

# CATÁLOGO

Catalogue • Catálogo



## POLIAS DE RODA LIVRE E POLIAS DE RODA LIVRE COM AMORTECIMENTO

*Clutch Pulleys and Decoupler Pulleys*

*Poleas Rueda Libre y Rueda Libre  
com Amortiguamiento*

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 preferencia 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  
SENSE 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.*

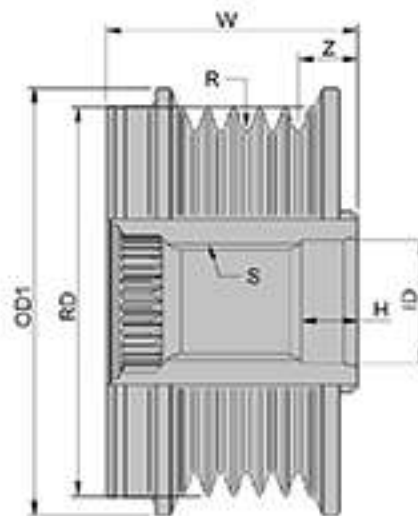


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<b>R - Nº de filetes</b> Nº Ribs • Nº Ranuras	<b>W - Largura (mm)</b> Width • Ancho
<b>RD - Ø Filetes (mm)</b> Ribs • Ranuras	<b>Z - Distância 1º Filete (mm)</b> Distance 1º rib • Distancia 1º ranura
<b>ID - Ø Rebaixo (mm)</b> Rabbit Inner • Rebaje	<b>OD1 - Ø Externo 1 (mm)</b> External 1
<b>S - Rosca</b> Thread	<b>H - Altura do Rebaixo (mm)</b> Rabbit Height • Altura de rebaje
<b>CCW - Rotação Anti-Horária</b> Counterclockwise Rotación antihoraria	<b>CW - Rotação Horária</b> Clockwise Rotación horaria





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Abarth	Nº ZEN	Pg.
124 1.4 (348)	5777	100
124 Spider (348_)	5777	100
Acura	Nº ZEN	Pg.
ILX L4 2.4L 2354cc144cid K24V7	5779	100
TLX L4 2.4L 2354cc144cid K24W7	5779	100
Alfa Romeo	Nº ZEN	Pg.
145 (930) 1.4 i.e.	5576	90
145 (930) 1.9 JTD	5576	90
145 (930)	5642	93
146 (930) 1.9 JTD	5576	90
146 (930)	5642	93
147 (937) 1.9 JTD	5576	90
147 (937) 1.9 JTD 16V, 1.9 JTDM 16V, 1.9 JTDM 8V	5576	90
147 (937) 1.9 JTD, 1.9 JTDM 16V	5576	90
147 (937) 1.9 JTDM 16V	5576	90
156 2.4 JTD (932B1)	5560	89
156 (932) 1.9 D (93kW)	5576	90
156 (932) 1.9 D, 1.9 JTD 16V	5576	90
156 (932) 1.9 D, 1.9 JTD, 1.9 JTD 16V Q4	5576	90
156 (932) 1.9 JTD (77kW), 2.4 JTD (100kW)	5576	90
156 (932) 1.9 JTD (81kW)	5576	90
156 (932) 1.9 JTD (85kW)	5576	90
156 (932) 2.4 D, 2.4 JTD (120-129kW)	5576	90
156 (932) 2.4 JTD (100-103kW)	5576	90
156 (932) 2.4 JTD (110kW)	5576	90
156 (932)	5642	93
156 Sportwagon (932)	5642	93
156, 156 Sportwagon (932) 1.9 JTD (932B2B)	5379	83
159 2.4 JTDM, 2.4 JTDM Q4	5496	87
159 1.9 JTDM 16V, 1.9 JTDM 8V	5528	89
159 2.0 JTDM	5528	89
159 1.9 JTDM 16V, 1.9 JTDM 8V (85-110kW)	5576	90
159 1.8 Tbi	5603	92
159 1.9 JTDM 8/16 V	5627	93
159 1.8 MPI	5678	95
159 (939) 1.9 JTS	5508	87
159 (939) 2.2 JTS	5508	87
159 Sportwagon (939) 1.9 JTS	5508	87
159 Sportwagon (939) 2.2 JTS	5508	87
159 SW 1.9 JTDM	5627	93
166 (936) 2.4 JTD (100kW)	5576	90
166 (936) 2.4 JTD (103-136kW)	5576	90
Brera 2.4 JTDM 20V	5496	87
Brera 2.2 JTS	5508	87
Brera 2.0 JTDM	5528	89
Brera 1.8 Tbi	5603	92
Giulietta (940_)	5777	100
Giulietta 1.4 BiFuel (940FXA1A,940FXT1A)	5777	100
Giulietta 1.4 TB (940FXA1A)	5777	100
Giulietta 1.4 TB (940FXB1A)	5777	100
Giulietta 1.4 TB (940FXG1A)	5777	100
Giulietta 1.4 TB (940FXN1A,940FXU1A)	5777	100
Giulietta 1.4 TB (940FYA1A)	5777	100
Giulietta 1.8 Tbi	5603	92
Giulietta	5730	98
GT (937C) 1.9 JTD	5576	90

Alfa Romeo	Nº ZEN	Pg.
GT 1.9 JTD	5576	90
Mito 1.3 JTDM	5440	85
Mito 1.6 JTDM	5528	89
Mito (955)	5706	96
Mito 1.3 MultiJet	6009	103
Mito 1.3 MultiJet 199 A3.000 199 B1.000 (66-70kW)	6011	103
Spider 2.4 JTDM	5496	87
Spider 2.2 JTS	5508	87
Spider 2.0 JTDM	5528	89
Spider 1.8 Tbi	5603	92
Audi	Nº ZEN	Pg.
A1 1.6, 2.0	5378	83
A1 1.2 TFSI	5493	86
A1 1.8 TFSI	5697	96
A1 1.0, 1.4 TFSI	5729	98
A1 CITY TFSI	5729	98
A1	6014	103
A2 1.4 TDi	5378	83
A3 1.6, 1.8, 1.9, 2.0	5378	83
A3 1.6TDI	5378	83
A3 1.9TDI	5378	83
A3 2.0FSI, 2.0T FSI	5378	83
A3 3.2, 2.0TDI	5378	83
A3 S3	5378	83
A3 1.6 (74kW)	5383	83
A3 1.6 (75kW)	5383	83
A3 1.8 (92kW)	5383	83
A3 1.8 T, 1.8 T quattro (110kW)	5383	83
A3 1.9 TDI (66kW)	5383	83
A3 1.9 TDI (81kW)	5383	83
A3 1.8 TSFI, 2.0 TFSI, Sportback	5448	85
A3 (8P1, 8PA) 1.2 TSI	5493	86
A3 (8P1, 8PA) 1.4 TFSI	5493	86
A3 1.2 TSI	5493	86
A3 1.6, 2.0 TDI	5514	88
A3 3.2 Sportback quattro	5514	88
A3 1.8 TFSI	5697	96
A3 2.0 TFSI	5697	96
A3 S3 quattro	5697	96
A3 1.0, 1.2, 1.4, 1.5 TFSI	5729	98
A3	6014	103
A3 Sportback (8PA) RS3 quattro	5385	83
A4 1.6 (8D2,8D5,B5) (74kW)	5376	83
A4 1.6 (8D2,8D5,B5) (75kW)	5376	83
A4 1.8 (8D2,8D5,B5) (85-92kW)	5376	83
A4 1.8T (8D2,8D5,B5) (110kW)	5376	83
A4 1.8T (8D2,8D5,B5) (132kW)	5376	83
A4 1.9, 1.9TDI, 2TDI, 2.0TDI	5378	83
A4 1.6 (8D2,8D5,B5) (74kW)	5380	83
A4 1.6 (8D2,8D5,B5) (75kW)	5380	83
A4 1.6 Avant (8D2,8D5,B5) (74kW)	5380	83
A4 1.8, 1.8T (8D2,8D5,B5) (85-92k/110W)	5380	83
A4 1.8T (8D2,8D5,B5) (132W)	5380	83
A4 1.9 DUO (8D2,8D5,B5) (66W)	5380	83
A4 1.9 TDI (8D2,8D5,B5) (55W) (Alt. 90/120A)	5380	83
A4 1.9 TDI (8D2,8D5,B5) (66W)	5380	83

Audi	Nº ZEN	Pg.
A4 1.9 TDI (8D2,8D5,B5) (81W)	5380	83
A4 1.9 TDI (8D2,8D5,B5) (85W)	5380	83
A4 1.9 TDI (8E2,8E5,B6) (74W)	5380	83
A4 1.9 TDI (8E2,8E5,B6) (85W)	5380	83
A4 1.9 TDI (8E2,8E5,B6) (96W)	5380	83
A4 1.9 TDI (8EC,8ED) (85W)	5380	83
A4 1.9 DUO	5382	83
A4 1.9 TDI (66kW)	5382	83
A4 1.9 TDI (81kW)	5382	83
A4 1.9 TDI (85kW)	5382	83
A4 1.9 TDI (8D2,8D5,B5) (55kW) (Alt. 70A)	5382	83
A4 1.6, 1.8T, 2, 2.0 FSI, 2.0 TFSI Avant	5448	85
A4 2.0 TDI quattro, Coupé, Sportback	5514	88
A4 (8K2,B8) 2.7 TDI, 3.0 TDI quattro	5595	91
A4 (8K5, B8) 2.7 TDI, 3.0 TDI quattro	5595	91
A4 (8K2, B8) - 3.0 TFSI quattro	5602	91
A4 (8K2, B8) - 3.2 FSI	5602	91
A4 (8K2, B8) - 3.2 FSI quattro	5602	91
A4 (8K2, B8) - S4 quattro	5602	91
A4 3.2 FSI (8K5)	5602	91
A4 3.2 FSI (8KS)	5602	91
A4 1.8 TFSI	5697	96
A4 2.0 TFSI	5697	96
A4 40 TFSI	5697	96
A4 45 TFSI	5697	96
A4 Quattro V6 3.2L 3123cc	5718	97
A4 1.4 TFSI 2	5729	98
A4 2.0	5811	102
A4	6014	103
A4 (8D2, B5)	5632	93
A4 (8E2, B6)	5632	93
A4 (8EC, B7)	5631	93
A4 (8EC, B7)	5632	93
A4 Allroad	6014	103
A4 Allroad Estate (8KH,B8) 3.0 TDI quattro	5595	91
A4 Avant (8K5, B8) - 3.0 TFSI quattro	5602	91
A4 Avant (8K5, B8) - 3.2 FSI	5602	91
A4 Avant (8K5, B8) - 3.2 FSI quattro	5602	91
A4 Avant (8K5, B8) - S4 quattro	5602	91
A4 Avant	6014	103
A4 Avant (8D5, B5)	5632	93
A4 Avant (8E5, B6)	5632	93
A4 Avant (8ED, B7)	5631	93
A4 Avant (8ED, B7)	5632	93
A4 Cabriolet (8H7, B6, 8HE, B7)	5631	93
A4 Convertible (8H7, B6, 8HE, B7)	5632	93
A4 S4 (8KS, 8K5)	5602	91
A5 2.0 TDI Cabriolet, Sportback	5514	88
A5 (8T3) 2.7 TDI, 3.0 TDI quattro	5595	91
A5 (8T3, 8TA) 3.0 TDI, 3.0 TDI quattro	5595	91
A5 (8TA,8F7) 2.7 TDI, 3.0 TDI quattro	5595	91
A5 (8T3) - 3.0 TFSI quattro	5602	91
A5 (8T3) - 3.2 FSI, 3.2 FSI quattro	5602	91
A5 (8T3) - S5 quattro	5602	91
A5 1.8 TFSI	5697	96
A5 2.0 TFSI	5697	96
A5 40 TFS	5697	96

Audi	Nº ZEN	Pg.
A5 Quattro V6 3.2L 3123cc	5718	97
A5 1.4 TFSI	5729	98
A5 2.0	5811	102
A5	6014	103
A6 1.8 (4B,C5) (85kW)	5376	83
A6 1.8 (4B,C5) (92kW)	5376	83
A6 1.8, 1.8 Turbo (92-110kW)	5376	83
A6 1.8T (4B,C5) (110kW)	5376	83
A6 1.8T (4B,C5) (132kW)	5376	83
A6 2.0 TDI	5378	83
A6 (4B,C5) 1.8 T	5380	83
A6 (4B,C5) 1.9 TDI (81kW)	5380	83
A6 (4B,C5) 1.9 TDI (85kW)	5380	83
A6 (4B,C5) 1.9 TDI (96kW)	5380	83
A6 1.9 TDI	5382	83
A6 (4B,C5) 1.8	5387	83
A6 (4B,C5) 1.8 T	5387	83
A6 2.0 TDI, Avant	5514	88
A6 (4G2,C7) 3.0 TDI, 3.0 TDI quattro	5595	91
A6 2.8 FSI (154kW)	5605	92
A6 2.8 FSI quattro (154kW)	5605	92
A6 2.8 FSI, 2.8 FSI quattro (140kW)	5605	92
A6 2.8 FSI, 2.8 FSI quattro (162kW)	5605	92
A6 2.8 FSI, 3.0 TFSI quattro (162-213kW)	5605	92
A6 3.0 TFSI quattro (220kW)	5605	92
A6 3.2 FSI , 3.2 FSI quattro (188kW)	5605	92
A6 1.8 TFSI	5697	96
A6 2.0 TFSI	5697	96
A6 2.8 FSI	5697	96
A6 (4G2, 4GC, C7)	5739	98
A6 Allroad (4GH, 4GJ)	5739	98
A6 Avant (4G5, 4GD, C7)	5739	98
A6	6014	103
A6 (4B2, C5)	5632	93
A6 (4F2, C6)	5631	93
A6 2.2 2.0 TSFI , Avant 2.0	5448	85
A6 Avant (4F2,4F5,C6) 2.7 TDI, 2.7 TDI quattro, 3.0 TDI quattro	5595	91
A6 Avant (4G5) 3.0 TDI, 3.0 TDI quattro	5595	91
A6 Avant 2.8 FSI (140kW)	5605	92
A6 Avant	6014	103
A6 Avant (4B5, C5)	5632	93
A6 Avant (4F5, C6)	5631	93
A7 1.8 TFSI	5697	96
A7 2.0 TFSI	5697	96
A7 Sportback (4GA, 4GF)	5739	98
A7 Sportback (4GA) 3.0 TDI, 3.0 TDI quattro	5595	91
A7 Sportback	6014	103
A8 2.8, 2.8 Quattro (4D2,4D8) (142kW)	5446	85
A8 (4E) 3.2 FSI, 3.2 FSI quattro, 4.2 TDI quattro	5595	91
A8 (4H) 3.0 TDI	5595	91
A8 (4H) 3.0 TDI quattro	5595	91
A8 2.0 TFSI	5697	96
Avant, Cabrio, (T) FSI, Quattro 2.0	5448	85
Avant, Cabrio, Quattro 1.8T	5448	85
Q2 2.0 TFSI	5697	96
Q2 40 TFSI	5697	96



Audi	Nº ZEN	Pg.
Q2 1.0, 1.4 TFSI	5729	98
Q3 2.0 TDi	5378	83
Q3 2.0 TFSI	5697	96
Q3 40 TFSI	5697	96
Q3 45 TFSI	5697	96
Q3 1.4 TFSI	5729	98
Q3	6014	103
Q3 (8U) RS 2.5 quattro	5385	83
Q5 2.0 TDI	5514	88
Q5 (8R) 3.0 TDI	5595	91
Q5 3.2 FSI	5602	91
Q5 2.0 TFSI	5697	96
Q5 35 TFSI	5697	96
Q5 V6 3.2L 3123cc	5718	97
Q5	6014	103
Q6 40 TFSI	5697	96
Q7 (4L) 3.0 TDI (165kW)	5595	91
Q7 (4L) 3.0 TDI (176kW)	5595	91
Q7 (4L) 3.0 TDI (180kW)	5595	91
Q7 (4L) 4.2 TDI (240kW)	5595	91
Q7 (4L) 6.0 TDI (368kW)	5595	91
Q7 2.0 TFSI	5697	96
Q7 3.0 TDI	5817	102
Q7 (4L) 3.6 FSI	5649	94
Q8 45 TFSI	5697	96
TT 1.8 T, 3.2 VR6	5378	83
TT 1.8 T, Quattro TFSI	5378	83
TT 2.0 TDI	5378	83
TT 2.0 TFSI	5378	83
TT 2.0, 2.0 TFSI	5378	83
TT 3.2 V6	5378	83
TT 1.8 TFSI, 2.0 TFSI, 2.0 TFSI quattro	5448	85
TT 3.2 V6	5514	88
TT 1.8 TFSI	5697	96
TT 2.0 TFSI	5697	96
TT 40 TFSI	5697	96
TT 45 TFSI	5697	96
TT (8J3) 2.5 TFSI RS quattro	5385	83
TT Roadster (8J9) 2.5 TFSI RS quattro	5385	83

BMW	Nº ZEN	Pg.
1 (E81)	5623	92
1 (E87)	5623	92
1 (F20)	5623	92
1 (F21)	5623	92
1 (E81)	5787	100
1 (E87)	5787	100
1 Cabriolet (E88)	5787	100
1 Coupé (E82)	5787	100
1 (E81)	5633	93
1 (E87)	5633	93
1 (F20)	5635	93
1 (F21)	5635	93
1 Convertible (E88)	5633	93
1 Coupé (E82)	5623	92
1 Coupe (E82)	5633	93
1 Descapotable (E88)	5623	92

BMW	Nº ZEN	Pg.
1 séries 130i	5410	84
116 i 85	5787	100
116 i 90	5787	100
116i, 118i, 120i (E87) (alt. 150A)	5458	86
116i, 118i, 120i (E87) (alt. 110A)	5456	86
118 i 100	5787	100
118 i 105	5787	100
118i (E87) (alt. 150A)	5458	86
118i, 120i (E88) (105-125kW)	5456	86
120 i 120	5787	100
120 i 125	5787	100
120i, 125i (E88)	5458	86
125i	5458	86
130i	5458	86
135 i 225	5787	100
135 i 240	5787	100
2 Coupé (F22, F87)	5623	92
2 Coupe (F22)	5635	93
3 2.0 (E92)	5456	86
3 (E46)	5622	92
3 (E90)	5622	92
3 (E90)	5623	92
3 (F30, F80)	5623	92
3 (E90)	5787	100
3 Cabriolet (E93)	5787	100
3 Coupé (E92)	5787	100
3 318 d 320 d M47 D20 (204D4) (90-110kW)	6009	103
3 (E90)	5633	93
3 (F30, F35, F80)	5635	93
3 Compact (E46)	5622	92
3 Convertible (E93)	5633	93
3 Coupé (E46)	5622	92
3 Coupé (E92)	5622	92
3 Coupé (E92)	5623	92
3 Coupe (E92)	5633	93
3 Descapotable (E46)	5622	92
3 Descapotable (E93)	5622	92
3 Descapotable (E93)	5623	92
3 Gran Turismo (F34)	5623	92
3 Gran Turismo (F34)	5635	93
3 series 2.0 (alt. 1231 7 516 099)	5456	86
3 series 2.0 (alt. 1231 7 516 103)	5458	86
3 Séries 2.0 (alt. 1231 7 536 960/1231 7 550 001)	5410	84
3 séries 316i, 316ti	5410	84
3 séries 318Ci, 318i, 318ti	5410	84
3 séries 325i, 325xi, 330i, 330xi, 318d, 320d	5410	84
3 Touring (E46)	5622	92
3 Touring (E91)	5622	92
3 Touring (E91)	5623	92
3 Touring (F31)	5623	92
3 Touring (E91)	5787	100
3 Touring 318 d 320 d M47 D20 (204D4) (90-110kW)	6009	103
3 Touring (E91)	5633	93
3 Touring (F31)	5635	93
316 i 90	5787	100
316Ci, 316i (E88)	5456	86
316Ci, 318Ci Coupe (E46)	5456	86

BMW	Nº ZEN	Pg.
316Ci, 318Ci Touring (E46)	5456	86
316i (E90)	5456	86
316i, 316 ti (E88)	5456	86
316i, 318i, 320i, 323i, 325i, 330i, 325xi, 330xi, 320si (E90) Saloon	5458	86
316ti, 318ti Compact (E46)	5458	86
316ti, 318ti Compact (E46) (alt. 110A)	5456	86
316ti, 318ti Touring (E46)	5458	86
318 i 100	5787	100
318 i 105	5787	100
318Ci (E88) (110kW)	5456	86
318Ci Convertible (E46)	5456	86
318Ci, 318i, 318ti (E88) (105kW)	5456	86
318i (E90) (105kW)	5456	86
318i (E90) (95kW)	5456	86
320 i 112	5787	100
320 i 115	5787	100
320 i 120	5787	100
320 i 125	5787	100
320i (E90)	5456	86
335 i 220	5787	100
335 i 225	5787	100
335 i 240	5787	100
335 i xDrive 225	5787	100
335 i xDrive 240	5787	100
335 xi 225	5787	100
335 xi 240	5787	100
4 Convertible (F33, F83)	5635	93
4 Coupé (F32, F82)	5623	92
4 Coupe (F32, F82)	5635	93
4 Descapotable (F33, F83)	5623	92
4 Gran Coupe (F36)	5623	92
5 (E60)	5622	92
5 (E60)	5623	92
5 (F10)	5623	92
5 (E60)	5633	93
5 (F10, F18)	5635	93
5 Gran Turismo (F07)	5623	92
5 séries 523i, 525i, 525xi, 530i, 530xi	5410	84
5 Touring (E61)	5622	92
5 Touring (E61)	5623	92
5 Touring (F11)	5623	92
5 Touring (E61)	5633	93
5 Touring (F11)	5635	93
520i (E60/E61)	5456	86
520Li 2.0L N20B20D N20B20B Turbo	5709	97
520Li 2.5L N52B25AF Non Turbo	5709	97
523i N52B25 150kW 204HP 2497cc 2.5L	5709	97
523i N53B30A 150kW 204HP 2996cc 3.0L	5709	97
523i Touring N52B25A 150kW 204HP 2497cc 2.5L	5709	97
523i Touring N53B30A 150kW 204HP 2996cc 3.0L	5709	97
523i Touring N53B30A 190kW 258HP 2996cc 3.0L	5709	97
523i, 525i, 530i, 525xi, 530xi (E61) Touring	5458	86
523Li 2.5L N52B25AF Non Turbo	5709	97
528i L6 3.0L 2996cc	5709	97
528i N53B30A 150kW 204HP 2996cc 3.0L	5709	97
528i N53B30A 190kW 258HP 2996cc 3.0L	5709	97

BMW	Nº ZEN	Pg.
528Li 3.0L N52B30AF Non Turbo	5709	97
530i N53B30A 200kW 272HP 2996cc 3.0L	5709	97
530i Touring N53B30A 200kW 272HP 2996cc 3.0L	5709	97
530Li 3.0L N52B30AF Non Turbo	5709	97
6 Descapotable (E64)	5622	92
6 séries 630i	5410	84
630i, 630i Convertible (E63/E64)	5458	86
7 (E65, E66, E67)	5622	92
7 Série 730 i, Li	5410	84
730 i, Li 3.0 (E65/E66)	5458	86
730i N52B30 190kW 258HP 2996cc 3.0L	5709	97
730iL N52B30 190kW 258HP 2996cc 3.0L	5709	97
Gran Coupe (F36)	5635	93
Motorcycle 1100 ccm, K25, K26, K27, K28	5737	98
X1 (E84)	5623	92
X1 (E84)	5787	100
X1 (E84)	5635	93
X3 (E83)	5622	92
X3 (E83)	5623	92
X3 (F25)	5623	92
X3 Drive N52B30A 190kW 258HP 2996cc 3.0L	5709	97
X3 L6 3.0L 2996cc	5709	97
X3 (E83) 2.0i	5458	86
X3 (E83) 2.5si, 3.0si	5458	86
X3 (F25)	5635	93
X5 3.0 si (E70)	5458	86
X5 (F15, F85)	5623	92
X5 3.0 xDrive 30i	5769	99
X5 (E70)	5633	93
xDrive 35 i 225	5787	100
Z4 2.0i	5410	84
Z4 2.0i (E85)	5456	86
Z4 (E85) 2.0i (110kW)	5458	86
Z4 (E85) 2.5i, 2.5Si, 3.0Si (130-195kW)	5458	86
Z4 (E89)	5635	93

Bongo	Nº ZEN	Pg.
Kia 2.9 TDic e 2.9 TDic 4WD (90kW)	5640	93

Buick	Nº ZEN	Pg.
Allure Stufenheck 3.6 LY7, (179kW)	5691	96
La Crosse Stufenheck 3.6 LLT, (209kW)	5691	96
LaCrosse	5680	95

BYD	Nº ZEN	Pg.
M6 MPV	5722	97

Cadillac	Nº ZEN	Pg.
Escalade 6.2	5762	99
Escalade ESV 6.2	5762	99

Cadillac	Nº ZEN	Pg.
SRX V6 2.8L Gas	5781	100
SRX V6 3.6L Flex e Gas	5781	100

Case	Nº ZEN	Pg.
MXU100, MXU110 4-274 Diesel	5506	87
MXU115, MXU 135 6-411 Diesel	5506	87
MXU125 6-411 Diesel	5506	87

Chrysler	Nº ZEN	Pg.
200 2.4	5507	87
200 2.4	6004	103
300 V6 3.6L	5690	96
Cirrus	6004	103
Delta	5730	98
Pacifica 3.8	5428	85
Pacifica 3.8L V6 - Gas	5520	88
Pacifica	6006	103
Pacifica	6015	103
PT Cruiser (PT) - 2.2 CRD	5395	84
Sebring 2.4	5507	87
Sebring 2.4	6004	103
Town	6006	103
Town e Country 3.3, 3.8	5428	85
Voyager 2.5TD	5390	83
Voyager	6006	103
Voyager II (GS) 3.8i	5428	85
Voyager III (RG) 3.3, 3.8	5428	85
Voyager III 2.5 CRD, 2.5 TD	5559	89
Voyager III 2.8 CRD	5559	89
Voyager IV (RG,RS) 2.5 CRD (105kW)	5559	89
Voyager IV (RG,RS) 2.5 CRD (88kW)	5559	89
Voyager IV (RG,RS) 2.8 CRD (110kW)	5559	89

Citroën	Nº ZEN	Pg.
Berlingo 2.0 HDi, 2.0 HDi 90	5396	84
Berlingo 2.0 HDi	5437	85
Berlingo 1.6, 1.6 HDi (55-80kW)	5450	85
Berlingo 1.6 HDi (55kW)	5453	85
Berlingo 1.6 HDi (80kW)	5453	85
Berlingo 1.6 HDi 75,90,110	5453	85
Berlingo 1.9 D (51kW)	5453	85
Berlingo 1.6	5587	91
Berlingo 1.6 HDi	5629	93
Berlingo 1.6 HDi 75	5629	93
Berlingo 1.6 HDi 90	5629	93
Berlingo 1.6 HDi 110 75 90	5675	95
Berlingo 1.9 D 4WD	5675	95
Berlingo 2.0 HDi 4x4	5675	95
Berlingo 1.6 HDi 110 75 90	5678	95
Berlingo (MF) 1.6 HDi 75 (MF9HW)	5782	100
Berlingo (MF) 1.6 HDi 90 (MF9HX)	5782	100
Berlingo 1.6 HDi 110	5782	100
Berlingo 1.6 HDi 75	5782	100
Berlingo 1.6 HDi 75 (MB9HW) 1.6 HDi 90 (MB9HX, MC9HX)	5782	100
Berlingo 1.6 HDi 90	5782	100
Berlingo 1.2, 1.5	5790	100
Berlingo 1.6	5800	101
Berlingo 1.5	5815	102
Berlingo (B9)	5643	93
Berlingo Box (B9)	5643	93
C-Crosser 2.2 Hdi	5586	91
C-Crosser 2.4 16V	5612	92
C-Crosser Enterprise 2.2 Hdi	5586	91
C-Elysee 1.2, 1.5, 1.6	5790	100
C-Elysee 1.6	5800	101

Citroën	Nº ZEN	Pg.
C1	5742	98
C1 II 1.0 VTi	5809	102
C2 1.6 HDi	5450	85
C2 1.4 HDi (50kW)	5453	85
C2 1.6 HDi (80kW)	5453	85
C2 1.4 HDi	5629	93
C2 1.6 HDi	5629	93
C3 1.4, 1.6 16V HDi	5450	85
C3 1.6 16V HDi, 1.6 HDi (66kW)	5450	85
C3 1.6 HDi (80kW)	5450	85
C3 1.4 HDi, 1.4 16V HDi (50-66kW)	5453	85
C3 1.6 16V HDi (80kW)	5453	85
C3 1.6 16V HDi, 1.6 HDi (66kW)	5453	85
C3 1.6 HDi (68kW)	5453	85
C3 1.6 HDi (80kW)	5453	85
C3 1.6 HDi (82kW)	5453	85
C3 1.4 (54kW)	5565	89
C3 1.4, 1.4 16V, 1.6 (70-80kW)	5565	89
C3 1.6 (88kW)	5565	89
C3 1.4 (54kW)	5587	91
C3 1.4 16V, 1.4 i (54-65kW)	5587	91
C3 1.4, 1.4 16V, 1.6 (70-80kW)	5587	91
C3 1.6 (88kW)	5587	91
C3 1.6 16V (80kW)	5587	91
C3 1.4 HDi 16V, 1.4 HDi	5629	93
C3 1.6 16V HDi, 1.6 HDi	5629	93
C3 1.6 HDi	5629	93
C3 1.4 16V HDi	5675	95
C3 II 1.2,1.5	5790	100
C3 III 1.5	5790	100
C3 1.2, III	5815	102
C3 1.5, Aircross II	5815	102
C3 1.5, III	5815	102
C3 Aircross II 1.6	5800	101
C3 II	5655	94
C3 III 1.6	5800	101
C3 Picasso 1.6 HDi, 90, 110	5450	85
C3 Picasso 1.6	5800	101
C3 Pluriel 1.4 HDi	5450	85
C4 1.6 HDi 90, 1.6 HDi 110 FAP, 1.6 HDi 110FAP	5450	85
C4 1.6 HDi 90, 1.6 HDi 110 FAP, 1.6 HDi 110FAP (66-80kW)	5453	85
C4 2.0 HDi (110kW)	5453	85
C4 2.0 HDi 135 FAP (100kW)	5453	85
C4 1.6 THP 140/150	5565	89
C4 1.6 VTi 120	5565	89
C4 1.4 16V, 1.6 16V, 1.6 16V Bio-Flex (65-80kW)	5587	91
C4 1.6 16V, 1.6 THP 150 (110kW)	5587	91
C4 1.6 THP 140 (103kW)	5587	91
C4 1.6 VTi 120 (88kW)	5587	91
C4 1.6 HDi 90, 1.6 HDi 110 FAP	5629	93
C4 Grand Picasso (UA_) 1.6 HDi	5782	100
C4 Grand Picasso (UA_) 2.0 HDi 138	5782	100
C4 Grand Picasso (UA_) 2.0 HDi 150	5782	100
C4 Picasso (UD_) 1.6 HDi 2.0 HDi 138	5782	100
C4 Picasso (UD_) 2.0 HDi 150	5782	100
C4 Cactus 1.2, 1.5	5790	100



Citroën	Nº ZEN	Pg.
C4 Grand Picasso 1.2	5790	100
C4 Spacetourer 1.5	5790	100
C4 1.5, Cactus, Spacetourer	5815	102
C4 Aircross	5662	95
C4 Cactus 1.6	5800	101
C4 Coupe (LA)	5643	93
C4 Grand Picasso I (UA)	5643	93
C4 Grand Picasso II 1.6	5800	101
C4 I (LC)	5643	93
C4 II (B7)	5643	93
C4 Picasso I (UD)	5643	93
C4 Picasso II 1.6	5800	101
C4 Spacetourer 1.6	5800	101
C4II 1.6	5800	101
C5 2.0 Hdi	5437	85
C5 2.2 Hdi	5437	85
C5 1.6 Hdi	5450	85
C5 2.0 Hdi	5450	85
C5 2.0 Hdi (66-80kW)	5450	85
C5 2.2 Hdi	5450	85
C5 1.6 Hdi (80kW) 9HY	5453	85
C5 1.6 Hdi, 2.0 Hdi, 2.2 Hdi (80-125kW) 9HZ	5453	85
C5 2.7 HDi	5561	89
C5 1.6 16V	5565	89
C5 1.6 16V (115kW)	5587	91
C5 1.6 HDi	5629	93
C5 (RC_) 2.0 Hdi	5782	100
C5 (RC_) 2.2 Hdi	5782	100
C5 (RD_) 1.6 Hdi 2.0 Hdi 2.2 Hdi	5782	100
C5 (RD_) 2.0 HDi 140	5782	100
C5 Break (RE_) 2.0 HDi (RERHRH)	5782	100
C5 Break (RE_) 2.2 Hdi	5782	100
C5 Break (TD_) 1.6 Hdi 2.0 Hdi 2.2 Hdi	5782	100
C5 Break (TD_) 2.0 HDi 140	5782	100
C5 Aircross 1.2	5790	100
C5 1.5, 2.0 Aircross	5815	102
C5	6010	103
C5 III (RD)	5643	93
C5 III Break (TD)	5643	93
C6 2.2 HDi 173 FAP	5453	85
C6 2.7 HDi 205 FAP ano 09.05-	5561	89
C6 (TD_) 2.2 HDi	5678	95
C6 (TD_) 2.2 Hdi	5782	100
C8 2.0 Hdi, 2.2 HDi	5437	85
C8 2.0 Hdi	5450	85
C8 2.0 Hdi	5453	85
C8 2.2 Hdi	5453	85
C8 (EA_, EB_) 2.0 HDi	5678	95
C8 (EA_, EB_) 2.0 Hdi	5782	100
C8 (EA_, EB_) 2.0 HDi 135 2.2 Hdi	5782	100
Dispatch 2.0 Hdi	5396	84
Dispatch 2.0 Hdi	5437	85
Dispatch 2.0 Hdi	5450	85
DS3 1.4 16V, 1.6 16V (70-88kW)	5587	91
DS3 1.6 16V (115kW)	5587	91
DS3	5643	93
DS3	5655	94

