

CATÁLOGO

Catalogue • Catálogo



IMPULSORES DE PARTIDA, PINHÕES E PLANETÁRIAS

*Starter Drives, Pinions
and Planetary Gears*

*Impulsores de Arranque,
Piñones y Planetários*

MOTOCICLETAS

Motorcycles | Motocicletas

2022 • 2023





Sediada em Brusque, Santa Catarina, a ZEN S.A., opera no setor automotivo desde 1960 e é uma importante indústria de peças originais e de reposição para o mercado global. Com exportações diretas para mais de 60 países, a empresa é uma das maiores fabricantes de impulsores do mundo. Dentre suas linhas de produtos também estão polias de alternador, tensores de correia, kits de distribuição, motores de partida, alternadores, rolamentos, mancais, planetárias e outros conformados a frio e a morno.

Headquartered in Brusque, Santa Catarina, ZEN S.A. operates in the automotive sector since 1960 and is an important industry of original and aftermarket parts for the global market. With direct exports to more than 60 countries, the company is one of the largest manufacturers of starter drives in the world. Among its product lines are also alternator pulleys, belt tensioners, distribution kits, starter motors, alternators, bearings, housings, planetary gears and other cold or warm forged products.

Con sede en Brusque, Santa Catarina, ZEN S.A., opera en el sector automovilístico desde 1960 y es una importante industria de piezas originales y de repuesto para el mercado global. Con exportaciones directas para más de 60 países, la empresa es una de las fabricantes más grandes de impulsores de arranque del mundo. Entre sus líneas de productos también están poleas de alternador, tensores de correia, kits de distribución, motores de arranque, alternadores, rodamientos, tapas, planetários y otros conformados a frio y tibio.



MISSÃO MISSION / MISIÓN

Desenvolver, produzir e fornecer componentes e sistemas para veículos automotores, para os segmentos original e reposição, com geração de valor para o negócio, clientes e sociedade.

To develop, produce and supply components and systems for automotive vehicles in the original equipment and aftermarket segments, generating value for the business, customers and society.

Desarrollar, producir y suministrar componentes y sistemas para vehículos automotores, para los segmentos original y de reemplazo, con generación de valor para el negocio, los clientes y la sociedad.

VISÃO VISION / VISIÓN

Ser instrumento para o progresso sustentável que conquiste a preferência de nossos clientes e o orgulho da nossa equipe, através da inovação, qualidade e excelência operacional.

Being an instrument for the sustainable progress in order to win our customers' preference and our team's pride, through innovation, quality and operational excellence.

Ser un instrumento para el progreso sostenible, con el objetivo de conquistar la preferéncia de nuestros clientes y el orgullo de nuestro equipo, a través de la innovación, la calidad y la excelencia operacional.

VALORES VALUES / VALORES

COMPROMETIMENTO • SINCERIDADE • INTEGRIDADE
SENDO DE URGÊNCIA • ESPÍRITO EMPREENDEDOR

*Commitment • Candor • Integrity • Sense of Urgency • Entrepreneurship
Compromiso • Sinceridad • Integridad • Sentido de Urgencia • Espíritu emprendedor*

AS NOVAS LINHAS DE PRODUTOS ZEN CHEGARAM

LLEGARON LOS NUEVOS PRODUCTOS ZEN

**MOTORES DE PARTIDA,
ALTERNADORES
E ROLAMENTOS ZEN**

- **Qualidade** ✓
- **Durabilidade** ✓
- **Variedade de produtos** ✓



PRODUTOS DISPONÍVEIS NOS MELHORES DISTRIBUIDORES.

Productos disponibles en los mejores distribuidores.



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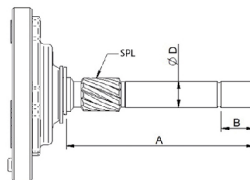
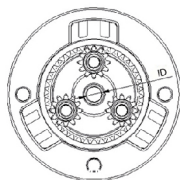
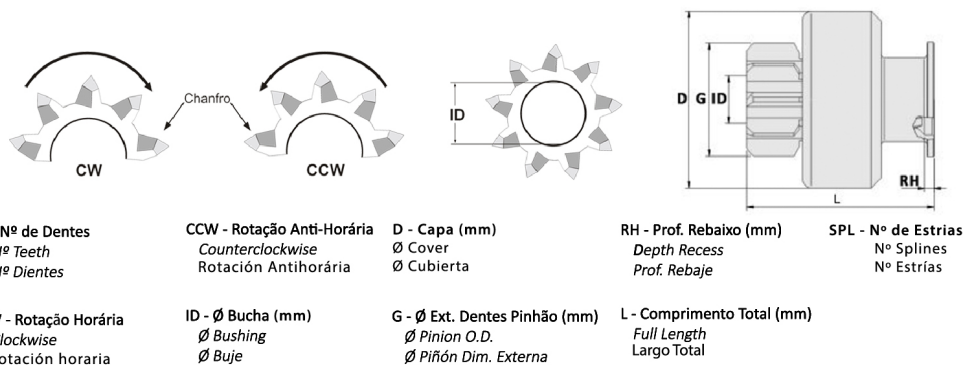
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ID - Ø da bucha (mm)
Shaft Ø Bushing
Buje Ø eje

SPL - Nº de Estrias
Nº Splines
Nº Estrías

D - Ø Eixo (mm)
Ø Shaft
Ø Eje

A - Comprimento eixo livre (mm)
Free Shaft Length
Largo libre de eje

B - Comprimento até o canal (mm)
Shaft len. up to the chan
Largo del eje hasta canal



PESQUISA POR NÚMERO ZEN

Search by ZEN P/N# - Búsqueda por Número ZEN



Impulsor de Partida

Starter Drive

Impulsor de Arranque

1.01.0223.0	0223	16
1.01.0325.0	0325	16
1.01.0482.0	0482	16
1.01.0749.0	0749	16
1.01.0751.0	0751	16
1.01.0754.0	0754	16
1.01.0818.0	0818	16
1.01.0898.0	0898	16
1.01.0947.0	0947	16
1.01.0750.1	1201	16
1.01.1566.0	1566	16
1.01.1722.0	1722	16
	1941	16

