 8200882, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890

99.10003.0





DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**10.55**
G Ø Externo do Dente	**25.80**
IG Ø Interno do Dente	**17.25**
ID Ø da Bucha	**12.06**
CW-CCW Sentido	**CW**
D Ø da Capa	**46.30**
SPL Número de Estrias	**6**
ES Ø Externo da Estria	**19.10**
IS Ø Interno da Estria	**15.80**
L Comprimento	**47.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Buick Century (3.1L-189-V6, 2001) **| Cadillac** Escalade (5.3L-325-V8, 2004~2005) **| Fiat** Doblò (1.8 16v), Doblò (1.8 8v), Doblò (Flex), Idea (1.8 16v), Idea (1.8 8v), Idea (Flex), Palio (1.8 16v), Palio (1.8 8v), Palio (Flex), Punto (1.8 16v), Punto (1.8 8v), Punto (Flex), Stilo (1.8 16v), Stilo (1.8 8v), Stilo (Flex), Strada (1.8 16v), Strada (1.8 8v), Strada (Flex) **| General Motors/Chevrolet** Astra (1.8), Astra (2.0), Avalanche (5.3L-325-V8, 2004~2005), Blazer (2.2), Blazer (2.4), Celta, Cobalt, Corsa (1.8), Envoy (5.3L-325-V8, 2004~2005), Envoy (5.3L XL-325-V8, 2004~2005), Express Van (4.8L-291-V8, 2004~2005), Express Van (5.3L-325-V8, 2004~2005), Impala (3.4L-207-V6, 2001), Lumina Sedan (3.1L-189-V6, 2001), Malibu (3.1L-189-V6, 2001), Meriva (1.8), Montana, Monte Carlo (3.4L-207-V6, 2001), Prisma, S10 (2.2), S10 (2.4), Savana Van (4.8L-291-V8, 2004~2005), Savana Van (5.3L-325-V8, 2004~2005), Savana Van (5.3L XL-325-V8, 2004~2005), Sierra Pick Up (4.8L-291-V8, 2004~2005), Sierra Pick Up (5.3L-325-V8, 2004~2005), Sierra Pick Up (5.3L XL-325-V8, 2004~2005), Silverado Pick Up (4.8L-291-V8, 2004~2005), Silverado Pick Up (5.3L-325-V8, 2004~2005), Spin, SSR Sport Truck (5.3L-325-V8, 2004~2005), Suburban (5.3L-325-V8, 2004~2005), Tahoe (4.8L-291-V8, 2004~2005), Tahoe (5.3L-325-V8, 2004~2005), TrailBlazer (5.3L-325-V8, 2004~2005), Vectra (2.2), Venture (3.4L-207-V6, 2001), Yukon (4.8L-291-V8, 2004~2005), Yukon (5.3L-325-V8, 2004~2005), Yukon (5.3L XL-325-V8, 2004~2005), Zafira (2.0) **| Isuzu** Ascender (5.3L-325-V8, 2004) **| Oldsmobile** Alero (3.4L-207-V6, 2001), Silhouette (3.4L-207-V6, 2001) **| Opel** Astra G (2.2 16v), Signum (2.2), Speedster (2.2), Vectra B (2.2 16v), Vectra C (2.2 16v), Zafira (2.2 16v) **| Pontiac** Aztek (3.4L-207-V6, 2001), Grand AM (3.4L-207-V6, 2001), Grand Prix (3.1L-189-V6, 2001), Montana (3.4L-207-V6, 2001) **| Saab** 97 (5.3L-325-V8, 2005)

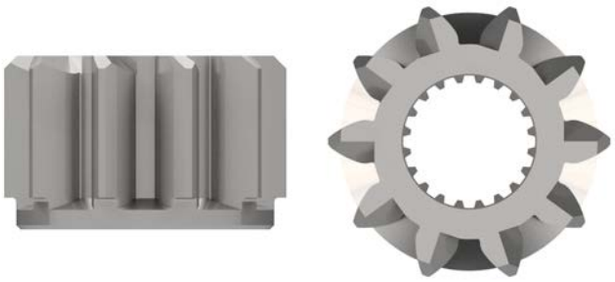
OEM *ORIGINAL*

Delco Remy 10452348, 10455504, 10501804, 10504515, 10521484, 8000045, 8000058, 89017523, 9000856, 9000868, 9000876, 9000881, 9000896, 9000901, 9000933, 9000939, 9000948, 9000977 **| Lester** 6471, 6491, 6493, 6494

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 10452345, 8000006, 8000048, 8000090, 8000158, 8000159, 8000180, 8000188, 8000287, 9000890, 9000891, 9000893, 9000902, 9000932, 9000934, 9000944, 9000952, 9000967, 9000978, 9000981 **| General Motors/Chevrolet** 93297652, 93297653, 93303527, 93304772, 93327502, 93374341, 93374342, 93384398

99.10047.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**32.80**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.70**
L Comprimento	**20.20**