Citroën	Nº ZEN	Pg.
DS3 1.6	5800	101
DS4 1.6 VTi 120, 1.6 THP 155, 1.6 THP 200	5587	91
DS4	5643	93
DS4 1.2	5790	100
DS4 1.6	5800	101
DS5	5643	93
DS5	5800	101
Evasion 2.0 HDI	5396	84
Evasion 2.0 HDI	5437	85
Evasion 2.0 HDI	5450	85
Evasion 2.0 HDI 16V	5450	85
Grand C4 1.5, Spacetourer	5815	102
Grand C4 Spacetourer 1.6	5800	101
Jumper 2.0 Hdi (230)	5437	85
Jumper 2.0 Hdi, 2.2 HDi (244)	5437	85
Jumper 2.2 HDi 100, 2.2 HDi 120	5580	90
Jumper	5663	95
Jumper 2.0	5815	102
Jumper 2.2	5815	102
Jumper 230 2.0 HDI	5675	95
Jumpy 2.0 Hdi	5396	84
Jumpy 2.0 Hdi	5437	85
Jumpy 2.0 Hdi	5450	85
Jumpy 1.6 HDi 90, 2.0 HDi 120, 2.0 HDi 140	5453	85
Jumpy 2.0 HDi 120 2.0 HDi 140	5782	100
Jumpy Autocarro 1.5	5790	100
Jumpy 1.6	5800	101
Jumpy 1.5	5815	102
Jumpy 2.0	5815	102
Jumpy Kasten 2.0 HDi 120 140	5678	95
Jumpy Kasten 2.0 Hdi	5782	100
Mini Coupe (R58)	5643	93
Relay 2.0 Hdi (230)	5437	85
Relay 2.0 Hdi, 2.2 HDi (244)	5437	85
Relay (74,88kW) 2.2 HDi 100/120	5580	90
Relay (81,96,110kW) 2.2 HDi 110/130/150	5580	90
Sinergie 2.0 Hdi	5450	85
Sinergie 2.0 HDI 16V	5450	85
Synergie 2.0 Hdi	5396	84
Synergie 2.0 Hdi	5437	85
Xantia 2.0 HDI	5396	84
Xantia 2.0 HDI 90	5437	85
XSara 2.0 HDI	5396	84
XSara 2.0 HDI 109	5396	84
XSara 2.0 HDI 109	5437	85
XSara Picasso 2.0 HDI	5396	84
XSara Picasso 2.0 HDI	5450	85
XSara Picasso 1.6 HDi	5453	85
XSara Picasso 1.6 HDi	5629	93
XSara Picasso 1.6 HDi	5675	95

Dacia	Nº ZEN	Pg.
Duster 1.5 dCi	5423	84
Duster 1.5 dCi	5467	86
Duster 1.6 16V	5575	90
Lodgy 1.5 dCi	5585	90
Logan 1.4, 1.4 Bifuel, 1.6, 1.6 LPG	5423	84

Dacia	Nº ZEN	Pg.
Logan 1.5 dCi	5423	84
Logan 1.6 CNG	5423	84
Logan 1.4, 1.4 Bifuel, 1.6, 1.6 LPG	5467	86
Logan 1.5 dCi	5467	86
Logan 1.6 CNG	5467	86
Logan 1.5 dCi (KS0K)	5512	88
Logan 1.5 dCi (LS0J, LS0Y)	5512	88
Logan 1.5 dCi (LS0K)	5512	88
Logan 1.6 16V	5575	90
Logan 1.5 dCi (FS0K) (KS0K) (LS0J (LS0K) (LS0W) (US0K) (US0W) LS0Y)	5670	95
Logan Express 1.4, 1.6, 1.5dCi	5423	84
Logan Express 1.4, 1.6, 1.5dCi	5467	86
Logan Express 1.5 dCi (FS0K)	5512	88
Logan Pick Up 1.5 dCi (US0K)	5512	88
Sandero 1.4, 1.6,	5423	84
Sandero 1.5dCi	5423	84
Sandero 1.4, 1.6	5467	86
Sandero 1.5 dCi	5467	86
Sandero 1.5 dCi	5512	88
Sandero	5670	95
Daewoo	Nº ZEN	Pg.
Gentra 1.5	5818	102
Daihatsu	Nº ZEN	Pg.
Charade 1.33 16V	5743	99
Dodge	Nº ZEN	Pg.
2500 L6 6.7L	5570	90
3500 L6 6.7L	5570	90
Avenger 2.0	5507	87
Avenger 2.4	5507	87
Avenger	6004	103
Bullet 45 L6 6.7L	5570	90
Bullet 55 L6 6.7L	5570	90
Caliber 1.8, 2, 2.4	5507	87
Caliber 2.4 Turbo	5507	87
Caliber 1.8, 2.0, 2.4	6004	103
Caravan 3.3, 3.8	5428	85
Caravan	6006	103
Challenger V6 3.6L	5690	96
Charger V6 3.6L	5690	96
Dakota 4.7L	5536	89
Durango V6 3.6L	5690	96
Grand Caravan	6006	103
Journey 2.4	5507	87
Journey 2.4	6004	103
Nitro	6013	103
Ram 1500 V6 3.6L	5690	96
RAM 2500 5.9 24V Diesel	5519	88
RAM 2500 (Crew Cab Pick Up) 5.9 24V Diesel	5519	88
RAM 2500 (Extended Crew Cab Pick Up) 5.9 24V Diesel	5519	88
RAM 2500 [Standard Cab Pick Up] 5.9 24V Diesel	5519	88
RAM 2500 L6 6.7L	5570	90
RAM 3500 5.9 24V Diesel	5519	88
RAM 3500 (Extended Crew Cab Pick Up) 5.9 24V Diesel	5519	88
RAM 3500 L6 6.7L	5570	90

Dodge	Nº ZEN	Pg.
RAM 4500 L6 6.7L	5570	90
RAM 5500 L6 6.7L	5570	90
DS	Nº ZEN	Pg.
3, 4 e 7 Crossback 1.2, 1.5	5790	100
DS3 1.6	5800	101
DS3 1.2	5815	102
DS3 1.5	5815	102
DS4, DS4 Crossback 1.6	5800	101
DS5 1.6	5800	101
DS7 1.5	5815	102
DS7 2.0	5815	102
Fiat	Nº ZEN	Pg.
120 Multijet, 130 Multijet 2.3 D	5388	83
124 Spider (348_)	5777	100
500 1.3 D Multijet (119, 223) (Alt. Denso 120A)	5440	85
500 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
500	5654	94
500 (199)	5706	96
500	5727	98
500 1.4L I4 A/T Easy Cabrio	5789	100
500 1.4L I4 A/T Easy Hatchback	5789	100
500 1.4L I4 A/T Lounge Hatchback	5789	100
500 1.4L I4 A/T Pop Hatchback	5789	100
500 1.4L I4 A/T Sport Hatchback	5789	100
500 1.4L I4 M/T Easy Cabrio	5789	100
500 1.4L I4 M/T Easy Hatchback	5789	100
500 1.4L I4 M/T Lounge Hatchback	5789	100
500 1.4L I4 M/T Pop Hatchback	5789	100
500 1.4L I4 M/T Sport Hatchback	5789	100
500 1.4L Turbo I4 A/T 1957 Retro Edition	5789	100
500 1.4L Turbo I4 A/T Abarth Cabrio	5789	100
500 1.4L Turbo I4 A/T Abarth Hatchback	5789	100
500 1.4L Turbo I4 A/T C Lounge	5789	100
500 1.4L Turbo I4 A/T C Pop	5789	100
500 1.4L Turbo I4 A/T Lounge	5789	100
500 1.4L Turbo I4 A/T Pop	5789	100
500 1.4L Turbo I4 A/T Turbo Hatchback	5789	100
500 1.4L Turbo I4 M/T 1957 Retro Edition	5789	100
500 1.4L Turbo I4 M/T Abarth	5789	100
500 1.4L Turbo I4 M/T Abarth Hatchback	5789	100
500 1.4L Turbo I4 M/T C Lounge	5789	100
500 1.4L Turbo I4 M/T C Pop	5789	100
500 1.4L Turbo I4 M/T Lounge	5789	100
500 1.4L Turbo I4 M/T Pop	5789	100
500 1.4L Turbo I4 M/T Turbo Hatchback	5789	100
500 A/T E	5789	100
500 A/T E-Sport	5789	100
500 1.3 D Multijet 169 A1.000 (55kW)	6009	103
500C 1.3 D Multijet (119, 223) (Alt. Denso 120A)	5440	85
500C 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
500C	5727	98
500C 1.4L I4 A/T LOUNGE Cabrio	5789	100
500C 1.4L I4 A/T Pop Cabrio	5789	100
500C 1.4L I4 M/T LOUNGE Cabrio	5789	100
500C 1.4L I4 M/T Pop CABRIO	5789	100
500C 1.4L Turbo I4 A/T Abarth Cabrio	5789	100

Fiat	Nº ZEN	Pg.
500C 1.4L Turbo I4 M/T Abarth Cabrio	5789	100
500C 1.3 D Multijet 169 A1.000 (55kW)	6009	103
500E 83 kW Electric Motor Battery Electric	5789	100
500I	5730	98
500L (351_352_)	5777	100
500L 1.3	5802	101
500T 1.4L Turbo I4 Sport Hatchback	5789	100
500X	5648	94
500x	5730	98
500X (334_)	5777	100
500X 1.4L Turbo I4 Abarth Hatchback	5789	100
500X 1.3	5802	101
595	5727	98
595C	5727	98
695	5727	98
695C	5727	98
Argo 1.0 e 1.3	5706	96
Argo 1.8 E-Torq	5707	96
Brava (182) 1.9 TD 100 S, 1.9 JTD (182.AF,BF)	5379	83
Brava 1.9 D	5576	90
Brava 1.9 JTD (74kW)	5576	90
Brava 1.9 JTD 105	5576	90
Brava 1.9 TD 75 S (55kW), 1.9 TD 100 S (74kW)	5576	90
Brava (182)	5642	93
Bravo (110kW) 1.4 T-Jet	5528	89
Bravo (66-88kW) 1.4, 1.4 T-Jet abo	5528	89
Bravo (66kW) 1.9 D Multijet	5528	89
Bravo (88/110kW) 1.9 D Multijet	5528	89
Bravo 1.6 D Multijet	5528	89
Bravo 2.0 D Multijet	5528	89
Bravo (182) 1.9 D	5576	90
Bravo (182) 1.9 JTD	5576	90
Bravo (182) 1.9 JTD 105	5576	90
Bravo (182) 1.9 TD 75 S, 1.9 TD 100 S	5576	90
Bravo (198) 1.4 T-Jet (110kW)	5576	90
Bravo (198) 1.4 T-Jet (66-88kW)	5576	90
Bravo (198) 1.4, 1.4 T-Jet (103kW)	5576	90
Bravo (198) 1.9 D Multijet (66kW)	5576	90
Bravo (198) 1.9 D Multijet (88-110kW)	5576	90
Bravo 1.9 JTD 16 V	5627	93
Bravo	5654	94
Bravo I (182) 1.9 TD 100 S, 1.9 JTD (182.AF,BF)	5379	83
Bravo I (182)	5642	93
Bravo II	5730	98
Croma 2.4 D Multijet	5496	87
Croma 1.9 D Multijet	5528	89
Croma (194) 1.9 D Multijet	5576	90
Croma 1.9 JTD 8/16 V	5627	93
Croma	5730	98
Cronos 1.8 E-Torq	5707	96
Doblo (119) 1.9 JTD (223AXE1A)	5379	83
Doblo 1.8 OHCI com AC	5435	85
Doblo 1.3 JTD (119, 223) (Alt. Denso 120A)	5440	85
Doblo 1.3 JTD 16V (119, 223) (Alt. Denso 90/120A)	5440	85
Doblo (119, 223) 1.3 JTD, 1.3 JTD 16V, 1.3 D Multijet, 1.3 JTD 16V Multijet (Alt. Valeo 90/105A)	5449	85
Doblo 1.8 sem AC	5518	88

Fiat	Nº ZEN	Pg.
Doblo 1.6 D 16V Multijet, 1.6 D Multijet, 2.0 D Multijet	5528	89
Doblo (119, 223) 1.9 D (46kW)	5576	90
Doblo (119, 223) 1.9 D Multijet, 1.9 JTD Multijet (88kW)	5576	90
Doblo (119, 223) 1.9 JTD (74kW)	5576	90
Doblo (119, 223) 1.9 JTD (77kW)	5576	90
Doblo	5654	94
Dobló Multijet 1.3	5802	101
Dobló 1.3 D Multijet 1.3 JTD	6009	103
Doblo (152) 1.3 D Multijet (Alt. Denso 90/105/120A)	5440	85
Doblo Cargo (223) 1.9 JTD (223AXE1A)	5379	83
Doblo Cargo (223)	5642	93
Ducato 2.3 JTD	5388	83
Ducato 2.0 JTD, 2.3 JTD	5437	85
Ducato (230) 2.0 JTD	5450	85
Ducato (244) 2.0 JTD	5450	85
Ducato (230) 2.0 JTD (alt.9649611280/9646321780)	5453	85
Ducato (244) 2.0 JTD (alt.9649611280/9646321780)	5453	85
Ducato 2.0	5629	93
Ducato	5663	95
Ducato 2.3 Multijet	5810	102
Ducato 100 2.2 D Multijet	5580	90
Ducato 100 Multijet 2.2 D	5450	85
Ducato 140 Natural Power, 140 Natural Power 3.0	5604	92
Ducato 160 Multijet Power 3.0 D	5604	92
Fiorino 1.3 D Multijet (Alt. Denso 120A)	5440	85
Fiorino 1.3 D Multijet (Alt. Valeo 90A)	5449	85
Fiorino 1.3 D Multijet 199 A2.000 199 A9.000 199 B1.000 (55-70kW)	6009	103
Fiorino Qubo 1.3 D Multijet (Alt. Denso 120A)	5440	85
Freemont	5507	87
Freemont	6004	103
Grand Punto 1.3 D Multijet (199)	5396	84
Grand Punto 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
Grand Punto 1.9 D Multijet	5528	89
Grand Punto (199) 1.9 D Multijet	5576	90
Grand Punto 1.9 JTD	5627	93
Grand Punto 1.3 D Multijet 199 A3.000 199 B1.000 (66-70kW)	6011	103
Grand Punto (199) 1.3 D Multijet (Alt. Denso 90/120A)	5440	85
Idea 1.3 JTD (Alt. Denso 90/105/120A)	5440	85
Idea 1.3 JTD (Alt. Valeo 90/105A)	5449	85
Idea 1.9 JTD	5528	89
Idea 1.9 JTD	5576	90
Idea 1.3 D Multijet 1.3 JTD	6009	103
Linea 1.3 D Multijet (Alt. Denso 90/105A)	5440	85
Linea 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
Linea 1.6 D Multijet	5528	89
Linea	5654	94
Linea 1.3 D Multijet 199 A3.000 (66-70kW)	6009	103
Marea 1.9 TD 100, JTD 110	5379	83
Marea 2.4 JTD 130	5560	89
Marea (185) 1.9 JTD	5576	90
Marea (185) 1.9 JTD 110	5576	90
Marea (185) 1.9 TD 100	5576	90
Marea (185) 2.4 JTD	5576	90
Marea (185)	5642	93
Marea SW 2.4 JTD 130	5560	89



Fiat	Nº ZEN	Pg.
Marea Weekend (185) 1.9 TD 100, JTD 110	5379	83
Marea Weekend (185)	5642	93
Mobi 1.0 e 1.3	5706	96
Multipia (186) 1.9 JTD	5576	90
Multipia (186) 1.9 JTD (186AXE1A)	5576	90
Multipia (186) 1.9 JTD 110, 1.9 JTD 115	5576	90
Multipia (186)	5642	93
Palio 1.8 OHCI com AC	5435	85
Palio 1.3, 1.3 JTD Multijet (Alt. Valeo 90A)	5449	85
Palio 1.8 sem AC	5518	88
Palio 1.9 D/1.9 JTD EL	5576	90
Panda (169) 1.3 I JTD, 1.3 D Multijet, 1.3 D Multijet 4x4 (Alt. Valeo 90A)	5449	85
Panda	5654	94
Panda 1.3 D Multijet 4x4	6009	103
Pulse 1.3 8V, Motor Firefly, Flex - Transmissão Manual	5706	96
Punto (188) 1.3 JTD (Alt. Valeo 75/105A)	5449	85
Punto 1.9 JTD	5528	89
Punto 1.9 D 60/1.9 DS 60, 1.9 JTD 80	5576	90
Punto 1.9 JTD (63kW)	5576	90
Punto 1.9 JTD (74kW)	5576	90
Punto (199)	5706	96
Punto 1.3 D Multijet 199 A2.000 199 A3.000 (55-66kW)	6009	103
Punto 1.3 D Multijet 199 A2.000 199 A3.000 (55-66kW)	6011	103
Punto (188)	5642	93
Punto Evo 1.3 D Multijet (Alt. Denso 90/105A)	5440	85
Punto Evo 1.3 JTD (Alt. Valeo 90/105/120A)	5449	85
Punto Evo 1.6 D Multijet	5528	89
Punto Van (188AX)	5642	93
Ritmo 1.6 D, 2.0 D Multijet	5528	89
Ritmo 1.9 D Multijet	5528	89
Scudo 2.0 JTD	5396	84
Scudo 2.0 JTD	5437	85
Scudo (220) 1.9 D	5450	85
Scudo 1.6 D Multijet, 2.0 D Multijet	5450	85
Scudo (220) 1.9 D, 1.9 TD (51-68kW) (alt.9655733780)	5453	85
Scudo (220) 1.9 D, 2.0 JTD (51kW) (alt.9655733780)	5453	85
Scudo (220) 2.0 JTD (69-80kW) (alt.71733552)	5453	85
Scudo (220) 2.0 JTD (69kW) (alt.71733552/71749232/71748885)	5453	85
Scudo 1.6 D Multijet, 2.0 D Multijet (alt.71733552)	5453	85
Scudo 1.6, 1.9 e 2.0	5629	93
Scudo 2.0 D Multijet	5678	95
Scudo (270_) 2.0 D Multijet	5782	100
Scudo Furgonato 2.0	5782	100
Scudo Kasten 2.0 D Multifet	5782	100
Siena 1.3 JTD (Alt. Valeo 90A)	5449	85
Siena 1.9	5576	90
Stilo 1.8 OHCI com AC	5435	85
Stilo 1.8 sem AC	5518	88
Stilo 1.9 D Multijet	5528	89
Stilo 1.9 D, 1.9 JTD (192AXS1B, 192BXS1B)	5528	89
Stilo 1.9 JTD	5528	89
Stilo (192) 1.9 D Multijet (59kW)	5576	90
Stilo (192) 1.9 D, 1.9 JTD (192AXS1B, 192BXS1B) (66kW)	5576	90
Stilo (192) 1.9 JTD (85kW)	5576	90
Stilo 1.9 JTD 16V, S.W	5627	93

Fiat	Nº ZEN	Pg.
Strada (178E) 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
Strada (178E) 1.9 D	5576	90
Strada (178E) 1.9 JTD	5576	90
Strada 1.3 D Multijet 199 B1.000 (70kW)	6009	103
Tipo 1.3	5802	101
Tipo Estate (356)	5706	96
Tipo Hatchback (356)	5706	96
Tipo Saloon (356)	5706	96
Toro 1.8 16V Flex	5707	96
Toro Diesel	5708	97
Ulysse (179AX) 2.0 D Multijet	5678	95
Ulysse 2.0 JTD	5396	84
Ulysse 2.0 D Multijet (179)	5437	85
Ulysse 2.0 JTD (179)	5437	85
Ulysse 2.0 JTD (220)	5437	85
Ulysse 2.2 D Multijet, 2.2 JTD (179)	5437	85
Ulysse (179) 2.0 D Multijet (88-100kW)	5450	85
Ulysse (179) 2.0 JTD (79kW)	5450	85
Ulysse (179) 2.0 JTD (80kW)	5450	85
Ulysse (179) 2.2 D Multijet, 2.2 JTD (94-125kW)	5450	85
Ulysse (220) 2.0 JTD	5450	85
Ulysse (179) 2.0 D Multijet (88-100kW) (alt.71733552)	5453	85
Ulysse (179) 2.0 JTD (79kW) (alt.71733552)	5453	85
Ulysse (179) 2.0 JTD, 2.2 D Multijet, 2.2 JTD (80-125kW) (alt.71733552/71748885/9661544880)	5453	85
Ulysse (220) 2.0 JTD (80kW) (alt.71733552)	5453	85
Ulysse 2.0 e 2.2	5629	93
Ulysse (179AX) 2.0 D Multijet	5782	100
Ulysse (179AX) 2.2 JTD	5782	100
Uno 1.0 e 1.3	5706	96

Ford	Nº ZEN	Pg.
B-MAX	5635	93
B-Max 1.5, 1.6, TDCi	5801	101
B-Max Van TDCi, 1.5, 1.6	5801	101
C Max 1.8 TdCi	5462	86
C Max 1.6TDCi, 2.0TDCi	5501	87
C-Max 1.0 EcoBoost	5719	97
C-Max (DM2)	5648	94
C-Max II	5646	94
C-Max II TDCi, 1.5, 1.6, 2.0	5801	101
Crown Victoria 4.6L V8	5406	84
EcoSport	5586	91
EcoSport	5635	93
EcoSport 1.6 SIGMA	5664	95
Ecosport 2.0 Flex 4WD	5766	99
Ecosport 2.0 Gdi	5798	101
EcoSport 1.5 TDCi	5801	101
EcoSport 1.5, TDCi	5807	101
EcoSport 1.5 Dragon Flex	5819	102
Ecosport Titanium	5714	97
Edge L4 2.0L 1999cc122cid	5770	99
Edge 2.0, EcoBlue, TDCi	5807	101
Edge 2.0L L4 GAS	5711	97
Escape 1.5	5690	96
Escape 1.6 L4	5690	96
Escape 2.0L GTDI	5780	100

Ford	Nº ZEN	Pg.
Escape 2.5L	5780	100
Escape L4 2.0L 1999cc122cid	5780	100
Escape L4 2.0L 1999cc122cid VIN9	5780	100
Escape L4 2.5L 2488cc152cid	5780	100
Escape L4 2.5L 2488cc152cid VIN7	5780	100
Escape (Sport Utility) 2.3 16V, 2.3 16V Electric/Gas	5499	87
Expedition 4.6	5438	85
Expedition 5.4	5438	85
Explorer L4 2.0L	5695	96
Explorer 2.0L	5711	97
Fiesta Todos Sigma 1.5L Trans. Manual e Automatica	5664	95
Fiesta Todos Sigma 1.6L Trans. Manual e Automatica	5664	95
Fiesta 1.0 EcoBoost	5719	97
Fiesta três volumes	5586	91
Fiesta V 1.4 TdCi (JH,JD)	5437	85
Fiesta V 1.4 TdCi (JH,JD)	5457	86
Fiesta V 1.6 TdCi	5501	87
Fiesta V 1.4 TDCi	5629	93
Fiesta V 1.6 TdCi	5629	93
Fiesta Van 1.4 TdCi	5437	85
Fiesta Van 1.4 TdCi	5457	86
Fiesta Van 1.4 TdCi	5629	93
Fiesta Van	5646	94
Fiesta Van	5648	94
Fiesta VI 1.4 TDCi, 1.6 TDCi	5629	93
Fiesta VI	5635	93
Fiesta VI	5646	94
Fiesta VII 1.1	5719	97
Fiesta VII TDCi, 1.5	5801	101
FiestaVI TDCi, 1.4, 1.5 e 1.6	5801	101
Focus 1.8 TdCi	5462	86
Focus 2.0L, 2.3L W/MT	5524	88
Focus	5664	95
Focus 2.0	5714	97
Focus 1.0 EcoBoost	5719	97
Focus III MGDA 2.0 Ti-GDi	5772	99
Focus L4 2.0	5772	99
Focus 2.0L GTDI	5780	100
Focus 2.5L	5780	100
Focus III Eng. 2.3RS257kw	5780	100
Focus L4 2.0L 1999cc122cid VIN9	5780	100
Focus L4 2.3L 2300cc140cid VINH	5780	100
Focus 2.0 Non Turbo	5785	100
Focus L4 2.0	5785	100
Focus 1.5, 2.0	5807	101
Focus (Sedan) 2.3 16V ano 01.03-12.07	5524	88
Focus (Sedan/Hatchback/Wagon) 2.0 16V ano 01.05-12.07	5524	88
Focus 2, Schrägheck 2.0	5524	88
Focus C Max 1.8 TdCi	5462	86
Focus C Max 1.8	5464	86
Focus C Max 1.8 FFV	5464	86
Focus C Max 2.0	5464	86
Focus C Max 1.6 TdCi (66kW)	5501	87
Focus C Max 1.6 TdCi (80kW)	5501	87
Focus C Max 2.0 TdCi (100kW)	5501	87
Focus II 1.8 TdCi	5462	86

Ford	Nº ZEN	Pg.
Focus II 1.8 FFV, 1.8 Flexifuel	5464	86
Focus II 2.0	5464	86
Focus II 1.6 TdCi, 1.6 TDCi, 2.0 TDCi	5501	87
Focus II (DA) 2.5 ST	5608	92
Focus II TdCi, 2.0	5801	101
Focus II (DA)	5648	94
Focus II Saloon (DA)	5648	94
Focus III	5635	93
Focus III	5646	94
Focus III TDCi, 1.5, 1.6, 2.0	5801	101
Focus III Saloon	5635	93
Focus III Saloon	5646	94
Focus III Turnier	5635	93
Focus III Turnier	5646	94
Focus ST170	5524	88
Ford Crown Victoria 4.6, 4.6 Sport Supercharged	5497	87
Freestyle	5586	91
Fusion 1.4 TdCi (JU)	5437	85
Fusion 1.4 TdCi (JU)	5457	86
Fusion 1.6 TdCi	5501	87
Fusion 1.5 e 1.6 Liter	5690	96
Fusion 1.6L	5711	97
Fusion 2.0L	5711	97
Fusion 2.5L	5711	97
Fusion L4 2.0L 1999cc122cid VIN9	5780	100
Fusion L4 2.5L 2488cc152cid VIN7	5780	100
Fusion L4 2.5L 2488cc152cid VINT	5780	100
Galaxy 1.9 TDi, 2.8i V6 4x4	5378	83
Galaxy 1.9 TDI	5381	83
Galaxy 2.0 TDCi	5450	85
Galaxy 2.2 TDCi	5450	85
Galaxy 2.0	5464	86
Galaxy 2.0 SCTi	5589	91
Galaxy 2.0, EcoBlue, TDCi	5807	101
Galaxy (WA6)	5646	94
Galaxy 2 2.0 Flexifuel	5504	87
Galaxy, S-Max 1.8 TdCi	5462	86
Grand C-Max	5646	94
Grand C-Max TDCi, 1.5, 1.6, 2.0	5801	101
Grand Tourneo Connect TDCi, 1.5, 1.6	5801	101
Grand Tourneo Connect 1.5	5807	101
Ikon Sedan 1.4 TDCi	5457	86
Ka Motor 1.0 12V Flex	5635	93
KA 1.5	5714	97
KA Motor 1.0 3 cyl.	5721	97
Ka Hatch e Sedan 1.5, Dragon	5819	102
Ka 1.3 TDCi FDS (55kW)	6009	103
Ka+ III (UK, FK)	5586	91
Ka+ III três volumes (TK, FK)	5586	91
Kuga 2.0 TdCi	5501	87
Kuga 2.0L Turbo Gas (CAF488WQ2)	5780	100
Kuga 1.5, TDCi	5807	101
Kuga 2.0	5807	101
Kuga I 2.5 4x4	5668	95
Kuga II 1.5, 2.0, TDCi	5801	101
Kuga II (DM2)	5646	94
Metrostar 2.5	5495	87

Ford	Nº ZEN	Pg.
Mondeo IV 2.0 SCTi	5589	91
Mondeo 2.5 V6 24V	5495	87
Mondeo 3.0 V6 24V	5495	87
Mondeo 2.0, EcoBlue, TDCi	5807	101
Mondeo III 1.8 Sci (BWY)	5429	85
Mondeo III 1.8/2.0 16V (B4Y,B5Y)	5429	85
Mondeo III 1.8 16v	5464	86
Mondeo III 1.8 SCi	5464	86
Mondeo IV 2.0 TDCi	5450	85
Mondeo IV 2.2 TdCi	5450	85
Mondeo IV 1.8 TdCi	5462	86
Mondeo IV (BA7)	5634	93
Mondeo IV 2.0 Flexifuel	5504	87
Mondeo IV Saloon (BA7)	5634	93
Mondeo IV Turnier (BA7)	5634	93
Mondeo IV Turnier (BA7)	5646	94
Mondeo ST 220 (motor 3.0 V6)	5495	87
Mustang 4.6	5438	85
Mustang Ecoboost 2.3L	5711	97
Mustang V8, 5.0	5717	97
Mustang V8, 5.0	5822	102
Mustang V8, 5.2	5822	102
New Fiesta Motor Mexicano	5714	97
Probe II 2.5 V6 24V	5438	85
Puma 1.0 EcoBoost	5719	97
Puma 1.5	5807	101
Ranger 2.2	5452	85
Ranger 2.2 TDCi	5774	99
Ranger 2.2 TDCi 4x4	5774	99
Ranger 3.2 TDCi	5774	99
Ranger 3.2 TDCi4x4	5774	99
S Max 2.0 TdCi	5450	85
S Max 2.2 TdCi	5450	85
S Max 2.0 SCTi	5589	91
S Max 2.0 Flexifuel	5464	86
S Max 2.0 Flexifuel	5504	87
S-Max 2.0, EcoBlue, TDCi	5807	101
S-Max (WA6)	5634	93
S-Max (WA6)	5646	94
Taurus 2.0L	5711	97
Tourneo Connect 1.8 Di, 1.8 TdCi, 1.8 Turbo Di	5462	86
Tourneo Connect 1.0 EcoBoost	5719	97
Tourneo Connect TDCi, 1.5, 1.6	5801	101
Tourneo Connect 1.5	5807	101
Tourneo Courier Kombi	5635	93
Tourneo Custom 2.0	5807	101
Transit 2.4 Di, 2.4 TD, 2.4 TDE	5403	84
Transit 2.4 TdCi, 2.4 TDE	5403	84
Transit 2.4 Di (F,B, FC, FA_)	5408	84
Transit 2.4 Di [RWD] (FB, FC,FA_)	5408	84
Transit 2.4 Di [RWD] (FB, FC_)	5408	84
Transit 2.4 TD, 2.4 TDdi	5408	84
Transit 2.4 TDCi	5408	84
Transit 2.4 TDdi	5408	84
Transit 2.4 TDE	5408	84
Transit 2.4 TDE (FC, FB, FA)	5408	84
Transit 2.2 TdCi, 2.4 TdCi, 3.2 TdCi	5452	85

Ford	Nº ZEN	Pg.
Transit 2.2 TDCi	5580	90
Transit BOX FA	5736	98
Transit BUS FD, FB, FS, FZ e FC	5736	98
Transit Platform/Chassis FM, FN	5736	98
Transit Connect L4 2.5L 2488cc152cid	5780	100
Transit Connect LCV 2.0L GTDI	5780	100
Transit Connect LCV 2.5L	5780	100
Transit 330K, L, M 2.0, 2.4	5403	84
Transit 350EL, L, M 2.0, 2.4	5403	84
Transit 430EL, M 2.0, 2.4	5403	84
Transit Box (FA)	5638	93
Transit Bus 2.3 16V (FD, FB, FS, FZ, FC)	5506	87
Transit Bus (FD, FB, FS, FZ, FC)	5638	93
Transit Connect 1.8 Di, 1.8 TdCi, 1.8 TdCi DPF	5462	86
Transit Connect 1.0 EcoBoost	5719	97
Transit Connect TDCi, 1.5, 1.6	5801	101
Transit Connect 1.5	5807	101
Transit Courier TDCi, 1.5, 1.6	5801	101
Transit Courier Box	5635	93
Transit Custom 2.0	5807	101
Transit Platform/Chassis (FM, FN)	5638	93
Transit Tourneo 2.2	5452	85
Transit Tourneo 2.2 TDCi	5580	90
Transit V 2.0 TDCi (FAE_ (F_E_ FAF_ FAG_) F_F_ F_F_) F_G_)	5679	95
Transit Van 2.3 (FA, FM, FN)	5506	87
Transit Van 2.3 16V (FA)	5506	87
Transit Van 2.3 16V (FM, FN)	5506	87

General Motors/Chevrolet	Nº ZEN	Pg.
Astra 1.8i, 2.0i, 2.0i 16V, Sedan 1.8i, 2.0i 16V	5422	84
Astra 2.0 8V Gas./Flex	5535	89
Aveo Fastback (T300)	5623	92
Aveo Sedan (T300)	5623	92
Blazer Motor MWM 2.8 Diesel	5374	83
Buick Regal L4 2.0L 1998cc122cid	5771	99
Camaro	5682	95
Camaro	5761	99
City 2.0	5773	99
Cobalt 1.5	5818	102
Cobalt SS L4 2.0L	5521	88
Corvete	5778	100
Corvette	5687	96
Corvette	6026	103
Corvette	6027	104
Cruze Hatch 1.8 Motor a gasolina, 4 Cil. Transmissão Automatica	5622	92
Cruze Sedan 1.8 Motor a Gasolina 4 Cil. Transmissão Automatica 6 marchas	5622	92
Cruze 1.4	5628	93
Cruze 2.0 CDI	5677	95
Cruze 1.4 Turbo	5771	99
Cruze 2.8 6CIL.	5771	99
Cruze Hatchback (J305) 1.7 Diesel	5626	92
Cruze Station Wagon (J308) 1.7 TD Diesel	5626	92
Cruze Station Wagon 2.0 TD	5677	95
Equinox V6 3.6L Flex	5781	100