Alfa Romeo	Nº ZEN	Pg.
2600TT	0223	16
Alfa 164 2.0	0482	16
Alfa 164 3.0	0482	16
Alfa 33 1.3, 1.5, 1.6	0482	16
Alfa 75 2.0	0482	16
Alfa 90 2.0	0482	16

Audi	Nº ZEN	Pg.
100	0482	16
100INJ	0482	16
200	0482	16
80 1.6, 1.8 e 1.9	0482	16
80D	0482	16
80INL	0482	16
80TD	0482	16
90	0482	16
90D	0482	16
Coupe 1.6	0482	16
Quattro	0482	16

BMW	Nº ZEN	Pg.
1500	0223	16
1502	0223	16
1600	0223	16
1602	0223	16
1800	0223	16
1800TI	0223	16
1802	0223	16
2000	0223	16
2002	0223	16
2002 Turbo	0223	16
2500	0223	16
2800	0223	16
3000	0223	16
316	0223	16
318	0223	16
320	0223	16
320I	0223	16
325E	0482	16
325i	0482	16
3300	0223	16
518	0223	16
520	0223	16
520I	0223	16
525	0223	16
525E	0482	16
528	0223	16
528I	0223	16
728	0223	16
90	0482	16
900	0482	16
900 Turbo	0482	16
900 Turbo 16	0482	16
9000	0482	16
900INJ	0482	16
R100	0325	16
R45	0325	16
R60	0325	16

BMW	Nº ZEN	Pg.
R65	0325	16
R75	0325	16
R80	0325	16

BRP	Nº ZEN	Pg.
Can Am Quadriciclo Outlander 450 cc	1941	16
Sea Doo 947	0749	16

Chrysler	Nº ZEN	Pg.
Daytona 3.0	1201	16
Fifty Avenue Lebaron	1201	16
Saragata 3.0	1201	16
Voyager 3.0 V6	1201	16

Citroën	Nº ZEN	Pg.
AX	0482	16
BX14	0482	16
BX16	0482	16
LNA 11	0482	16
Visa 10	0482	16
Visa 11	0482	16
Visa 14 ZX 1.9i, 2.0i	0482	16

Daihatsu	Nº ZEN	Pg.
Rocky F80	0947	16
Rocky F80	1722	16

Especial/Special	Nº ZEN	Pg.
Motocicletas	0818	16
Motocicletas	0947	16
Motocicletas	1722	16

Fiat	Nº ZEN	Pg.
128 1.1 e 1.3	0325	16
131 Mirafiori 1.3	0325	16
Marea ELX 1.9 JTD	0482	16
Marea Weekend ELX 1.9 JTD	0482	16
Palio EX/ ELX Turbo Diesel	0482	16
Palio SX 1.7 Turbo Diesel	0482	16
Palio Weekend ELX Turbo Diesel	0482	16
Panda 1000	0482	16
Panda 750	0482	16
Siena EX / ELX Turbo Diesel	0482	16
Stilo 1.9 JTD	0482	16
Strada 1.7 Turbo Diesel	0482	16
Uno 45	0482	16
X1/9 1.3	0325	16

Ford	Nº ZEN	Pg.
Capri 2.3	0482	16
Granada 2.0, 2.3, 2.4, 2.8, 2.9	0482	16
Ranger 2.5 D	0818	16
Scorpio 2.4, 2.8, 2.8 INJ, 2.9, 2.9 4X4	0482	16
Sierra 2.0, 2.3, 2.3 INJ, 2.8, 2.8 4X4, 2.9	0482	16
Transit 100	0223	16
Transit 1250	0223	16
Transit 1500	0223	16
Transit 800	0223	16

General Motors/Chevrolet	Nº ZEN	Pg.
Corsa 1.0, 1.4	0482	16
Omega 3.0, 4.1	0482	16
Omega Suprema 2.2, 3.0	0482	16
Silverado 4.1	0482	16
Harley Davidson	Nº ZEN	Pg.
Disc Glide - FXDG	0898	16
Disc Glide - FXRDG	0898	16
Electra Glide - FLH	0898	16
Electra Glide - FLH 1200	0898	16
Electra Glide - FLH-80	0898	16
Electra Glide - FLHS	0898	16
Electra Glide - FLHT	0898	16
Electra Glide Classic - FLHC	0898	16
Electra Glide Classic - FLHTC	0898	16
Electra Glide Special - FLHX	0898	16
Electra Glide Sport - FLHS	0898	16
Electra Glide Super Sport - FLHFB	0898	16
Fat Bob - FXEF	0898	16
Fat Bob - FXEF 1200	0898	16
Fat Bob - FXEF-80	0898	16
Glide Heritage - FLH	0898	16
Harley Davidson FL	0898	16
Harley Davidson FLH	0898	16
Harley Davidson FS	0898	16
Heritage Softail - FLST	0898	16
Heritage Softail Classic - FLSTC	0898	16
Low Glide - FXRS	0898	16
Low Glide Custom - FXRC	0898	16
Moto	1566	16
MY91 - 06 BT except MY06 Dyna	1201	16
MY91 - 06 BT except MY06 Dyna	1566	16
Honda	Nº ZEN	Pg.
Accord	0818	16
Civic	0818	16
Jaguar	Nº ZEN	Pg.
HJ 12 6.0	0818	16
XJS 5.3 V12	0818	16
XJS 6.0	0818	16
JCB	Nº ZEN	Pg.
Escavadeira	0947	16
Escavadeira	1722	16
Kawasaki	Nº ZEN	Pg.
1100 - STX, ZXI E Ultra 150	0749	16
33	0223	16
34	0223	16
650 - SC, X2	0749	16
750 - SS, ST, STS, STX, SX, SXI, TS, XI, ZXI	0749	16
900 - STX, ZXI	0749	16
ATV 300 4x4	0751	16
Magnum 2x4	0751	16
Magnum 4x4	0751	16
Sportsman 4x4	0751	16