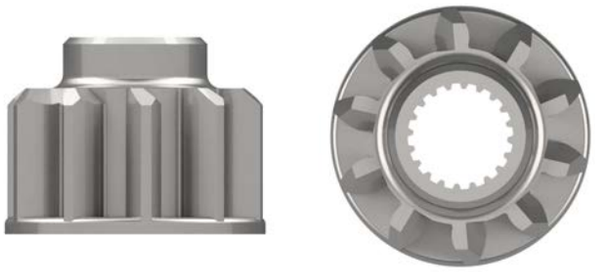
APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi L200 (1997)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi 75571

99.10048.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**40.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**23.50**

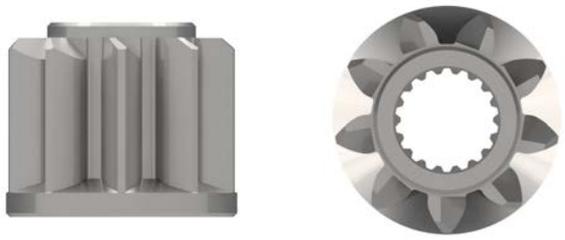
APLICAÇÃO *APPLICATION / APLICACIÓN*

Caterpillar Empilhadeira / Forklift / Apiladora V60E (Perkins 4236, 1985~1991), Empilhadeira / Forklift / Apiladora V80E (Perkins 4236, 1985~1991)

OEM *ORIGINAL*

Lester 17622

99.10049.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**12.42**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**19.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**13.50**
IS Ø Interno da Estria	**12.10**
L Comprimento	**25.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Acura Integra (1992~1993)

OEM *ORIGINAL*

Nippondenso 0283005430, 0283008100, 0283008550, 0283008600

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 1280007080, 1280007460, 2280000810, 2280002050, 2280002260, 2280003990, 2280005040, 2280006421, 2280007200

99.12609.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**42.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**23.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Lexus ES300 (V6 3.0L 2959cc, 1995~1997) **| Toyota** Avensis (2.0), Camry (1.8), Camry (2.0), Camry (2.2), Camry (2.5 V6), Camry (3.0 V6), Carina II (2.0i), Celica (2.0 Turbo), Celica (GT 2.0), Celica (GTI 16v), Picnic (2.0), RAV 4 (2.0)

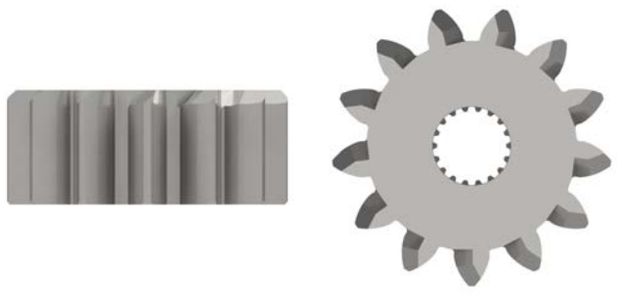
OEM *ORIGINAL*

Nippondenso 0280995590, 0280996550, 0283711980, 0283716190

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Nippondenso 0280002220, 0280006250, 0280007830, 1280000070, 1280000071, 1280000140, 1280001160, 1280001161, 1280001470, 1280003471, 1280003472, 1280003482, 1280005590, 1280005942, 1280005952, 1280006280, 2280001000, 2280001001, 2280001040, 2280001070, 2280001071, 2280003330, 2280004740

99.12619.0

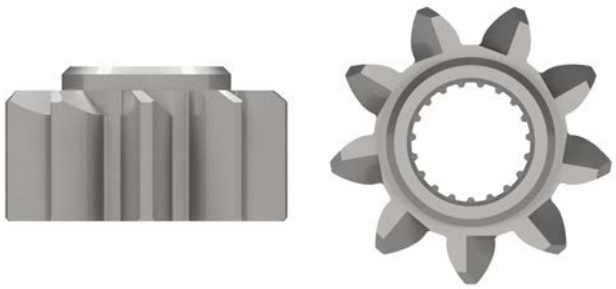


DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**13**
2T Dois Dentes	**-**
G Ø Externo do Dente	**40.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CCW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**17.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda Mazda B2600 (1996~2002) **| Nissan-Datsun** Pathfinder (1998~2002)

99.12620.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**-**
G Ø Externo do Dente	**29.64**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**18**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**19.00**

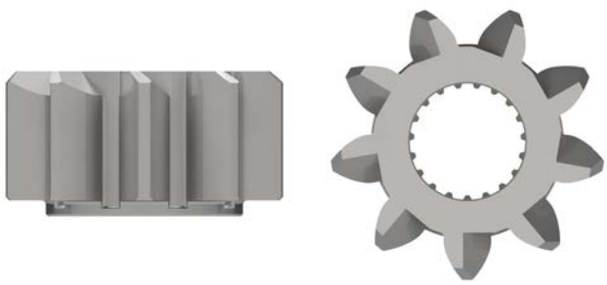
APLICAÇÃO *APPLICATION / APLICACIÓN*

Mazda B2600 (1996~2002) **| Nissan** Pathfinder (1998~2002)