General Motors/Chevrolet	Nº ZEN	Pg.
Equinox V6 3.6L Gas	5781	100
Impala	5685	96
Impala L4 2.5L 2457cc153cid	5771	99
Impala	6003	103
Impala	6018	103
Impala V6 3.9L	5571	90
Malibu (V300)	5623	92
Malibu L4 2.0L 1998cc122cid	5771	99
Malibu	6003	103
Malibu LZ9 3.9L V6 Gas - DOD	5571	90
Meriva	5435	85
Meriva 1.8 sem AC, com DH	5518	88
Monte Carlo V6 3.9L	5571	90
Monte Carlo	6003	103
Nova S10 2.4	5374	83
Nova S10 2.5	5374	83
Nova S10 2.8	5374	83
Novo Corsa 1.0 OHCI com AC, sem DH	5435	85
Novo Corsa Sedan 1.0 OHCI com AC, sem DH	5435	85
Onix 1.0 e 1.2 turbo	5776	99
Orlando 1.4	5628	93
Orlando 2.0 D	5677	95
S10 Motor MWM 2.8 Diesel	5374	83
S10 2.5 Flex	5455	86
S10 Cab.Dupla e Simples 2.5 4cil	5771	99
Sierra 5.3	5762	99
Sierra 6.2	5762	99
Sierra 1500 4.3	5762	99
Sierra 1500 5.3	5762	99
Sierra 1500 6.2	5762	99
Silverado 1500 4.3	5762	99
Silverado 1500 5.3	5762	99
Silverado 1500 6.2	5762	99
Suburban 5.3	5762	99
Suburban 1500 5.3	5762	99
Tahoe 5.3	5762	99
Tracker Motor MWM 2.8 Diesel	5374	83
Tracker 1.8 Motor a gasolina 4 Cil.	5622	92
Tracker 1.0 e 1.2 turbo	5776	99
Trailblazer	5374	83
Trax	5623	92
Trax 1.7 TD AWD Diesel	5626	92
Vectra 2.2, 2.2 16V	5422	84
Vectra 2.0 8V Gas./Flex	5535	89
Yukon 5.3	5762	99
Yukon 6.2	5762	99
Yukon XL 5.3	5762	99
Yukon XL 6.2	5762	99
Zafira 2.0 MPFI, 2.0i SFI 16V	5422	84
Zafira 2.0 8V Gas./Flex	5535	89
GMC	Nº ZEN	Pg.
Sierra 6.6 DSL	5498	87
Terrain V6 3.6L Flex e Gas	5781	100
Topkick 8.1	5498	87
Honda	Nº ZEN	Pg.
Accord	5683	96

Honda	Nº ZEN	Pg.
Accord	5767	99
Accord IX 2.2 i-DTEC	5591	91
Accord VII (CL) 2.2 i-CTDi	5591	91
Accord VII Tourer (CM) 2.2 i-CTDi	5591	91
Accord VIII (CU) 2.2 i-DTEC	5591	91
Accord VIII (CU) 2.2 i-DTEC	5598	91
Accord VIII Combi 2.2 i-DTEC	5591	91
Accord VIII Combi 2.2 i-DTEC	5598	91
Civic	5767	99
Civic IX (FB,FG) 1.8	5598	91
Civic IX (FK) 1.6 i-DTEC	5598	91
Civic IX (FK) 2.2 i-DTEC	5598	91
Civic VIII Hatchback (FN,FK) 2.2 CTDi	5591	91
CR-V L4 2.4L 2356cc144cid K24W9	5779	100
CR-V II (RD) 2.2 CTDi	5591	91
CR-V III (RE) 2.2 i-CTDi 4WD	5591	91
CR-V III (RE) 2.2 i-DTEC 4WD	5591	91
CR-V III (RE) 2.2 i-CTDi 4WD	5598	91
CR-V III (RE) 2.2 i-DTEC 4WD	5598	91
CR-V IV (RE) 1.6 i-DTEC	5598	91
CR-V IV (RE) 2.2 i-DTEC AWD	5598	91
CRV	5767	99
FR-V (BE) 2.2 i CTDi	5591	91
Odyssey	5733	98
Pilot	5733	98
Ridgeline	5733	98
Hyundai	Nº ZEN	Pg.
Accent (60kW) 1.5 CRDi	5578	90
Accent (81kW) 1.5 CRDi GLS	5578	90
Accent IV (RB) 1.6 GDI	5716	97
Accent IV Saloon (RB) 1.6 GDI	5716	97
Accent (MC) 1.5 CRDi GLS	5583	90
Azera 3.8L V6	5572	90
Azera	5594	91
Click (60kW) 1.5 CRDi	5578	90
Click (75kW) 1.5 CRDi GLS	5578	90
Creta 1.6 Attitude, Pulse, Flex, 4WD	5716	97
Elantra 1.8	5716	97
Elantra Coupe (JK), 1.6	5716	97
Elantra Saloon (AD), 1.6	5716	97
Elantra Saloon (MD, UD), 1.6	5716	97
Elantra Saloon (MD, UD)	5763	99
Elantra (XD) CRDi	5583	90
Elantra / Avante (XD), Trajet (FO) 2.0 CRDi	5460	86
Elantra Saloon (MD UD)	5716	97
Excel 1.5 CRDi	5578	90
Getz (60kW) 1.5 CRDi	5578	90
Getz (75kW) 1.5 CRDi GLS	5578	90
Getz 1.5 CRDi	5583	90
Getz 1.5 CRDi GLS	5583	90
Grand Santa Fé	5657	94
Grandeur 2.2 CRDi D4EB (110-114kW)	5661	94
H 1 2.5 CRDi	5459	86
H 1 Cargo (TQ) - 2.5 CRDi (100kW)	5592	91
H 1 Cargo (TQ) - 2.5 CRDi (120kW)	5592	91
H 1 Cargo (TQ) - 2.5 CRDi (125kW)	5592	91

Hyundai	Nº ZEN	Pg.
H 1 Cargo (TQ) - 2.5 CRDi (81kW)	5592	91
H 1 Travel (TQ) - 2.5 CRDi (100kW)	5592	91
H 1 Travel (TQ) - 2.5 CRDi (120kW)	5592	91
H 1 Travel (TQ) - 2.5 CRDi (125kW)	5592	91
H 1 Travel (TQ) - 2.5 CRDi (85kW)	5592	91
H 100 / Porter Pick Up/ Starex 2.5	5459	86
H 200 Box 2.5 CRDi	5459	86
H 200 Bus 2.5 CRDi, 2.5 CRDi 4WD	5459	86
H1 Cargo (TQ)	5713	97
H1 Travel (TQ)	5713	97
H100 Platform/Chassis	5713	97
H350 Platform/Chassis	5713	97
H350 Box	5713	97
H350 Bus	5713	97
HD 35	5713	97
HD Light	5713	97
i10 1.1 CRDi	5583	90
i10	5659	94
i10 (PA), 1.0	5716	97
i10 1.0 (BA, IA), LPG	5716	97
i10	5731	98
i10 Saloon	5731	98
i20 1.6 CRDi	5583	90
i20 (GB, IB), 1.0, 1.4	5716	97
i20 ACTIVE (IB, GB), 1.0, 1.4	5716	97
i20 Coupe (GB), 1.0, 1.4	5716	97
i20	5731	98
i20 (PB, PBT)	5763	99
i30 2.0 CRDi	5460	86
i30 1.6 CRDi	5583	90
i30 2.0 CRDi D4EA (103kW)	5661	94
i30 (GD)	5716	97
i30 (GD), 1.6	5716	97
i30 (PDE, PD), 1.4, 1.6	5716	97
i30 Coupe, 1.4, 1.6	5716	97
i30 Estate (GD), 1.4, 1.6	5716	97
i30 Estate (PDE), 1.4 MPI e T-GDI	5716	97
i30 FASTBACK (PDE), 1.4 T-GDI	5716	97
i30 (GD)	5763	99
i30 Coupe	5763	99
i30 Estate (GD)	5763	99
i30 Combi 1.6	5793	101
i30 Coupé 1.4, 1.6	5793	101
i30 GD 1.4, 1.6	5793	101
i30 PDE, PD, PDEN 1.6	5793	101
i30 Coupe	5716	97
i30 CW 1.6 CRDi	5583	90
i30 Estate (GD)	5716	97
i40 (VF)	5716	97
i40 1.6 GDI	5716	97
i40 CW (VF)	5716	97
ix20 (JC)	5716	97
ix20 (JC)	5763	99
ix20 Combi 1.4, 1.6	5793	101
IX35 2.0 CRDi, 2.0 CRDi 4WD, 2.0 CRDi All-wheel Drive (110kW)	5593	91
ix35 (LM, EL, ELH)	5594	91

Hyundai	Nº ZEN	Pg.
IX35	5657	94
IX35	5680	95
ix35 (LM, EL, ELH)	5716	97
ix35 (LM, EL, ELH)	5763	99
IX55 3.0 V6 CRDi 4WD	5722	97
ix55 3.0 V6 CRDi	5804	101
Kona (OS) 1.0 T-GDI	5716	97
Lavita (60kW) 1.5 CRDi	5578	90
Lavita (75kW) 1.5 CRDi	5578	90
Matrix (60kW) 1.5 CRDi	5578	90
Matrix (75kW) 1.5 CRDi	5578	90
Matrix 1.5 CRDi	5583	90
Matrix (FC) 1.5 CRDi	5583	90
ND 6L 1.6 CRDi	5583	90
Porter Platform/Chassis	5713	97
Porter Box	5713	97
Santa Fé 2.0 CRDi	5460	86
Santa Fé 2.2 CRDi, 2.2 CRDi GLS	5460	86
Santa Fé II 2.0 CRDi, 2.0 CRDi 4x4 (110kW)	5593	91
Santa Fé II 2.0 CRDi, 2.0 CRDi 4x4 (145kW)	5593	91
Santa Fé II 2.4	5594	91
Santa Fé II 2.4 4x4	5594	91
Santa Fé II	5657	94
Santa Fé II 2.2 CRDi 2.2 CRDi 4x4 GLS 2.2 CRDi GLS 4x4 D4EB (102-114kW)	5661	94
Solaris Saloon, 1.6	5716	97
Sonata VI (YF)	5594	91
Sonata 2.0 CRDi D4EA (100-105kW)	5661	94
Sonata V (NF) 2.0 vTi GLS - 2.4	5680	95
Sonata V 2.0 VVTi	5613	92
Sonata V/Embera 2.0 CRDi	5460	86
Starex	5713	97
Terracan (HP) 2.9 CRDi, 2.9 CRDi 4WD	5466	86
Tucson 2.0 CRDi	5460	86
Tucson 2.0 CRDi, 2.0 CRDi All-wheel Drive (110kW)	5593	91
Tucson 2.0 CRDi 2.0 CRDi D4EA (83kW)	5661	94
Tucson (TL) 1.6, 2.0, GDI	5716	97
Tucson TL, TLE, 1.7	5793	101
Veloster (FS)	5716	97
Verna Diesel	5583	90
Verna III 1.5 CRDi GLS	5578	90
Infiniti	Nº ZEN	Pg.
EX	5614	92
FX	5614	92
M (Y51)	5614	92
Q50L	5784	100
Q50L (DFAC) 2.0 T	5784	100
Q60 Coupé	5784	100
Q70 (Y51)	5614	92
QX50 I	5614	92
QX70	5614	92
Isuzu	Nº ZEN	Pg.
MU-X SUV 1.0 Ddi	5804	101
Iveco	Nº ZEN	Pg.
Daily	5663	95

Iveco	Nº ZEN	Pg.
Daily 33S13, 35S13, 35C13, 33S14	5810	102
Daily 35C11D, 35S11, 40C11, 29L13, 29L13D, 35C13D, 40C13	5810	102
Daily 29L13V, 35C13V, 35S13V, 40C11V, 29L15V, 35S15V	5810	102
Daily 33S11, 35S11, 35C11, 33S12, 35S12, 35C12	5810	102
Daily 33S12, 35S12, 33S14, 35S14, 33S16	5810	102
Daily 35C15, 33S16, 35S16, 35C16	5810	102
Daily 35C15LV, 40C15LV, 50C15LV, 26L11, 26L11D	5810	102
Daily 35C15LV, 40C15LV, 50C15LV, 35C11K	5810	102
Daily 35S11DKP, 35C13K, 35C13DKP, 29L15V, 35S15	5810	102
Daily 35S12, 35C12, 33S13, 35S13	5810	102
Daily 35S14, 35C14, 33S15, 35C13, 33S14	5810	102
Daily 35S14, 35C14, 33S15, 35S15	5810	102
Daily 35S15, 35C15, 33S16, 35S16, 35C16	5810	102
Daily 35S16, 33S11, 35S11, 35C11, 33S12	5810	102
Daily 40C13V, 40S13V, 29L11V, 35C11V, 35S11V	5810	102
Massif	5663	95

Jaguar	Nº ZEN	Pg.
S-Type (CCX) 2.7 L	5428	85
S-Type Sedan (175kW) 3.0 V6	5573	90
X-Type Sedan (143kW) 2.5 24V, 3.0 24V	5573	90
X-Type Wagon (143-169kW) 2.5 24V, 3.0 24V	5573	90
XF 2.7 D	5428	85
XF	5657	94
XF Sportbrake	5657	94
XJ (X350, X358) 6 2.7 D	5428	85

Jeep	Nº ZEN	Pg.
Cherokee	6013	103
Cherokee (KK) 2.8 CRD	5428	85
Compass (MK49) 2.2 CRD 4x4 163 HP OM651925 4 Cilindros	5644	93
Compass (MK49) 2.2 CRD e 4x4 4 Cilindros 136 HP 2143cc	5644	93
Compass Diesel	5708	97
Compass 2 2.4	5507	87
Compass 2.0, 2.4	6004	103
DC World Engines 1.8L/2.0L/2.4L/2.4 turbo 4cyl Gas	5507	87
Grand Cherokee 4.7L	5536	89
Grand Cherokee	5650	94
Grand Cherokee V6 3.6L	5690	96
Grand Cherokee II (WJ, WG) - 2.7 CRD 4x4, 2.7 CRD Laredo	5395	84
Liberty 2.4L	5536	89
Liberty 3.7L	5536	89
Liberty KJ	6013	103
Patriot (MK74) 2.2 CRD 4x4 163 HP 2143cc 4 Cilindros	5644	93
Patriot	6005	103
Patriot 2 2.4	5507	87
Patriot 2.0, 2.4	6004	103
Renegade Diesel	5708	97
Renegade	5730	98
Renegade (BU,B1)	5777	100
Renegade 1.4 4x4	5777	100
TJ	6013	103
Wrangler 2.4L	5536	89
Wrangler III	6013	103

John Deere	Nº ZEN	Pg.
5620 4.5L	5534	89
6110 4.5L	5534	89
6120 4.5L	5534	89
6210 4.5L	5534	89
6220 4.5L	5534	89
6310 4.5L	5534	89
6320 4.5L	5534	89
6410 4.5L	5534	89
6420 4.5L	5534	89
6510 4.5L	5534	89
6520 4.5L	5534	89
6610 7.6L	5534	89
6620 6.7L	5534	89
6810 14.0L	5534	89
6820 6.7L	5534	89
6910 14.0L	5534	89
6920 6.7L	5534	89
7220 6.7L	5534	89
Máquinas Agrícolas	5534	89
Tratores	5534	89

Kia	Nº ZEN	Pg.
Amanti 3.8L	5572	90
Bongo K2500	5713	97
Borrego 3.0 V6 CRDI 4WD	5722	97
Borrego 3.0 CRDi	5804	101
Carens	5680	95
Carens IV	5716	97
Carens IV, 1.6 GDI	5716	97
Carens IV	5763	99
Carens II 2.0 CRDi	5460	86
Carens III 2.0	5613	92
Carens III 2.0 CRDi 115 135 140 D4EA (85-103kW)	5661	94
Carnival (UP) 2.9 TD	5466	86
Carnival	5657	94
Carnival II 2.9 CRDi, 2.9 TD	5466	86
Cee'd (JD) 1.0 T-GDI, 1.4 CVVT e MPI	5716	97
Cee'd 1.0 T-GDI e 1.4 CVVT	5716	97
Cee'd Sportswagon (JD), 1.0 e 1.4	5716	97
Cee'd JD, 1.4, 1.6	5793	101
Cee'd Sportswagon, 1.4, 1.6	5793	101
Ceed JD	5716	97
Ceed (JD)	5763	99
Ceed Sportswagon (JD)	5763	99
Ceed Sportswagon JD	5716	97
Cerato	5460	86
Cerato 2.0 CRDi	5460	86
Cerato 1.5 CRDi	5583	90
Cerato 1.6 CRDi	5583	90
Cerato Hatchback, 1.6	5716	97
Cerato Saloon, 1.6, 16V	5716	97
Cerato Hatchback	5716	97
Cerato Koup (TD)	5716	97
Cerato Saloon	5716	97
Claros Estate (GC) 1.8i 16V, 2.0i 16V	5419	84
Credos (K9A) 1.8i 16V, 2.0i 16V	5419	84
Lotze 2.0 CRDi	5460	86

Kia	Nº ZEN	Pg.
Magentis 2.0	5613	92
Magentis 2.0	5680	95
Mohave	5722	97
Optima CVVL, 2.0	5716	97
Picanto 1.1 D	5583	90
Picanto	5659	94
Picanto 1.0, 1.2	5716	97
Picanto	5731	98
Pro Cee'd 1.0, 1.4	5716	97
Pro Cee'd 1.4, 1.6	5793	101
Pro Ceed JD	5716	97
Pro Ceed (JD)	5763	99
Rio III (UB) 1.2, 1.4	5716	97
Rio III Saloon (UB), 1.2, 1.4	5716	97
Rio IV (YB, SC), 1.0, 1.4, 1.6	5716	97
Rio IV Saloon (SC, FB), 1.4, 1.6	5716	97
Rio III	5731	98
Rio III Saloon	5731	98
Rio III (UB)	5763	99
Rio III (UB)	5716	97
Rio III Saloon (UB)	5716	97
Sedona (GQ) 2.9 TD, 2.9 CRDi	5466	86
Sedona (UP) 2.9 TD	5466	86
Shuma Coupe, 1.6 T-GDI	5716	97
Sorento 2.5 CRDi	5459	86
Sorento 2.0 CRDi, 2.0 CRDi 4WD (110kW)	5593	91
Sorento 2.0 CRDi, 2.0 CRDi 4WD (145kW)	5593	91
Sorento 2.4 CVVT, 2.4 CVVT 4WD (129kW)	5594	91
Sorento L4 2.4L 2359cc VIN 6	5765	99
Sorento I (JC) 2.5 CRDi (120kW)	5592	91
Sorento I (JC) 2.5 CRDi (125kW)	5592	91
Sorento II	5657	94
Soul 1.6 CRDi	5583	90
Soul (AM)	5716	97
Soul II (PS), 1.6, Flex	5716	97
Soul (AM)	5763	99
Soul II (PS)	5763	99
Soul II (PS)	5716	97
Sportage 2.0 CRDi	5460	86
Sportage	5657	94
Sportage	5680	95
Sportage (QL, QLE), 1.6, 2.0, TGDI, Flex	5716	97
Sportage (SL)	5716	97
Sportage (QL)	5763	99
Sportage (SL)	5763	99
Sportage 1.4, 1.6	5793	101
Sportage 1.7	5793	101
Stonic (YB), 1.0, 1.2, 1.4 CVVT, T-GDI	5716	97
Venga (YN)	5716	97
Venga (YN)	5763	99
Lancia	Nº ZEN	Pg.
Delta III 1.6/2.0 Multijet	5528	89
Delta III 1.6 Multijet, 1.9 Multijet, 2.0 Multijet	5576	90
Delta III	5654	94
Delta III	5730	98
Kappa 2.0 20V (838AA1AA)	5560	89

Lancia	Nº ZEN	Pg.
Kappa 2.4 20V (838AC1AA, 838AC11A)	5560	89
Kappa 2.4 T.DS (838AE1AA, 838AH1AA)	5560	89
Kappa SW 2.0 16V Turbo (838BB1AA), 2.4 20V (838BC1AA, 838BC11A)	5560	89
Kappa (838) 2.4 JTD, 2.4 TD	5576	90
Kappa (838A)	5642	93
Kappa SW (838B)	5642	93
Lybra 1.9 JTD (839AX11A)	5379	83
Lybra (839) 1.9 JTD (77kW), 2.4 JTD (99kW)	5576	90
Lybra (839) 1.9 JTD (81kW)	5576	90
Lybra (839) 1.9 JTD (85kW)	5576	90
Lybra (839) 2.4 JTD (103-110kW)	5576	90
Lybra (839AX)	5642	93
Lybra SW (839AX) 1.9 JTD (839AX11A)	5379	83
Lybra SW 1.9 JTD (839BXD1A)	5560	89
Lybra SW (839BX)	5642	93
Musa 1.3 Multijet (Alt. Denso 90/105A)	5440	85
Musa 1.3 Multijet, 1.3 D Multijet (Alt. Valeo 90/105A)	5449	85
Musa 1.6 D Multijet	5528	89
Musa 1.9 Multijet	5528	89
Musa 1.9 Multijet	5576	90
Musa 1.3 D Multijet 188 A9.000 (51kW)	6009	103
Phedra 2.0 JTD	5437	85
Phedra 2.0 JTD, 2.0 D Multijet	5437	85
Phedra 2.2 D Multijet	5437	85
Phedra 2.2 JTD	5437	85
Phedra 2.0 D (88kW)	5450	85
Phedra 2.0 D Multijet (100kW)	5450	85
Phedra 2.0 JTD, 2.2 JTD (79-80kW)	5450	85
Phedra 2.2 JTD (94kW)	5450	85
Phedra 2.0 D Multijet (alt.71733552)	5453	85
Phedra 2.0 JTD (alt.71733552)	5453	85
Phedra 2.2 D Multijet (alt.71733552)	5453	85
Phedra 2.2 JTD (alt.71733552)	5453	85
Phedra 2.0 e 2.2	5629	93
Phedra (179) 2.0 D Multijet	5678	95
Phedra 179 2.0 D Multijet 2.0 JTD 2.2 JTD	5782	100
Phedra 179 2.2 D Multijet	5782	100
Phedra 179 2.2 JTD (179AXC1A)	5782	100
Thesis 2.0 Turbo, 2.4, 2.4 JTD	5576	90
Thesis 2.4 JTD	5576	90
Ypsilon 1.3 Multijet (Alt. Denso 75A)	5440	85
Ypsilon 1.3 JTD, 1.3 Multijet (Alt. Valeo 90A)	5449	85
Ypsilon	5654	94
Ypsilon 1.3 D Multijet 1.3 JTD 188 A9.000 199 A2.000 (51-55kW)	6009	103
Zeta 2.0 JTD	5396	84
Zeta 2.0 JTD	5437	85
Land Rover	Nº ZEN	Pg.
Defender 90, 110, 130 2.4 Td4	5452	85
Discovery Spor (L550) 2.2 4x4	5788	100
Discovery III 2.7 TD	5428	85
Evoque 2.0	5589	91
Freelander 2.2 TD4 (112kW)	5450	85
Freelander 2.2, 2.2 TD4 (115-118kW)	5450	85
Freelander 3.2 4x4	5686	96
Range Rover Evoque (L538)2.2 4x4	5788	100



Land Rover	Nº ZEN	Pg.
Range Rover Evoque	5657	94
Range Rover Sport 2.7 TDVM	5428	85
Lexus	Nº ZEN	Pg.
ES	6005	103
ES 350 [Sedan] 3.5 24V	5503	87
GS	6005	103
GS 3 4.3 VVTi, 430, 450h, 460	5503	87
IS 250 [Sedan] 2.5 24V	5503	87
IS 250, 220 d	5503	87
IS 350 [Sedan] 3.5 24V	5503	87
IS C	6005	103
IS II 200d, 220d	5609	92
IS II	6005	103
NX200T L4 2.0L 1998cc122cid	5696	96
NX300 L4 2.0L 1998cc122cid	5696	96
RX 3.3, 300, 350, 400h, 450h	5503	87
RX 330 [Sport Utility] - 3.3 24V	5503	87
RX 350 [Sport Utility] - 3.5 24V	5503	87
RX	6005	103
Lincoln	Nº ZEN	Pg.
MKC 2.3L L4 GAS	5711	97
MKC 2.0L L4 GAS	5711	97
MKT 3.5L V6 GAS	5711	97
MKT 3.7L V6 GAS	5711	97
MKT 2.0L L4 GAS	5711	97
MKZ 2.0L L4 GAS	5711	97
Nautilus 2.0L L4 GAS	5711	97
Navigator 5.4	5438	85
Lotus	Nº ZEN	Pg.
Exige 1.8 265 E	5458	86
Maruti	Nº ZEN	Pg.
Swift	5720	97
Mazda	Nº ZEN	Pg.
2 1.4	5437	85
2 2.3	5492	86
2 1.4 MZR	5629	93
2 1.6 MZ-CD	5629	93
2	5652	94
2 1.4, 1.6	5801	101
3 (BK) 1.6 DI Turbo	5501	87
3 (BL) 1.6 MZR-CD	5501	87
3 2.0 MZR-CD	5527	88
3 2.2 MZR-CD	5527	88
3 (BK) - 2.3 DiSi Turbo MPS	5597	91
3 (BK) - 2.3 MPS (191 kW)	5597	91
3 (BK) - 2.3 MPS (196 kW)	5597	91
3 (BK) - 2.3 MZR	5597	91
3 (BK) - 2.3 MZR Sport	5597	91
3 (BL) - 2.3 MPS Turbo	5597	91
3 (BK)	5612	92
3 (BL)	5612	92
3	5652	94
3 (BL)	5648	94
3 BL 1.6 MZR-CD	5629	93

Mazda	Nº ZEN	Pg.
3 Saloon (BL)	5648	94
3 Sedan (BK) - 2.3	5597	91
5 2.0	5527	88
5 2.0 CD	5527	88
6 1.8	5492	86
6 2.0 CiTD, 2.0 DI	5527	88
6 2.2 MRZ-CD	5527	88
6 (GG) - 2.3 MPS Turbo	5597	91
6 (GG)	5612	92
6 Estate	5652	94
6 Saloon	5652	94
6 Station Wagon (GY)	5612	92
626 IV Hatchback 2.5	5438	85
626 Mk IV 1.8i, 2.0i, 2.0i 4WD	5419	84
626 Mk IV Hatchback 1.8, 2.0i, 2.0i 4WD	5419	84
Altenza 2.0, 2.3 I	5511	88
Atenza 2.0 DI	5527	88
Atenza (GG) - 2.3 MPS Turbo	5597	91
B Series/MPV II 2.5 V6	5419	84
Bongo Brawny 2.0L Turbo Diesel	5797	101
Bongo Truck Van 2.0L Turbo Diesel	5797	101
BT-50 Pick Up 3.0	5452	85
CX 3	5652	94
CX 5	5652	94
CX-7 2.2 MZR-CD	5527	88
CX-7 (ER) - 2.3 DISI	5597	91
CX-7 (ER) - 2.3 DISI AWD	5597	91
CX-7 (ER) - 2.3 MZR DISI Turbo AWD	5597	91
CX-7 (ER) 2.3 MZR DISI Turbo	5597	91
Demio 1.4 CD	5457	86
Mazda 3 (BK) 1.6	5511	88
Mazda 3 (BL) 1.6 MZR	5511	88
Mazda 3 Saloon (BK) 1.6	5511	88
Mazda 3 Saloon (BL) 1.6 MZR	5511	88
Mazda 6 (GG) 1.8, 2, 2.3	5511	88
Mazda 6 (GG) 2.3	5511	88
Mazda 6 Hatchback (GG) 1.8, 2, 2.3	5511	88
Mazda 6 Station Wagon (GY) 1.8, 2, 2.3	5511	88
Mazda 6 Station Wagon (GY) 2.3 AWD	5511	88
MPV II (LW) 2.5 V6	5438	85
MPV II 2.0 DI	5527	88
MX 6 2.0i	5419	84
Titan 2.0L Turbo Diesel	5797	101
Tribute 2.3 All-wheel Drive	5499	87
Tribute 2.3 AWD	5499	87
Tribute 2.3, 2.3 GX, 2.3 AWD	5499	87
Tribute (Sport Utility) 2.3 16V	5499	87
Mercedes Benz	Nº ZEN	Pg.
160, 180, 200	5496	87
2 T 208D	5377	83
2 T 210D, 212D	5377	83
3 T 308D, 310D	5377	83
3 T 310D	5377	83
4 T 408D	5377	83
A (44-70kW) 160 CDI, A 170 CDI 07/199808.04	5574	90
A 160 CDI, A 180 CDI, A 200 CDI (60-103kW)	5574	90

Mercedes Benz	Nº ZEN	Pg.
A 150, A 170, A 200, A 200 Turbo	5510	87
A Class (W176)	5630	93
Accelo 915 C OM 904.943, OM 904.957, OM 904.965, OM 904.966, OM 904.970	5681	95
Accelo 915C OM 904.970	5651	94
AMG GT 190.377	5816	102
AMG GT 190382	5816	102
AMG GT Roadster	5816	102
AMG GT C 190380	5816	102
AMG GT R 190379	5816	102
AMG GT S 190378	5816	102
AMG GT X290 290688	5816	102
AMG GT X290 290689	5816	102
Atego 1014 K L 1015 K L 1017 A AK K L...	5651	94
Atego 1014 K L, 1015 K L OM 904.909, OM 904.910	5681	95
Atego 1725 S OM 906.985	5681	95
Atego	5738	98
Atego 2	5738	98
Axor 1823 K 2523 K 2623 L 3228 C - OM 906.920 OM 906.921	5651	94
Axor 1823 K, 2523 K, 2623 L, 3228 C OM 906.920, OM 906.921	5681	95
Axor	5738	98
Axor 2	5738	98
B 150, B 170	5510	87
B 170 NGT, B 180 NGT	5510	87
B 180 Cdi, B 200 CDI	5574	90
B 200, B 200 Turbo	5510	87
C 200 CDI, C 220 CDI	5463	86
C 200 D, C 200 T D	5377	83
C 230 Kompressor	5461	86
C 250 D	5377	83
C 250 T Turbo D	5377	83
C 320, C 350 CDI	5581	90
C Class (W202) - C 200 CDI (202.134)	5393	84
C Class (W202) - C 220 CDI (202.133)	5393	84
C Class (W202) - C 200 CDI (202.134), C 220 CDI (202.133)	5395	84
C Class (W203) - C 30 CDI AMG (203.018)	5395	84
C Class (CL/S/W203) C 200 CDI (85kW) (Alt. Delphi 000 150 17 50, 000 150 25 50)	5410	84
C Class (CL/S/W203) C 200 CDI/C 220 CDI (Alt. Delphi 000 154 17 50, 000 154 25 50)	5410	84
C Class (CL/S/W203) C 220 CDI (105kW) (Alt. Delphi 000 150 17 50, 000 150 25 50)	5410	84
C Class (CL/S/W203) C 270 CDI (125kW)	5410	84
C Class	5673	95
C class 160/180/200/230 Kompressor, C 200 CGI	5461	86
C Class Estate (S203) C 320 CDI (203.220)	5609	92
C Class Kombi (S202) - C 200 T CDI (202.194), C 220 T CDI (202.193)	5395	84
C Class T Model (S204) - C 220 CDI	5393	84
C Class T Model (S203) - C 30 CDI AMG	5395	84
C Class T Model (S204) - C 220 CDI	5395	84
C ClassCoupé (CL203) - C 30 CDI AMG	5395	84
C ClassKombi (S202) - C 220 T CDI (202.193)	5393	84
C Klasse, Class	5377	83
C, CLK 200 CGI, CGI Kompressor	5461	86

Mercedes Benz	Nº ZEN	Pg.
C-Class (W204)	5784	100
C-Class (W205)	5784	100
C-Class Cabriolet (A205)	5784	100
C-Class Coupé (C204)	5784	100
C-Class Coupé (C205)	5784	100
C-Class T-Model (S204)	5784	100
C-Class T-Model (S205)	5784	100
C-Class AMG C 63	5816	102
C-Class (W204)	5644	93
C-Class (W205)	5644	93
C-Class Coupe (C204)	5644	93
C-Class Estate (S204)	5644	93
C-Class Estate (S205)	5644	93
C200 D	5377	83
Citaro (O 530)	5738	98
Cito (O 520)	5738	98
CLA Coupe (C117)	5732	98
CLA Shooting Brake (X117)	5732	98
Classe A (W176)	5732	98
Classe A 160 (W168) CDI,	5411	84
Classe A 210 (W168)	5411	84
Classe A140 (W168)	5411	84
Classe A190 (W168)	5411	84
Classe B (W246 W242)	5732	98
Classe C Convertible (A205)	5732	98
Classe GLA (X156)	5732	98
CLC 180 Kompressor	5461	86
CLC 220 CDI	5463	86
CLC Class	5673	95
CLK (A/C209) 270 CDI	5410	84
CLK	5673	95
CLK 200 Kompressor	5461	86
CLK 220 CDI	5463	86
CLK320 CDI	5581	90
CLS (C218)	5784	100
CLS Shooting Brake (X218)	5784	100
CLS (C218)	5644	93
CLS 320 CDI	5494	86
CLS 350 CDI	5494	86
CLS Shooting Brake (X218)	5644	93
CLS350	5581	90
CLS350 CDI (218.323)	5581	90
Conecto (O 345) 12M OM 902.925	5681	95
Conecto (O 345)	5738	98
E 200 CDI	5463	86
E 200 CDI, E 200 CDI, E 220 T CDI	5463	86
E 200 D	5377	83
E 200 Kompressor, E200 NGT, E 200 CGI	5461	86
E 220 D	5377	83
E 250 D	5377	83
E 250 T D	5377	83
E 270 CDI	5463	86
E 280 CDI	5581	90
E 280 CDI, E 300 BLUETEC, E 320 CDI, E 320 T CDI	5494	86
E 280 CDI, E 320 CDI	5463	86
E 290 Turbo	5377	83
E 290 T Turbo	5377	83