KHD	Nº ZEN	Pg.
D25	0223	16
D2505	0223	16
D30	0223	16
D30 S	0223	16
D3005	0223	16
F2L712	0223	16
F2L812	0223	16
Lancia	Nº ZEN	Pg.
Thema 8.32	0482	16
Land Rover	Nº ZEN	Pg.
Freelander 2.0 TD4	0818	16
Lexus	Nº ZEN	Pg.
LS 400	0818	16
Mazda	Nº ZEN	Pg.
B2200	0947	16
B2200	1722	16
Mercedes Benz	Nº ZEN	Pg.
190	0482	16
190E	0482	16
200	0482	16
230	0482	16
L206	0223	16
L207	0223	16
L306	0223	16
L307	0223	16
Opel	Nº ZEN	Pg.
Ascona 1.2	0325	16
Ascona Diesel	0482	16
Ascona C20	0482	16
D 1.0, 1.2	0325	16
Kadett 1.0, 1.2	0325	16
Kadett Diesel	0482	16
Manta A, B12	0325	16
Omega 1.8, 2.0	0482	16
Peugeot	Nº ZEN	Pg.
205	0482	16
305	0482	16
309	0482	16
405	0482	16
505	0482	16
Polaris	Nº ZEN	Pg.
1050 - SLTH, SLTX	0749	16
400L 2x4	0751	16
400L Big Boss 6x6	0751	16
650 - SL, STD	0749	16
700 - Hurricane, SL, SLH, SLT, SLTX	0749	16
780 - SL, SLT, SLX	0749	16
900 - SL	0749	16
ATV 300 4x4	0751	16
Jet Ski	0751	16
Magnum 4x4	0751	16
Sportman 4x4	0751	16

Polaris	Nº ZEN	Pg.
Trail Boss 250, Xplorer 4x4 Todos exceto 325cc	0751	16
Xplorer 4x4	0751	16
Porsche	Nº ZEN	Pg.
33.1	0223	16
616	0223	16
Renault	Nº ZEN	Pg.
GTL	0325	16
R 6TL	0325	16
R 7TL	0325	16
R11	0482	16
R12	0325	16
R18	0482	16
R18 turbo	0482	16
R4	0325	16
R5	0325	16
R9	0482	16
TL	0325	16
Trafic	0482	16
TS Turbo	0325	16
Twingo I 1.2 1239ccm C3G	0482	16
TX	0325	16
Seat	Nº ZEN	Pg.
1200 Sport	0325	16
124 D 1430	0325	16
124 D especial 1.2 e 1.4	0325	16
127 0.9	0325	16
131	0325	16
131 L 1430	0325	16
Ritmo 65,75	0325	16
Supermirafiori 1430	0325	16
Terra	0325	16
Toyota	Nº ZEN	Pg.
2S	0947	16
2S	1722	16
2Y	0947	16
2Y 2.2	0947	16
2Y	1722	16
2Y 2.2	1722	16
3Y	0947	16
3Y	1722	16
Camry	0947	16
Camry	1722	16
Carina	0947	16
Carina	1722	16
Celica	0947	16
Celica	1722	16
Corolla	0818	16
Corolla	0947	16
Corolla	1722	16
Dyna	0947	16
Dyna	1722	16
Hilux	0947	16
Hilux	1722	16
JR 7	0947	16

Toyota	Nº ZEN	Pg.
JR 7	1722	16
Land Cruiser 4.7	0818	16
MR 2	0947	16
MR 2	1722	16
Tacoma	0818	16
Tercel	0947	16
Tercel	1722	16
Volkswagen	Nº ZEN	Pg.
Derby	0482	16
Gol	0482	16
Golf 1.1, 1.3	0482	16
Jetta 1.3	0482	16
Kombi	0482	16
Passat 1.6, 1.8	0482	16
Polo Diesel 1.0, 1.3	0482	16
Santana	0482	16
Satation Wagon Diesel (USA) 1.6	0482	16
Scirocco	0482	16
Transporter 1.6 Diesel	0482	16
Voyage	0482	16
Volvo	Nº ZEN	Pg.
740 2.0 e 2.3	0482	16
Yale	Nº ZEN	Pg.
Empilhadeira	0818	16
Yamaha	Nº ZEN	Pg.
1100 - Wave Raider, Venture	0749	16
1200 / 1200R - GP, XL Wave Runner	0749	16
650 - I, II, LX, Super Jet, VXR, VXRPRO, XR	0749	16
700/701 Wave Blaster,FX1 Raider, Runner, Super Jet, Venture, VXR	0749	16
760 - Wave Blaster II,GP, Raider, Runner	0749	16
LX500	0754	16
ZEN	Nº ZEN	Pg.
Utiliza Pinhão ZEN 9186	0818	16
Utiliza Pinhão ZEN 9186	0947	16
Utiliza Pinhão ZEN 9186	1722	16
Utiliza Pinhão ZEN 9492	1566	16
Utilizado no Impulsor ZEN 0750	1201	16
Utilizado no impulsor ZEN 0816	1201	16
Utilizado no impulsor ZEN 0817	1201	16
Utilizado no impulsor ZEN 0818	1201	16
Utilizado no Impulsor ZEN 0954	1201	16

Bosch	Nº ZEN	Pg.
1006209030	0223	16
1006209032	0223	16
1006209039	0223	16
1006209049	0223	16
1006209056	0223	16
1006209071	0223	16
1006209105	0223	16
1006209110	0223	16
1006209140	0223	16
1006209401	0325	16
1006209445	0325	16
1006209503	0482	16
1006209504	0482	16
1006209506	0482	16
1006209509	0482	16
1006209513	0482	16
1006209526	0482	16
1006209528	0482	16
1006209530	0482	16
1006209531	0482	16
1006209533	0482	16
1006209536	0482	16
1006209548	0482	16
1006209563	0482	16
1006209567	0482	16
1006209570	0482	16
1006209572	0482	16
1006209573	0482	16
1006209582	0482	16
1006209597	0482	16
1006209598	0482	16
1006209619	0482	16
1006209684	0482	16
1006209685	0482	16
1006209693	0482	16
1006209700	0482	16
1006209701	0482	16
1006209705	0482	16
1006209709	0482	16
1006209939	0482	16
2006208013	0223	16
9003336212	0223	16
F000AL1516	0482	16
F000AL1534	0482	16
F000AL1698	0482	16
F000AL1700	0482	16
Cargo	Nº ZEN	Pg.
131104	0482	16
132004	0947	16
132004	1722	16
137753	0818	16
Facet	Nº ZEN	Pg.
10036	0898	16
480105	0898	16
480183	0898	16