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda G60118400

99.12656.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**15.00**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**24.30**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**18.30**

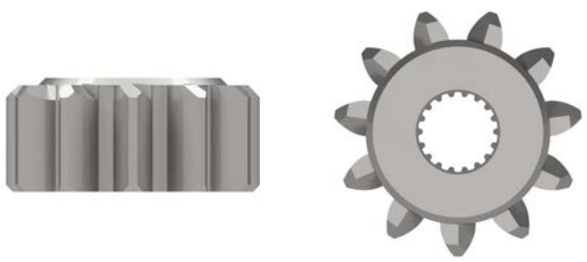
APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1577.0 / Applied on 99.1577.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1577.0 **| Hyundai** Mighty

OEM *ORIGINAL*

Cargo 231269 **| Hyundai** 3613741000

99.12657.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**-**
G Ø Externo do Dente	**41.00**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**23.00**

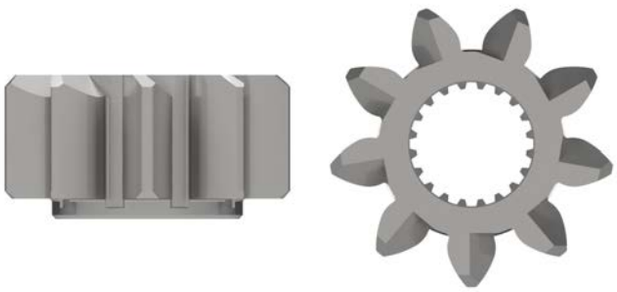
APLICAÇÃO *APPLICATION / APLICACIÓN*

Mitsubishi Fuso

OEM *ORIGINAL*

Mitsubishi M605X64571

99.12658.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.90**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**23.00**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.70**
L Comprimento	**17.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0957.0 / Applied on 99.0957.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0957.0 | **Mazda** Especial / Special | **Mitsubishi** Canter | **Nissan** Especial / Special | **Yale** Especial / Special

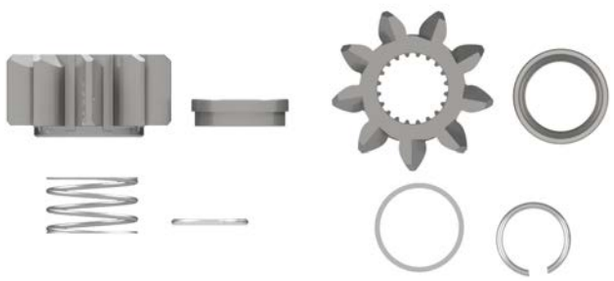
OEM *ORIGINAL*

Mazda 859924740 | **Mitsubishi** 23314T9000, M357T71671, M357T76171, M605X31971, ME700121

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda S21118400, V10118400B | **Mitsubishi** M2T54372, M2T54571, M2T54572, M2T56071, M2T57871, M2T57881, M2T60072, M2T61771, M2T64372, M2T64373, M2T66371, M2T66872, M2T66873, M2T67871, M2T67872, M2T67873, M2T67881, M2T67882, M2T67883, M2T78271, M3T56471, M3T57371, M3T57575, M3T66071, M3T66072, M3T66073, M3T66074, ME007517, ME008815, ME017034, ME017035, ME017056, ME017061, MG120413

99.12659.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.90**
G Ø Externo do Dente	**35.50**
IG Ø Interno do Dente	**23.00**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.70**
L Comprimento	**17.70**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0957.0 / Applied on 99.0957.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0957.0 | **Mazda** Especial / Special | **Mitsubishi** Canter | **Nissan** Especial / Special | **Yale** Especial / Special

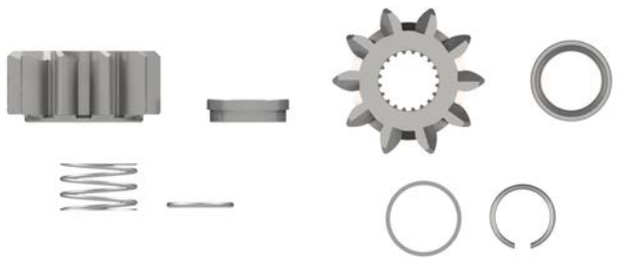
OEM *ORIGINAL*

Mazda 859924740 **| Mitsubishi** 23314T9000, M357T71671, M357T76171, M605X31971, ME700121

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mazda S21118400, V10118400B **| Mitsubishi** M2T54372, M2T54571, M2T54572, M2T56071, M2T57871, M2T57881, M2T60072, M2T61771, M2T64372, M2T64373, M2T66371, M2T66872, M2T66873, M2T67871, M2T67872, M2T67873, M2T67881, M2T67882, M2T67883, M2T78271, M3T56471, M3T57371, M3T57575, M3T66071, M3T66072, M3T66073, M3T66074, ME007517, ME008815, ME017034, ME017035, ME017056, ME017061, MG120413