Mercedes Benz	Nº ZEN	Pg.
E 300 BLUETEC	5581	90
E 300 D	5377	83
E 300 T, E 300 Turbo D	5377	83
E 320 CDI	5581	90
E 320 T CDI	5581	90
E 350 CDI, BlueTEC	5581	90
E 350 BlueTEC, E 350 CDI	5494	86
E 400 CDI	5494	86
E Class (W210) - E 200 CDI (210.007)	5393	84
E Class (W210) - E 220 CDI (210.006)	5393	84
E Class (W210) - E 270 CDI (210/20016), Kombi(S210) - E 270 T CDI (210.216)	5395	84
E Class (S/W210) - E 220 CDI, E 220 T CDI	5410	84
E Class (S/W210) - E 270 CDI	5410	84
E Class (S/W210) E 200 CDI, E 220 CDI, E 220 T CDI	5410	84
E Class (W210) - E 270 T CDI, E 320 CDI, E 320 T CDI	5410	84
E Class	5673	95
E Class Kombi (S210) - E 220 T CDI (210.206)	5393	84
E Klasse, Class	5377	83
E-Class (W212)	5784	100
E-Class (W213)	5784	100
E-Class Cabriolet (A207)	5784	100
E-Class Cabriolet (A238)	5784	100
E-Class Coupé (C207)	5784	100
E-Class Coupé (C238)	5784	100
E-Class T-Model (S212)	5784	100
E-Class T-Model (S213)	5784	100
E-Class AMG E 63	5816	102
E-Class (W212)	5644	93
E-Class Convertible (A207)	5644	93
E-Class Coupe (C207)	5644	93
Econic OM 926.921, OM 926.934	5681	95
Econic	5738	98
G 290 TD	5377	83
G 300 TD	5377	83
G 320 CDi	5563	89
G 400 CDI	5494	86
G Class (W463) - G 270 CDI	5410	84
G Class (W463) G 400 CDI (463.332, 463.333) (184kW)	5445	85
G Klasse, Class	5377	83
G-Class AMG G 63	5816	102
G-Class (W463)	5644	93
G500 463260, 463261	5816	102
GL 320 CDI, GL 350 CDI	5494	86
GL 320 CDI, GL 350 CDI	5563	89
GL 350 CDI BlueTEC (Alt. Bosch 220A)	5494	86
GL-Class (X166)	5644	93
GL-Klasse GL 320 CDI, GL 350 CDI	5566	89
GL320, GL350 CDI	5581	90
GL350 CDI BlueTEC (Alt. Valeo 180A)	5581	90
GLC (X253)	5784	100
GLC Coupé (C253)	5784	100
GLC X253	5816	102
GLK- Class (X204)	5644	93
GLK-Class (X204)	5784	100
GLK320, 350 CDI	5581	90
Integro (O 550) L M OM 926.939	5681	95

Mercedes Benz	Nº ZEN	Pg.
Intouro E M ME OM 926.939	5681	95
LK 1117 K L LO S, 1317 K KO L LS, OM 904.905, OM 904.906, OM 904.907	5681	95
LN2 1517 K L, 711, 811 K, 814, OM 904.905, OM 904.906, OM 904.907	5681	95
M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI	5494	86
M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI (140/165kW)	5563	89
M 320 CDI, ML 350 CDI (165kW)	5563	89
M Class (W163) - ML 270 CDI	5410	84
M-Class (W166)	5644	93
M-Klasse M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI	5566	89
M280, ML300, M320, ML350 CDI	5581	90
ML 350 CDI BlueTEC	5494	86
ML 400 CDI	5494	86
ML350 CDI BlueTEC	5581	90
R 280 CDI, R 300 CDI	5494	86
R 280 CDI, R 300 CDI	5563	89
R 320 CDI, R 350 CDI	5494	86
R 320 CDI, R 350 CDI	5563	89
R 350 (Alt. Bosch 220A)	5494	86
R 350 CDi	5563	89
R-Klasse 280 CDi	5566	89
R-Klasse 300 CDi	5566	89
R-Klasse R 320 CDI, R 350 CDI	5566	89
R280, 300 CDI (140kW)	5581	90
R320,350 CDI	5581	90
R350 (Alt. Valeo 180A)	5581	90
S 300 Turbo D	5377	83
S 320 CDI	5463	86
S 320 CDI	5494	86
S Class (W220) - S 320 CDI ano (145kW)	5410	84
S Class (W220) - S 320 CDI ano (150kW)	5410	84
S Class (W220) S 400 CDI (220.028, 220.128) (184kW)	5445	85
S Class (W220) S 400 CDI (220.028, 220.128) (191kW)	5445	85
S Klasse/Class	5377	83
S-Class AMG S 63	5816	102
S-Class (W221)	5644	93
S-Class (W222, V222, X222)	5644	93
S-Class Coupe (C215)	5644	93
S-Class Coupe (C216)	5644	93
S-Class Coupe (C217)	5644	93
S-Klasse 320 CDi	5566	89
S400 CDI	5494	86
S560 217483	5816	102
SL (R231)	5644	93
SLC (R172)	5784	100
SLK	5673	95
SLK (R172)	5784	100
SLK (R172)	5644	93
SLK 200 Kompressor	5461	86
SLS AMG (C197)	5644	93
SLS AMG Convertible (A197)	5644	93
Sprinter	5374	83
Sprinter	5377	83
Sprinter 2-t 212 D	5529	89
Sprinter 3-t 312 D 2.9	5529	89

Mercedes Benz	Nº ZEN	Pg.
Sprinter 4T 412 D	5529	89
Sprinter 2T Autocarro (901, 902) - 208, 211, 213, 216 CDI	5393	84
Sprinter 2T Autocarro (901, 902) - 208, 211, 213 CDI	5395	84
Sprinter 2T Autocarro, T Caixa, Caminhão plataforma (901, 902) - 213 CDI	5395	84
Sprinter 2T Caixa, Autocarro (901, 902) - 208, 211, 213, 216 CDI	5395	84
Sprinter 2T Caminhão de plataforma chassis	5393	84
Sprinter 3,5-T 224, 324, 524	5461	86
Sprinter 3,5-t Box (906)	5644	93
Sprinter 3,5-t Bus (906)	5644	93
Sprinter 3,5T Caixa, Caminhão plataforma (906) - 313, 315, 316, 4x4 CDI	5395	84
Sprinter 3-T 209	5581	90
Sprinter 3-T 211	5581	90
Sprinter 3-T 213	5581	90
Sprinter 3-T 215	5581	90
Sprinter 3-T 218	5581	90
Sprinter 3-T 219	5581	90
Sprinter 3-T 309	5581	90
Sprinter 3-T 311	5581	90
Sprinter 3-T 313	5581	90
Sprinter 3-T 315	5581	90
Sprinter 3-T 318	5581	90
Sprinter 3-T 319	5581	90
Sprinter 3-T 415	5581	90
Sprinter 3-T 419	5581	90
Sprinter 3-T 518	5581	90
Sprinter 3-T 519	5581	90
Sprinter 3-t Box (906)	5644	93
Sprinter 3-t Bus (906)	5644	93
Sprinter 3T Autocarro (903) - 311, 313, 316 CDI	5393	84
Sprinter 3T Autocarro (903) - 311, 313, 316 CDI 4x4	5393	84
Sprinter 3T Autocarro, Caixa (906) - 224, 309, 324, 315 CDI, 4X4	5395	84
Sprinter 3T Autocarro, Caixa, Caminhão plataforma (906) - 209, 210, 213, 215, 216, 310 CDI	5395	84
Sprinter 3T Autocarro, Caminhão plataforma (903) - 313 CDI, 4x4	5395	84
Sprinter 3T Caixa (903) - 308, 311, 313, 316 CDI	5393	84
Sprinter 3T Caixa (903) - 311, 313, 316 CDI 4x4	5393	84
Sprinter 3T Caminhão de plataforma chassis	5393	84
Sprinter 4, 6T Caixa, Caminhão plataforma (906) - 416 CDI	5395	84
Sprinter 4,6-t Box (906)	5644	93
Sprinter 4,6-t Platform/Chassis (906)	5644	93
Sprinter 4T Autocarro (904) - 408, 411, 413, 416 CDI	5393	84
Sprinter 4T Autocarro, Caminhão plataforma (904) - 413 CDI, 4x4	5395	84
Sprinter 4T Caixa (904) - 408, 411, 413, 416	5393	84
Sprinter 4T Caixa (904) - 411, 413, 416 CDI 4x4	5393	84
Sprinter 4T Caminhão de plataforma chassis	5393	84
Sprinter 4T Caminhão plataforma	5395	84
Sprinter 5-t Box (906)	5644	93
Sprinter 5-t Platform/Chassis (906)	5644	93
Sprinter 5T Caixa (906) - 524, 509, 513, 515 CDI	5395	84
Sprinter 5T Caixa, Caminhão plataforma (906) - 510, 516 CDI	5395	84

Mercedes Benz	Nº ZEN	Pg.
Tourino OM 926.939	5681	95
Tourino (O 510)	5738	98
Touro (O 500) R U, OM 926.910, OM 926.926	5681	95
Unimog U 400 5000, OM 906.935	5681	95
V 230TD	5375	83
V Class (638/2) - V200 CDI, V220 CDI (Alt. A0101549502, A0101549602, A0111547002)	5393	84
V Class (638/2) - V200 CDI, V220 CDI (Alt. A0121542202, A0121545402, A0121541702)	5395	84
V-Class (W447)	5784	100
V-Class (W448)	5784	100
Vaneo (414) 1.4, 1.6, 1.7 CDI, 1.9	5411	84
Vaneo 1.4, 1.6, 1.7 Cdi, 1.9	5574	90
Vario 612D, 614D, 812D, O812	5529	89
Vario 613 D, 614 D, OM 904.908, OM 904.917, (95-100kW)	5681	95
Viano (W639) - CDI	5395	84
Viano (W639) - CDI 2, CDI 4 matic	5395	84
Viano (W639) - CDI 2.2	5395	84
Viano (W639) - CDI 2.2 4-matic	5395	84
Viano 3.5 126	5461	86
Viano 3.0 CDI	5581	90
Viano (W639)	5644	93
Vito (638) - 112 CDI 2.2 (Alt. A0101549502, A0101549602, A0111547002)	5393	84
Vito (638) - 112 CDI 2.2 (Alt. A0121542202, A0121545402, A0121541702)	5395	84
Vito 120 CDI	5581	90
Vito	5784	100
Vito Caixa (W447)	5784	100
Vito Tourer (W447)	5784	100
Vito 108D 2.3	5375	83
Vito 110D 2.3 ano	5375	83
Vito 110TD 2.3 ano	5375	83
Vito Autocarro (638) - 112 CDI 2.2	5393	84
Vito Autocarro (638) - 108 CDI 2.2	5395	84
Vito Autocarro (638) - 110, 110 CDI 2.2 (638.194)	5395	84
Vito Autocarro (638) - 112 CDI	5395	84
Vito Autocarro (W639) - 109 CDI, 110 CDI, 111CDI, 113CDI e 4x4	5395	84
Vito Autocarro, Caixa (638) - 108, 110 CDI 2.2 (638.194)	5393	84
Vito Box (W447)	5644	93
Vito Bus (W639)	5644	93
Vito Caixa (638) - 108 CDI 2.2	5395	84
Vito Mixto (W447)	5644	93
Vito Tourer (W447)	5644	93
Vito, Mixto Caixa (W639) - 115 CDI, 115 CDI 4x4 116 CDI	5395	84
Vito, Mixto Caixa (W639) - 120 CDI	5395	84
Zetros 1833 A, 2733 A, OM 926.935, OM 926.936, OM 926.947	5681	95

Mercury	Nº ZEN	Pg.
Grand Marquis 4.6L V8	5406	84
Grand Marquis 4.6 GS, 4.6 LS	5497	87
Marauder 4.6	5497	87

Mini	Nº ZEN	Pg.
Cooper	5565	89
Cooper 1.6	5565	89

Mini	Nº ZEN	Pg.
Cooper D	5450	85
Cooper S	5565	89
Cooper S 1.6	5565	89
Mini 1.6	5565	89
Mini (R56)	5643	93
Mini Clubman (R55)	5643	93
Mini Convertible (R57)	5643	93
Mini Countryman (R60)	5643	93
Mini Paceman (R61)	5643	93
Mini Roadster (R59)	5643	93
One	5565	89
One D	5450	85
One D (R50, R53) (55kW) 1.4 D	5592	91
One D (R50, R53) (65kW) 1.4 D	5592	91
R 55 1.6D	5450	85

Mitsubishi	Nº ZEN	Pg.
ASX 1.8	5612	92
ASX	5662	95
Canter Caminhão de plataforma chassi (FB,FE,FG) 3.0 Diesel (96,107,129kW)	5599	91
Carisma 1.9 DI-D	5389	83
Carisma (DA) 1.9 DI-D (DA5A)	5410	84
Carisma 1.9 DI-D	5432	85
Colt VI 1.5 DI-D	5574	90
Delica 1.6	5773	99
Fuso	5799	101
Grandis 2.0	5378	83
i DOHC 659cc 12V	5740	98
Interstar 1.9 dCi	5432	85
L200 2.4 Diesel	5814	102
Lancer 2.0	5378	83
Lancer 1.8, 2.0	5612	92
Lancer	5662	95
Lancer L4 2.0L (wo/Turbo)	5406	84
Lancer L4 2.4L	5406	84
Lancer Sport Back 2.0	5378	83
Outlander	5662	95
Outlander II 2.0	5378	83
Outlander II 2.2 DI-D 4WD (115kW)	5586	91
Outlander II 2.2 DI-D 4WD (130kW)	5586	91
Outlander II 2.0, 2.4	5612	92
Outlander L4 2.4L	5406	84
Pajero Sport	5814	102
Primastar dCi 80, dCi 100	5432	85
Space Star 1.9 DI-D	5389	83
Space Star (DG0) - 1.9 DI-D (DG4A)	5410	84
Space Star 1.9 DI-D	5432	85

New Holland	Nº ZEN	Pg.
TS100A 4.5	5506	87

Nissan	Nº ZEN	Pg.
Ad Van (Y12), 1.5	5783	100
Almera II 1.5 dCi	5423	84
Almera II 1.5 dCi	5467	86
Altima 2.5	5500	87
Altima 2.5 GDI Sedan 16V	5500	87

Nissan	Nº ZEN	Pg.
Altima 2.5	5569	90
Altima 2.5	5694	96
Altima L31	5735	98
Altima L32	5735	98
Armada (R51)	5614	92
Avenir 2.0	5500	87
Bassara 2.5	5500	87
Bluebird Sylphy ii (G11)	5715	97
Cabstar 28.11, 35.13, 45.13	5607	92
Caravan 2.5 dCi	5774	99
Cube 1.5 dCi	5575	90
Cube (Z11), 1.5	5783	100
Cube (Z12), 1.5	5783	100
Cube 1.5 16V	5783	100
Dualis 2.0 dCi, 2.0 dCi All-wheel Drive	5562	89
Frontier Motor MWM 2.8T Diesel	5374	83
Frontier (D40) 2.5L 4CYL Turbo Diesel	5522	88
Frontier 2.5 TDI CD SE 4x4	5607	92
Frontier (D40) 2.5 DCI 4WD	5607	92
Frontier (D40)	5614	92
Interstar Autocarro (X70) - dCi 100	5410	84
Interstar Autocarro (X70) - dCi 120	5410	84
Interstar Autocarro (X70) - dCi 80, 90	5410	84
Interstar Autocarro, Caixa (X70) - dCi 100	5410	84
Interstar Autocarro, Caixa (X70) - dCi 120, 150	5410	84
Interstar Caixa (X70) - dCi 80, 90, 120	5410	84
Interstar Caminhão de plataforma chassi - dCi...	5410	84
Interstar dCi 100, dCi 120 2.2 dCi, 2.5 dCi	5492	86
Juke 1.5 dCi	5575	90
Juke (F15) - 1.5 dCi	5585	90
Kubistar 1.5 dCi	5423	84
Kubistar 1.5 dCi	5467	86
Latio Hatchback, 1.5	5783	100
Latio Trêsvolumes, 1.5, 4x4	5783	100
March IV (K13)	5612	92
Micra 1.5 dCi	5423	84
Micra 1.5 dCi	5467	86
Micra 1.5 dCi (Alt. 23100-00Q2J)	5575	90
Micra IV (K13) 1.2 DIG	5511	88
Micra IV (K13) 1.2 DIG	5612	92
Micra V 1.0	5808	101
Navara (D40) 2.5L 4CYL Turbo Diesel	5522	88
Navara (D40) 2.5L 4CYL Turbo Diesel	5607	92
Navara (D40) 3.0 dCi 4WD Diesel	5614	92
Navara 2.3 dCi 4x4	5792	100
Navara 2.5 DDTi	5796	101
Navara 2.5	5805	101
Note 1.5 dCi	5423	84
Note 1.5 dCi	5467	86
Note 1.5 dCi (Alt. 23100-00Q2J)	5575	90
Note (E11,NE11)	5783	100
Note 1.5, 4WD	5783	100
NP300 2.3 dCi	5792	100
NP300 2.5 dCi	5796	101
NP300 Navara 2.5	5805	101
NV200 1.5 dCi	5423	84
NV200 1.5 dCi	5467	86



Nissan	Nº ZEN	Pg.
NV200 1.5 dCi (Alt. 23100-00Q2J)	5575	90
NV200 L4 2.0	5773	99
NV350 2.5 dCi	5774	99
Pathfinder 3.0 dCi Diesel	5614	92
Patrol GR II (Y61) 3.0 Dti	5431	85
Pick Up (D22) 2.5 DI	5607	92
Primastar dCi 150	5492	86
Primastar 2.0 dCi 90, 2.0 dCi 120	5562	89
Primastar Autocarro (X83) - dCi 150	5410	84
Primastar Autocarro (X83) - dCi 80, 100	5410	84
Primastar Autocarro, Caixa (X83) - dCi 140	5410	84
Primastar Caixa (X83) - dCi 150	5410	84
Primastar Caixa (X83) - dCi 80 , 100	5410	84
Primera 2.5	5569	90
Primera 2 2.5	5500	87
Qashqai 2.0 dCi (Alt.TG15C058)	5562	89
Qashqai II 2.0	5565	89
Qashqai 1.5 dCi	5575	90
Qashqai 2.0	5582	90
Qashqai 2.0 dCi (Alt. Mitsubishi 23100-JD71A)	5584	90
Qashqai 1.6	5614	92
QASHQAI II 2.0	5773	99
Sentra 2.5	5500	87
Sentra 2.5 Sedan 16V	5500	87
Sentra 2.5	5569	90
Sentra	5653	94
Sentra V B15	5735	98
Sentra VII 2.0	5773	99
Sentra L4 2.0	5582	90
Skyline (_V37)	5784	100
Teana i (J31)	5715	97
Teana J31	5735	98
Teana III (J33) 2.5 (L33L L33R L33T)	5694	96
Terra 2.3	5792	100
Terra 2.5 TDCI	5796	101
Terra 2.5	5805	101
Terrano II (R20) 3.0 Di 4WD	5431	85
Tiida 1.5 dCi, 1.8	5423	84
Tiida 1.5 dCi, 1.8	5467	86
Tiida 1.5 dCi	5575	90
Tiida 1.8	5582	90
Tiida Hatchback (C11)	5715	97
Tiida Saloon (SC11)	5715	97
Tiida saloon (SC12)	5715	97
Tiida 1.5 (SC11)	5783	100
Tiida 1.5 4WD (SNC11)	5783	100
Tiida 1.5 4x4	5783	100
Tiida Hatchback (C11)	5783	100
Tiida Três volumes (SC11)	5783	100
Versa	5653	94
Versa ii	5715	97
Versa L4 1.8	5582	90
Wingroad 1.5 4WD (NY12)	5783	100
Wingroad ADWagon (_Y12)	5783	100
X-Trail 2.0 dCi	5562	89
X-Trail (T30) 2.5 (121-132kW) (Alt. Valeo 110A)	5569	90
X-Trail 2.0 (103kW-Hitachi alt)	5582	90

Nissan	Nº ZEN	Pg.
X-Trail 2.0 (104kW-Hitachi alt)	5582	90
X-Trail 2.0 (104kW-Mitsubishi alt)	5582	90
X-Trail (T31) 2.0 dCi, 2.0 dCi FWD	5584	90
X-Trail (T30) 2 2.0 LX (103-110kW) (Alt. Hitachi 110A)	5500	87
XTerra Motor MWM 2.8T Diesel	5374	83
Xtrail (T30) 2.5 (103-110kW) (Alt. Hitachi 110A)	5500	87
XTrail 2.0	5565	89
Xtrail (T31)	5715	97
Xtrail T30	5735	98
Xtrail T31	5735	98
Xtrail (NT32) 2.5 All Mode 4X4i	5775	99
Xtrail (NT32) 2.5 Flex fue All Mode 4X4i	5775	99
Xtrail (T32) 2.5	5775	99
Xtrail 2.5 All Mode 4X4i	5775	99

Opel	Nº ZEN	Pg.
9-5 (YS3G) 1.6 Turbo	5623	92
9-5 (YS3G) 2.0 TTiD	5623	92
9-5 (YS3G) 2.0 TTiD XWD	5623	92
Adam (M13)	5623	92
Agila (H00) 1.3 CDTI	5396	84
Agila 1.3 CDTI (Alt. Denso 70/100A)	5440	85
Agila 1.3 CDTI (Alt. Valeo 100A)	5449	85
Agila 1.0 1.2 16V Twinport 1.3 CDTI	6009	103
Astra G 1.7 CDTI	5454	85
Astra G 1.4i, 1.4 16V, 1.6 16V, 2.0i Cabrio, Caravan	5455	86
Astra G 1.6	5455	86
Astra G 1.6 16V, 1.8 16V, 2.0 16V, 2.0 16V OPC	5455	86
Astra G 1.6, 1.6 CNG	5455	86
Astra G 2.0 16V Turbo, 2.0 OPC	5530	89
Astra G	6007	103
Astra G 1.2 16V 1.4	6009	103
Astra GTC J 1.7 CDTI Diesel	5625	92
Astra GTC J 1.7 CDTI Diesel	5626	92
Astra H 1.3 CDTI (Alt. Denso 70/105A)	5440	85
Astra H 2.0 Turbo	5530	89
Astra H 1.9 CDTI (Alt. Bosch 120/140A)	5532	89
Astra H 1.9 CDTI (Alt. Denso 100/120/130A)	5576	90
Astra H 1.9 CDTI	5627	93
Astra H 1.2 1.3 CDTi 1.4 LPG	6009	103
Astra H	6012	103
Astra H (L48)	5641	93
Astra H Estate (L35)	5641	93
Astra H GTC 1.3 CDTI (Alt. Denso 70/105A)	5440	85
Astra H GTC 1.3 CDTI (Alt. Valeo 70/100A)	5449	85
Astra H GTC 1.7 CDTi	5454	85
Astra H GTC 2.0 Turbo	5530	89
Astra H GTC 1.9 CDTI (Alt. Bosch 120/140A)	5532	89
Astra H GTC 1.9 CDTI (Alt. Denso 100/120/130A)	5576	90
Astra H GTC (L08)	5641	93
Astra H Saloon (L69)	5641	93
Astra H TwinTop (L67)	5641	93
Astra H, Mk V 1.7 CDTI	5454	85
Astra H/Van/State 1.3 CDTI	5396	84
Astra J 1.4 Ecoflex	5622	92
Astra J 1.6	5622	92
Astra J 1.6 Turbo	5622	92

Opel	Nº ZEN	Pg.
Astra J 1.3 CDTI Ecoflex	5623	92
Astra J 1.4 Turbo e Ecoflex	5623	92
Astra J 1.6, 1.6 Turbo	5623	92
Astra J 2.0 CDTI	5623	92
Astra J 1.7 CDTI Diesel	5625	92
Astra J 1.7 CDTI Diesel	5626	92
Astra J 1.4	5628	93
Astra J Sportstourer 1.7 CDTI Diesel	5625	92
Astra Mk IV 1.7 CDTI	5454	85
Astra Mk IV 1.7 CDTI 16V	5454	85
Cascada (W13)	5623	92
Cascada 1.4	5628	93
Combo 1.3 CDTI	5396	84
Combo 1.3 CDTI 16V (Alt. Denso 70/100A)	5440	85
Combo 1.3 CDTI 16V (Alt. Valeo 70/100A)	5449	85
Combo 1.7 CDTI 16V, 1.7 DTI 16V	5454	85
Combo 1.4, 1.4 16V	5590	91
Combo 1.2, 1.5	5790	100
Combo 1.3	5791	100
Combo 1.6	5800	101
Combo 1.3	5802	101
Combo 1.5	5815	102
Combo	6007	103
Combo C 1.3 CDTI 16V	6009	103
Corsa 1.3 CDTI	5396	84
Corsa 1.4i / 1.8i 16v	5455	86
Corsa 1.2, 1.5	5790	100
Corsa 1.3	5791	100
Corsa 1.5	5815	102
Corsa D 1.3 CDTI	6009	103
Corsa C 1.3 CDTI (Alt. Denso 70A)	5440	85
Corsa C 1.3 CDTI, 1.3 CDTI 16V (Alt. Valeo 70/100A)	5449	85
Corsa C 1.7 CDTI, 1.7 SE	5454	85
Corsa D 1.3 CDTI (Alt. Denso 70/100A)	5440	85
Corsa D 1.2, 1.2 ecoFLEX (59-63kW)	5590	91
Corsa D 1.4 (66kW)	5590	91
Corsa D 1.4, 1.4 ecoFLEX	5590	91
Corsa D (S07)	5623	92
Corsa D 1.2, 1.4 LPG	5628	93
Corsa D	5641	93
Corsa D Furgoneta/hatchback (S07)	5623	92
Corsa E	5706	96
Corsa E Van	5706	96
Corsa Mk II 1.7 CDTI	5454	85
Crossland 1.2, 2.0 X	5815	102
Crossland 1.5, X, Turbo D	5815	102
Crossland X 1.2, 1.5	5790	100
Insignia 1.6, 1.6 Turbo	5622	92
Insignia 1.8	5622	92
Insignia 1.6, 1.8, 2.0	5623	92
Insignia 2.0 CDTi	5624	92
Insignia 1.4	5628	93
Meriva 1.3 CDTI (51kW)	5396	84
Meriva 1.3 CDTI (55kW)	5396	84
Meriva 1.3 CDTI (Alt. Denso 70/100A)	5440	85
Meriva 1.3 CDTI (Alt. Valeo 70/100A)	5449	85
Meriva 1.7 CDTI	5454	85

Opel	Nº ZEN	Pg.
Meriva 1.7 CDTI 16V	5454	85
Meriva 1.4	5590	91
Meriva (B) 1.4	5596	91
Meriva	5641	93
Meriva 1.3 CDTI	6009	103
Meriva B 1.7 CDTI Diesel	5626	92
Meriva B 1.4	5628	93
Meriva B Monospace (S10)	5623	92
Meriva B Van (S10)	5623	92
Mokka 1.7 CDTI Diesel	5626	92
Mokka 1.5	5815	102
Mokka / Mokka X (J13)	5623	92
Movano 2.3 CDTI	5584	90
Movano Kombi (J9) (F9) 1.9 DTI	5410	84
Movano Kombi (J9)(F9) 1.9 DTI	5410	84
Movano Kombi 1.9 DTi	5432	85
Signum 1.8i	5455	86
Signum 2.0 Turbo, 2.2	5508	87
Signum 1.9 CDTI (Alt. Bosch 120/140A)	5532	89
Signum 1.9 CDTI (Alt. Denso 100/120/130A)	5576	90
Signum 2.0Turbo/2.2	5611	92
Signum 1.9 CDTI	5627	93
Signum 2800 Z28NEL NET	5710	97
Signum	6007	103
Signum	6012	103
Speedster	6007	103
Tigra 1.3 CDTI (Alt. Denso 100A)	5440	85
Tigra 1.3 CDTI	6009	103
Tigra TwinTop 1.3 CDTI (Alt. Valeo 100A)	5396	84
Tigra TwinTop 1.3 CDTI (Alt. Valeo 100A)	5449	85
Top	6012	103
Vectra	5674	95
Vectra C 2800 Z28NEL NET	5710	97
Vectra B	6007	103
Vectra C 1.9 CDTI	5627	93
Vectra C	6007	103
Vectra C	6012	103
Vectra C / GTS 1.9 CDTI (Alt. Bosch 120/140A)	5532	89
Vectra C Estate	5641	93
Vectra C GTS	6007	103
Vectra C, GTS 1.6, 1.6 16V, 1.8, 1.8 16V Caravan	5455	86
Vectra C, GTS 2.0 16V Turbo, 2.0 Turbo, 2.2 direct	5508	87
Vectra C/GTS 1.9 CDTI (74kW) (Alt. Denso 100/120/130A)	5576	90
Vectra C/GTS 1.9 CDTI (88-110kW) (Alt. Denso 100/120/130A)	5576	90
Vita 1.3 CDTI	5396	84
Vivaro 1.9 DTi, Di	5432	85
Vivaro 2.0 CDTi	5562	89
Vivaro 1.5	5790	100
Vivaro 1.5	5815	102
Vivaro Caixa (F7) 1.9 DI, DTI	5410	84
Vivaro Kombi (J7) (F7) 2.5 DTI	5410	84
Vivaro Kombi (J7) 1.9 DI, DTI	5410	84
Vivaro Kombi, Caixa, Caminhão Plataforma (J7) (F7) 2.5 CDTI	5410	84
Zafira 1.6	5455	86
Zafira 1.6 16V, 1.8 16V	5455	86

Opel	Nº ZEN	Pg.
Zafira 1.6, 1.6 CGN	5455	86
Zafira 2.0	5530	89
Zafira 2.0 OPC	5530	89
Zafira 1.9 CDTi (Alt. Bosch 120/140A)	5532	89
Zafira 1.9 CDTi (Alt. Denso 100/120/130A)	5576	90
Zafira Life 1.5	5790	100
Zafira 1.5, 2.0	5815	102
Zafira A	6007	103
Zafira B 1.9 CDTi	5627	93
Zafira B	6007	103
Zafira B	6012	103
Zafira B (A05)	5641	93
Zafira B Van	5641	93
Zafira C 1.4	5628	93
Zafira Tourer C (P12)	5623	92
Zafira Tourer C Van (P12)	5623	92

Peugeot	Nº ZEN	Pg.
1007 1.4 Hdi, 1.6 Hdi (50-80kW)	5453	85
1007 1.4 HDi, 1.6 HDi	5629	93
107 1.4 Hdi (40kW)	5453	85
107 1.4 HDi	5629	93
108	5742	98
108 1.0 VTi	5809	102
2008	5655	94
2008 I 1.5	5790	100
2008 II 1.2, 1.5	5790	100
2008 1.6	5800	101
2008 1.2	5815	102
2008 1.5	5815	102
206 2.0 HDi 12/1999...	5396	84
206 2.0 HDi 90	5437	85
206 1.4 Hdi, 1.6 HDi FAP 110 (50-80kW)	5453	85
206 1.4 HDi, 1.6 HDi FAP 110	5629	93
206 1.4 HDi	5675	95
207 1.4 Hdi, 1.6 Hdi (50-80kW)	5453	85
207 1.4 16V	5565	89
207 1.6 16V, 1.6 16V Vti, 1.6 16V RC, 1.6 16V Turbo	5565	89
207 1.4 16V (70kW)	5587	91
207 1.4, 1.4 16V (53-65kW)	5587	91
207 1.6 16V RC, 1.6 16V Turbo (110-128kW)	5587	91
207 1.6 16V Turbo (110kW)	5587	91
207 1.6 16V, 1.6 16V Vti (88kW)	5587	91
207 1.4 HDi, 1.6 HDi	5629	93
207 (WA,WC)	5643	93
207 CC (WD)	5643	93
207 SW (WK)	5643	93
208	5655	94
208 1.2, 1.5	5790	100
208 1.6	5800	101
208 1.2	5815	102
208 1.5	5815	102
3008 1.6 Hdi (80kW)	5453	85
3008 1.6 THP, 1.6 Vti	5565	89
3008 1.6 THP, 1.6 Vti (88-110/115kW)	5587	91
3008 1.6 HDi	5629	93
3008	5643	93

Peugeot	Nº ZEN	Pg.
3008 1.2	5790	100
3008 1.5	5790	100
3008 1.6	5800	101
3008 1.5	5815	102
3008 2.0	5815	102
3008SUV 1.6	5800	101
301	5655	94
301 1.2	5790	100
301 1.5	5790	100
301 1.6	5800	101
306 2.0 HDi 90	5450	85
307 2.0 HDi	5396	84
307 2.0 HDi 110, 2.0 HDi 110 FAP, 2.0 HDi 90	5437	85
307 2.0 HDi 110, 2.0 HDi 110 FAP, 2.0 HDi 90	5450	85
307 1.4 Hdi, 1.6 D, 1.6 Hdi, 1.6 HDi 110 FAP (50-80kW)	5453	85
307 1.4 HDi, 1.6 HDi	5629	93
308 1.6 Hdi (66-82kW)	5453	85
308 1.4 16V, 1.6 16V	5565	89
308 1.4 16V (70kW)	5587	91
308 1.4 16V (72kW)	5587	91
308 1.6 16V (115kW)	5587	91
308 1.6 16V (128kW)	5587	91
308 1.6 16V (88/103/110kW)	5587	91
308 1.6 HDi	5629	93
308 (4A_, 4C_) 2.0 Hdi	5782	100
308 CC 2.0 Hdi	5782	100
308 SW 2.0 Hdi	5782	100
308 1.2	5790	100
308 1.5	5790	100
308 1.6	5800	101
308 1.2	5815	102
308 1.5	5815	102
308 CC	5643	93
308 I 2.0 HDi	5678	95
308 SW	5643	93
4007 (GP) 2.2 Hdi	5586	91
4007 (GP) 2.4 16V	5612	92
4008	5662	95
406 2.0 HDi 90, 2.0 HDi 110 FAP, 2.2 HDi	5396	84
406 2.0 HDi 90	5437	85
406 2.2 HDi	5437	85
406 2.0 Hdi	5450	85
406 2.0 HDi 110 FAP	5450	85
406 2.0 HDi 90	5450	85
407 1.6 HDi 110 FAP (80kW)	5453	85
407 2.0 Hdi, 2.0 HDi 135 FAP, 2.2 Hdi, 2.2 HDi 170 FAP (93-125kW)	5453	85
407 2.7 Hdi Coupe	5561	89
407 2.7 Hdi, Hdi	5561	89
407 1.6 HDi FAP 110	5629	93
407 1.6 HDi 110	5675	95
407 2.0 HDi	5678	95
407 (6C_) 2.0 Hdi	5782	100
407 (6D_) 2.0 HDi 135	5782	100
407 (6D_) 2.0 Hdi 2.2 Hdi	5782	100
407 (6D_) 2.2 HDi 170	5782	100
407 SW (6E_) 2.0 HDi	5782	100