Fiat	Nº ZEN	Pg.
9934752	0325	16
9941314	0482	16
General Motors/	Nº ZEN	Pg.
90273737	0482	16
Honda	Nº ZEN	Pg.
31204657617	0947	16
31204657617	1722	16
Ishikawajima	Nº ZEN	Pg.
185866150	0947	16
185866150	1722	16
Isuzu	Nº ZEN	Pg.
8941291870	0947	16
8941291870	1722	16
Italacciai	Nº ZEN	Pg.
SD055	0325	16
SD306	0223	16
SD437	0482	16
SD496	0325	16
Kawasaki	Nº ZEN	Pg.
131013701	0749	16
131013703	0749	16
131013705	0749	16
131013706	0749	16
Kubota	Nº ZEN	Pg.
1550463041	0947	16
1550463041	1722	16
Lester	Nº ZEN	Pg.
16248	0947	16
16248	1722	16
16251	0947	16
16251	1722	16
16320	0223	16
16334	0223	16
16336	0223	16
16344	0223	16
16356	0223	16
16362	0223	16
16401	0482	16
16408	0482	16
16438	0325	16
16442	0223	16
16578	0947	16
16578	1722	16
16586	0947	16
16586	1722	16
16600	0947	16
16600	1722	16
16612	0947	16
16612	1722	16
16619	0482	16
16674	0947	16
16674	1722	16
16687	0223	16
16735	0947	16
16735	1722	16

Lester	Nº ZEN	Pg.
16736	0947	16
16736	1722	16
16737	0947	16
16737	1722	16
16759	0947	16
16759	1722	16
16760	0947	16
16760	1722	16
16761	0947	16
16761	1722	16
16786	0947	16
16786	1722	16
16790	0947	16
16790	1722	16
16802	0947	16
16802	1722	16
16821	0947	16
16821	1722	16
16823	0947	16
16823	1722	16
16825	0947	16
16825	1722	16
16826	0947	16
16826	1722	16
16827	0947	16
16827	1722	16
16828	0947	16
16828	1722	16
16829	0947	16
16829	1722	16
16831	0947	16
16831	1722	16
16833	0947	16
16833	1722	16
16834	0947	16
16834	1722	16
16837	0947	16
16837	1722	16
16878	0947	16
16878	1722	16
16892	0947	16
16892	1722	16
16895	0947	16
16895	1722	16
16906	0947	16
16906	1722	16
16911	0947	16
16911	1722	16
16913	0947	16
16913	1722	16
16952	0482	16
16956	0482	16
16980	0482	16
17002	0947	16
17002	1722	16

Lester	Nº ZEN	Pg.
17003	0947	16
17003	1722	16
17011	0482	16
17013	0482	16
17027	0947	16
17027	1722	16
17039	0482	16
17124	0482	16
17125	0947	16
17125	1722	16
17135	0482	16
17140	0482	16
17143	0947	16
17143	1722	16
17157	0482	16
17163	0482	16
17164	0482	16
17165	0482	16
17171	0947	16
17171	1722	16
17225	0482	16
17240	0947	16
17240	1722	16
17251	0947	16
17251	1722	16
17256	0947	16
17256	1722	16
17345	0947	16
17345	1722	16
17406	0482	16
17407	0482	16
17408	0482	16
17414	0223	16
17420	0947	16
17420	1722	16
17422	0947	16
17422	1722	16
17481	0947	16
17481	1722	16
17487	0947	16
17487	1722	16
17508	0482	16
17521	0947	16
17521	1722	16
17530	0947	16
17530	1722	16
17537	0947	16
17537	1722	16
17576	0482	16
17664	0482	16
17699	0482	16
18181	0947	16
18181	1722	16
18182	0947	16
18182	1722	16

Lester	Nº ZEN	Pg.
18330	0749	16
18648	0749	16
Lucas	Nº ZEN	Pg.
TMB455	0482	16
TMB570	0482	16
Lucas Indiel	Nº ZEN	Pg.
223261	0482	16
223320	0223	16
223573	0325	16
Mitsuba	Nº ZEN	Pg.
SM13	0751	16
Nippon	Nº ZEN	Pg.
0283007940	0818	16
Nippondenso	Nº ZEN	Pg.
283000010	1201	16
0283001600	0947	16
0283001600	1722	16
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0283001601	1722	16
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0283001791	1722	16
0283001800	0947	16
0283001800	1722	16
0283002000	0947	16
0283002000	1722	16
0283002110	0947	16
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0283002111	0947	16
0283002111	1722	16
0283002270	0947	16
0283002270	1722	16
0283003630	0947	16
0283003630	1722	16
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0283006940	0947	16
0283006940	1722	16
0283006990	0818	16
0283007170	0818	16
0283007990	0818	16
Polaris	Nº ZEN	Pg.
3084981	0751	16
3240120	0749	16
4060119	0749	16
Rotax	Nº ZEN	Pg.
294811	1941	16
684053	1941	16

Rotax	Nº ZEN	Pg.
684054	1941	16
684056	1941	16
684057	1941	16
684058	1941	16
Toyota	Nº ZEN	Pg.
2801120540	0947	16
2801120540	1722	16
2801126041	0947	16
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2801126042	0947	16
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2801135030	0947	16
2801135030	1722	16
2801176070	0818	16
2810110710	0947	16
2810110710	1722	16
Unipoint	Nº ZEN	Pg.
SD5053	1722	16
Volkswagen	Nº ZEN	Pg.
02A911023	0482	16
049911335A	0482	16
WAI	Nº ZEN	Pg.
0015	0754	16
54169	0898	16
548202	0947	16
548235	0818	16
548268	1566	16
548501	0749	16
548505	0751	16
549127	0223	16
549140	0482	16
5482401	1201	16
5491139	0325	16
Yamaha	Nº ZEN	Pg.
6M68183E0000	0749	16