99.12660.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**-**
G Ø Externo do Dente	**38.80**
IG Ø Interno do Dente	**-**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**-**
IS Ø Interno da Estria	**-**
L Comprimento	**18.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.0887.0 / Applied on 99.0887.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.0887.0 **| Mitsubishi** Canter

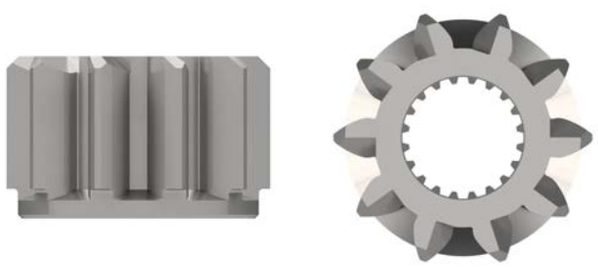
OEM *ORIGINAL*

Mitsubishi M605X27971, M605X36171 **| Onan** 1911443

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T56071, M2T62271, M2T65771, M2T66271, M2T66272, M2T74371

99.12812.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.47**
G Ø Externo do Dente	**32.80**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	
D Ø da Capa	**-**
SPL Número de Estrias	**20**
ES Ø Externo da Estria	**15.30**
IS Ø Interno da Estria	**13.70**
L Comprimento	**20.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1046.0 / Applied on 99.1046.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1046.0, Aplicado no Impulsor BZM 99.1047.0 / Applied on 99.1047.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1047.0 **| Mitsubishi** E2500 (Diesel XA), E3000, Fuso Canter 20, Fuso Canter 30, Fuso Canter 31, Fuso Canter 32 (1988), Fuso Canter 33, Fuso Canter 35, Fuso Canter 3600, Fuso Canter 4D30, Fuso Canter 4D31T (1987), Fuso Canter 4DRS (1984~1988), L200, Light Bus HA, Pá Carregadeira / Wheel Loader / Pala Cargadora S4E **| Nissan** Empilhadeira / Forklift / Apiladora

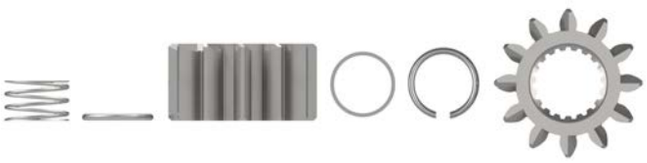
OEM *ORIGINAL*

Cargo 333873 **| Mitsubishi** M605X65171, MD607789

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M2T55271, M2T56181, M2T56182, M2T56185, M2T56271, M2T56471, M2T57771, M2T62971, M2T65271, M2T74171, MD069166, MD070934, MD084414, MD164975, MD164976

99.12839.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**14.60**
G Ø Externo do Dente	**44.90**
IG Ø Interno do Dente	**31.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**19**
ES Ø Externo da Estria	**21.60**
IS Ø Interno da Estria	**19.60**
L Comprimento	**23.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Bosch Aplicado no Impulsor Bosch 6033AD5055 / Applied in 6033AD5055 Bosch Starter Drive / Aplicado en el Impulsor de Arranque Bosch 6033AD5055, Aplicado no Impulsor Bosch 6033AD5078 / Applied in 6033AD5078 Bosch Starter Drive / Aplicado en el Impulsor de Arranque Bosch 6033AD5078 **| BZM** Aplicado no Impulsor BZM 99.1658.0 / Applied on 99.1658.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1658.0 **| Scania** Serie 4

OEM *ORIGINAL*

Bosch 6033AC5149, 6033AC5246 **| DAF** 1699235 **| MAN** 51262090008

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Bosch 0001241001, 0001241003, 0001241004, 0001241005, 0001241006, 0001241007, 0001241014, 0001241015, 0001241019, 0001241020, 2339402220 **| DAF** 1658730

99.12954.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**14.23**
G Ø Externo do Dente	**40.50**
IG Ø Interno do Dente	**28.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1679.0 / Applied on 99.1679.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1679.0, Aplicado no Impulsor BZM 99.1805.0 / Applied on 99.1805.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1805.0 **| Mercedes-Benz** 710 (OM 364 12v 29MT), 710 (OM 366 12v 29MT)

OEM *ORIGINAL*

Delco Remy 10515809

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8200004, 8200138, 8200296, 8200297, 8200512

99.12955.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**12.30**
G Ø Externo do Dente	**32.10**
IG Ø Interno do Dente	**22.45**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1679.0 / Applied on 99.1679.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1679.0, Aplicado no Impulsor BZM 99.1805.0 / Applied on 99.1805.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1805.0 **|** **Mercedes-Benz** 710 (OM 364 12v 29MT), 710 (OM 366 12v 29MT)

OEM *ORIGINAL*

Delco Remy 10515806

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8200064, 8200292, 8200331, 8200478

99.12956.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**14.15**
G Ø Externo do Dente	**37.80**
IG Ø Interno do Dente	**25.60**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1679.0 / Applied on 99.1679.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1679.0, Aplicado no Impulsor BZM 99.1805.0 / Applied on 99.1805.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1805.0 **|** **Mercedes-Benz** 710 (OM 364 12v 29MT), 710 (OM 366 12v 29MT) **|** **Volkswagen** Especial / Special **|** **Volvo** Especial / Special