Peugeot	Nº ZEN	Pg.
407 SW (6E_) 2.0 HDi 135	5782	100
407 SW (6E_) 2.2 Hdi	5782	100
407 SW (6E_) 2.2 HDi 170	5782	100
407	6010	103
407 Coupe	6010	103
407 SW 2.7 HDi	5561	89
407 SW	6010	103
5008 1.6 Hdi (80kW)	5453	85
5008 1.6 16V	5565	89
5008 1.6 16V (88-115kW)	5587	91
5008 1.6Hdi	5629	93
5008	5643	93
5008 1.2	5790	100
5008 1.6	5800	101
5008 1.5	5815	102
5008 2.0	5815	102
508	5643	93
508 1.6	5800	101
508 1.5	5815	102
508 2.0	5815	102
508 SW	5643	93
607 2.0 Hdi (Alt. 5705 AF, 5705 GC)	5396	84
607 2.0 Hdi (Alt. 5705 AA, 5705 ER)	5437	85
607 2.2 Hdi	5437	85
607 2.0 Hdi (100kW)	5453	85
607 2.2 Hdi (98kW)	5453	85
607 2.7 HDi 24V	5561	89
607 2.0 HDi	5675	95
607 (9D, 9U) 2.0 HDi	5782	100
607 (9D, 9U) 2.2 HDi	5782	100
607	6010	103
608 2.2 Hdi	5396	84
806 2.0 HDi, 2.0 HDi 16V (Alt. 5705 AF, 5705 GC)	5396	84
806 2.0 HDi, 2.0 HDi 16V (Alt. 5705 AA, 5705 ER)	5437	85
807 2.0 HDi FAP, 2.2 HDi	5437	85
807 2.0 Hdi (88-100kW)	5453	85
807 2.0 HDi FAP, 2.2 HDi FAP (79-94kW)	5453	85
807 (E) 2.0 Hdi 2.2 Hdi	5782	100
Bipper (AA) 1.4 Hdi	5453	85
Bipper AA 1.4 HDi	5629	93
Boxer 2.0 Hdi, 2.2 Hdi	5437	85
Boxer 2.2 HDi 100, 2.2 HDi 120	5580	90
Boxer	5663	95
Boxer 2.0 HDi	5675	95
Boxer 2.0	5815	102
Boxer 2.2	5815	102
Especial/Special 2.0 HDi 90 06/1999...04/2002	5396	84
Expert 2.0 HDi (Alt. 5705 AF, 5705 GC)	5396	84
Expert 2.0 Hdi (Alt. 5705 AA, 5705 ER)	5437	85
Expert 1.6 HDi 90	5453	85
Expert 2.0 HDi 120, 2.0 HDi 140	5453	85
Expert 1.6 HDi 90	5629	93
Expert 2.0 HDi 100 130	5678	95
Expert 2.0 HDi 120 2.0 HDi 140	5782	100
Expert Tepee (VF3V_) 2.0 HDi 120 2.0 HDi 140	5782	100
Expert 1.5	5790	100
Expert 1.6	5800	101

Peugeot	Nº ZEN	Pg.
Expert 1.5	5815	102
Expert 2.0	5815	102
Partner 2.0 Hdi ano	5396	84
Partner 1.6 Hdi	5453	85
Partner 1.6 HDi 75, 1.6 HDi 90	5453	85
Partner 1.6	5587	91
Partner 1.6 HDi	5629	93
Partner 1.6 HDi 75	5629	93
Partner 1.6 HDi 90	5629	93
Partner 1.6 HDi	5782	100
Partner Combispace (5F) 1.6 HDi 90	5782	100
Partner Kasten 1.6 Hdi4	5782	100
Partner Tepee 1.6 Hdi	5782	100
Partner 1.2	5790	100
Partner 1.5	5790	100
Partner Flex 1.6	5790	100
Partner 1.6	5800	101
Partner 1.5	5815	102
Partner Box	5643	93
Partner Tepee	5643	93
Ranch 1.6	5587	91
RCZ 1.6 16V (115kW)	5587	91
RCZ 1.6 16V (147kW)	5587	91
RCZ	5643	93
Rifter 1.2, 1.5	5790	100
Rifter 1.0	5800	101
Rifter 1.5	5815	102
Traveller 1.5	5790	100
Traveller 1.6	5800	101
Traveller 1.5	5815	102
Traveller 2.0	5815	102

Pontiac	Nº ZEN	Pg.
G6 V6 3.9	5741	98
GTO V8 6.0	5688	96
Solstice 2.0 L4 Gas	5786	100
Vibe	6002	103
Vibe	6006	103

Porsche	Nº ZEN	Pg.
911 (221kW) 3.4 Carrera, 3.4 Carrera 4	5515	88
911 (235-254kW) 3.6, 3.6 Carrera, 3.6 Carrera 4	5515	88
911 (235kW) 3.4 Carrera, 3.4 Carrera 4	5515	88
911 (242-335kW) 3.6 Carrera S, 3.6 GT2	5515	88
911 (331kW) 3.6S	5515	88
911 3.6 Carrera, 3.6 Carrera 4, 3.8 Carrera S, 3.8 Carrera 4S	5515	88
911 3.6 GT2	5515	88
911 3.6 Turbo	5515	88
911	5663	95
Boxster 2.7 (162kW)	5515	88
Boxster 2.7 (176kW), S3.2 (206kW)	5515	88
Boxster 2.7 (180kW), S3.4 (217kW)	5515	88
Boxster 2.7 24V (168kW), S3.2 (191kW)	5515	88
Boxster	5663	95
Boxster S 3.2 (185kW)	5515	88
Boxster S 3.2 (196kW)	5515	88

Porsche	Nº ZEN	Pg.
Cayenne (955) 3.2	5649	94
Cayman 2.7 (180kW)	5515	88
Cayman	5663	95
Cayman S 3.4 Sport, S3.4 (217-223kW)	5515	88
Macan 2.0	5697	96

Ram Truck	Nº ZEN	Pg.
1500 V6 3.0L 2987cc 182cid	5704	96

Renault	Nº ZEN	Pg.
Captur (J5,H5)	5492	86
Clio 1.9 dTi	5389	83
Clio Grandtour 1.5 dCi	5525	88
Clio Grandtour 1.2 16V, 1.5 Dci, 1.6 16V	5575	90
Clio Grandtour (KRO/1)	5647	94
Clio Grandtour IV	5647	94
Clio II 1.4 16V	5423	84
Clio II 1.5 D, 1.5 dCi (50kW)	5423	84
Clio II 1.5 dCi (47kW)	5423	84
Clio II 1.5 dCi (48kW)	5423	84
Clio II 1.5 dCi (74kW)	5423	84
Clio II 1.5 dCi, 1.5 dCi (59-62kW)	5423	84
Clio II 1.6	5423	84
Clio II 1.6 16V	5423	84
Clio II 1.4 16V	5467	86
Clio II 1.5 D, 1.5 dCi (50kW)	5467	86
Clio II 1.5 dCi (47kW)	5467	86
Clio II 1.5 dCi (48kW)	5467	86
Clio II 1.5 dCi (74kW)	5467	86
Clio II 1.5 dCi, 1.5 dCi (59-62kW)	5467	86
Clio II 1.6	5467	86
Clio II 1.6 16V	5467	86
Clio II 1.5 dCi	5512	88
Clio II (50kW) 1.5 D, 1.5 dCi	5525	88
Clio II (74kW) 1.5 dCi	5525	88
Clio II 1.5 dCi (42kW)	5670	95
Clio II 1.4 16V	5676	95
Clio II 1.5 dCi	5676	95
Clio III (47-78kW) 1.5 dCi	5525	88
Clio III (BR0/1, CR0/1) 2.0 16V (BR0C, BR0K, CR0C, CR0K)	5564	89
Clio III 1.4 16V, 1.6 16V	5575	90
Clio III 1.5 dCi	5575	90
Clio III 1.5D	5575	90
Clio III (BR0/1, CR0/1)	5647	94
Clio IV	5647	94
Clio Mk II 1.5 D	5512	88
Clio Mk II 1.5 dCi (B/CB03)	5512	88
Clio Mk II 1.5 dCi (B/CB3N)	5512	88
Duster	5562	89
Espace III 1.9 dTi	5389	83
Espace IV 2.0 DCi	5562	89
Espace IV	5674	95
F9Q Engine series 1.9D	5389	83
Fluence	5410	84
Grand Modus 1.5 dCi	5525	88
Grand Scenic 2.0 dCi	5492	86
Grand Scenic 1.5 dCi	5575	90

Renault	Nº ZEN	Pg.
Grand Scenic 2.0dCi (110kW)	5584	90
Grand Scenic 2.0dCi (118kW)	5584	90
Grand Scenic II 1.6	5676	95
Kangoo 1.9 dCi, 1.9 dTi	5389	83
Kangoo 1.4 (55kW)	5423	84
Kangoo 1.5 dCi (42-48kW)	5423	84
Kangoo 1.5 dCi (50kW)	5423	84
Kangoo 1.5 dCi (60-62kW)	5423	84
Kangoo 1.6 (66kW)	5423	84
Kangoo 1.6 16V (70kW)	5423	84
Kangoo 1.6 16V bivalent (60kW)	5423	84
Kangoo 1.4 (55kW)	5467	86
Kangoo 1.5 dCi (42-48kW)	5467	86
Kangoo 1.5 dCi (50kW)	5467	86
Kangoo 1.5 dCi (60-62kW)	5467	86
Kangoo 1.6 (66kW)	5467	86
Kangoo 1.6 16V (70kW)	5467	86
Kangoo 1.6 16V bivalent (60kW)	5467	86
Kangoo 1.5 dCi	5512	88
Kangoo 1.5 dCi	5575	90
Kangoo Be Bop 1.5 dCi	5575	90
Koleos 2.0dCi, 2.0 dCi 4x4	5584	90
Koleos 2.5 SCe230	5775	99
Koleos 2.5S Ce230 AWD	5775	99
Koleos II (HC_)	5775	99
Laguna 1.9 dTi	5389	83
Laguna 1.6 16V	5423	84
Laguna 1.8	5423	84
Laguna 1.6 16V	5467	86
Laguna 1.8	5467	86
Laguna I, Grandtour (K56_), (B56_, 556_) 1.9 dCi (B56W)	5410	84
Laguna II (BG0/1_) 1.9 dCi (BG0E) (KG0E)	5410	84
Laguna II (BG0/1_) 1.9 dCi (BG0E, BG0R)	5410	84
Laguna II 1.6 16V, 1.9 dCi	5423	84
Laguna II 1.9 dCi (Alt. Valeo 120A)	5432	85
Laguna II 1.6 16V, 1.9 dCi	5467	86
Laguna II 1.9 dCi	5492	86
Laguna II 2.0 DCi	5562	89
Laguna II 1.6 16V	5575	90
Laguna II (BG0/1_), Grandtour (KG0/1_) 1.9 dCi, (BG0G)	5410	84
Laguna II, Grandtour 1.9 dCi (Alt. Bosch 150A)	5523	88
Laguna III 2.0 DCi (Alt. Valeo 150A)	5562	89
Laguna III 2.0 dCi (Alt. Mitsubishi 210A)	5584	90
Laguna III (BT0/1) 1.5 dCi (BT0A)	5585	90
Laguna III (KT0/1) 1.5 dCi (KT0A)	5585	90
Laguna III (BT0/1), Grandtour (KT0/1) 2.0 16V (BT0F), (KT0F), Hi-Flex	5410	84
Latitude 2.0 dCi, 3.0 dCi	5584	90
Logan 1.4, 1.6	5423	84
Logan 1.5 dCi	5423	84
Logan 1.4, 1.6	5467	86
Logan 1.5 dCi	5467	86
Logan 1.6	5575	90
Logan 1.0 3 Cilindros	5712	97
Master II 1.9 dCi (Alt. Valeo 120A)	5432	85
Master II 2.5 dCi	5492	86
Master II Autocarro, Caixa (FD) (JD/ND) 1.9 dCi 80	5410	84



Renault	Nº ZEN	Pg.
Master III 3.0 dCi 140	5431	85
Megane IV Grandtour r(K9A/M/N_)	5775	99
Megane IV Hatchback (B9A/M/N_)	5775	99
Megane CC (EZ0/1_) 2.0 CVT	5410	84
Megane I 1.9 dCi, 1.9 dTi	5389	83
Megane I 1.4	5423	84
Megane I 1.4e, 1.4 16V, 1.6 16V	5423	84
Megane I 1.4i	5423	84
Megane I 1.4	5467	86
Megane I 1.4e, 1.4 16V, 1.6 16V	5467	86
Megane I 1.4i	5467	86
Megane II (BM0/1_, CM0/1_) 1.9 dCi (BM0G, ...	5410	84
Megane II 1.9 dCi (Alt. Valeo 120A)	5432	85
Megane II 1.9 / 2.0 dCi, 2.0 dCi Dynamic	5492	86
Megane II 1.9 dCi (Alt. Bosch 150A)	5523	88
Megane II 2.0 DCi	5562	89
Megane II 2.0 DCi Dynamic	5562	89
Megane II (60-76kW) 1.5 dCi (Alt. Bosch 150A)	5575	90
Megane II (78kW) 1.5 dCi (Alt. Bosch 150A)	5575	90
Megane II (BM0/1,CM0/1) 1.5 dCi	5585	90
Megane II 1.4 16V	5676	95
Megane II Combi (KM0/1) 1.5 dCi (KM16, KM1E)	5585	90
Megane II Coupé-Cabriolet (EM0/1) 1.5 dCi (EM1E)	5585	90
Megane II três volumes (LM0/1) 1.5 dCi	5585	90
Megane III / Megane III Grandtour 2.0 dCi (110kW)	5584	90
Megane III / Megane III Grandtour 2.0 dCi (118kW)	5584	90
Megane III Coupé (DZ0/1) 1.5 dCi (DZ09, DZ0D, DZ1F, DZ1G)	5585	90
Megane III Coupé (DZ0/1) 1.5 dCi (DZ0B)	5585	90
Megane III Grandtour (KZ0/1), Coupé (DZ0/1_) 2.0 CVT (KZ0G, DZ0G)	5410	84
Megane III Grandtour (KZ0/1)	5585	90
Megane III Grandtour (KZ0/1) 1.5 dCi (KZ1M, KZ1W)	5585	90
Megane III Hatchback (BZ0_) 2.0 CVT (BZ0G)	5410	84
Megane III Hatchback (BZ0) 1.5 dCi	5585	90
Megane III Hatchback (BZ0) 1.5 dCi (BZ09)	5585	90
Megane Scenic 1.9 dTi	5389	83
Modus (48-63kW) 1.5, 1.5 dCi (Alt. Bosch 82 00 360 480 120A)	5525	88
Modus (76kW) 1.5 dCi (Alt. Bosch 120A)	5525	88
Modus (78kW) 1.5 dCi (Alt. Bosch 82 00 360 480 120A)	5525	88
Modus (48-63kW) 1.5 1.5 dCi, 1.6 (Alt. Bosch 82 00 660 033 120A / 82 00 660 034 150A)	5575	90
Modus (76kW) 1.5 dCi (Alt. Bosch 150A)	5575	90
Modus (78kW) 1.5 dCi (Alt. Bosch 82 00 660 033 120A / 82 00 660 034 150A)	5575	90
Modus (F/JP0)	5647	94
Sandero 1.4, 1.6	5423	84
Sandero 1.4, 1.6	5467	86
Sandero 1.0 12V Sce (3cilindro)	5712	97
Scenic 1.9 dCi, 1.9 dCi RX4, 1.9 dTi	5389	83
Scenic (78kW) 1.5 dCi (Alt. Bosch 150A)	5575	90
Scenic 2.0dCi (110kW)	5584	90
Scenic 2.0dCi (118kW)	5584	90
Scenic II 1.4	5676	95
Scenic I 1.4 16V, 1.6, 1.6 16V	5423	84
Scenic I 1.4 16V, 1.6, 1.6 16V	5467	86
Scenic II 2.0 dCi	5492	86

Renault	Nº ZEN	Pg.
Scenic II (60-76kW) 1.5 dCi (Alt. Bosch 150A)	5575	90
Scenic II (JM0/1) 1.5 dCi (JM1E)	5585	90
Space IV 3.0 dCi	5526	88
Symbol 1.5 dCi	5575	90
Talisman 2.0	5565	89
Thalia 1.4, 1.4 16V	5423	84
Thalia 1.5 dCi (47kW)	5423	84
Thalia 1.5 dCi (48kW)	5423	84
Thalia 1.5 dCi (50kW)	5423	84
Thalia 1.5 dCi, 1.5 dCi RT (59-60kW)	5423	84
Thalia 1.4, 1.4 16V	5467	86
Thalia 1.5 dCi (47kW)	5467	86
Thalia 1.5 dCi (48kW)	5467	86
Thalia 1.5 dCi (50kW)	5467	86
Thalia 1.5 dCi, 1.5 dCi RT (59-60kW)	5467	86
Thalia I 1.5 dCi	5670	95
Thalia II	5676	95
Trafic II 1.9 dCi, 1.9 dCi 100 (ELOC), 1.9 dCi 80 (ELOB), dCi 100, dCi 80 (Alt. Valeo 120A)	5432	85
Trafic II 1.9 dCi	5492	86
Trafic II 2.0 DCi	5562	89
Trafic II Autocarro (JL) 1.9 dCi	5410	84
Trafic II Autocarro (JL) 1.9 dCi 80, 100 (JLOB) (JLOC)	5410	84
Trafic II Autocarro (JL) 2.5 dCi 135 (JL0D)	5410	84
Trafic II Autocarro (JL) 2.5 Dti	5410	84
Trafic II Caixa (FL) - 2.5 Dti	5410	84
Trafic II Caixa (FL) 1.9 dCi	5410	84
Trafic II Caixa (FL) 2.5 dCi 135 (FL0D)	5410	84
Trafic II Caixa, Caminhão plataforma (FL) 1.9 dCi 80 (FL0B) 100 (FL0C)	5410	84
Twingo 1.5 dCi (CN0U) (Alt. Valeo 120A)	5423	84
Twingo 1.5 dCi (CNOE)	5423	84
Twingo 1.5 dCi 75, 1.5 dCi 90	5423	84
Twingo 1.5 dCi (CN0U) (Alt. Valeo 120A)	5467	86
Twingo 1.5 dCi (CNOE)	5467	86
Twingo 1.5 dCi 75, 1.5 dCi 90	5467	86
Twingo 1.5 dCi (CNOE)	5512	88
Twingo 1.5 dCi (CN0U)	5512	88
Twingo 1.5 dCi (CNOE) (Alt. Bosch 120A)	5575	90
Vel Satis (130kW) 3.0 Cdi	5526	88
Vel Satis (133kW) 3.0 Cdi	5526	88
Vel Satis 2.0 DCi	5562	89
Vel Satis	5674	95

Saab	Nº ZEN	Pg.
42803 1.8t BioPower	5508	87
42803 1.8t, 1.8t BioPower, 2.0T	5508	87
42803 2.0t, 2.0t BioPower, 2.0 Turbo XWD	5508	87
42803 1.9 TiD, 1.9 TTiD	5528	89
42803 1.9 TiD (Alt. Bosch 120/140A)	5532	89
42803 1.9 TiD/1.9 TTiD	5576	90
42803 1.9 TTiD ano	5576	90
42803	6007	103
42803	6012	103
42864 1.9 TiD (Alt. Denso 140A)	5528	89
42864 1.9 TiD ano	5576	90
42864	5674	95
9-3 V6 2.8L 2792cc 170cid	5710	97

Saab	Nº ZEN	Pg.
9-3 X 1.9 TTiD ano 02.09-	5576	90
9-3X 2.0T, 2.0T BioPower	5508	87
9-3X	6007	103
9-5 2.0 TiD	5623	92
9-5 V6 2.8L Gas.	5781	100
9-5 3, TiD	5526	88

Saturn	Nº ZEN	Pg.
Ion Red Line L4 2.0L	5521	88
Sky 2.0 L4 Gas	5786	100

Seat	Nº ZEN	Pg.
Alhambra 1.8 T, 1.9 TDi, 2.0i, 2.8 V6	5378	83
Alhambra 1.9 TDi, 2.0i	5381	83
Alhambra 1.8T 20V	5383	83
Alhambra 2.0 TSi	5448	85
Alhambra 2.0 TFSi	5697	96
Alhambra 1.4 TSi	5729	98
Alhambra	6014	103
Altea 1.6, 1.9, 2.0 TDi, LPG, TFSi	5378	83
Altea 1.8 TFSi	5448	85
Altea 2.0 TFSi 4x4	5448	85
Altea 1.2 TSi	5493	86
Altea 1.4 TSi	5493	86
Arona 1.0, 1.5 TSi	5729	98
Arosa 1.4 TDi	5378	83
Arosa 1.7 SDI (44kW)	5380	83
Arosa 1.7 SDI (44kW)	5383	83
Arosa 1.7 SDI	5384	83
Arosa 1.7 DI	5385	83
Arosa 1 1.4 (55kW)	5380	83
Arosa 1 1.4 (55kW)	5383	83
Ateca 1.5 TSi	5697	96
Ateca 2.0 TSi	5697	96
Ateca 1.0, 1.4, 1.5 TSi	5729	98
Ateca	6014	103
Cordoba 1.2	5374	83
Cordoba 1.4, 1.9 TDi, Sdi	5378	83
Cordoba (6K2/C2) 1.6i, 1.8i, 2.0i	5380	83
Cordoba (6K2/C2) 1.9 SDI, 1.9 TDi, 2.0 i 16V	5380	83
Cordoba (6K5) 1.9 SDI, 1.9 TDi	5380	83
Cordoba 1.9 SDI, TDi	5381	83
Cordoba 1.4 i 16V, 1.9 SDI, 1.9 TDi	5383	83
Cordoba Variora 1.9SDI, TDi	5381	83
Cordoba, Ibiza 1.4 TDi	5514	88
Exeo 2.0 TDi	5378	83
Exeo 1.6/1.8 T	5448	85
Exeo 2.0 TFSi	5448	85
Exeo 2.0 TDi	5514	88
Exeo 1.8 TSi	5697	96
Exeo 2.0 TFSi	5697	96
Exeo	6014	103
Felicia I 1.6	5381	83
Felicia II 1.6 GLX, 1.6 LX, 1.6	5381	83
Ibiza 1.2, 1.4, 1.9, 2.0	5378	83
Ibiza 1.4 TDi	5514	88
Ibiza 1.8 TSi	5697	96
Ibiza 1.0, 1.2, 1.4 TSi	5729	98

Seat	Nº ZEN	Pg.
Ibiza II 1.9 SDI, TDi	5381	83
Ibiza IV 1.2	5374	83
Ibiza IV	6014	103
Ibiza Mk II (6K1) 1.6i, 1.8i, 2.0i	5380	83
Ibiza Mk II (6K1) 1.9 SDI, 1.9 TDi, 2.0 i 16V	5380	83
Ibiza Mk II 1.4i	5383	83
Ibiza Mk II 1.6i, 1.8i, 2.0i	5383	83
Ibiza Mk II 1.9 TDi, 2.0 i 16V	5383	83
Ibiza Mk III (6K1) 1.9 SDI, 1.9 TDi	5380	83
Ibiza Mk IV (6K1) 1.4 16V, 1.9 TDi	5380	83
Ibiza Mk IV (6K1) 1.9 SDI	5380	83
Ibiza V 1.2 TSi	5493	86
Ibiza V 1.4 TSi	5493	86
Ibiza V 1.6 TDi	5493	86
Ibiza V 2.0 TDi	5493	86
Ibiza V 1.2, 1.4 TDi, 1.9 TDi	5514	88
Inca (6K9) 1.7 D	5380	83
Inca (6K9) 1.9 SDI	5380	83
Inca 1.7 D, SDI	5381	83
Inca 1.4i, 1.9 D, 1.9 SDI	5383	83
Kodiaq	6014	103
Leon 1.4, 1.6, 1.8, 1.9, 2.3, 2.8	5378	83
Leon (1M1) 1.6, 1.8 20V, 1.9 TDi, 1.9 SDI, 1.8 20V T, 1.8 20V T 4	5380	83
Leon (1M1) 2.8 Cupra 4	5380	83
Leon 1.8 TSi	5448	85
Leon 2.0 TFSi	5448	85
Leon 1.2 TSi	5493	86
Leon 1.4 TSi	5493	86
Leon 1.8 TSi	5697	96
Leon 2.0 Cupra	5697	96
Leon 2.0 TSi	5697	96
Leon 1.0, 1.2, 1.4, 1.5 TSi	5729	98
Leon 1.4, 1.5 TGI	5729	98
Leon	6014	103
Leon SC, ST	6014	103
Octavia 1.0, 1.2, 1.4, 1.5 TSi	5729	98
Superb 1.4, 1.5 TSi	5729	98
Tarraco 2.0 TSi	5697	96
Tarraco 1.4, 1.5 TSi	5729	98
Toledo (1L) 1.9 TDi	5380	83
Toledo 1.0, 1.2, 1.4 TSi	5729	98
Toledo I 1.9 TDi	5381	83
Toledo II, III 1.6, 1.8, 1.9, 2, 2.3, 2.8, TFSi, TDi	5378	83
Toledo III 1.8 TFSi	5448	85
Toledo Mk II (1M2) 1.8 20V, 1.9 TDi	5380	83
Toledo Mk II (1M2) 2.3 V5	5380	83
Toledo Mk II (1M2) 2.3 V5 20V	5380	83

Skoda	Nº ZEN	Pg.
Fabia 1.2	5374	83
Fabia 1.2, 1.4, 1.6, 1.9	5378	83
Fabia 1.2 TSi	5493	86
Fabia 1.4 TSi	5493	86
Fabia 1.4 TDi	5514	88
Fabia 1.0, 1.2, 1.4 TSi	5729	98
Fabia Praktik 1.2	5374	83

Skoda	Nº ZEN	Pg.
Felicia 1.9D (6U1,6U5)	5382	83
Felicia 1.9D (797)	5382	83
Felicia 1.9D Mk II (6U1,6U5)	5382	83
Felicia 1.9 D (6U1,6U5)	5383	83
Felicia I 1.9 D	5384	83
Felicia II 1.9 D	5384	83
Felicia Mk II 1.9 D (6U1,6U5)	5383	83
Kamiq 1.0, 1.5 TSI	5729	98
Karoq 2.0 TSI	5697	96
Karoq 1.0, 1.5 TSI	5729	98
Kodiaq 2.0 TSI	5697	96
Kodiaq 1.4, 1.5 TSI	5729	98
Kombi 1.9 D	5384	83
Octavia 1.6, 1.8, 1.9, 2.0	5378	83
Octavia 1.9 SDI (50kW)	5383	83
Octavia 1.9 TDI (66kW)	5383	83
Octavia 1.9 TDI (81kW)	5383	83
Octavia 1.8 TSi	5448	85
Octavia 2.0 RS	5448	85
Octavia 1.2 TSI	5493	86
Octavia 1.4 TSI	5493	86
Octavia 1.8 TSI	5697	96
Octavia 2.0 TSI	5697	96
Octavia Kombi 1.9 SDI, 1.9 TDI	5383	83
Pick Up 1.9 D	5384	83
Rapid 1.0, 1.2, 1.4 TSI	5729	98
Roomster 1.2, 1.4, 1.6, 1.9, TDI	5378	83
Roomster 1.2 TSI	5493	86
Roomster 1.4 TDI	5514	88
Scala 1.0, 1.5 TSI	5729	98
Superb 2.0 (3U4)	5376	83
Superb 1.6, 2.0 TDi	5378	83
Superb (3U4) 1.8 T, 2.0	5380	83
Superb (3U4) 1.9 TDI (74-77kW)	5380	83
Superb (3U4) 1.9 TDI (85kW)	5380	83
Superb (3U4) 1.9 TDI, 2.0 TDI (1996...20103kW)	5380	83
Superb 1.8 TSi/1.8 TSi 4x4/2.0 TSi	5448	85
Superb 1.4 TSI	5493	86
Superb 1.9 TDI, 2.0 TDI	5514	88
Superb 2.0 TDI 16V	5514	88
Superb 3.6, 3.6 V6	5514	88
Superb III 1.8 TSi	5697	96
Superb III 2.0 TSi	5697	96
Yeti 1.6, 2.0 TDi	5378	83
Yeti 1.8 TSi	5448	85
Yeti 1.2 TSI	5493	86
Yeti 1.4 TSI	5493	86
Yeti 1.2, 1.4 TSI	5729	98
Smart	Nº ZEN	Pg.
ForFour 1.5 CDI	5574	90
Ssangyong	Nº ZEN	Pg.
Actyon	5529	89
Actyon II	5726	98
Actyon Sports I	5726	98
Actyon Sports II	5726	98
Actyon I 2.3 4x4	5375	83

Ssangyong	Nº ZEN	Pg.
Actyon Sports	5529	89
Korando	5726	98
Kyron 2.7 Xdi	5529	89
Musso 2.9 4x4	5375	83
Rexton 2.7 Xdi	5529	89
Rexton W	5726	98
Rexton RX290	5375	83
Rodius 2.7 Xdi	5529	89
Rodius II	5726	98
Stavic 2.7 270 sXDi	5529	89
Tivoli 1.6	5803	101
XLV SUV 1.6	5803	101
XLV SUV e Xdi 160	5803	101
Subaru	Nº ZEN	Pg.
Crosstrek H4 2.0L 1995cc	5507	87
Forester (SK)	5507	87
Forester 2.0 AWD (SHJ)	5507	87
Forester 2.0 AWD (SJG) 206	5507	87
Forester 2.0 Hybrid AWD (SKE) 107	5507	87
Forester 2.0 i AWD (SJ5) 109	5507	87
Forester 2.0 XT AWD (SJG) 177	5507	87
Forester 2.0 XT AWD 186	5507	87
Forester SH 110	5507	87
Forester SJ	5507	87
Forester (SH)2.0 D	5610	92
Forester 2.0	5806	101
Impreza 2.0 (GP6) 110	5507	87
Impreza 2.0 AWD (GP7) 110	5507	87
Impreza 2.0 Hybrid AWD (GPE) 110	5507	87
Impreza Combi 2.0 AWD 110	5507	87
Impreza Hatchback (GP_)	5507	87
Impreza Hatchback (GT_)	5507	87
Impreza Hatchback 2.0 i (GT6) 113	5507	87
Impreza Hatchback 2.0 i AWD (GT7) 113	5507	87
Impreza Três volumes (GJ_)	5507	87
Impreza Três volumes (GK_)	5507	87
Impreza Três volumes 2.0 AWD (GJ7) 110	5507	87
Impreza Três volumes 2.0 AWD 200	5507	87
Impreza Três volumes 2.0 i AWD (GK7) 113	5507	87
Impreza 2.0 D	5610	92
Impreza H4 2.0L 1995cc	5507	87
Legacy V (BM)	5507	87
Legacy V 2.0 GT AWD (BM5) 221	5507	87
Legacy V 2.5 AWD (BMM) 129	5507	87
Legacy V 2.5 i AWD 129	5507	87
Legacy V Combi (BR)	5507	87
Legacy V Combi 2.0 i AWD 110	5507	87
Legacy V Combi 2.5 i AWD (BRM) 127	5507	87
Legacy VI (BN, BS)	5507	87
Legacy VI 2.0 DIT AWD 177	5507	87
Legacy VI 2.5 i AWD (BN9) 129	5507	87
Legacy IV 2.0 D	5610	92
Legacy V 2.0	5806	101
Levorg 1.6 AWD (VM4) 125	5507	87
Levorg 2.0 AWD (VMG) 197	5507	87
Levorg 2.0 AWD (VMG) 221	5507	87

Subaru	Nº ZEN	Pg.
Outback (BR)	5507	87
Outback (BS)	5507	87
Outback 2.5 AWD (BS9) 129	5507	87
Outback BR 2.5 i AWD (BRM) 125	5507	87
Outback BR 2.5 i AWD 130	5507	87
Outback BS 2.5 AWD 127	5507	87
Outback 2.0 D	5610	92
Outback 2.0	5806	101
WRX 2.0 AWD (GK6, GK8) 197	5507	87
WRX 2.0 AWD 221	5507	87
WRX Três Volumes (GJ)	5507	87
WRX H4 2.0L 1998cc 122cid	5507	87
XV (GP)	5507	87
XV 2.0 Hybrid AWD (GPE) 110	5507	87
XV 2.0 i AWD (GP7, G33GP) 110	5507	87
XV 2.0 i AWD 112	5507	87
XV 2.0	5806	101

Suzuki	Nº ZEN	Pg.
Grand Scudo 2.0	5437	85
Grand Vitara (JB) 2.0	5437	85
Grand Vitara 2.0	5437	85
Grand Vitara 2.0 HDI 110	5437	85
Grand Vitara 2.0 HDI 110, 2.0 TD, 2.0 TD Intercooler	5437	85
Grand Vitara	5656	94
Grand Vitara	6002	103
Ignis II 1.3 DDiS	5396	84
Ignis II 1.3 DDiS (Alt. Valeo 100A)	5449	85
Ignis II 1.3 DDiS	6009	103
Jimny 1.5 DDiS 4WD (SN415D)	5724	97
Splash 1.3 CDTI (Alt. Valeo 100A)	5449	85
Splash 1.3 CDTI	6009	103
Swift III 1.3 DDiS	5396	84
Swift III (SG) 1.3 DDiS (Alt. Valeo 100A)	5449	85
Swift III 1.3 DDiS D13A Z13DT Z 13 DTJ (51-55kW)	6009	103
SX4 1.6	5629	93
Sx4 SCross	5730	98
Vitara	5730	98
Wagon R 1.3 DDiS	5396	84
Wagon R (MM) 1.3 DDiS (Alt. Valeo 100A)	5449	85
Wagon R 1.3 DDiS Z13DT (51kW)	6009	103

Tata	Nº ZEN	Pg.
Indigo 1.3 e 1.4	5667	95
Manza	5667	95
Vista	5667	95

Toyota	Nº ZEN	Pg.
4 Runner 4.0 VVTi	5503	87
4 Runner	6005	103
Alphard 2.4, 2.4 4WD	5502	87
Alphard 3.5, 3.5 4WD	5503	87
Alphard	6002	103
Alphard	6005	103
Aurion 3.5	5503	87
Aurion	6005	103
Auris 1.6 VVTi	5428	85
Auris 1.6, 1.8	5428	85