Bosch	Nº ZEN	Pg.
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0001108001	0482	16
0001108002	0482	16
0001108003	0482	16
0001108007	0482	16
0001108009	0482	16
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0001108098	0482	16
0001108101	0482	16
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0001108107	0482	16
0001108112	0482	16
0001108113	0482	16
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Bosch	Nº ZEN	Pg.
0001108124	0482	16
0001108125	0482	16
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0001110022	0482	16
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0001110048	0482	16
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0001110052	0482	16
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0001110101	0482	16
0001110106	0482	16
0001110107	0482	16
0001110122	0482	16
0001110128	0482	16
0001112005	0482	16
0001112007	0482	16
0001112008	0482	16
0001112013	0482	16
0001112015	0482	16
0001112021	0482	16
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0001112027	0482	16
0001112028	0482	16
0001112029	0482	16
0001112044	0482	16
0001113001	0482	16
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0001113013	0482	16
0001114003	0482	16
0001114015	0482	16
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0001157021	0325	16
0001157023	0325	16
0001207003	0223	16
0001207006	0223	16
0001207012	0223	16
0001207014	0223	16
0001207015	0223	16
0001208004	0223	16
0001208006	0223	16

Bosch	Nº ZEN	Pg.
0001208007	0223	16
0001208032	0223	16
0001208501	0482	16
0001208507	0482	16
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0001208516	0482	16
0001208517	0482	16
0001208518	0482	16
0001208528	0482	16
0001208705	0482	16
0001208707	0482	16
0001208709	0482	16
0001208710	0482	16
0001208711	0482	16
0001208713	0482	16
0001208714	0482	16
0001208717	0482	16
0001209001	0223	16
0001209006	0223	16
0001209014	0223	16
0001211020	0223	16
0001211500	0482	16
0001211501	0482	16
0001211502	0482	16
0001211503	0482	16
0001211504	0482	16
0001211505	0482	16
0001211510	0482	16
0001211514	0482	16
0001211525	0482	16
0001211536	0482	16
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0001214001	0223	16
0001310005	0223	16
0001310010	0223	16
0001310013	0223	16
0001311007	0223	16
0001311016	0223	16
0001311025	0223	16
0001311045	0223	16
9000141100	0325	16
9000141101	0325	16
9000141103	0325	16
9000141107	0325	16
9000141108	0325	16
9000141111	0325	16
9000141112	0325	16
9000141114	0325	16
9000333104	0482	16
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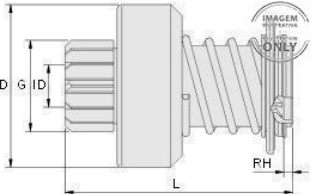
Daihatsu	Nº ZEN	Pg.
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Harley Davidson	Nº ZEN	Pg.
3145564	0898	16
3145564A	0898	16
Ishikawajima	Nº ZEN	Pg.
185086240	0947	16
185086240	1722	16
185086340	0947	16
185086340	1722	16
Kubota	Nº ZEN	Pg.
1550463011	0947	16
1550463011	1722	16
1574163011	0947	16
1574163011	1722	16
Nippon	Nº ZEN	Pg.
2280000990	0818	16
2280000991	0818	16
2280001060	0818	16
2280001530	0818	16
2280001531	0818	16
2280004570	0818	16
2280006482	0818	16
2280007800	0818	16
2280007801	0818	16
Nippondenso	Nº ZEN	Pg.
280004010	1722	16
280004343	0947	16
280004343	1722	16
280004450	0947	16
280004450	1722	16
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280005900	1722	16
280005912	0947	16
280005912	1722	16
280006001	0947	16
280006001	1722	16
280006120	0947	16
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280006332	0947	16
280006332	1722	16
280006362	0947	16
280006362	1722	16
280006450	0947	16
280006450	1722	16
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280007321	0947	16
280007321	1722	16
280007392	0947	16
280007392	1722	16
280007560	0947	16
280007560	1722	16
280007620	0947	16
280007620	1722	16