OEM *ORIGINAL*

Delco Remy 10524148

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8200231, 8200326, 8200357

99.12957.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.40**
G Ø Externo do Dente	**40.00**
IG Ø Interno do Dente	**27.80**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1679.0 / Applied on 99.1679.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1679.0, Aplicado no Impulsor BZM 99.1805.0 / Applied on 99.1805.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1805.0 **| Mercedes-Benz** 1418R (OM 364 12v 29MT), 1418R (OM 366 12v 29MT), 1720 (OM 364 12v 29MT), 1720 (OM 366 12v 29MT), 1720K (OM 364 12v 29MT), 1720K (OM 366 12v 29MT), 710 (OM 364 12v 29MT), 710 (OM 366 12v 29MT), L 1620 (OM 364 12v 29MT), L 1620 (OM 366 12v 29MT), LO 814 (OM 364 12v 29MT), LO 814 (OM 366 12v 29MT)

OEM *ORIGINAL*

Delco Remy 10515808

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8200054, 8200196, 8200386, 8200400, 8200474, 8200495

99.12961.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**9**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**36.00**
IG Ø Interno do Dente	**22.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**21**
ES Ø Externo da Estria	**16.80**
IS Ø Interno da Estria	**15.30**
L Comprimento	**34.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1679.0 / Applied on 99.1679.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1679.0, Aplicado no Impulsor BZM 99.1805.0 / Applied on 99.1805.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1805.0 **| Mercedes-Benz** 1418R (OM 364 12v 29MT), 1418R (OM 366 12v 29MT), 1720 (OM 364 12v 29MT), 1720 (OM 366 12v 29MT), 1720K (OM 364 12v 29MT), 1720K (OM 366 12v 29MT), 710 (OM 364 12v 29MT), 710 (OM 366 12v 29MT), L 1620 (OM 364 12v 29MT), L 1620 (OM 366 12v 29MT), LO 814 (OM 364 12v

29MT), LO 814 (OM 366 12v 29MT)

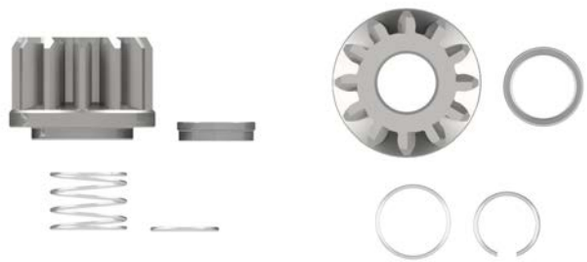
OEM *ORIGINAL*

Delco Remy 10515807

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8200003, 8200295, 8200511

99.12967.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**14.70**
G Ø Externo do Dente	**44.20**
IG Ø Interno do Dente	**30.85**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**26**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**17.80**
L Comprimento	**32.10**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1808.0 / Applied on 99.1808.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1808.0 **| Mercedes-Benz** Actros

OEM *ORIGINAL*

Mitsubishi 2S0, 335, 911

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M9T80472

99.12972.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.20**
G Ø Externo do Dente	**45.90**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**26**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**17.80**
L Comprimento	**32.20**

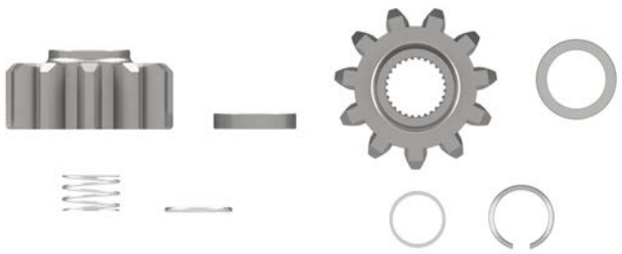
APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1661.0 / Applied on 99.1661.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1661.0 **| Volkswagen** Caminhão / Truck / Camión 26.260 (2008→) **| Volvo** FH, FM

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Mitsubishi M0097625727, M009T62571

99.13117.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**28**
ES Ø Externo da Estria	**20.60**
IS Ø Interno da Estria	**19.20**
L Comprimento	**27.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1810.0 / Applied on 99.1810.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1810.0 **|** **Case** Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7000 (Motor Cummins), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7700 (Motor Cummins) **|** **Cummins** Geradores / Generators / Generadores C350 D6 (Motor Cummins NTA855), Geradores / Generators / Generadores C400 D6 (Motor Cummins NTA855) **|** **Freightliner** Cascadia (Motor Cummins ISX), Cascadia (Motor Detroit S60), Century (Motor CAT C15), Coronado (Motor Cummins ISX), Detroit S60, Severe Duty (Motor Cummins ISX) **|** **International** Caminhões / Trucks / Camiones Paystar (Motor Cummins), Caminhões / Trucks / Camiones Prostar (Motor Cummins), Caminhões / Trucks / Camiones Transtar (Motor Cummins) **|** **Mack** Caminhões / Trucks / Camiones Granite (Motor Mack E7), Caminhões / Trucks / Camiones Mack (Motor E7), Caminhões / Trucks / Camiones Pinnacle (Motor Mack E7), Caminhões / Trucks / Camiones TerraPro (Motor Mack E7) **|** **Remy** Delco 39MT