Toyota	Nº ZEN	Pg.
Auris 1.2	5572	90
Auris 2.0, 2.2 D-4D	5609	92
Auris 1.4 D-4D	5613	92
Auris	5728	98
Auris Touring Sports	5728	98
Auris (E15)	5743	99
Auris (E15) DualVVTi (NRE150)	5743	99
Auris (E18)	5743	99
Auris 1.4 D-4D	5794	101
Auris 1.3	5820	102
Auris	6006	103
Auris 1.4D-4D	5658	94
Avalon 3.5 VVTi	5503	87
Avalon	6005	103
Avalon [Sedan] 3.5 24V	5503	87
Avensis 1.9 (T22)	5424	84
Avensis 2.0 D-4D (T25)	5424	84
Avensis (T27) 1.6, 1.8, 2.0	5428	85
Avensis 2.0, 2.2 D-4D	5609	92
Avensis	6006	103
Avensis Verso D4-D (AC)	5424	84
Axio (E14,E15)	5428	85
Aygo (B4)	5742	98
Aygo 1.0 VTi	5809	102
AZ 2.4L Gas - Worldwide	5502	87
Blade (ZE15,RE15)	5428	85
Camry (V30) 2.4 VVT-i, 2.4 VVTi LE	5502	87
Camry (V40) 2.4 VVTi Hybrid, 2.4 VVTi LE	5502	87
Camry (V30) 3.5 VVTi XLE	5503	87
Camry	5684	96
Camry	6002	103
Camry	6005	103
Camry	6006	103
Camry [Sedan] 3.5 24V	5503	87
Camry Solara 2.4	5502	87
CHR 1.2	5572	90
Corolla (E11) 2.0 D-4D	5424	84
Corolla (E12) 2, 2.0 D-4D, 2.0 D4-D	5424	84
Corolla (ZER,ZZE) 2.0 D-4D	5424	84
Corolla (E12) 1.6, 1.6 VVTi	5428	85
Corolla 1.2	5572	90
Corolla 2.0, 2.2 D-4D	5609	92
Corolla 1.4D/D-4D	5613	92
Corolla	5658	94
Corolla Estate	5728	98
Corolla Saloon	5728	98
Corolla Três volumes (E15)	5743	99
Corolla Três volumes (E16)	5743	99
Corolla 1.4 D-4D	5794	101
Corolla 1.3	5820	102
Corolla	6002	103
Corolla	6006	103
Corolla Altis	5745	99
Crown 3.0	5503	87
Crown	6005	103
Dyna 2.5 D4d	5567	90
Dyna 3.0	5609	92

Toyota	Nº ZEN	Pg.
Echo 1.4 D4d	5645	93
Echo Hatchback (NCP13, NCP12) 1.4 D4d (55kW)	5588	91
Estima 3.5, 3.5 4x4	5503	87
Fortuner 3.0	5452	85
Hiace 2.7	5503	87
Hiace 2.5 D-4D	5567	90
Hiace	6005	103
Hiace IV 2.5 D-4D	5452	85
Hiace IV 2.4 D-4D, 2.5 D-4D	5509	87
Hiace IV 2.5 D-4D	5567	90
Hiace IV, V 2.5 D-4D	5609	92
Highlander	5762	99
Highlander	6002	103
Hilux 2.5 D 4x4	5452	85
Hilux 2.5 D-4D	5452	85
Hilux 2.5,3.0 D-4D	5509	87
Hilux (N) 2.5 D, 2.5 D4d, 2.5 D-4D 4x4	5567	90
Hilux 2.5 D-4D	5567	90
Hilux Pick Up 2.5 D-4D, 2.5 D-4D 4x4, 3.0 D-4D 4x4	5452	85
Hilux Pick Up 3.0 All-wheel Drive 4x4 (KUN26)	5452	85
Hilux SW4 3.0	5509	87
Jetliner (T27) 1.6, 1.8, 2.0	5428	85
Kijang MPV 2.5 D4D	5567	90
Kluger 3.5	5503	87
Kluger	6005	103
Land Cruiser 4.0 (179kW)	5503	87
Land Cruiser 4.0 (183kW)	5503	87
Land Cruiser 4.0 V6 Dual VVTi, 4.0 V6 VVTi, 4.0 V6 VVT-i	5503	87
Land Cruiser 3.0 D-4D	5509	87
Land Cruiser (J12) 3.0 D-4D	5567	90
Land Cruiser (J9) 3.0 D-4D	5567	90
Land Cruiser 3.0 D-4D	5609	92
Land Cruiser	6005	103
Land Cruiser Prado (J12) 3.0 D-4D (KDJ120)	5452	85
Matrix	6002	103
Matrix	6006	103
Matrix, RAV 4, Solara	5502	87
Megalinier (T27) 1.6, 1.8, 2.0	5428	85
Previa (ACR3) 2, 2.4, 2.4 16V, 2.4 Hybrid	5424	84
Previa (ACR3) 2.0 D4-D	5424	84
Previa 2.4, 2.4 16V, 2.4 Hybrid	5502	87
Previa 3.5	5503	87
Previa	6002	103
Previa	6005	103
Proace 1.6	5800	101
Proace 1.5, D4d	5815	102
Proace 2.0, D	5815	102
Proace 2.0, D4d	5815	102
Proace City 1.2, 1.5	5790	100
Proace Verso 1.6	5800	101
Qualis MPV 2.5 D4d	5567	90
RAV 4 3.5 VVTi	5503	87
RAV 4	6002	103
RAV 4	6006	103
RAV 4 [Sport Utility] 2.4 16V	5502	87
RAV 4 II (XA2) 2.0 D4-D	5424	84

Toyota	Nº ZEN	Pg.
RAV 4 II 2.4 VVTi	5502	87
RAV 4 III 2.0	5428	85
RAV 4 III 2.4 VVTi, 2.4 VVTi 4WD	5502	87
RAV 4 III 2.2 D-4D	5609	92
RAV 4 III	6005	103
Sienna	6005	103
SW4 (N2) 3.0 D	5567	90
SW4	6005	103
Tacoma	5705	96
Tacoma	6001	103
Tacoma II (N) 2.5 D-4D, 2.5 D-4D 4WD	5567	90
Tarago 2.4, 2.4 VVTi	5502	87
Tarago 3.5	5503	87
Tarago	6005	103
tC	6006	103
Toyota Land Cruiser 3.0 D-4D	5513	88
Urban 1.4D-4D	5658	94
Urban Cruiser (P1)	5743	99
Urban Cruiser 1.33 (NSP110)	5743	99
Vanguard III 3.5 4WD	5503	87
Vanguard III 3.5 VVTi	5503	87
Vellfire 3.5, 3.5 4WD	5503	87
Venza	5762	99
Verso 1.6, 1.8	5428	85
Verso 2.0, 2.2 D-4D	5609	92
Verso 1.3	5820	102
Verso	6006	103
Verso 1.4D-4D	5658	94
Vitz (P1) 1.4 D4-D (55kW)	5588	91
XB	6002	103
Yares 1.4 D4d	5645	93
Yaris 1.8 VVTi (98kW)	5428	85
Yaris (SCP1, NLP1, NCP1) 1.4 D4-D (55kW)	5588	91
Yaris 1.4 D-4D (66kW)	5601	91
Yaris (P9)	5743	99
Yaris 1.33 VVTi (NSP90)	5743	99
Yaris 1.4 D-4D	5794	101
Yaris 1.0	5795	101
Yaris 1.0	5809	102
Yaris 1.3	5820	102
Yaris 1.5	5820	102
Yaris	6006	103
Yaris 1.4D-4D	5658	94
Yaris Verso (NLP2,NCP2) 1.4 D4-D (55kW)	5588	91

Troller	Nº ZEN	Pg.
Especial/Special 2.8 Diesel Motor MWM	5374	83

Vauxhall	Nº ZEN	Pg.
Agila 1.3 CDTI (Alt. Denso 70/100A)	5440	85
Astra MK III 1.4i 16V, 1.6	5455	86
Astra Mk IV 1.7 CDTI 16V	5454	85
Astra MK IV 1.4i 16V, 1.6 16V, 1.8 16V, 1.8 16V Dualfuel, 1.9, 2.0 16V	5455	86
Astra MK V 1.3 CDTI (Alt. Denso 70/105A)	5440	85
Astra Mk V 1.7 CDTI	5454	85
Astra MK V 1.8	5455	86
Astra Mk V 2.0 Turbo	5530	89



Vauxhall	Nº ZEN	Pg.
Astra Mk V 1.9 CDTi, 1.9 CDTi 16V, 1.9 LE	5532	89
Astra Mk V 1.9 CDTi, 1.9 CDTi 16V, 1.9 LE	5576	90
Astra MK VI 1.4 i 16v VVT	5622	92
Astra MK VI 1.6 i 16v VVT	5622	92
Astra MK VI 1.3 CDTi 16V	5623	92
Astra MK VI 1.4 i 16v VVT TURBO	5623	92
Astra MK VI 2.0 CDTi	5623	92
Astra MK VI 2.0 CDTi	5624	92
Astra Van MK IV 1.6i	5455	86
Astravan Mk IV 1.7 CDTi	5454	85
Combo 1.3 CDTi 16V (Alt. Denso 70A)	5440	85
Combo 1.7 CDTi 16V	5454	85
Combo 1.3	5802	101
Combo 1.5, D, D4d	5815	102
Corsa 1.4i 16V	5455	86
Corsa MK IV E	5706	96
Corsa MK IV 1.3	5791	100
Corsa 1.5	5815	102
Corsa MK II 1.3 CDTi 16V (Alt. Denso 70A)	5440	85
Corsa Mk II 1.7 CDTi 16V	5454	85
Corsa Mk II 1.2 (59kW)	5590	91
Corsa Mk II 1.2 i 16V (63kW)	5590	91
Corsa Mk II 1.4 (66kW)	5590	91
Corsa Mk II 1.4 16V (74kW)	5590	91
Corsa MK III 1.3 CDTi (Alt. Denso 70/100A)	5440	85
Corsa Van MK IV E	5706	96
Corsa Van 1.3	5791	100
Corsa Van MK II 1.3 CDTi 16V (Alt. Denso 70A)	5440	85
Corsavan Mk II 1.2 i 16V (51kW)	5590	91
Crossland 1.2	5815	102
Crossland 1.5, Turbo D	5815	102
Crossland 2.0	5815	102
Meriva 1.3 CDTi (Alt. Denso 120A)	5440	85
Meriva 1.7 CDTi 16V	5454	85
Meriva Mk II 1.4	5590	91
Meriva Mk II (B) 1.4	5596	91
Mokka 1.5	5815	102
Movano 3.0 DTi	5431	85
Movano 1.9 DTi	5432	85
Movano Mk I (A) Kombi(JD) Van (FD) 1.9 DTi	5410	84
Movano MkII 2.3 CDTi FWD	5584	90
Movano MkII 2.3 CDTi RWD	5584	90
Signum 2.0 Turbo, 2.2	5508	87
Signum 1.9 CDTi, 1.9 CDTi 16V	5532	89
Signum 1.9 CDTi, 1.9 CDTi 16V	5576	90
Signum	5674	95
Tigra 1.3 CDTi (Alt. Denso 100A)	5440	85
Vectra 1.6i 16V	5455	86
Vectra Mk II 1.6 16V, 1.8 16V, 1.8 16V Dualfuel	5455	86
Vectra MK II 2.0 16V Turbo, 2.2 direct	5508	87
Vectra Mk II 1.9 CDTi, 1.9 CDTi 16V	5532	89
Vectra Mk II 1.9 CDTi, 1.9 CDTi 16V	5576	90
Vectra Mk II	5674	95
Vivaro 1.9 DI, 1.9 DTi	5432	85
Vivaro 2.0 CDTi	5562	89
Vivaro 1.5	5815	102
Vivaro Caixa 1.9 DI, DTi	5410	84

Vauxhall	Nº ZEN	Pg.
Vivaro Caixa 2.5 CDTi	5410	84
Vivaro Caixa 2.5 DTi	5410	84
Vivaro Caminhão plataforma chassis - 2.5 CDTi	5410	84
Vivaro Kombi 1.9 DI, DTi	5410	84
Vivaro Kombi 2.5 CDTi	5410	84
Vivaro Kombi 2.5 DTi	5410	84
Zafira 1.6 16V	5455	86
Zafira 1.8 16V	5455	86
Zafira Mk II 2.0	5530	89
Zafira Mk II 1.9 CDTi	5532	89
Zafira MK II 1.9 CDTi	5576	90
Zafira Mk III (P12)	5623	92

Volkswagen	Nº ZEN	Pg.
Amarok 2.0 TDI, 2.0 TDI 4motion, 2.0 BiTDI, 2.0 BiTDI 4motion	5514	88
Amarok 3.0, V6, TDI	5595	91
Amarok 2.0 TSI	5697	96
Amarok 2.0 TSI	6014	103
Arteon 2.0 TSI	5697	96
Arteon 1.5 TSI	5729	98
Arteon	6014	103
Atlas 2.0 TSI	5697	96
Beetle 1.2 TSI, 1.4 TSI (5C1, 5C7)	5493	86
Beetle 1.8 TSI	5697	96
Beetle 2.0 TSI	5697	96
Beetle 1.2 16V TSI, 1.4 TSI	5729	98
Beetle	6014	103
Beetle 2.0 TSI Cabriolet CPLA	6014	103
Beetle 2.0 TSI CPLA	6014	103
Bora 1.6, 1.8, 1.9, 2, 2.3, 2.8	5378	83
Bora 1.4, 1.5	5729	98
C-Trek 1.4, 1.5	5729	98
Caddy 1.9 D	5384	83
Caddy 1.2 TSI	5493	86
Caddy 1.0 TSI, 1.2 TSI, 1.4 TGI	5729	98
Caddy G2, G3 1.6, 1.9, 2.0	5378	83
Caddy II Box 1.9 SDI, TDI	5381	83
California	5660	94
California T5 2.0 TDI	5514	88
California, Caravelle T4 2.5 TDI	5425	84
Caravelle	5660	94
Caravelle T5 2.0 TDI	5514	88
CC 1.4 TSI	5729	98
Crafter 2.5 TDi	5378	83
Cross Up 1.0 EA211	5493	86
Eos 2, 3.2 FSi, TFSi, TDi v6	5378	83
Eos 1.4 TSi	5448	85
Eos 2.0 FSi	5448	85
Eos 2.0 TSi	5448	85
Eos 1.4 TSi	5493	86
Eos 2.0 FSi	5514	88
Eos 2.0 TDI	5514	88
Eos 3.2 FSi	5514	88
Eos 3.6 V6	5514	88
Fabia 1.4, 1.6	5493	86
Fox 1.2	5374	83

Volkswagen	Nº ZEN	Pg.
Fox 1.4 Tdi (Alt.045903023B, 045903023, 038903018R)	5378	83
Fox 1.0 EA211	5493	86
Fox 1.6 EA211	5493	86
Fox 1.4 TDI (Alt.045903023C)	5514	88
Gol 1.9D	5409	84
Golf (1E7) Mk III 1.6	5380	83
Golf (1E7) Mk III 1.8, 2.0	5380	83
Golf (1E7) Mk III 1.9 TDI	5380	83
Golf (1H1) Mk III 1.4, 1.8, 1.9 D, 1.9 TD, GTD, 2.0	5380	83
Golf (1H1) Mk III 1.6	5380	83
Golf (1H1) Mk III 1.9 SDI (47kW)	5380	83
Golf (1H1) Mk III 1.9 TDI (66kW)	5380	83
Golf (1H1) Mk III 1.9 TDI (81kW)	5380	83
Golf (1H1) Mk III 2.0 GL	5380	83
Golf (1H1) Mk III 2.0 GTI 16V	5380	83
Golf (1H1) Mk III 2.9 VR6 Syncro (1HX1)	5380	83
Golf (1H5) Mk III 1.4, 1.8, 1.9 D, 1.9 TD, 2.0	5380	83
Golf (1H5) Mk III 1.6	5380	83
Golf (1H5) Mk III 1.9 SDI (81kW)	5380	83
Golf (1H5) Mk III 1.9 TDI (66kW)	5380	83
Golf (1H5) Mk III 1.9 TDI (81kW)	5380	83
Golf (1J1) Mk IV 1.4 16V, 1.8, 1.8T, 1.9 SDI	5380	83
Golf (1J1) Mk IV 1.6	5380	83
Golf (1J1) Mk IV 1.8 4motion	5380	83
Golf (1J1) Mk IV 1.9 TDI (81kW)	5380	83
Golf (1J1) Mk IV 1.9 TDI 4motion (66kW)	5380	83
Golf (1J1) Mk IV 1.9 TDI, 1.9 TDI 4motion (74kW)	5380	83
Golf (1J1) Mk IV 1.9 TDI, 1.9 TDI 4motion (96kW)	5380	83
Golf (1J1) Mk IV 2.0	5380	83
Golf (1J1) Mk IV 2.0 4motion, 2.3 V5, 2.3 V5 4 motion	5380	83
Golf (1J1) Mk IV 2.3 V5	5380	83
Golf (1J1) Mk IV 2.3 V5 4motion	5380	83
Golf (1J1) Mk IV 2.8 V6 4motion	5380	83
Golf (1J1) Mk IV 3.2 R32 4motion	5380	83
Golf 1.9 TDI, 1.9 TDI 4 motion	5382	83
Golf 1.9D	5409	84
Golf 1.8 TSI	5697	96
Golf 2.0 GTI	5697	96
Golf 2.0 TSI	5697	96
Golf 1.0, 1.2, 1.4, 1.5 TSI	5729	98
Golf	6014	103
Golf Country 1.9D	5409	84
Golf G3 1.6, 1.8, 1.9, 2, 2.3, 2.8	5378	83
Golf G5 1.9, 2.0 TDi	5378	83
Golf G6 1.6, 2.0 TDi	5378	83
Golf III 1.9 D, TD, GTD, TDI, TDI Syncro	5381	83
Golf III Cabriolet 1.9 TDI	5381	83
Golf III Variant 1.9 D, TD, TDI	5381	83
Golf IV 1.9 SDI, 2.3 V5	5383	83
Golf IV 1.9 TDI (66kW)	5383	83
Golf IV 1.9 TDI (81kW)	5383	83
Golf IV Cabriolet 1.9 TDI	5381	83
Golf Plus 1.6, 2, 1.9	5378	83
Golf Plus V 1.2 TSI	5493	86
Golf Plus V 1.4 FSI, 1.4 TSI	5493	86
Golf Plus V 1.4 TSI	5493	86
Golf V 2.0 GTi	5448	85

Volkswagen	Nº ZEN	Pg.
Golf V 3.2	5514	88
Golf V 3.2 R32 4motion	5514	88
Golf VI 1.8/2.0 TSi	5448	85
Golf VI 1.2 TSI	5493	86
Golf VI 1.4 TSI	5493	86
Gran Lavida 1.2, 1.4 TSI	5729	98
Gran Santana 1.4, 1.5	5729	98
Jetta 1.8 TSI	5697	96
Jetta 1.2 16V, 1.4, 2.0 TSI	5729	98
Jetta 1.5	5729	98
Jetta 2.0 TSI CPLA	6014	103
Jetta III 1.4 TSI	5493	86
Jetta III 1.9 TDI	5493	86
Jetta III (1K2) 2.5 FSI	5505	87
Jetta III (1K2) 2.5 FSI	5385	83
Jetta III, V 1.4, 1.6, 2.0	5378	83
Jetta IV (162) 2.5 FSI	5505	87
Jetta IV (162) 2.5 FSI	5385	83
Lamando 330 TSI	5697	96
Lamando TSI	5729	98
Lavida 1.4 Tsi	5493	86
Lavida 1.5 TSI	5729	98
Load Up 1.0	5729	98
LT 28-35 2.8 TDI	5425	84
LT 28-46 2.8 TDI	5425	84
Lupo 1.2, 1.4	5378	83
Lupo 1.7SDI	5384	83
Lupo 1.7 SDI	5385	83
Magotan 1.4 TSI	5729	98
Multivan 1.9, 3.2	5378	83
Multivan	5660	94
Multivan 2.0 TSI	5697	96
Multivan	6014	103
Multivan T4 2.5 TDI	5425	84
Multivan T5 2.0 TDI, 2.0 BiTDI, 2.0 BiTDI 4motion, 2.0 TDI, 2.0 TDI 4motion	5514	88
Multivan T5 2.0 TDI, 2.0 TDI 4motion	5514	88
Multivan T5 2.5 TDI	5533	89
Multivan T5 2.5 TDI 4motion	5533	89
Multivan VI	6014	103
New Beatle 2.3 V5	5388	83
New Beattle 1.4, 1.6, 1.8, 1.9, 2, 2.3	5378	83
New Beetle 1.9 TDI	5383	83
New Beetle 2.5 Turbo	5505	87
New Beetle Convertible 2.5	5505	87
Parati III 1.9D	5409	84
Passat 1.6, 1.8, 1.8 20V, 1.8T 20V (3B2,3B5) (74-110kW)	5376	83
Passat 1.8T Syncro, 2.0 (3B2,3B5) (110kW)	5376	83
Passat 1.6, 1.9, 2, 3.2 TDi, FSi	5378	83
Passat (3B2,3B5) 1.6, 1.8, 1.8 20V, 1.9 TDI	5380	83
Passat (3B2,3B5) 1.8, 1.8 20V, 1.9 TDI (66-92kW)	5380	83
Passat (3B2,3B5) 1.9 TDI (74kW)	5380	83
Passat (3B2,3B5) 1.9 TDI (85kW)	5380	83
Passat (3B3,3B6) 1.6, 1.9 TDI, 2.0 (75kW)	5380	83
Passat 1.8, 1.8 Lingyu, 2.0 Lingyu	5380	83
Passat 1.6, 1.8, 1.9 TDI, TD, 2, 2.0 16v	5381	83
Passat 1.9 TDI	5382	83

Volkswagen	Nº ZEN	Pg.
Passat 2.3 V5 4motion, 2.3 VR5 Syncro/4 motion	5388	83
Passat 2.3 V5, 2.3 VR5	5388	83
Passat 2.3 VR5, 2.3 VR5 Syncro/4motion	5392	84
Passat 1.8 TSi	5448	85
Passat 2.0 FSi	5448	85
Passat 2.0 TFSi	5448	85
Passat 2.0 TSi	5448	85
Passat 1.4 FSi	5493	86
Passat 1.6 FSi	5493	86
Passat 3.2 FSi 4motion	5514	88
Passat 3.6 FSi, 3.6 FSi 4motion, 3.6 R36 4motion	5514	88
Passat 1.8 TSi	5697	96
Passat 2.0 TSi	5697	96
Passat 1.4, 1.5 TSi	5729	98
Passat	6014	103
Passat CC 1.8 TSi	5448	85
Passat CC 2.0 TSi	5448	85
Passat CC 3.6 4motion	5514	88
Passat Lingyu 1.8 T, 2.0	5380	83
Passat Variant 1.6, 2.0 (3B3,3B6)	5376	83
Passat Variant 1.6, 1.8, 1.9 TDI, TD, 2, 2.0 16v	5381	83
Passat Variant 1.9 TDi	5382	83
Passat Variant 2.3 VR5, 2.3 VR5 Syncro/4motion	5392	84
Passat Variant 1.8 TSi	5448	85
Passat Variant 2.0 TSi	5448	85
Passat, Passat Variant 3.6 FSi 4motion	5514	88
Phaeton 5.0 V10 TDi	5533	89
Phaeton (3D) 3.2 V6	5649	94
Phaeton (3D) 3.2 V6 4Motion	5649	94
Polo 1.2	5374	83
Polo 1.2, 1.4, 1.6, 1.7, 1.9 D, TDi, SDi	5378	83
Polo (6N2) 1, 1.7 SDi, 1.9 D, 1.9 SDi	5380	83
Polo (6N2) 1.4 Tdi	5380	83
Polo (6NF) 1.4	5380	83
Polo (9N) 1.4 16V (59kW)	5380	83
Polo (9N) 1.4 16V (75-101kW)	5380	83
Polo (9N) 1.9 TDi (96kW)	5380	83
Polo (9N) 1.9 TDi, 1.9 SDi (74kW)	5380	83
Polo 1.7SDi, 1.7SDi, 1.7 SDi 60, 1.9D, 1.9D 64, 1.9SDi, 1.9SDi 64	5384	83
Polo (6N1/F) 1.7 SDi, 1.7 SDi 60	5385	83
Polo (6N1/F) 1.9 D, 1.9 D 64	5385	83
Polo (6N1/F) 1.9 SDi, 1.9 SDi 64	5385	83
Polo (6N2) 1.7 SDi, 1.9 D, 1.9 SDi	5385	83
Polo 1.2 TSi	5493	86
Polo 1.4 GTI	5493	86
Polo 1.4 TDi	5514	88
Polo 1.9 TDi	5514	88
Polo 1.8 GTI	5697	96
Polo 2.0 GTI	5697	96
Polo 1.0, 1.2, 1.4 TSi	5729	98
Polo Cross 1.4, 1.5	5729	98
Polo	6014	103
Polo 64 1.9 D ano	5382	83
Polo Box 1.7SDi 60, 1.9 SDi, 1.9D 64	5384	83
Polo Classic 110 1.9 TDi, 57 1.7 SDi, 64 1.9 SDi, 90 1.9TDi	5381	83

Volkswagen	Nº ZEN	Pg.
Rabbit V 1.6, 1.9, 2, 3.2	5378	83
Sagitar TSi	5729	98
Santana 1.5	5729	98
Saveiro III 1.9D	5409	84
Scirocco 1.8, 2.0	5378	83
Scirocco 2.0 TSi	5448	85
Scirocco 1.4 TSi	5493	86
Scirocco 2.0 TSi	5697	96
Scirocco 1.4 TSi	5729	98
Scirocco	6014	103
Sharan 1.8, 1.9, 2, 2.8	5378	83
Sharan (7M8,7M9,7M6) 1.9 TDi	5380	83
Sharan (7M8,7M9,7M6) 1.9 TDi, 1.9 TDi 4motion, 2.8 VR6, 2.8 V6 24V 4motion	5380	83
Sharan (7M8,7M9,7M6) 1.9 TDi, 2.0	5380	83
Sharan (7M8,7M9,7M6) 2.0	5380	83
Sharan (7M8,7M9,7M6) 2.0 TDi	5380	83
Sharan (7M8,7M9,7M6) 2.8 VR6	5380	83
Sharan 1.9TDi, 2.0	5381	83
Sharan 1.8 T 20V	5383	83
Sharan 2.0 TSi	5448	85
Sharan 1.4 TSi	5493	86
Sharan 2.0 TSi	5697	96
Sharan 1.4 TSi	5729	98
Sharan	6014	103
Superb 2.0	5493	86
T Roc	6014	103
T-Cross 1.0, 1.4, 1.5 TSi	5729	98
T-Cross 1.4 4cil	5729	98
T-Roc 1.0, 1.5 TSi	5729	98
Tacqua 1.5	5729	98
Tayron TSi	5729	98
Tharu 1.4 TSi	5729	98
Tiguan 2.0 TDi	5378	83
Tiguan 2.0 TFSi	5448	85
Tiguan 1.4 TSi	5493	86
Tiguan 2.0 TSi	5697	96
Tiguan 1.4, 1.5 TSi	5729	98
Tiguan	6014	103
Touareg 2.5 R5 TDi	5533	89
Touareg 5.0 R50 TDi	5533	89
Touareg 5.0 V10 TDi	5533	89
Touareg (7P5) 3.0 V6 TDi	5595	91
Touareg 2.0 TFSi	5697	96
Touareg 2.0 TSi	5697	96
Touareg 3.0 TDi, CR7	5817	102
Touareg 3.0 V6 TDi	5817	102
Touareg (7L6, 7L7) 3.2V6	5649	94
Touareg (7L6, 7L7) 3.2V6 FSi	5649	94
Touran 1.6, 1.9, 2.0 TDi	5378	83
Touran 1.2 TSi 05/2010...	5493	86
Touran 1.4 TSi 02/2006...	5493	86
Touran 1.8 TSi	5697	96
Touran 1.0, 1.2, 1.4, 1.5 TSi	5729	98
Touran	6014	103
Transporter 1.9, 2, 3.2	5378	83
Transporter	5660	94

Volkswagen	Nº ZEN	Pg.
Transporter 2.0 TSI	5697	96
Transporter	6014	103
Transporter IV 2.5 TDI	5425	84
Transporter IV 2.2.4 D	5381	83
Transporter T5 2.0 BiTDI, 2.0 BiTDI 4motion, 2.0 TDI, 2.0 TDI 4motion	5514	88
Transporter T5 2.0 TDI	5514	88
Transporter T5 2.0 TDI, 2.0 TDI 4motion	5514	88
Transporter V 2.5, 2.5TDi	5533	89
TRoc 2.0 TSI	5697	96
Up 1.0 EA211	5493	86
Up TSI 1.0 3Cil. EA211	5493	86
UP! 1.0 EcoFuel	5493	86
Up! 1.0 Flex	5729	98
Up! 1.0 GTI	5729	98
Up! 1.0 TSI	5729	98
Up! 1.0 TSI Flex	5729	98
Variant 2.3 V5 4motion, 2.3 VR5 Syncro/4motion	5388	83
Vento 1.9 D, TD, TDI	5381	83
Virtus TSI Flex	5729	98

Volvo	Nº ZEN	Pg.
2.2.0 20V, 2.0 Turbo, 2.3 Turbo	5390	83
C30 1.8, 1.8 FlexFuel, 2, 2.0 FlexFuel	5464	86
C30 1.6 D, 2.0 D	5501	87
C30	5648	94
C30 1.6	5801	101
C70 2.0T	5426	84
C70 2.4T	5426	84
C70 2.5	5426	84
C70 2.2.3T, 2.5T	5426	84
C70 D5	5608	92
C70 I 2.0 20V, 2.0 T, 2.3 T5, 2.5 T	5390	83
C70 II 2.4, 2.4 i, T5	5608	92
C70 II Cabriolet 2.4 i	5668	95
C70 II Cabriolet T5	5608	92
C70 II Convertible 2.0 D	5501	87
Especial/Special 2.0 20V, 2.0 20V Turbo, 2.3 Turbo, 2.4 20V, 2.4 20V Turbo	5390	83
Especial/Special 2.0 Turbo (LS), 2.0 Turbo (LW)	5390	83
Especial/Special 2.3	5390	83
Especial/Special 2.3 (LS), 2.3 (LW)	5390	83
Especial/Special 2.3 20V T-5, 2.3 T5 GLT	5390	83
Especial/Special 2.3 T5	5390	83
Especial/Special 2.3 T5 (LS), 2.3 T5 (LW)	5390	83
Especial/Special 2.3 T5 R	5390	83
Especial/Special 2.3 T5 R (LS), 2.3 T5 R (LW)	5390	83
Especial/Special 2.3 T5 Sport	5390	83
Especial/Special 2.3 T5-R (LS), 2.3 T5-R (LW)	5390	83
Especial/Special 2.3 Turbo R (LS), 2.3 Turbo R (LW)	5390	83
Especial/Special 2.4	5390	83
Especial/Special 2.4 Bifuel	5390	83
Especial/Special 2.4 GLE (LS), 2.4 GLE (LW), 2.5 (LW)	5390	83
Especial/Special 2.4 T5 Sport	5390	83
Especial/Special 2.4 Turbo, 2.5 Turbo	5390	83
Especial/Special 2.5 Bifuel	5390	83
S40 1.8, 1.8 FlexFuel, 2.0	5464	86
S40 1.6	5801	101

Volvo	Nº ZEN	Pg.
S40 I 1.9 DI, 1.9 TD	5389	83
S40 I (VS) - 1.9 DI	5410	84
S40 I (VS) - 1.9 TD	5410	84
S40 I 1.9 DI	5432	85
S40 I (100-147kW) 1.9 T4, 2.0 16V, 2.0 T, 2.0 T4	5516	88
S40 I (77-90kW) 1.6 16V, 1.8 16V	5516	88
S40 I (90kW) 1.8i	5516	88
S40 I (92kW) 1.8i	5516	88
S40 II 2.4	5426	84
S40 II 1.6 D, 2.0 D, 2.0 D4	5501	87
S40 II 2.4	5608	92
S40 II (MS)	5634	93
S40 II (MS)	5648	94
S60 2.5T, R 2.5T, 2.4 D, 2.4 D 5	5425	84
S60 2.0T, 2.3T, 2.3T5, 2.4, 2.4T, 2.4D, 2.4D 5, 2.4 Bifuel, R 2.5T, T5	5426	84
S60	5660	94
S60 CC T5 AWD 2.0 B4204T11	5821	102
S60 II T3 2.0 B4204T37	5821	102
S60 II T4 2.0 B4204T19	5821	102
S60 II T5 2.0 B4204T11	5821	102
S60 II T5 2.0 B4204T15	5821	102
S60 I	5634	93
S60 II 2.0T, T5	5589	91
S60 II	5634	93
S60 II	5646	94
S60 II 3.0 T AWD, T6 AWD	5686	96
S70	5390	83
S70 2.5 TDI	5425	84
S70 2, 2.0 10V, 2.0 20V Turbo, 2.3, 2.3 20V Turbo, 2.3 20V T-5, 2.3 T5 GLT	5426	84
S70 2.4, 2.4 16V, 2.4 20V, 2.4 Blu-Fuel, 2.4 Bifuel, 2.4 T5 Sport, 2.4 20V Turbo	5426	84
S70 2.5 10V, 2.5 20V Turbo AWD, 2.5 Bifuel	5426	84
S80 2.4 T, 2.4 T5, 2.4 D, 2.5 TDI	5425	84
S80 2, 2.0T, 2.3 R, 2.4, 2.4 Bifuel, 2.4 LTP, 2.4T, 2.4 T5, 2.4D, 2.4D 5, 2.5 TDI, 2.5 T, 2.8 T6, 2.9	5426	84
S80 2.0T	5589	91
S80	5660	94
S80 II (120kW) 2.4 D (Alt. Bosch 140A)	5425	84
S80 II (120kW) 2.4 D (Alt. Bosch 120/160A) 03/2006...	5426	84
S80 II 2.0 TDI	5450	85
S80 II 2.0 FlexFuel	5504	87
S80 II (AS)	5634	93
S80 II (AS)	5646	94
S80 II (AS) 3.2 AWD, T6 AWD	5686	96
S80 T5	5589	91
S90 T4 FWD 2.0 B4204T31	5821	102
S90 T4 FWD 2.0 B4204T44	5821	102
S90 T5 FWD 2.0 B4204T20	5821	102
S90 T5 FWD 2.0 B4204t23	5821	102
S90 T5 FWD 2.0 B4204T26	5821	102
V40 1.9 DI, 1.9 TD	5389	83
V40 1.6, 1.8, 1.8 Bi-Fuel, 1.8 Blu-Fuel, 1.9 T4, 1.9 DI, 1.9 TD, 2, 2.0 T, 2.0 T4	5516	88
V40 1.8i ano 03.98-06.04	5516	88