Nippondenso	Nº ZEN	Pg.	Nippondenso	Nº ZEN	Pg.	Nippondenso	Nº ZEN	Pg.	Toyota	Nº ZEN	Pg.
280008050	0947	16	1280003670	1722	16	2280000960	0947	16	2810015040	0947	16
280008050	1722	16	1280003990	0947	16	2280000960	1722	16	2810015040	1722	16
280008060	0947	16	1280003990	1722	16	2280001100	0947	16	2810015070	0947	16
280008060	1722	16	1280004420	0947	16	2280001100	1722	16	2810015070	1722	16
280008220	0947	16	1280004420	1722	16	2280001110	0947	16	2810015130	0947	16
280008220	1722	16	1280005110	1722	16	2280001110	1722	16	2810015130	1722	16
280008261	0947	16	1280005261	0947	16	2280001160	0818	16	2810015180	0947	16
280008261	1722	16	1280005261	1722	16	2280001710	0947	16	2810015180	1722	16
280008290	0947	16	1280005410	0947	16	2280001710	1722	16	2810016020	0947	16
280008290	1722	16	1280005410	1722	16	2280002020	0947	16	2810016020	1722	16
280008320	0947	16	1280005700	0947	16	2280002020	1722	16	2810016080	0947	16
280008320	1722	16	1280005700	1722	16	2280002121	0947	16	2810016080	1722	16
280008850	0947	16	1280005780	0947	16	2280002121	1722	16	2810016110	0947	16
280008850	1722	16	1280005780	1722	16	2280002300	0947	16	2810016110	1722	16
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280009070	1722	16	1280005781	1722	16	2280002610	0947	16	2810027010	0947	16
280009260	0947	16	1280005840	0947	16	2280002610	1722	16	2810027010	1722	16
280009260	1722	16	1280005840	1722	16	2280002620	0947	16	2810027030	0947	16
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1280000500	1722	16	1280008070	0947	16	2280003200	0947	16	2810042040	0947	16
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1280001370	1722	16	1280008210	0818	16	2280004320	0947	16	2810044030	0947	16
1280001440	0947	16	1280008240	0947	16	2280004320	1722	16	2810044030	1722	16
1280001440	1722	16	1280008240	1722	16	2280004330	0947	16	2810044050	0947	16
1280001441	0947	16	1280008560	0947	16	2280004330	1722	16	2810044050	1722	16
1280001441	1722	16	1280008560	1722	16	2280007390	0818	16	2810045033	0947	16
1280001520	0947	16	1280009190	0818	16	2280007391	0818	16	2810045033	1722	16
1280001520	1722	16	1280009191	0818	16	2280007392	0818	16	2810045050	0947	16
1280001630	0947	16	1280009300	0818	16	Rotax			2810045050	1722	16
1280001630	1722	16	1280009310	0818	16	684282	1941	16	2810046100	0818	16
1280002060	0947	16	1280009380	0818	16	Toyota			2810046120	0818	16
1280002060	1722	16	1280009380	1201	16	2810010040	0947	16	2810046140	0818	16
1280003340	0947	16	1280009520	0818	16	2810010040	1722	16	2810049090	0818	16
1280003340	1722	16	1280009700	0818	16	2810010060	0947	16	2810051031	0947	16
1280003350	0947	16	2280000311	0947	16	2810010060	1722	16	2810051031	1722	16
1280003350	1722	16	2280000311	1722	16	2810013010	0947	16	2810060070	0947	16
1280003590	0947	16	2280000340	0818	16	2810013010	1722	16	2810060070	1722	16
1280003590	1722	16	2280000580	0947	16	2810015020	0947	16	2810063020	0947	16
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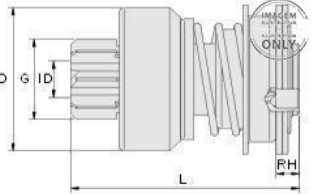
Toyota	Nº ZEN	Pg.
2810063050	0947	16
2810063050	1722	16
2810072010	0947	16
2810072010	1722	16
2810072020	0947	16
2810072020	1722	16
2810072030	0947	16
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2810072040	0947	16
2810072040	1722	16
2810072050	0947	16
2810072050	1722	16
2810072060	0947	16
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2810072090	0947	16
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2810072100	0947	16
2810072100	1722	16
2810072110	0947	16
2810072110	1722	16
2810073010	0947	16
2810073010	1722	16
2810075050	0818	16
2810076060	0818	16
2810076070	0818	16
Yamaha	Nº ZEN	Pg.
6k8818071000	0754	16

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrias # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

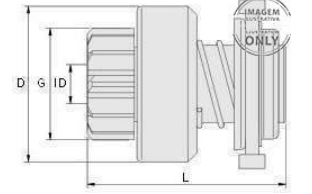
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	001
0325	9	25.8	62	10	12	46.5	3	Horário		



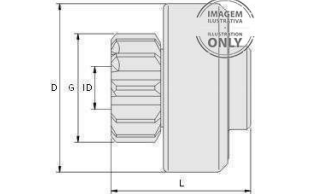
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	049
0223	9	29.64	69	10	12	46.5	7	Horário		



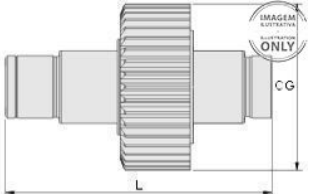
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	100
0482	9	25.8	58.5	10	12	46.3		Horário		



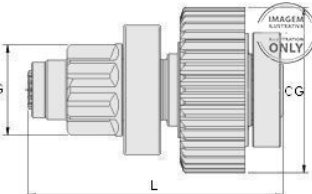
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	108
0754	11	33.5	39.5	6	12	46.5		Anti-horário		
0898	11	43.1	40.5	19	12	54.5		Horário		



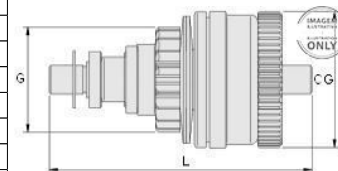
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	121
1201			52	10				Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	124
0818	9	29.6	83					Horário		
0947	9	29.64	102					Horário		
1566	10	28.2	110					Horário		
1722	18	12.7	102					Horário		



T	G	L	SPL	ID	D	RH	CW/CW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De Los Dientes Del Pinón	Piñon-Dimension	Largo	# De Estrías	Pinón-Dimensión Interna	Dimensión Externa	Altura Del Rebajo	Horario/Antihorario

[illegible]

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

0223	1.01.0223.0		0325	1.01.0325.0		0482	1.01.0482.0		0749	1.01.0749.0	
	T	9		T	9		T	9		T	19
	G	29.64		G	25.8		G	25.8		G	44.5
	L	69		L	62		L	58.5		L	107
	SPL	10		SPL	10		SPL	10		SPL	-
	ID	12		ID	12		ID	12		CT	55
	D	46.5		D	46.5		D	46.3		D	-
	FAM	049		FAM	001		FAM	100		FAM	126
APLICAÇÃO Application / Aplicación Pg. 17	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 17	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 17	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 18	CW/CCW	Anti-horário

0751	1.01.0751.0		0754	1.01.0754.0		0818	1.01.0818.0		0898	1.01.0898.0	
	T	17		T	11		T	9		T	11
	G	39.3		G	33.5		G	29.6		G	43.1
	L	91.5		L	39.5		L	83		L	40.5
	SPL	-		SPL	6		SPL	-		SPL	19
	CT	40		ID	12		CT	40		ID	12
	D	-		D	46.5		D	-		D	54.5
	FAM	126		FAM	108		FAM	124		FAM	108
APLICAÇÃO Application / Aplicación Pg. 18		CW/CCW	Anti-horário	APLICAÇÃO Application / Aplicación Pg. 18		CW/CCW	Anti-horário	APLICAÇÃO Application / Aplicación Pg. 18		CW/CCW	Horário