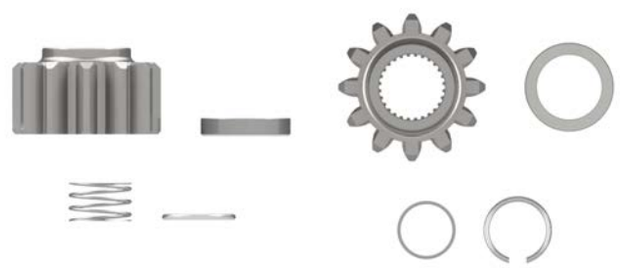
OEM *ORIGINAL*

Delco Remy 10526458

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011518, 19011519, 19011521, 19011522, 19011523, 19011527, 19011529, 8200050, 8200090, 8200201, 8200288, 8200289, 8200290, 8200308, 8200330, 8200431, 8200605, 8200699, 8200719

99.13118.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.60**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.60**
ID Ø da Bucha	
CW-CCW Sentido	**CW**
D Ø da Capa	
SPL Número de Estrias	**28**
ES Ø Externo da Estria	**20.60**
IS Ø Interno da Estria	**19.20**
L Comprimento	**27.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1810.0 / Applied on 99.1810.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1810.0 **|** **Case** Motoniveladora / Motor Grader / Motoniveladora 865, Motoniveladora / Motor Grader / Motoniveladora 865.2, Motoniveladora / Motor Grader / Motoniveladora 885, Motoniveladora / Motor Grader / Motoniveladora 885.2 **|** **Fiat Allis** Motoniveladora / Motor Grader / Motoniveladora FG 170, Motoniveladora / Motor Grader / Motoniveladora FG 170.2 , Motoniveladora / Motor Grader / Motoniveladora FG 200, Motoniveladora / Motor Grader / Motoniveladora FG 200.2, Trator de Esteira / Track-Type Tractor / Buldócer FD170 **|** **Freightliner** M2 106 (Motor Cummins ISC) **|** **Mack** Caminhões / Trucks / Camiones Granite (Motor Mack MP8), Caminhões / Trucks / Camiones Mack (Motor Mack MP8), Caminhões / Trucks / Camiones Pinnacle (Motor Mack MP8), Caminhões / Trucks /

Camiones TerraPro (Motor Mack MP8) **| Navistar** Caminhões / Trucks / Camiones Durastar (Motor MaxxForce), Caminhões / Trucks / Camiones Paystar (Motor MaxxForce), Caminhões / Trucks / Camiones Prostar (Motor MaxxForce), Caminhões / Trucks / Camiones Transtar (Motor MaxxForce) **| New Holland** Motoniveladora / Motor Grader / Motoniveladora 170, Motoniveladora / Motor Grader / Motoniveladora 200 **| Remy** Delco 39MT **| Volvo** Caminhões / Trucks / Camiones VHD (Motor 13L), Caminhões / Trucks / Camiones VHD (Motor D12), Caminhões / Trucks / Camiones VN (Motor 13L), Caminhões / Trucks / Camiones VN (Motor D12)

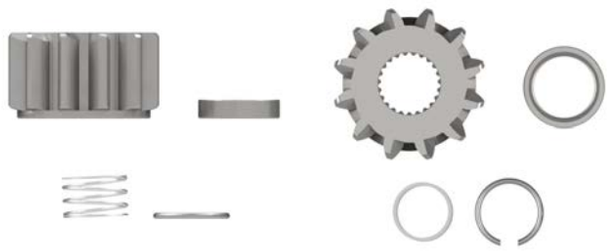
OEM *ORIGINAL*

Delco Remy 10526464

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011524, 8200081, 8200085, 8200087, 8200101, 8200291, 8200417, 8200433, 8200435, 8200446, 8200469, 8200572, 8200606