Volvo	Nº ZEN	Pg.
V40 CC 1.5 T3 B4154T4	5821	102
V40 CC 2.0 T3 B4204T37	5821	102
V40 CC 2.0 T4 B4201T19	5821	102
V40 II 1.5 T2 B4154T5	5821	102
V40 II 1.5 T3 B4154T4	5821	102
V40 II 2.0 T2 B4201T38	5821	102
V40 II T5 2.0 B4204T15	5821	102
V40 T5 2.0	5821	102
V40 (VW) D3	5668	95
V40 Hatchback	5646	94
V40 Kombi (VW) - 1.9 DI	5410	84
V40 Kombi (VW) - 1.9 TD	5410	84
V50 1.8, 1.8 FlexFuel, 2, 2.0 FlexFuel	5464	86
V50 1.6 D, 2.0 D	5501	87
V50 1.6	5801	101
V50 (MW)	5634	93
V50 (MW)	5648	94
V60 2.0T, T5	5589	91
V60	5634	93
V60 3.0 T AWD, T6 AWD	5686	96
V60 T4 2.0 B4204T19	5821	102
V60 T5 2.0 B4204T26	5821	102
V70 III T5 2.0 B4204T11	5821	102
V70 2 2.0 Turbo, 2.4 Turbo, 2.5 Turbo	5426	84
V70 2 2.3, 2.4, 2.4T, 2.5 Bifuel, 2.5 TDI	5426	84
V70 2 2.4 Bifuel	5426	84
V70 2 T5, AWD, VX, 2.4D	5426	84
V70 I	5390	83
V70 I 2.4, 2.5 TDI	5425	84
V70 II	5390	83
V70 II 2.4 D, 2.4 D5, 2.5 T, 2.5 R Sport, R 2.5 T, 2.5 TDI	5425	84
V70 II 2.0T, 2.3, 2.3 T5, 2.4, 2.4 Bifuel, 2.4T, 2.4D, 2.4 D5, 2.5T, 2.5 R Sport, R 2.5 T, 2.5 TDI	5426	84
V70 II (SW)	5634	93
V70 III 2.4 D, 2.4 D5	5426	84
V70 III 2.0 D	5450	85
V70 III 2.0 D	5501	87
V70 III 2.0T, T5	5589	91
V70 III (BW)	5634	93
V70 III (BW)	5646	94
V70 III 2 2.0 FlexFuel	5504	87
V90 CC T5 AWD 2.0 B4204T23	5821	102
V90 T5 2.0 B4204T26	5821	102
XC 70 Cross Country 2.5 T XC, 2.5 D5 XC	5425	84
XC40 T4 AWD 2.0 B4204T47	5821	102
XC40 T5 AWD 2.0 B4204T18	5821	102
XC40 T5 AWD 2.0 B4204T20	5821	102
XC60 2.0T	5589	91
XC60	5634	93
XC60 3.2	5686	96
XC60 T5 2.0	5821	102
XC60 T5 AWD 2.0 B4204T20	5821	102
XC60 T5 FWD 2.0 B4204T15	5821	102
XC60 T6 AWD 2.0 B4204T29	5821	102
XC70 II T5 FWD 2.0 B4204T11	5821	102
XC70 Cross Country 2.4 D5, 2.5 T XC, 2.5 D5 XC	5426	84

Volvo	Nº ZEN	Pg.
XC70 Cross Country	5634	93
XC70 II 2.4 D, 2.4 D5	5426	84
XC70 II	5634	93
XC70 II 3.2 AWD B 6324 S2, B 6324 S4, (168-171kW)	5686	96
XC90 2.5 T, D5	5426	84
XC90 II T5 AWD 2.0 B4204T20	5821	102
XC90 II T5 AWD 2.0 B4204T23	5821	102
XC90 I	5634	93
ZEN	Nº ZEN	Pg.
Universal	5600	105
Universal	12623	105

Alfa Romeo	Nº ZEN	Pg.
9948225	5642	93
9948513	5576	90
9949129	5576	90
9951162	5379	83
9951269	5576	90
51860757	5730	98
77364148	5496	87
77364725	5528	89
77365271	5603	92

Arrowhead	Nº ZEN	Pg.
AMT5026	5688	96

Audi	Nº ZEN	Pg.
04E903201	5729	98
021903119J	5649	94
021903119L	5649	94
038903119P	5376	83
03G903119B	5514	88
04E903201A	5729	98
04E903201E	5729	98
04E903219B	5729	98
059903119G	5595	91
059903119H	5595	91
059903119L	5595	91
06B903119A	5632	93
06B903119B	5448	85
06B903119D	5448	85
06E903119E	5631	93
06E903119L	5605	92
06E903119P	5631	93
06E903119Q	5602	91
06E903119R	5605	92
06E903119T	5739	98
07K903023F	5385	83
8V0903119	5729	98
8V0903119A	5729	98

BMW	Nº ZEN	Pg.
7560990	5769	99
11314466271	5456	86
12317516099	5456	86
12317516103	5458	86
12317552352	5456	86
12317552353	5458	86
12317560483	5458	86
12317560678	5633	93
12317560990	5769	99
12317682217	5737	98
4630529301A	5737	98

Bosch	Nº ZEN	Pg.
01211AD0BC	5504	87
0121C00401	5633	93
01221AA4Z0	5410	84
01221AA6K0	5445	85
01221AA7V0	5410	84
01221AA8F0	5445	85
0124325031	5423	84

Bosch	Nº ZEN	Pg.
0124325031	5467	86
0124A00238	5456	86
04E903219B	5729	98
F00M91281	6012	103
1120591505	5600	105
1126601534	5382	83
1126601549	5375	83
1126601557	5384	83
1126601559	5383	83
1126601565	5381	83
1126601566	5382	83
1126601567	5387	83
1126601568	5377	83
1126601572	5375	83
1126601580	5529	89
1126601588	5446	85
1126601593	5392	84
1126601596	5534	89
1126601597	5393	84
1127011843	5384	83
1127011844	5383	83
1127011846	5381	83
1127011847	5382	83
1127011848	5387	83
1127011857	5392	84
1127011861	5660	94
6033GC5009	5738	98
6033GD5036	5377	83
F000BL106K	5647	94
F000BL29M5	5792	100
F000BL29N3	5805	101
F000BL2D45	5721	97
F000BL3041	5766	99
F000BL9295	5707	96
F000BL9451	5798	101
F00M061005	5660	94
F00M061016	5390	83
F00M061023	5393	84
F00M147193	5456	86
F00M147613	6012	103
F00M147716	5426	84
F00M147722	5376	83
F00M147723	5388	83
F00M147723	5392	84
F00M147724	5380	83
F00M147731	5448	85
F00M147732	5448	85
F00M147735	5515	88
F00M147736	5425	84
F00M147736	5660	94
F00M147746	5458	86
F00M147747	5456	86
F00M147760	5426	84
F00M147761	5649	94
F00M147764	5450	85

Bosch	Nº ZEN	Pg.
F00M147766	5450	85
F00M147799	5426	84
F00M147800	5493	86
F00M147806	5525	88
F00M147807	5492	86
F00M147821	5575	90
F00M147828	5630	93
F00M147831	5492	86
F00M147854	5532	89
F00M147854	6012	103
F00M147859	5505	87
F00M147875	5611	92
F00M147876	5514	88
F00M147877	5710	97
F00M147878	5564	89
F00M147880	5641	93
F00M147906	5423	84
F00M147906	5467	86
F00M147907	5450	85
F00M147910	5697	96
F00M147910	6014	103
F00M147914	5458	86
F00M147936	5492	86
F00M147956	5575	90
F00M147957	5523	88
F00M147976	5525	88
F00M147999	5675	95
F00M349810	5504	87
F00M349813	5634	93
F00M349814	5450	85
F00M349820	5458	86
F00M349823	5668	95
F00M349824	5633	93
F00M349826	5494	86
F00M349827	5463	86
F00M349828	5566	89
F00M349835	5605	92
F00M349860	5561	89
F00M349860	6010	103
F00M349869	5663	95
F00M349870	5643	93
F00M349877	5580	90
F00M349878	5452	85
F00M349898	5458	86
F00M349899	5633	93
F00M349903	5589	91
F00M349911	5595	91
F00M391100	5561	89
F00M391100	6010	103
F00M391104	5566	89
F00M391107	5580	90
F00M391108	5452	85
F00M391110	5494	86
F00M391112	5504	87
F00M391113	5634	93

Bosch	Nº ZEN	Pg.
F00M391118	5580	90
F00M391119	5533	89
F00M391120	5580	90
F00M391121	5452	85
F00M391122	5458	86
F00M391124	5668	95
F00M391125	5452	85
F00M391135	5561	89
F00M391135	6010	103
F00M391138	5504	87
F00M391139	5634	93
F00M391140	5643	93
F00M391144	5566	89
F00M391146	5494	86
F00M391150	5589	91
F00M391158	5633	93
F00M391159	5458	86
F00M391160	5461	86
F00M591105	5784	100
F00M591111	5697	96
F00M591111	6014	103
F00M591117	5630	93
F00M591118	5784	100
F00M591124	5732	98
F00M591125	5732	98
F00M591126	5784	100
F00M599403	5580	90
F00M599420	5732	98
F00M599423	5493	86
F00M599430	5784	100
F00M599441	5663	95
F00M599447	5697	96
F00M599463	5630	93
F00M599491	5784	100
F00M599492	5784	100
F00M599497	5732	98
F00M599498	5732	98
F00M599500	5663	95
F00M599512	5788	100
F00M599518	5821	102
F00M599534	5378	83
F00M699408	5455	86
F00M991016	5426	84
F00M991039	5385	83
F00M991042	5376	83
F00M991043	5380	83
F00M991044	5388	83
F00M991045	5380	83
F00M991054	5423	84
F00M991054	5467	86
F00M991061	5426	84
F00M991076	5455	86
F00M991078	5403	84
F00M991090	5409	84
F00M991095	5425	84



Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Cargo	Nº ZEN	Pg.	Cargo	Nº ZEN	Pg.
F00M991099	5395	84	F00M991286	5505	87	39555	5520	88	235506	5493	86
F00M991105	5515	88	F00M991287	5514	88	138092	5600	105	235507	5505	87
F00M991108	5448	85	F00M991293	5492	86	138203	5383	83	235508	5566	89
F00M991116	5403	84	F00M991300	5533	89	138282	5384	83	235649	5406	84
F00M991125	5395	84	F00M991301	5458	86	138807	5375	83	235695	5514	88
F00M991128	5455	86	F00M991302	5461	86	139281	5381	83	235696	5496	87
F00M991134	5422	84	F00M991303	5395	84	230292	5393	84	235697	5494	86
F00M991138	5461	86	F00M991304	5393	84	230293	5378	83	235719	5576	90
F00M991139	5508	87	F00M991305	5515	88	230296	5426	84	235720	5452	85
F00M991139	6007	103	F00M991308	5425	84	230297	5411	84	235733	5630	93
F00M991141	5458	86	F00M991313	5575	90	230302	5380	83	235800	5508	87
F00M991142	5456	86	F00M991314	5523	88	230303	5446	85	235873	5507	87
F00M991156	5426	84	F00M991326	5525	88	230304	5376	83	236332	5424	84
F00M991157	5494	86	F00M991371	5571	90	230305	5377	83	236531	5533	89
F00M991167	5649	94	F00M991371	6003	103	230306	5388	83	236762	5455	86
F00M991171	5450	85	F00M991375	5385	83	230306	5392	84	236763	5509	87
F00M991172	5675	95	F00M991376	5376	83	230307	5410	84	236995	5449	85
F00M991178	5523	88	F00M991377	5388	83	230308	5438	85	237263	5649	94
F00M991181	5463	86	F00M991378	5380	83	230310	5411	84	237280	5508	87
F00M991181	5590	91	F00M991388	5383	83	230311	5445	85	237355	5523	88
F00M991190	5395	84	F00M991389	5381	83	230312	5388	83	237500	5578	90
F00M991192	5403	84	F00M991390	5382	83	230313	5379	83	237587	5588	91
F00M991204	5493	86	F00M991391	5377	83	230314	5516	88	237600	5387	83
F00M991210	5530	89	F00M991392	5375	83	230315	5515	88	237610	5501	87
F00M991216	5492	86	F00M991393	5529	89	230519	5390	83	237619	5464	86
F00M991217	5525	88	F00M991394	5660	94	230522	5389	83	237817	5528	89
F00M991219	5575	90	F00M991395	5445	85	230523	5396	84	238068	5527	88
F00M991220	5691	96	F00M991396	5410	84	230525	5573	90	238339	5510	87
F00M991221	5452	85	F00M991397	5384	83	230526	5498	87	238426	5410	84
F00M991229	5630	93	F00M991916	5452	85	230527	5466	86	238690	5454	85
F00M991231	5492	86	F00M991918	5456	86	231584	5423	84	238733	5575	90
F00M991232	5426	84	F00M991932	5514	88	231584	5467	86	238734	5492	86
F00M991234	5505	87	F00M991939	5452	85	232624	5395	84	239914	5561	89
F00M991238	5710	97	F00M992709	5605	92	233530	5456	86	330185	5601	91
F00M991240	5508	87	F00M992711	5387	83	233657	5403	84	330200	5562	89
F00M991241	5571	90	F00M992717	5390	83	233847	5574	90	330221	5440	85
F00M991241	6003	103	F00M992718	5590	91	233989	5500	87	330287	5528	89
F00M991246	5508	87	F00M992719	5596	91	233990	5460	86	330339	5512	88
F00M991246	5611	92	F00M992723	5423	84	234127	5450	85	330356	5504	87
F00M991247	5514	88	F00M992723	5467	86	234149	5437	85	330359	5613	92
F00M991248	5564	89	F00M992725	5532	89	234169	5458	86	330473	5565	89
F00M991250	5601	91	F00M992725	6012	103	234401	5429	85	330516	5584	90
F00M991252	5519	88	F00M992730	5627	93	234569	5374	83	330527	5609	92
F00M991255	5463	86	F00M992742	5697	96	234793	5461	86	330634	5591	91
F00M991260	5633	93	F00M992742	6014	103	234796	5463	86	330850	5502	87
F00M991264	5595	91	F00M992758	5663	95	235021	5431	85	330895	5580	90
F00M991265	5426	84	F00M992774	5599	91	235157	5408	84	330921	5532	89
F00M991266	5448	85	F00MA47700	5605	92	235331	5409	84	331742	5608	92
F00M991271	5450	85	F00MA47701	5458	86	235424	5511	88	331792	5559	89
F00M991273	5456	86	F00MA47704	5532	89	235439	5519	88	331925	5530	89
F00M991277	5697	96	F00MA47704	6012	103	235476	5506	87	332133	5567	90
F00M991277	6014	103	F00MA47706	5697	96	235478	5529	89	332290	5384	83
F00M991278	5605	92	F00MA47706	6014	103	235479	5495	87	332292	5381	83
F00M991281	5532	89	F00MA47723	5514	88	235494	5462	86	332293	5393	84
F00M991282	5649	94	F010LD1120	5409	84	235503	5457	86	332295	5380	83

Cargo	Nº ZEN	Pg.	Chrysler	Nº ZEN	Pg.	Dayco	Nº ZEN	Pg.	Denso	Nº ZEN	Pg.
332296	5410	84	04861506AE	6006	103	ALP2342	5388	83	0210101441	6006	103
332297	5379	83	4861506AE	5428	85	ALP2343	5379	83	0210400960	5573	90
332298	5516	88	4861506AF	5428	85	ALP2345	5389	83	0210400970	5516	88
332301	5410	84	4861506AF	6006	103	ALP2347	5419	84	0210401001	5559	89
332303	5403	84	04861506AG	5428	85	ALP2349	5396	84	0210401040	5559	89
332304	5460	86	04861506AG	6006	103	ALP2350	5448	85	0210401042	5559	89
332305	5450	85	4861513AA	5559	89	ALP2352	5432	85	0210401060	5650	94
332306	5461	86	4861513AB	5559	89	ALP2354	5395	84	0210401070	5567	90
332308	5463	86	4861513AC	5559	89	ALP2355	5425	84	0210401100	5588	91
332309	5462	86	4861513AD	5559	89	ALP2356	5431	85	0210401110	6013	103
332311	5449	85	4861513AE	5559	89	ALP2357	5450	85	0210401130	5428	85
332312	5464	86	04861638AA	6015	103	ALP2358	5449	85	0210401140	5573	90
332313	5527	88	04861638AB	6015	103	ALP2359	5495	87	0210401170	5428	85
332314	5454	85	04891737AB	5507	87	ALP2360	5426	84	0210401180	5559	89
332316	5440	85	04891737AB	6004	103	ALP2361	5437	85	0210401181	5559	89
332317	5378	83	4891767AB	6004	103	ALP2362	5458	86	0210401190	6013	103
332319	5377	83	05184136AB	6006	103	ALP2364	5663	95	0210401241	5428	85
332320	5396	84	05184692AB	5690	96	ALP2365	5494	86	0210401320	5428	85
332321	5437	85	51383490AA	5519	88	ALP2366	5461	86	0210401370	5521	88
332486	5428	85	053013554AB	6013	103	ALP2367	5374	83	0210401380	5781	100
333025	5423	84	053013554AC	6013	103	ALP2369	5562	89	0210401410	5588	91
333025	5467	86	053013554AD	6013	103	ALP2371	5492	86	0210401441	5428	85
333062	5503	87	53013554AD	5428	85	ALP2372	5527	88	0210401450	5428	85
333065	5582	90	053013554AE	6013	103	ALP2373	5390	83	0210401450	6013	103
333066	5562	89	53013554AE	5428	85	ALP2375	5409	84	0210401570	5496	87
333071	5589	91	53013579AA	5536	89	ALP2376	5411	84	0210401631	5570	90
333072	5605	92	53034049AA	5519	88	ALP2378	5377	83	0210401700	6018	103
333073	5590	91	68254601AA	5648	94	ALP2379	5463	86	0210401811	6006	103
333074	5697	96	A252C5221C	5520	88	ALP2380	5566	89	0210401840	6006	103
333081	5585	90	A252C5221C	6015	103	ALP2380	5632	93	0210401900	5648	94
333083	5396	84	104861513AE	5559	89	ALP2381	5529	89	0210402090	6006	103
333084	5680	95	K04861513AE	5559	89	ALP2382	5533	89	210402210	5695	96
333085	5592	91	<b>Citroën</b>	<b>Nº ZEN</b>	<b>Pg.</b>	ALP2383	5516	88	0210402290	5690	96
333087	5411	84	593527	5396	84	ALP2386	5445	85	0210402300	5711	97
333133	5574	90	1622780280	5800	101	ALP2387	5411	84	0210402340	5771	99
333134	5533	89	1635591980	5815	102	ALP2388	5563	89	0210402400	5635	93
333135	5576	90	9810856580	5800	101	ALP2389	5581	90	0210402410	5762	99
333136	5575	90	<b>Cobra</b>	<b>Nº ZEN</b>	<b>Pg.</b>	ALP2390	5396	84	0210402420	5762	99
333429	5732	98	2240	5492	86	ALP2416	5623	92	0210402560	5657	94
333433	5648	94	<b>Dayco</b>	<b>Nº ZEN</b>	<b>Pg.</b>	<b>Delphi</b>	<b>Nº ZEN</b>	<b>Pg.</b>	0210402680	5771	99
333436	5646	94	TA436	5663	95	220682	5529	89	710110750	5460	86
333453	6011	103	ALP2234	5383	83	10451570	5410	84	720110750	5460	86
333454	6002	103	ALP2325	5381	83	10453582	5410	84	0810200010	5578	90
333687	5716	97	ALP2326	5375	83	10484670	5498	87	0810200011	5578	90
335238	5740	98	ALP2328	5382	83	10493077	5649	94	1042103511	5501	87
D762D799	5410	84	ALP2329	5380	83	<b>Denso</b>	<b>Nº ZEN</b>	<b>Pg.</b>	1042103512	5501	87
<b>Chrysler</b>	<b>Nº ZEN</b>	<b>Pg.</b>	ALP2331	5387	83	8362516	5576	90	1042103761	5464	86
39555	5520	88	ALP2332	5376	83	021319130	5613	92	1042104880	6002	103
0210400990	6006	103	ALP2333	5384	83	021319131	5613	92	1210003841	5428	85
04861506AB	5428	85	ALP2335	5378	83	021319132	5613	92	1210003843	5428	85
04861506AB	6006	103	ALP2336	5392	84	55257677	5706	96	1210003846	5428	85
04861506AC	5428	85	ALP2337	5393	84	0210101130	6006	103	1210410580	5440	85
4861506AC	6006	103	ALP2338	5410	84	0210101170	6006	103	1210410580	6011	103
4861506AD	5428	85	ALP2339	5438	85	0210101320	6006	103	1210411140	5528	89
4861506AD	6006	103	ALP2340	5385	83	0210101440	6006	103	1210411241	5428	85

Denso	Nº ZEN	Pg.
1210411440	5654	94
1210411450	6013	103
1210411590	5727	98
1210411990	5655	94
1210412050	5706	96
1210412370	5706	96
4210000141	5428	85
4210000142	5428	85
8980337360	5526	88
TN020102090	6006	103
MS1210411140	5528	89
Febi	Nº ZEN	Pg.
11701	5381	83
14045	5377	83
14064	5383	83
14997	5426	84
15090	5379	83
15153	5411	84
15154	5393	84
15155	5410	84
15156	5438	85
15157	5411	84
15158	5445	85
15165	5377	83
15184	5392	84
15252	5382	83
15254	5380	83
15256	5446	85
15258	5387	83
15260	5376	83
15262	5378	83
15264	5385	83
15274	5388	83
21683	5395	84
21684	5461	86
21685	5574	90
24179	5389	83
24413	5437	85
26958	5533	89
27836	5396	84
27839	5563	89
27840	5566	89
27841	5510	87
28387	5529	89
30029	5449	85
31541	5528	89
31729	5456	86
31743	5458	86
32297	5532	89
Fiat	Nº ZEN	Pg.
9948225	5379	83
9948225	5642	93
9948513	5576	90
9949129	5576	90
9949580	5388	83

Fiat	Nº ZEN	Pg.
9949627	5437	85
9951269	5576	90
46441617	5560	89
51860757	5730	98
55186280	5449	85
55196301	5642	93
77362558	5450	85
77362721	5449	85
77363303	5437	85
77363565	5508	87
77363948	5528	89
77363954	6009	103
77364082	5580	90
77364616	5654	94
77364721	6011	103
77364723	5440	85
77364797	5604	92
77364965	5727	98
83616850	5560	89
504088796	5663	95
6013887857	5560	89
Flenor	Nº ZEN	Pg.
FGF0002	5428	85
FGF0056	5559	89
Ford	Nº ZEN	Pg.
1883806	5807	101
2179006	5807	101
2415106	5807	101
2423315	5807	101
2438699	5807	101
3395459	5438	85
VP2M5UAA	5524	88
CJ5Z10344A	5690	96
CM5Z10344C	5785	100
CM5Z10344D	5772	99
CP9Z10344A	5772	99
CV6Z10344A	5780	100
DA8Z10344B	5711	97
F32Z10344B	5438	85
5M5Q10344AA	5462	86
5M5Q10344AB	5462	86
DS7T10300KE	5807	101
E1GT10300BC	5807	101
JX6T10300KA	5807	101
KK3T10300BB	5807	101
YC1U10352BA	5408	84
1S7U10A352DB	5429	85
2C1U10A352BA	5408	84
6G9N10D311AA	5686	96
6G9N10D311AB	5686	96
9M5Q10A352AA	5648	94
AM5Q10A352AA	5646	94
AV6Q10A352BA	5801	101
CJ5G10A352BA	5690	96
CM5E10A352CB	5785	100

Ford	Nº ZEN	Pg.
CM5Q10A352AA	5719	97
CN1Q10A352AA	5664	95
CV6E10A352AA	5780	100
D8AE10A352BA	5711	97
DA8E10A352BA	5711	97
DS7Q10A352DB	5807	101
GN1510A352AA	5798	101
GN1510A352BA	5819	102
KK3T10300AAB	5807	101
KS7T10300BAA	5807	101
L1TT10300BAA	5807	101
XW4U10A352AA	5438	85
YC1U10A352BA	5403	84
YM2E10N356AA	5438	85
BRK7B510A352AA	5721	97
VP3W3U10A352AA	5497	87
Gates	Nº ZEN	Pg.
37013P	5697	96
37172P	5761	99
37182P	5716	97
OAP7013	5378	83
OAP7015	5428	85
OAP7017	5502	87
OAP7030	5437	85
OAP7031	5455	86
OAP7032	5576	90
OAP7033	5380	83
OAP7034	5396	84
OAP7035	5532	89
OAP7036	5426	84
OAP7037	5454	85
OAP7039	5396	84
OAP7039	5449	85
OAP7040	5381	83
OAP7041	5382	83
OAP7043	5389	83
OAP7044	5448	85
OAP7046	5463	86
OAP7047	5383	83
OAP7048	5379	83
OAP7049	5410	84
OAP7051	5462	86
OAP7052	5528	89
OAP7054	5456	86
OAP7055	5410	84
OAP7056	5461	86
OAP7057	5395	84
OAP7059	5516	88
OAP7060	5393	84
OAP7061	5388	83
OAP7061	5392	84
OAP7062	5508	87
OAP7063	5511	88
OAP7064	5510	87
OAP7065	5494	86

Gates	Nº ZEN	Pg.
OAP7066	5425	84
OAP7067	5384	83
OAP7069	5403	84
OAP7070	5638	93
OAP7071	5527	88
OAP7072	5377	83
OAP7073	5460	86
OAP7074	5641	93
OAP7075	5390	83
OAP7076	5376	83
OAP7077	5453	85
OAP7078	5503	87
OAP7079	5411	84
OAP7080	5450	85
OAP7081	5410	84
OAP7082	5432	85
OAP7083	5559	89
OAP7084	5633	93
OAP7085	5438	85
OAP7086	5581	90
OAP7087	5632	93
OAP7088	5530	89
OAP7089	5411	84
OAP7090	5493	86
OAP7091	5496	87
OAP7092	5644	93
OAP7093	5466	86
OAP7094	5431	85
OAP7096	5387	83
OAP7097	5663	95
OAP7098	5445	85
OAP7102	5385	83
OAP7105	5524	88
OAP7106	5423	84
OAP7106	5467	86
OAP7109	5523	88
OAP7110	5492	86
OAP7111	5458	86
OAP7116	5424	84
OAP7139	5602	91
OAP7147	5603	92
OAP7152	5728	98
OAP7153	5730	98
OAP7163	5727	98
General Motors/	Nº ZEN	Pg.
1051565	5688	96
2601499	5687	96
2601499	6026	103
09195337	5455	86
12626060	5762	99
12638803	5455	86
12645462	5762	99
12655284	5771	99
12660100	5771	99
12665786	5781	100

General Motors/	Nº ZEN	Pg.
13258483	5623	92
13266813	5590	91
13285531	5596	91
13577700	5818	102
13582936	5374	83
13585670	5791	100
22732028	5521	88
24582666	5374	83
24585484	5374	83
2548266A	5687	96
2548266A	6026	103
2548266B	5687	96
2548266B	6026	103
2548266C	5687	96
2548266C	6026	103
2548266D	5687	96
2548266D	6026	103
2548266E	5687	96
2548266E	6026	103
2601499A	5687	96
2601499A	6026	103
2601628A	5687	96
2601628B	5687	96
55352897	5530	89
55497887	5776	99
55558734	5611	92
55560294	5641	93
55564350	5532	89
55565443	5624	92
55566587	5626	92
55567913	5781	100
55567951	5622	92
55568459	5625	92
55571966	5532	89
55571966	6012	103
55579927	5628	93
55580127	5628	93
61895226	5508	87
61895226	6007	103
93170214	5455	86
93172295	5508	87
93172295	6007	103
93175986	5674	95
93178273	5449	85
93178273	6009	103
93182514	5576	90
93185282	5440	85
93185744	5590	91
93190867	5432	85
93192215	5440	85
93192631	5449	85
93192631	6009	103
93297735	5374	83
93387684	5435	85
94745272	5535	89

General Motors/	Nº ZEN	Pg.
95519914	5791	100
95519915	5791	100
97186700	5454	85
97355778	5454	85
Hitachi	Nº ZEN	Pg.
GD115070	5649	94
GD115071	5595	91
GD115958	5739	98
GD216009	5500	87
GD217756	5649	94
GD218089	5454	85
GD218509	5715	97
GD218752	5782	100
GD218964	5783	100
LR945903	5783	100
GD2155541	5431	85
GD2160092	5500	87
GD2160093	5500	87
GD2180891	5454	85
L110G7500	5500	87
Honda	Nº ZEN	Pg.
3114159BJ01	5767	99
311415A2A01	5683	96
311415X6J01	5779	100
31141RBDE02	5591	91
31141RL0G01	5598	91
31141RV0A01	5733	98
Hutchinson	Nº ZEN	Pg.
DB0261	5432	85
DB0267	5456	86
D7512RA	5423	84
D7512RA	5467	86
Hyundai	Nº ZEN	Pg.
27500	5578	90
27501	5578	90
K406643	5680	95
K406701	5459	86
21319110	5460	86
252902A000	5763	99
3730004070	5716	97
3730004630	5716	97
3730004635	5716	97
3730004950	5716	97
3730004970	5716	97
373002B770	5716	97
373002B910	5716	97
373002E321	5716	97
373002E821	5716	97
3732003500	5731	98
3732003600	5731	98
373202B000	5716	97
373202B050	5716	97
373202E000	5716	97
3732125201	5680	95
3732125301	5613	92

Hyundai	Nº ZEN	Pg.
373212A700	5793	101
373213A010	5722	97
373213C150	5572	90
373214A000	5459	86
3732204330	5659	94
3732204630	5716	97
3732204950	5716	97
3732227010	5460	86
3732227012	5460	86
3732227020	5661	94
3732227500	5578	90
3732227501	5578	90
373222F000	5593	91
373222G500	5594	91
373224A300	5592	91
373224A310	5592	91
373224A320	5713	97
373224A321	5713	97
5021040108	5578	90
IAT	Nº ZEN	Pg.
25141	5383	83
39337	5569	90
39555	5520	88
391027	5571	90
IKA	Nº ZEN	Pg.
35441	5680	95
335151	5384	83
335161	5383	83
335171	5381	83
335211	5387	83
335231	5446	85
335241	5411	84
335251	5390	83
335271	5388	83
335281	5431	85
335291	5393	84
335311	5410	84
335331	5410	84
335341	5438	85
335351	5573	90
335361	5426	84
335371	5498	87
335391	5516	88
335401	5379	83
335411	5380	83
335431	5411	84
335451	5515	88
335461	5389	83
335471	5445	85
335481	5385	83
335491	5419	84
335551	5409	84
335561	5466	86
335571	5395	84
335581	5374	83

IKA	Nº ZEN	Pg.
335601	5529	89
335611	5651	94
335621	5403	84
335631	5506	87
335641	5460	86
335681	5461	86
335690	5738	98
335711	5455	86
335721	5508	87
335731	5450	85
335740	5681	95
335761	5426	84
335791	5453	85
335801	5449	85
335821	5495	87
335831	5500	87
335841	5456	86
335871	5375	83
335881	5408	84
335891	5459	86
335901	5429	85
335921	5530	89
335931	5462	86
335941	5428	85
335961	6011	103
353011	5396	84
353021	5526	88
353071	5410	84
353081	5424	84
353091	5523	88
353101	5525	88
353141	5463	86
353151	5560	89
353171	5462	86
353181	5533	89
353231	5493	86
353261	5492	86
353271	5519	88
353281	5454	85
353311	5457	86
353321	5511	88
353331	5562	89
353351	5566	89
353361	5504	87
353381	5452	85
353401	5575	90
353410	5691	96
353421	5630	93
353431	5505	87
353441	5514	88
353451	5574	90
353460	5737	98
353481	5563	89
353490	5783	100
353491	5783	100

IKA	Nº ZEN	Pg.
353520	5782	100
353531	5527	88
353541	5524	88
353551	5496	87
353561	5578	90
353571	5528	89
353581	5512	88
353621	5576	90
353631	5571	90
353641	5559	89
353661	5510	87
353671	5561	89
353691	5564	89
353701	5534	89
353721	5686	96
353731	5654	94
353741	5581	90
353760	5678	95
353781	5502	87
353791	5509	87
353801	5611	92
353821	5513	88
353841	5580	90
353901	5440	85
353941	5567	90
353961	5501	87
353971	5464	86
354041	5532	89
354111	5607	92
354121	5507	87
354151	5503	87
354191	5565	89
354231	5613	92
354251	5501	87
354260	5724	97
354301	5589	91
354311	5605	92
354351	5629	93
354361	5588	91
354381	5590	91
354391	5602	91
354411	5680	95
354421	5646	94
354491	5591	91
354531	5603	92
354541	5582	90
354551	5610	92
354561	5604	92
354621	5608	92
354631	5592	91
354641	5596	91
354651	5627	93
354661	5585	90
354671	5595	91
354691	5499	87

IKA	Nº ZEN	Pg.
354701	5598	91
354711	5597	91
354731	5609	92
354741	5628	93
354751	5586	91
354761	5601	91
354771	5599	91
354791	5593	91
354801	5614	92
354811	5626	92
354821	5625	92
354851	5655	94
354891	5658	94
354921	5784	100
354941	5716	97
355031	5769	99
355111	5719	97
33586 1	5437	85
33591 1	5458	86
354060031	5697	96
INA	Nº ZEN	Pg.
F225355	5381	83
F226387	5529	89
F226804	5383	83
F226954	5411	84
F227628	5378	83
F228215	5377	83
F228618	5392	84
F228751	5431	85
F229603	5396	84
F229974	5438	85
F230051	5573	90
F230147	5385	83
F230147	5676	95
F230209	5409	84
F230283	5651	94
F230401	5426	84
F230753	5498	87
F230759	5411	84
F230846	5388	83
F230866	5642	93
F231108	5516	88
F231142	5448	85
F231618	5466	86
F232353	5454	85
F232369	5675	95
F232600	5419	84
F233197	5395	84
F233525	5515	88
F233591	5497	87
F233593	5374	83
F233608	5462	86
F233834	5738	98
F233970	5460	86
F234065	5650	94

INA	Nº ZEN	Pg.
F234359	5506	87
F234637	5432	85
F234739	5632	93
F235492	5457	86
F235931	5524	88
F235968	5463	86
F236001	5527	88
F236127	5494	86
F236151	5536	89
F236528	5458	86
F236566	5456	86
F236716	5435	85
F237045	5638	93
F237401	5499	87
F237481	5495	87
F237653	5533	89
F237985	5518	88
F238005	5410	84
F238120	5523	88
F238163	5511	88
F238206	5722	97
F238215	5651	94
F238216	5738	98
F238822	5528	89
F239356	5566	89
F239662	5529	89
F239807	5623	92
F239808	5581	90
F239809	5574	90
F239973	5510	87
F240113	5454	85
F240138	5385	83
F240139	5493	86
F240423	5681	95
F550213	5575	90
F550371	5691	96
F550379	5670	95
F550395	5737	98
F550426	5678	95
F550532	5663	95
F550879	5783	100
F550883	5585	90
F551034	5715	97
F551357	5385	83
F551357	5505	87
F551759	5782	100
F551893	5769	99
F552296	5738	98
F552305	5584	90
F552562	5612	92
F552699	5380	83
F552714	5597	91
F552861	5611	92
F553099	5426	84
F553240	5590	91