0947	1.01.0947.0		1201	1.01.0750.1		1566	1.01.1566.0		1722	1.01.1722.0	
	T	9		T	-		T	10		T	18
	G	29.64		G	-		G	28.2		G	12.7
	L	102		L	52		L	110		L	102
	SPL	-		SPL	10		SPL	-		SPL	-
	CT	40		CT	40		CT	40		CT	40
	D	-		D	-		D	-		D	-
	FAM	124		FAM	121		FAM	124		FAM	124
CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário
APLICAÇÃO Application / Aplicación Pg. 18			APLICAÇÃO Application / Aplicación Pg. 19			APLICAÇÃO Application / Aplicación Pg. 19			APLICAÇÃO Application / Aplicación Pg. 19		

1941																	
	<table> <tr><td>T</td><td>17</td></tr> <tr><td>G</td><td>39.3</td></tr> <tr><td>L</td><td>91.3</td></tr> <tr><td>SPL</td><td>-</td></tr> <tr><td>CT</td><td>44</td></tr> <tr><td>D</td><td>-</td></tr> <tr><td>FAM</td><td>126</td></tr> <tr><td>CW/CCW</td><td>Anti-horário</td></tr> </table>	T	17	G	39.3	L	91.3	SPL	-	CT	44	D	-	FAM	126	CW/CCW	Anti-horário
T	17																
G	39.3																
L	91.3																
SPL	-																
CT	44																
D	-																
FAM	126																
CW/CCW	Anti-horário																
APLICAÇÃO Application / Aplicación Pg. 20																	

0223**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 2600TT - **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 - **Ford:** Transit 100 | Transit 1250 | Transit 1500 | Transit 800 - **Kawasaki:** 33 | 34 - **KHD:** D25 | D2505 | D30 | D30 S | D3005 | F2L712 | F2L812 - **Mercedes Benz:** L206 | L207 | L306 | L307 - **Porsche:** 33.1 | 616

MOTOR

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

EQUIVALENTE / Equivalent

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 - **WAI:** 549127

0325**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

BMW: R100 | R45 | R60 | R65 | R75 | R80 - **Fiat:** 128 1.1 e 1.3 | 131 Mirafiori 1.3 | X1/9 1.3 - **Opel:** Ascona 1.2 | D 1.0, 1.2 | Kadett 1.0, 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 1.2 e 1.4 | 127 0.9 | 131 | 131 L 1430 | Ritmo 65,75 | Supermirafiori 1430 | Terra

MOTOR

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

EQUIVALENTE / Equivalent

Bosch: 1006209401 | 1006209445 - **Fiat:** 9934752 - **Italacciai:** SD055 | SD496 - **Lester:** 16438 - **Lucas Indiel:** 223573 - **WAI:** 5491139

0482**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Alfa 164 2.0 | Alfa 164 3.0 | Alfa 33 1.3, 1.5, 1.6 | Alfa 75 2.0 | Alfa 90 2.0 - **Audi:** 100 | 100i | 200 | 80 1.6, 1.8 e 1.9 | 80D | 80i | 80TD | 90 | 90D | Coupe 1.6 | Quattro - **BMW:** 325E | 325i | 525E | 90 | 900 | 900 Turbo | 900 Turbo 16 | 9000 | 900i | **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, 2.0i 07/1993... - **Fiat:** Marea ELX 1.9 JTD | Marea Weekend ELX 1.9 JTD | Palio EX/ ELX Turbo Diesel | Palio SX 1.7 Turbo Diesel | Palio Weekend ELX Turbo Diesel | Panda 1000 | Panda 750 | Siena EX/ ELX Turbo Diesel | Stilo 1.9 JTD | Strada 1.7 Turbo Diesel | Uno 45 - **Ford:** Capri 2.3 | Granada 2.0, 2.3, 2.4, 2.8, 2.9 | Scorpio 2.4, 2.8, 2.8 i | 2.9, 2.9 4X4 | Sierra 2.0, 2.3, 2.3 i | 2.8, 2.8 4X4, 2.9 - **General Motors/Chevrolet:** Corsa 1.0, 1.4 | Omega 3.0, 4.1 | Omega Suprema 2.2, 3.0 | Silverado 4.1 - **Lancia:** Thema 8.32 - **Mercedes Benz:** 190 | 190E | 200 | 230 - **Opel:** Ascona Diesel | Ascona C20 | Kadett Diesel | Omega 1.8, 2.0 - **Peugeot:** 205 | 305 | 309 | 405 | 505 - **Renault:** R11 | R18 | R18 turbo | R9 | Trafic | Twingo 1.2 1239ccm C3G 1992...1997 - **Volkswagen:** Derby | Gol | Golf 1.1, 1.3 | Jetta 1.3 | Kombi | Passat 1.6, 1.8 | Polo Diesel 1.0, 1.3 | Santana | Satation Wagon Diesel (USA) 1.6 | Scirocco | Transporter 1.6 Diesel | Voyage - **Volvo:** 740 2.0 e 2.3

MOTOR

Bosch: 000114004 | 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 | 0001112015 | 0001112021 | 0001112025 | 0001112027 | 0001112028 | 0001112029 | 0001112044 | 0001113001 | 0001113004 | 0001113007 | 0001113013 | 0001114003 | 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

EQUIVALENTE / Equivalent

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 | 1006209700 | 1006209701 | 1006209705 | 1006209709 | 1006209939 | F000AL1516 | F000AL1534 | F000AL1698 | F000AL1700 - **Cargo:** 131104 - **Fiat:** 9941314 - **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:** TMB455 | TMB570 - **Lucas Indiel:** 223261
Volkswagen: 02A911023 | 049911335A - **WAI:** 549140