99.13130.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**46.26**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	
D Ø da Capa	
SPL Número de Estrias	**23**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.90**
L Comprimento	**25.80**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1809.0 / Applied on 99.1809.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1809.0, Aplicado no Impulsor BZM 99.1811.0 / Applied on 99.1811.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1811.0 **| Case** Trator / Tractor Magnum MX220 (Motor Cummins 8.3L), Trator / Tractor Magnum MX240 (Motor Cummins 8.3L), Trator / Tractor Magnum MX270 (Motor Cummins 8.3L) **| Cummins** Motor C (8.3L), Motor ISC (8.3L) **| Delco Remy** 38MT, Geração II / Generation II / Generación II **| Ford** Cargo 1622 (Motor Cummins 6CTAA 8.3L), Cargo 1630 (Motor Cummins 6CTAA 8.3L), Cargo 2422 (Motor Cummins 6CTAA 8.3L), Cargo 2425 (Motor Cummins 6CTAA 8.3L), Cargo 2622 (Motor Cummins 6CTAA 8.3L), Cargo 2626 (Motor Cummins 6CTAA 8.3L), Cargo 2630 (Motor Cummins 6CTAA 8.3L), Cargo 2631 (Motor Cummins 6CTAA 8.3L), Cargo 3222 (Motor Cummins 6CTAA 8.3L), Cargo 4030 (Motor Cummins 6CTAA 8.3L), Cargo Eletrônico / Electronic / Electrónico 2632, Cargo Eletrônico / Electronic / Electrónico 2932, Cargo Eletrônico / Electronic / Electrónico 4532, Cargo Eletrônico / Electronic / Electrónico 5032 **| Volkswagen** Caminhão / Truck / Camión 17220 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 17310 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 19370 (9.3L International, 18310, 19320, 31320), Caminhão / Truck / Camión 23210 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 23220 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 23310 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 24220 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 25370 (9.3L International, 18310, 19320, 313209.3L International, 18310, 19320, 31320), Caminhão / Truck / Camión 26220 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 26260 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 26310 (Motor Cummins 6CTAA 8.3L), Caminhão / Truck / Camión 31370 (9.3L International, 18310, 19320, 31320), Constellation (Motor Cummins ISC 8.3L), Ônibus / Bus / Ómnibus 19320EOT - Queops Evolution (Motor Cummins ISC 8.3L), Titan Tractor (Motor Cummins ISC 8.3L) **| Volvo** FH12, NH12

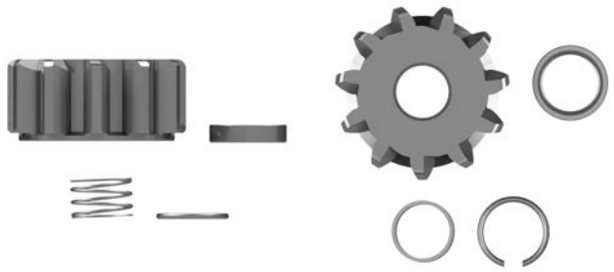
OEM *ORIGINAL*

Delco Remy 10512090

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011511, 19011512, 19011513, 19011524, 8200005, 8200025, 8200053, 8200072, 8200081, 8200085, 8200087, 8200101, 8200182, 8200291, 8200356, 8200417, 8200469, 8200486, 8200572

99.13131.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**11**
2T Dois Dentes	**20.60**
G Ø Externo do Dente	**56.70**
IG Ø Interno do Dente	**42.70**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**23**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.90**
L Comprimento	**26.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1811.0 / Applied on 99.1811.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1811.0 **|** **Case** Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7000 (Motor Cummins), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A7700 (Motor Cummins) **|** **Delco Remy** 39MT, Geração II / Generation II / Generación II **|** **Terex** Empilhadeira / Forklift / Apiladora GEP 23

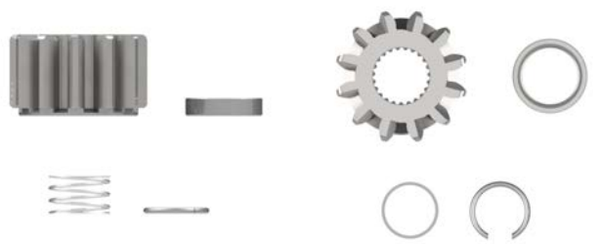
OEM *ORIGINAL*

Delco Remy 10511405

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011507, 19011509, 19011518, 19011519, 19011521, 19011522, 19011523, 19011527, 19011529, 8200032, 8200034, 8200039, 8200040, 8200041, 8200050, 8200090, 8200201, 8200288, 8200289, 8200290

99.13132.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**14.55**
G Ø Externo do Dente	**43.70**
IG Ø Interno do Dente	**30.40**
ID Ø da Bucha	**-**
CW-CCW Sentido	**CW**
D Ø da Capa	**-**
SPL Número de Estrias	**23**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.90**
L Comprimento	**26.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1811.0 / Applied on 99.1811.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1811.0 **|** **Delco Remy** 39MT, Geração II / Generation II / Generación II **|** **Freightliner** Cascadia (Motor MBE4000), Century (Motor MBE4000), Motor MBE4000

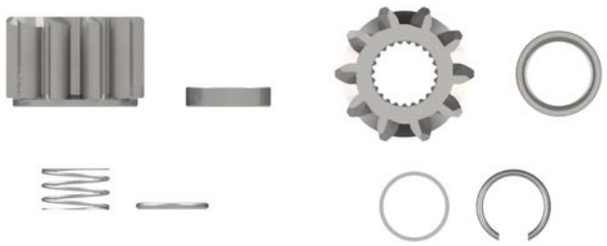
OEM *ORIGINAL*

Delco Remy 10511407

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19011514, 8200287

99.13138.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**10**
2T Dois Dentes	**15.45**
G Ø Externo do Dente	**39.70**
IG Ø Interno do Dente	**28.20**
ID Ø da Bucha	**-**
CW-CCW Sentido	
D Ø da Capa	**-**
SPL Número de Estrias	**23**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.90**
L Comprimento	**26.00**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1809.0 / Applied on 99.1809.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1809.0 **|** **Case IH** C9 8200242 (38MT 24v), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A8000 (Motor Case IH C9), Colheitadeira de Cana / Sugar Cane Harvesters / Cosechadora de Caña A8800 (Motor Case IH C9)