0749**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

BRP: Sea Doo 947 - **Kawasaki:** 1100 - STX, ZXI E Ultra 150 | 650 - SC, X2 | 750 - SS, ST, STS, STX, SX, SXI, TS, XI, ZXI | 900 - STX, ZXI - **Polaris:** 1050 - SLTH, SLTX | 650 - SL, STD | 700 - Hurricane, SL, SLH, SLT, SLTX | 780 - SL, SLT, SLX | 900 - SL - **Yamaha:** 1100 - Wave Raider, Venture | 1200 / 1200R - GP, XL Wave Runner | 650 - I, II, LX, Super Jet, VXR, VXRPRO, XR | 700/701 Wave Blaster, FX1 Raider, Runner, Super Jet, Venture, VXR | 760 - Wave Blaster II, GP, Raider, Runner

EQUIVALENTE / Equivalent

Kawasaki: 131013701 | 131013703 | 131013705 | 131013706 - **Lester:** 18330 | 18648 - **Polaris:** 3240120 | 4060119 - **WAI:** 548501 - **Yamaha:** 6M68183E0000

0751**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

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... | Sportman 4x4 | Trail Boss 250, Xplorer 4x4 Todos exceto 325cc | Xplorer 4x4

EQUIVALENTE / Equivalent

Mitsuba: SM13 - **Polaris:** 3084981 - **WAI:** 548505

0754**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Yamaha: LX500

MOTOR

Yamaha: 6k8818071000

EQUIVALENTE / Equivalent

WAI: 0015

0818**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Especial/Special: Motocicletas - **Ford:** Ranger 2.5 D - **Honda:** Accord | Civic - **Jaguar:** HJ 12 6.0 | XJS 5.3 V12 | XJS 6.0 - **Land Rover:** Freelander 2.0 TD4 - **Lexus:** LS 400 - **Toyota:** Corolla | Land Cruiser 4.7 | Tacoma - **Yale:** Empilhadeira - **ZEN:** Utiliza Pinhão ZEN 9186

MOTOR

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

EQUIVALENTE / Equivalent

Cargo: 137753 - **Nippon:** 0283007940 - **Nippondenso:** 0283006990 | 0283007170 | 0283007990 - **Toyota:** 2801176070 - **WAI:** 548235

0898**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Harley Davidson: Disc Glide - FXDG 1983 | Disc Glide - FXRDG 1994 | 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 Classic - FLHC 1979...1991 | Electra Glide Classic - FLHTC 1983...1988 | 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 - FLST 1986...1988 | Heritage Softail Classic - FLSTC 1987...1988 | Low Glide - FXRS 1984...1985 | Low Glide - FXRS 1985 | Low Glide Custom - FXRC 1985

MOTOR

Harley Davidson: 3145564 | 3145564A

EQUIVALENTE / Equivalent

Facet: 10036 | 480105 | 480183 - **WAI:** 54169

0947**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Daihatsu: Rocky F80 - **Especial/Special:** Motocicletas - **JCB:** Escavadeira - **Mazda:** B2200 - **Toyota:** 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - **ZEN:** Utiliza Pinhão ZEN 9186

0947**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

MOTOR

Daihatsu: 2810072010 - **Ishikawajima:** 185086240 | 185086340 - **Kubota:** 1550463011 | 1574163011 - **Nippondenso:** 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 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

EQUIVALENTE / Equivalent

Cargo: 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **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 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 2810110710 - **WAI:** 548202

1201**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Chrysler: Daytona 3.0 | Fifty Avenue Lebaron | Saragata 3.0 | Voyager 3.0 V6 1990...1993 - **Harley Davidson:** MY91 - 06 BT except MY06 Dyna - **ZEN:** Utilizado no Impulsor ZEN 0750 | Utilizado no impulsor ZEN 0816 | Utilizado no impulsor ZEN 0817 | Utilizado no impulsor ZEN 0818 | Utilizado no Impulsor ZEN 0954

MOTOR**Nippondenso:** 1280007500 | 1280009380**EQUIVALENTE / Equivalent****Nippondenso:** 283000010 - **WAI:** 5482401**1566****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación**Harley Davidson:** Moto | MY91 - 06 BT except MY06 Dyna - **ZEN:** Utiliza Pinhão ZEN 9492**EQUIVALENTE / Equivalent****WAI:** 548268**1722****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación

Daihatsu: Rocky F80 - **Especial/Special:** Motocicletas - **JCB:** Escavadeira - **Mazda:** B2200 - **Toyota:** 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - **ZEN:** Utiliza Pinhão ZEN 9186

MOTOR

Daihatsu: 2810072010 - **Ishikawajima:** 185086240 | 185086340 - **Kubota:** 1550463011 | 1574163011 - **Nippondenso:** 280004010 | 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 1280000101 | 1280000220 | 1280000230 | 1280000500 | 1280000510 | 1280001370 | 1280001440 | 1280001441 | 1280001520 | 1280001630 | 1280002060 | 1280003340 | 1280003350 | 1280003590 | 1280003670 | 1280003990 | 1280004420 | 1280005110 | 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

1722**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

EQUIVALENTE / Equivalent

Cargo: 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **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 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 2810110710 - **Unipoint:** SD5053

1941**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 16

APLICAÇÃO / Application / Aplicación**BRP:** Can Am Quadriciclo Outlander 450 cc**MOTOR****Rotax:** 684282**EQUIVALENTE / Equivalent****Rotax:** 294811 | 684053 | 684054 | 684056 | 684057 | 684058



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STARTER DRIVES | CLUTCH PULLEYS (OAP) | DECOUPLER PULLEYS Z-VIB | RIGID PULLEYS | TENSIONERS | DISTRIBUTION KITS | ALTERNATORS | STARTER MOTORS | BEARINGS | HOUSINGS | PLANETARY GEARS

IMPULSORES DE ARRANQUE | POLEAS RUEDA-LIBRE | POLEAS RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB | POLEAS FIJAS DEL ALTERNADOR | TENSORES | KITS DE DISTRIBUCIÓN | ALTERNADORES | MOTORES DE ARRANQUE | RODAMIENTOS | TAPAS | PLANETÁRIOS

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