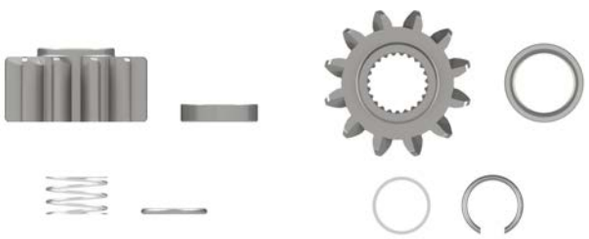
OEM *ORIGINAL*

Delco Remy 10512091

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 19026027, 8200075, 8200077, 8200078, 8200242

99.13462.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.50**
G Ø Externo do Dente	**46.25**
IG Ø Interno do Dente	**34.90**
ID Ø da Bucha	**-**
CW-CCW Sentido	**-**
D Ø da Capa	**-**
SPL Número de Estrias	**23**
ES Ø Externo da Estria	**18.50**
IS Ø Interno da Estria	**16.90**
L Comprimento	**23.50**

APLICAÇÃO *APPLICATION / APLICACIÓN*

Kalmar Caminhão / Truck / Camión (Cummins Diesel, 2012) **|** **Volvo** Ônibus / Bus / Ómnibus B12M (340 Artic DH12D 340cv Euro III Diesel, 2004~2011), Ônibus / Bus / Ómnibus B12M (340 Biart DH12D 340cv Euro III Diesel, 2004~2011), Ônibus / Bus / Ómnibus B12R (340 4x2 D12D 340cv Euro III Diesel, 2003~2010), Ônibus / Bus / Ómnibus B12R (340 6x2 D12D 340cv Euro III Diesel, 2003~2010), Ônibus / Bus / Ómnibus B12R (380 6x2 D12D 380cv Euro III Diesel, 2003~2011), Ônibus / Bus / Ómnibus B12R (380 8x2 D12D 380cv Euro III Diesel, 2010~2011), Ônibus / Bus / Ómnibus B12R (420 4x2 D12D 420cv Euro III Diesel, 2003~2010), Ônibus / Bus / Ómnibus B12R (420 6X2 D12D 420cv EURO III Diesel, 2003~2011), Ônibus / Bus / Ómnibus B12R (420 8x2 D12D 420cv Euro III Diesel, 2010~2011), Ônibus / Bus / Ómnibus B340M (Artic DH12E 340cv Euro III Diesel, 2011~2012), Ônibus / Bus / Ómnibus B340M (Artic DH12E 340cv Euro V Diesel, 2013→), Ônibus / Bus / Ómnibus B340M (Biart DH12E 340cv Euro III Diesel, 2011~2012), Ônibus / Bus / Ómnibus B340M (Biart DH12E 340cv Euro V Diesel, 2013→), Ônibus / Bus / Ómnibus B420R (D12D 420cv EURO III Diesel, 2011~2012)

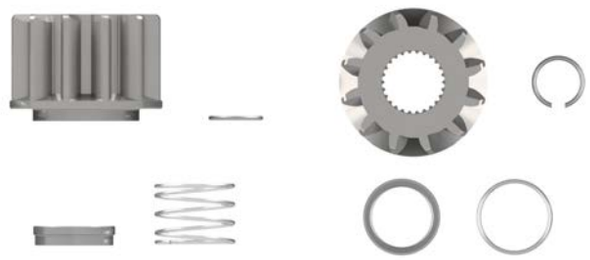
OEM *ORIGINAL*

Delco Remy 10542073

MOTOR *STARTER MOTOR | MOTOR DE ARRANQUE*

Delco Remy 8201047, DR35050VL **| Lester** 30510, 5413, 5414 **| Volvo** 11127679, 20430564

99.13552.0



DIMENSÕES *DIMENSIONS / DIMENSIONES*	
T Número de Dentes	**12**
2T Dois Dentes	**15.10**
G Ø Externo do Dente	**34.40**
IG Ø Interno do Dente	
ID Ø da Bucha	
CW-CCW Sentido	
D Ø da Capa	
SPL Número de Estrias	**26**
ES Ø Externo da Estria	**19.30**
IS Ø Interno da Estria	**17.80**
L Comprimento	**32.20**

APLICAÇÃO *APPLICATION / APLICACIÓN*

BZM Aplicado no Impulsor BZM 99.1661.0 / Applied on 99.1661.0 BZM Starter Drive / Se aplica al Impulsor de Arranque BZM 99.1661.0 **| Scania** Caminhão / Truck / Camión

CATALOGUE

CATÁLOGO 2022/2023

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REVISIÓN | REDACCIÓN

Thayrine Lang Bittencourt Max

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