INA	Nº ZEN	Pg.
F553322	5641	93
F553392	5634	93
F553393	5504	87
F553448	5564	89
F553470	5378	83
F553857	5574	90
F554710	5640	93
F554755	5569	90
F554766	5580	90
F556058	5718	97
F556311	5602	91
F556500	5663	95
F556599	5389	83
F556602	5410	84
F556614	5457	86
F556615	5429	85
F557045	5582	90
F557311	5673	95
F557564	5668	95
F557755	5423	84
F557755	5467	86
F557928	5440	85
F558333	5610	92
F558404	5408	84
F558553	5650	94
F558658	5605	92
F559320	5395	84
F559321	5565	89
F559401	5735	98
F559569	5627	93
F559585	5410	84
F559894	5604	92
F560201	5593	91
F560565	5643	93
F560671	5599	91
F560843	5410	84
F560968	5587	91
F560998	5667	95
F561464	5562	89
F561899	5614	92
F561957	5589	91
F563248	5623	92
F563424	5622	92
F563425	5727	98
F563432	5736	98
F563515	5598	91
F563771	5662	95
F563788	5726	98
F563795	5603	92
F563945	5624	92
F564313	5677	95
F564321	5626	92
F564626	5625	92
F565232	5777	100
F567525	5567	90

INA	Nº ZEN	Pg.	INA	Nº ZEN	Pg.	INA	Nº ZEN	Pg.	INA	Nº ZEN	Pg.
F567535	5594	91	F603800	5805	101	F2293636	5410	84	F2336082	5462	86
F568796	5739	98	F604438	5656	94	F2293637	5410	84	F2336083	5462	86
F568860	5645	93	F606110	5793	101	F2293639	5410	84	F2339703	5460	86
F568861	5501	87	F606293	5586	91	F2296031	5396	84	F2339704	5460	86
F570114	5770	99	F607137	5795	101	F2296032	5437	85	F2339705	5460	86
F570680	5464	86	F607489	5707	96	F2296033	5437	85	F2343593	5506	87
F570753	5424	84	F612719	5787	100	F2296034	5396	84	F2346371	5432	85
F570802	5623	92	F613451	5774	99	F2296035	5396	84	F2346374	5432	85
F570870	5652	94	F615151	5808	101	F2296036	5437	85	F2354492	5649	94
F572716	5493	86	F620306	5712	97	F2296037	5437	85	F2354921	5457	86
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F576346	5493	86	F2253557	5381	83	F2296437	5410	84	F2359686	5463	86
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F577217	5804	101	F2256434	5375	83	F2299744	5438	85	F2359688	5463	86
F577572	5511	88	F2256435	5375	83	F2299745	5438	85	F2359689	5463	86
F577572	5612	92	F2256436	5375	83	F2303292	5410	84	F2360711	5583	90
F578280	5810	102	F2256437	5375	83	F2303294	5410	84	F2361271	5494	86
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F580007	5622	92	F2256439	5375	83	F2307531	5498	87	F2361273	5494	86
F580053	5657	94	F2256442	5377	83	F2307533	5498	87	F2361274	5494	86
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F580452	5635	93	F2256445	5377	83	F2308252	5445	85	F2361276	5494	86
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F583172	5630	93	F2263214	5446	85	F2320018	5461	86	F2371012	5449	85
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F586614	5817	102	F2263224	5387	83	F2322881	5500	87	F2374812	5495	87
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F587281	5774	99	F2263227	5387	83	F2322883	5500	87	F2385125	5492	86
F587370	5659	94	F2263228	5387	83	F2323531	5454	85	F2399122	5496	87
F587371	5716	97	F2263877	5529	89	F2323694	5450	85	F2399123	5496	87
F587493	5614	92	F2269543	5411	84	F2323695	5450	85	F2401381	5385	83
F587627	5601	91	F2269544	5411	84	F2323697	5450	85	F2401391	5493	86
F587936	5816	102	F2269545	5411	84	F2323698	5450	85	F2401392	5493	86
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F588421	5658	94	F2269625	5422	84	F2327743	5459	86	F2401394	5493	86
F588422	5661	94	F2269628	5422	84	F2327744	5459	86	F5501814	5423	84
F588627	5791	100	F2284112	5526	88	F2327745	5459	86	F5501814	5467	86
F588650	5806	101	F2286184	5392	84	F2328543	5429	85	F5501815	5423	84
F589191	5773	99	F2286185	5392	84	F2328546	5429	85	F5501815	5467	86
F600037	5729	98	F2287512	5431	85	F2331061	5578	90	F5533931	5504	87
F600038	5694	96	F2287513	5431	85	F2331972	5395	84	F5533932	5504	87
F600396	5796	101	F2288241	5393	84	F2331973	5395	84	F5547652	5498	87
F600915	5659	94	F2288244	5393	84	F2331974	5395	84	F5547653	5498	87
F601582	5775	99	F2288246	5393	84	F2331975	5395	84	F5562342	5519	88
F601835	5572	90	F2288247	5393	84	F2335931	5374	83	F5566021	5410	84
F602157	5792	100	F2288249	5393	84	F2335932	5374	83	535021010	6014	103
F602952	5815	102	F2293635	5410	84	F2336081	5462	86	535031610	5507	87

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F22535511	5381	83	F22782008	5425	84	F23014702	5385	83	F23200107	5461	86
F22564310	5375	83	F22782009	5425	84	F23014703	5385	83	F23200108	5461	86
F22564311	5375	83	F22782010	5425	84	F23014704	5385	83	F23200109	5461	86
F22564312	5375	83	F22782012	5425	84	F23014705	5385	83	F23203002	5574	90
F22564313	5375	83	F22782013	5425	84	F23020903	5409	84	F23203003	5574	90
F22564407	5377	83	F22782014	5660	94	F23020904	5409	84	F23203004	5574	90
F22565306	5380	83	F22821501	5377	83	F23028301	5681	95	F23203005	5574	90
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F22565310	5380	83	F22821504	5377	83	F23032902	5410	84	F23203009	5574	90
F22565311	5380	83	F22841102	5526	88	F23032904	5410	84	F23203010	5574	90
F22565312	5382	83	F22841104	5526	88	F23040102	5426	84	F23203011	5574	90
F22565313	5382	83	F22861807	5392	84	F23040103	5426	84	F23203012	5574	90
F22632112	5446	85	F22875102	5431	85	F23040106	5426	84	F23228801	5500	87
F22632204	5387	83	F22875103	5431	85	F23040107	5426	84	F23228802	5500	87
F22632205	5387	83	F22875106	5431	85	F23040108	5426	84	F23228803	5500	87
F22632206	5376	83	F22875107	5431	85	F23040109	5426	84	F23235303	5454	85
F22632207	5387	83	F22882401	5393	84	F23075301	5498	87	F23236902	5675	95
F22632209	5376	83	F22882404	5393	84	F23075303	5498	87	F23236903	5675	95
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F22638709	5529	89	F22936305	5410	84	F23084603	5388	83	F23277401	5459	86
F22638710	5529	89	F22936306	5410	84	F23084604	5388	83	F23277403	5459	86
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F22655606	5384	83	F22960302	5437	85	F23086603	5642	93	F23285403	5429	85
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F22680407	5383	83	F22960310	5396	84	F23086610	5379	83	F23319701	5395	84
F22680408	5383	83	F22960311	5396	84	F23086611	5379	83	F23319702	5395	84
F22680409	5383	83	F22960312	5437	85	F23086612	5642	93	F23319703	5395	84
F22695405	5411	84	F22960313	5437	85	F23086614	5642	93	F23319704	5395	84
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F22707905	5390	83	F22960315	5437	85	F23110802	5516	88	F23337901	5534	89
F22707906	5390	83	F22960316	5437	85	F23114201	5448	85	F23337902	5534	89
F22762804	5378	83	F22964303	5410	84	F23114205	5448	85	F23352501	5515	88
F22762805	5378	83	F22964304	5410	84	F23114208	5448	85	F23352504	5515	88
F22762806	5378	83	F22964307	5410	84	F23161801	5466	86	F23352505	5515	88
F22762807	5378	83	F22964310	5410	84	F23161802	5466	86	F23359102	5497	87
F22762810	5378	83	F22964311	5410	84	F23161803	5640	93	F23359303	5374	83
F22762811	5378	83	F22997403	5419	84	F23161804	5466	86	F23359304	5374	83
F22762812	5378	83	F22997404	5438	85	F23161805	5466	86	F23359305	5374	83
F22782004	5660	94	F22997405	5438	85	F23161806	5640	93	F23360801	5462	86
F22782005	5660	94	F23005102	5573	90	F23200102	5461	86	F23360802	5462	86
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F23397002	5460	86	F23659105	5629	93	F23997301	5510	87	F55140603	5514	88
F23397003	5460	86	F23659106	5453	85	F23997302	5510	87	F55140604	5514	88
F23397004	5460	86	F23659107	5629	93	F23997303	5510	87	F55140605	5514	88
F23397005	5460	86	F23667502	5562	89	F23997304	5510	87	F55140607	5514	88
F23435903	5506	87	F23667503	5562	89	F23997305	5510	87	F55140608	5514	88
F23456301	5674	95	F23667504	5562	89	F24002601	5680	95	F55162301	5595	91
F23456302	5674	95	F23704502	5638	93	F24002602	5680	95	F55165701	5563	89
F23456303	5674	95	F23710101	5449	85	F24002603	5680	95	F55165702	5563	89
F23456304	5674	95	F23710103	5449	85	F24002604	5680	95	F55165703	5563	89
F23463704	5432	85	F23710104	5449	85	F24002605	5680	95	F55165704	5563	89
F23473903	5632	93	F23740101	5499	87	F24002609	5680	95	F55165705	5563	89
F23473904	5632	93	F23748101	5495	87	F24002611	5680	95	F55201601	5506	87
F23473905	5632	93	F23748102	5495	87	F24011301	5454	85	F55201603	5506	87
F23544903	5649	94	F23800502	5410	84	F24013801	5385	83	F55230501	5584	90
F23544904	5649	94	F23812001	5523	88	F24013802	5385	83	F55238601	5607	92
F23544905	5649	94	F23812002	5523	88	F24013803	5385	83	F55256101	5740	98
F23549202	5457	86	F23816301	5511	88	F24013901	5493	86	F55256103	5740	98
F23593102	5524	88	F23816302	5511	88	F24013902	5493	86	F55256201	5511	88
F23593103	5524	88	F23816303	5511	88	F24013903	5493	86	F55256201	5612	92
F23596801	5463	86	F23816304	5511	88	F24013904	5493	86	F55269901	5380	83
F23596803	5463	86	F23820602	5722	97	F24013905	5493	86	F55269902	5380	83
F23596805	5463	86	F23820603	5722	97	F55018103	5423	84	F55269903	5380	83
F23596806	5463	86	F23820604	5722	97	F55018103	5467	86	F55271401	5597	91
F23596807	5463	86	F23821501	5651	94	F55018104	5423	84	F55271402	5597	91
F23596808	5463	86	F23821502	5651	94	F55018104	5467	86	F55290101	5644	93
F23596809	5463	86	F23821503	5651	94	F55018105	5423	84	F55290102	5644	93
F23596810	5463	86	F23821601	5738	98	F55018105	5467	86	F55290103	5644	93
F23600101	5527	88	F23851202	5492	86	F55021301	5525	88	F55290104	5644	93
F23600102	5527	88	F23851203	5492	86	F55021302	5575	90	F55290105	5644	93
F23607102	5583	90	F23851205	5492	86	F55021303	5525	88	F55290106	5644	93
F23607103	5583	90	F23851206	5492	86	F55021304	5525	88	F55290107	5644	93
F23607104	5583	90	F23882201	5528	89	F55021306	5630	93	F55292301	5426	84
F23607105	5583	90	F23882202	5528	89	F55021307	5525	88	F55309901	5426	84
F23607106	5583	90	F23882304	5797	101	F55021308	5575	90	F55324001	5590	91
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F23607108	5583	90	F23891801	5590	91	F55021310	5525	88	F55339201	5634	93
F23612701	5494	86	F23891802	5590	91	F55021311	5575	90	F55339301	5504	87
F23612702	5494	86	F23935601	5566	89	F55037101	5691	96	F55339302	5504	87
F23612703	5494	86	F23935602	5566	89	F55037901	5670	95	F55347001	5378	83
F23612704	5494	86	F23935603	5566	89	F55037902	5512	88	F55347002	5378	83
F23612705	5494	86	F23966201	5529	89	F55037903	5670	95	F55347004	5378	83
F23612706	5494	86	F23977901	5631	93	F55037904	5670	95	F55347005	5378	83
F23652801	5458	86	F23977902	5631	93	F55039501	5737	98	F55347006	5378	83
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F23652803	5458	86	F23980801	5581	90	F55042601	5678	95	F55347008	5378	83
F23652804	5458	86	F23980802	5581	90	F55048701	5655	94	F55385702	5574	90
F23652806	5458	86	F23980803	5581	90	F55053201	5663	95	F55385703	5574	90
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F23656601	5456	86	F23980805	5581	90	F55088301	5585	90	F55385705	5574	90
F23656602	5456	86	F23980806	5581	90	F55088302	5585	90	F55385706	5574	90
F23656603	5456	86	F23980901	5574	90	F55103401	5715	97	F55385708	5574	90
F23659101	5453	85	F23980903	5574	90	F55135701	5385	83	F55385709	5574	90
F23659102	5453	85	F23991201	5496	87	F55135701	5505	87	F55400702	5633	93
F23659102	5629	93	F23991202	5496	87	F55140601	5514	88	F55400703	5633	93
F23659104	5453	85	F23991203	5496	87	F55140602	5514	88	F55405301	5576	90



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F55471001	5640	93
F55475501	5569	90
F55476502	5498	87
F55476503	5498	87
F55476601	5580	90
F55601401	5586	91
F55601402	5586	91
F55617401	5452	85
F55623401	5519	88
F55623402	5519	88
F55650001	5663	95
F55650002	5663	95
F55653301	5565	89
F55659901	5389	83
F55660201	5410	84
F55661401	5457	86
F55661501	5679	95
F55704501	5582	90
F55792801	5440	85
F55843202	5654	94
F55865801	5605	92
F55865802	5605	92
F55932001	5395	84
F55958501	5410	84
F56067102	5599	91
F56195703	5589	91
F56195704	5589	91
F56233101	5596	91
F56324801	5623	92
F56324802	5623	92
F56324803	5628	93
F56342401	5622	92
F56342402	5622	92
F56753501	5594	91
F56753502	5594	91
F56753503	5594	91
F56886101	5501	87
F56886102	5501	87
F57334101	5714	97
F57828001	5810	102
F58005301	5657	94
F58005302	5657	94
F58005303	5657	94
F58191602	5706	96
F58324201	5803	101
F58801601	5742	98
F62123601	5794	101
Isuzu	Nº ZEN	Pg.
8972293660	5526	88
8980337360	5526	88
Jeep	Nº ZEN	Pg.
05019860AA	5650	94
John Deere	Nº ZEN	Pg.
L12669	5534	89

John Deere	Nº ZEN	Pg.
362D08C	5534	89
L112969	5534	89
AL156091	5534	89
AL161112	5534	89
AL166836	5534	89
KDAC	Nº ZEN	Pg.
222588	5622	92
222598	5624	92
Kia	Nº ZEN	Pg.
406607	5459	86
720110800	5640	93
OK55418W11	5466	86
3730003AA0	5716	97
3730003AB0	5716	97
3730003AC0	5716	97
3730003BA5	5716	97
3730004070	5716	97
3730004630	5716	97
3730004635	5716	97
3730004950	5716	97
3730004970	5716	97
373002B770	5716	97
373002B910	5716	97
373002E321	5716	97
373002E821	5716	97
373202B000	5716	97
373202E000	5716	97
373202G700	5765	99
373212A700	5793	101
373214X210	5466	86
373214X300	5466	86
373214X301	5466	86
3732204630	5716	97
3732204950	5716	97
3732227010	5460	86
3732227012	5460	86
373222F000	5593	91
373222G500	5594	91
373224A000	5459	86
373224A001	5459	86
373224A300	5592	91
373224A310	5592	91
373224X000	5466	86
OK55218300B	5466	86
Koyo	Nº ZEN	Pg.
DCA1834IR	5501	87
WCPN36RCX	5464	86
WCPN36RDX	5464	86
Lancia	Nº ZEN	Pg.
9948225	5642	93
9948513	5576	90
9949129	5576	90
9949627	5437	85
9951269	5576	90
77363303	5437	85

Land Rover	Nº ZEN	Pg.
LR001470	5686	96
LR001974	5686	96
LR004305	5686	96
Lester	Nº ZEN	Pg.
9057	5578	90
11109	5521	88
11115	5520	88
11236	5571	90
11254	5385	83
11378	5570	90
11460	5505	87
13873CP	5536	89
79202137	5409	84
79202223	5493	86
79909045	5516	88
79909052	5503	87
795092280	5499	87
Lexus	Nº ZEN	Pg.
274150W030	5809	102
274150W031	5809	102
274150W170	5696	96
274150W220	5809	102
274150Y030	5572	90
274150Y100	5572	90
2741547050	5572	90
Litens	Nº ZEN	Pg.
49908	5687	96
49908	6026	103
222562	5374	83
600615	6013	103
600693	5449	85
600693	6009	103
600720	6013	103
600726	6005	103
600731	6010	103
600752	5428	85
600789	6011	103
600796	5508	87
600801	5710	97
600802	6002	103
600810	6004	103
600834	6006	103
600856	5532	89
600856	6012	103
600999	5646	94
700006	5801	101
920004	5406	84
920006	5801	101
920015	5716	97
920016	5763	99
920019	5716	97
920020	5772	99
920021	5785	100
920024	5780	100
920025	5683	96

Litens	Nº ZEN	Pg.
920026	5765	99
920027	5711	97
920028	5690	96
920030	5762	99
920031	5762	99
920034	5771	99
920035	5820	102
920037	5779	100
920039	5731	98
920040	5781	100
920046	5729	98
920050	5716	97
920054	5507	87
920058	5767	99
920061	5696	96
920135	5697	96
920444	5719	97
920484	5732	98
920501	5455	86
920538	6006	103
920574	5403	84
920583	5408	84
920599	5559	89
920606	5462	86
920615	6013	103
920620	5807	101
920629	5508	87
920629	6007	103
920650	5534	89
920663	5784	100
920667	5687	96
920667	6026	103
920685	6006	103
920693	5449	85
920693	6009	103
920717	5784	100
920720	5428	85
920720	6013	103
920725	5800	101
920726	5503	87
920726	6005	103
920731	5561	89
920731	6010	103
920746	5778	100
920746	6027	104
920752	5428	85
920755	5530	89
920762	5521	88
920768	5520	88
920768	6015	103
920782	5688	96
920789	5440	85
920789	6011	103
920796	5508	87
920797	5571	90

Litens	Nº ZEN	Pg.
920797	6003	103
920801	5710	97
920802	5502	87
920802	6002	103
920803	5686	96
920810	5507	87
920810	6004	103
920814	5809	102
920818	5741	98
920833	5705	96
920833	6001	103
920834	5428	85
920834	6006	103
920843	5786	100
920844	5685	96
920844	6018	103
920851	5697	96
920851	6014	103
920856	5532	89
920856	6012	103
920892	5743	99
920893	6006	103
920905	5684	96
920906	6006	103
920907	5762	99
920915	5682	95
920916	5648	94
920931	5761	99
920954	5503	87
920954	6005	103
920971	6006	103
920972	5690	96
920979	5730	98
920993	5733	98
920999	5646	94
921703	5574	90
1000358	5729	98
1000555	5697	96
1000555	6014	103
1000847	5729	98
1003808	5646	94
1008725	5800	101
1010046	5729	98
1013663	5784	100
1013776	5697	96
1013776	6014	103
111020A	5462	86
600834A	6006	103
920021A	5785	100
920025A	5683	96
920028A	5690	96
920050A	5716	97
920667A	5687	96
920667A	6026	103
920746A	5778	100

Litens	Nº ZEN	Pg.
920746A	6027	104
920810A	6004	103
920833A	5705	96
920905A	5684	96
920906A	6006	103
TN0210402350	5708	97
Luk	Nº ZEN	Pg.
535000110	5381	83
535000210	5375	83
535000310	5377	83
535000410	5382	83
535000510	5380	83
535000610	5446	85
535000710	5387	83
535000810	5376	83
535000910	5384	83
535001010	5383	83
535001110	5411	84
535001210	5378	83
535001310	5377	83
535001410	5392	84
535001510	5393	84
535001610	5410	84
535001710	5438	85
535001810	5385	83
535001910	5426	84
535002010	5411	84
535002110	5445	85
535002210	5388	83
535002310	5379	83
535002410	5516	88
535002510	5515	88
535002610	5390	83
535002810	5389	83
535003010	5410	84
535003110	5573	90
535003210	5409	84
535003310	5498	87
535003410	5466	86
535003510	5419	84
535003610	5632	93
535003710	5506	87
535003810	5526	88
535003910	5396	84
535004110	5448	85
535004210	5461	86
535004310	5578	90
535004410	5500	87
535004510	5574	90
535004610	5460	86
535004710	5660	94
535004810	5432	85
535004910	5527	88
535005010	5395	84
535005110	5529	89

Luk	Nº ZEN	Pg.
535005210	5425	84
535005310	5431	85
535005410	5651	94
535005510	5681	95
535005610	5422	84
535005910	5450	85
535006010	5374	83
535006110	5650	94
535006210	5453	85
535006310	5449	85
535006310	6009	103
535006410	5495	87
535006510	5454	85
535006810	5738	98
535007030	5403	84
535007130	5508	87
535007130	6007	103
535007210	5426	84
535007310	5437	85
535007410	5429	85
535007510	5456	86
535007610	5574	90
535007710	5375	83
535007810	5651	94
535007910	5459	86
535008010	5562	89
535008110	5492	86
535008210	5458	86
535008310	5649	94
535008410	5494	86
535008510	5674	95
535008610	5463	86
535008710	5638	93
535008810	5523	88
535008910	5525	88
535009010	5457	86
535009110	5782	100
535009210	5783	100
535009310	5715	97
535009410	5511	88
535009510	5493	86
535009610	5385	83
535009710	5640	93
535009810	5462	86
535009910	5519	88
535010010	5524	88
535010110	5574	90
535010210	5575	90
535010310	5663	95
535010410	5737	98
535010510	5423	84
535010510	5467	86
535010610	5691	96
535010710	5496	87
535010810	5566	89

Luk	Nº ZEN	Pg.
535010910	5670	95
535011010	5578	90
535011110	5563	89
535011210	5528	89
535011310	5505	87
535011410	5512	88
535011510	5576	90
535011610	5676	95
535011710	5423	84
535011710	5467	86
535011810	5533	89
535012010	5408	84
535012110	5634	93
535012210	5590	91
535012310	5630	93
535012410	5514	88
535012510	5504	87
535012710	5410	84
535012810	5452	85
535012910	5510	87
535013010	5631	93
535013110	5534	89
535013210	5499	87
535013410	5529	89
535013510	5680	95
535013610	5375	83
535013710	5569	90
535013910	5564	89
535014010	5581	90
535014110	5650	94
535014210	5722	97
535014310	5641	93
535014410	5642	93
535014510	5612	92
535014610	5582	90
535014710	5735	98
535014810	5565	89
535014910	5678	95
535015010	5797	101
535015110	5440	85
535015210	5740	98
535015310	5584	90
535015410	5585	90
535015510	5493	86
535015910	5736	98
535016010	5580	90
535016110	5668	95
535016210	5497	87
535016410	5633	93
535016510	5673	95
535016610	5643	93
535016710	5610	92
535016810	5644	93
535016910	5611	92
535017010	5586	91

Luk	Nº ZEN	Pg.
535017110	5654	94
535017210	5455	86
535017310	5567	90
535017410	5428	85
535017410	6013	103
535017510	5686	96
535017610	5604	92
535017710	5607	92
535017810	5565	89
535017910	5675	95
535018010	5645	93
535018110	5501	87
535018210	5464	86
535018310	5458	86
535018410	5424	84
535018710	5583	90
535018810	5532	89
535018810	6012	103
535018910	5561	89
535018910	6010	103
535019010	5530	89
535019110	5508	87
535019210	6011	103
535019310	5587	91
535019410	5629	93
535019610	5559	89
535019710	5428	85
535019810	5502	87
535019810	6002	103
535019910	5588	91
535020010	5589	91
535020110	5605	92
535020210	5622	92
535020310	5623	92
535020410	5624	92
535020710	5602	91
535020810	5428	85
535020810	6006	103
535020910	5503	87
535020910	6005	103
535021010	5697	96
535021110	5590	91
535021210	6009	103
535021310	5603	92
535021410	5591	91
535021510	5592	91
535021610	5593	91
535021710	5594	91
535021810	5608	92
535021910	5613	92
535022110	5727	98
535022210	5595	91
535022310	5679	95
535022410	5596	91
535022510	5597	91

Luk	Nº ZEN	Pg.
535022610	5677	95
535022710	5625	92
535022810	5626	92
535022910	5598	91
535023010	5730	98
535023110	5728	98
535023210	5609	92
535023310	5724	97
535023410	5627	93
535023510	5599	91
535023610	5801	101
535023810	5601	91
535023910	5614	92
535024010	5658	94
535024110	5661	94
535024210	5628	93
535024310	5667	95
535024510	5713	97
535024610	5511	88
535024610	5612	92
535024710	5652	94
535024810	5763	99
535024910	5726	98
535025010	5739	98
535025210	5646	94
535025410	5769	99
535025610	6004	103
535025910	5648	94
535026010	5656	94
535026310	5657	94
535026410	5655	94
535026510	5653	94
535026610	5659	94
535026710	5662	95
535026810	5635	93
535026910	5647	94
535027010	5818	102
535027110	5716	97
535027210	5732	98
535027310	5694	96
535027510	5787	100
535027610	5697	96
535027710	5742	98
535027810	5706	96
535027910	5729	98
535028010	5731	98
535028110	6004	103
535028210	5743	99
535028310	5770	99
535028410	5719	97
535028510	5788	100
535028610	5777	100
535028810	5809	102
535028910	5795	101
535029110	5775	99

Luk	Nº ZEN	Pg.
535029210	5773	99
535029310	5784	100
535029410	5796	101
535029510	5793	101
535029610	5716	97
535029810	5792	100
535030310	5794	101
535030410	5790	100
535030810	5800	101
535030910	5805	101
535031010	5807	101
535031110	5802	101
535031210	5806	101
535031310	5781	100
535031410	5408	84
535031510	5729	98
535031710	5815	102
535031810	5774	99
535032710	5791	100
535032910	5572	90
535033010	5804	101
535033110	5774	99
535033310	5455	86
535033410	5449	85
535033710	5803	101
535033810	5820	102
535034010	5817	102
535034210	5784	100
535034510	5712	97
535034610	5808	101
535034810	5642	93
535035010	5816	102
535035110	5810	102
711019900	5600	105
Mako	Nº ZEN	Pg.
83653301	5638	93
Mazda	Nº ZEN	Pg.
GY0218330	5438	85
GY021833A	5438	85
K80118W11	5438	85
K80118W12	5438	85
L3M618W11	5597	91
LF1818330	5511	88
LW1818W11	5511	88
RF5C18330	5527	88
RF5C18W11	5527	88
RF6C18330	5797	101
RF6C18W11	5797	101
SH0118330	5652	94
SH1A18330	5652	94
U20118W10	5452	85
GY0211W11A	5419	84
GY0218330A	5419	84
GY0218330B	5419	84
GY0218W37Z	5419	84

Mazda	Nº ZEN	Pg.
L3M618W11A	5597	91
L3M618W11B	5597	91
LF1818330A	5511	88
RF5C18330A	5527	88
RF6C18330A	5797	101
Y66518300B	5801	101
Melco	Nº ZEN	Pg.
1800A201	5662	95
1800A333	5662	95
A234D037BC	6004	103
A252C5221C	6004	103
A252C5421C	6004	103
A252C54375	5512	88
A252C55075	5582	90
A252C5511C	6004	103
A252C556FE	5614	92
A252C55875	5584	90
A252C55975	5585	90
A252C566FD	5614	92
A628X91171	5438	85
A628X92171	5511	88
Mercedes Benz	Nº ZEN	Pg.
1661550215	5411	84
2661550115	5510	87
2701550015	5732	98
2701550115	5732	98
2701550215	5732	98
2701550315	5732	98
2711550016	5461	86
2711550115	5461	86
2711550215	5673	95
2741550415	5784	100
6021500060	5377	83
6041500060	5377	83
6041500160	5375	83
6041500360	5377	83
6041500460	5529	89
6041500560	5375	83
6041500660	5529	89
6071500060	5630	93
6111500160	5393	84
6111500360	5410	84
6111550015	5410	84
6111550215	5393	84
6111550315	5395	84
6111550415	5410	84
6111550515	5395	84
6111550615	5393	84
6111550715	5395	84
6281500060	5494	86
6281550015	5445	85
6291500060	5566	89
6401500160	5574	90
6401500360	5574	90
6401500460	5574	90

Mercedes Benz	Nº ZEN	Pg.
6401500560	5574	90
6421500062	5494	86
6421500360	5581	90
6421500660	5581	90
6421500760	5563	89
6421500860	5494	86
6461500260	5463	86
6461500360	5463	86
6481550015	5463	86
6681550015	5411	84
6681550115	5574	90
6681550215	5574	90
6681550615	5574	90
6681550715	5411	84
6681551715	5411	84
9061550215	5738	98
9061550315	5651	94
9061550815	5681	95
9061551215	5738	98
9061551315	5651	94
9061551515	5681	95
9061552115	5651	94
A1591500060	5644	93
A2701550015	5732	98
A2701550115	5732	98
A2701550215	5732	98
A2701550315	5732	98
A2741550015	5784	100
A2741550215	5784	100
A2741550315	5784	100
A2741550415	5784	100
A2781500060	5644	93
A6461550115	5644	93
A9061550215	5738	98
A9061551215	5738	98
Mercury	Nº ZEN	Pg.
VP3W3U10A352AA	5497	87
Mercury USA	Nº ZEN	Pg.
VP3W3U10A352AA	5497	87
Mini	Nº ZEN	Pg.
12317561556	5643	93
12317575518	5643	93
12317576515	5565	89
12317790877	5592	91
Mitsubishi	Nº ZEN	Pg.
1800A061	5612	92
1800A119	5740	98
1800A120	5740	98
1800A313	5612	92
51940511	5406	84
61931122	5406	84
MN960267	5574	90
A252C5321C	5688	96
A252C532BC	5688	96
A252C559FE	5585	90

Mitsubishi	Nº ZEN	Pg.
A252C564FE	5607	92
A252X53870	5799	101
A252X59170	5814	102
A628X91371	5419	84
A628X92071	5527	88
A628X94871	5799	101
Motorcraft	Nº ZEN	Pg.
GP754	5772	99
Nippondenso	Nº ZEN	Pg.
0210401110	5428	85
0210401450	5428	85
Nissan	Nº ZEN	Pg.
231004KV0A	5796	101
231009136R	5565	89
231502W200	5431	85
231502W20A	5431	85
231503TA1B	5694	96
2315100Q0A	5432	85
231511KM1A	5582	90
231513LN0A	5773	99
231513TA1A	5694	96
231513XN0A	5774	99
231515X21A	5614	92
231516N200	5500	87
231516N20A	5500	87
231516N20B	5500	87
231516N21A	5735	98
23151EB301	5522	88
23151EB30A	5607	92
23151EL010	5582	90
23151EN20A	5715	97
23151HG00A	5784	100
23151JD20A	5582	90
23151JG71B	5584	90
A660C300BX	5676	95
A660C300EX	5676	95
NSK	Nº ZEN	Pg.
4DFB503238	5598	91
NTN	Nº ZEN	Pg.
51206	5424	84
359V11	5588	91
360V11	5601	91
370V11	5452	85
Opel	Nº ZEN	Pg.
1202412	5791	100
1202479	5791	100
1204151	5532	89
1204175	5532	89
1204177	5623	92
1204178	5622	92
1204184	5590	91
1204188	5626	92
1204290	5625	92
1204291	5624	92
1204293	5628	93

Opel	Nº ZEN	Pg.
1204301	5628	93
1204366	5454	85
1204376	5455	86
1204376	5508	87
1204376	6007	103
1204378	5674	95
1204392	5449	85
1204393	5530	89
1204412	5455	86
1204413	5576	90
1204419	5611	92
1204484	5641	93
1204517	5449	85
3648698	5790	100
4417573	5432	85
6204229	5440	85
6204229	6011	103
6204286	5440	85
6204889	5454	85
12638803	5455	86
55186280	6009	103
93172295	6007	103
93175986	5674	95
97229366	5526	88
Peugeot	Nº ZEN	Pg.
574087	5663	95
1622780280	5800	101
1627651980	5790	100
1635591980	5815	102
9810856580	5800	101
Poong Sung	Nº ZEN	Pg.
720110740	5466	86
720110750	5460	86
Porsche	Nº ZEN	Pg.
94860313500	5649	94
95560315200	5649	94
99660315250	5515	88
99760302200	5519	88
99760315400	5515	88
99860302201	5519	88
99860302204	5519	88
9A160395500	5663	95
9A160395501	5663	95
Quinton Hazel	Nº ZEN	Pg.
RSE103	5529	89
1010103	5529	89
Remy	Nº ZEN	Pg.
10493077	5649	94
10511026	5454	85
Renault	Nº ZEN	Pg.
110616	5423	84
110616	5467	86
231004KV0A	5796	101
231009136R	5565	89
7700110616	5423	84

Renault	Nº ZEN	Pg.
7700110616	5467	86
7701055871	5389	83
7701062985	5492	86
7701066401	5526	88
7701207807	5389	83
7701476465	5676	95
7701477502	5389	83
7701477507	5432	85
7701477689	5423	84
7701477689	5467	86
8200113636	5676	95
8200399801	5670	95
8200489514	5562	89
8200548796	5423	84
8200548796	5467	86
8200584039	5432	85
8200613765	5389	83
Ruville	Nº ZEN	Pg.
55153	5411	84
55164	5574	90
55169	5574	90
55177	5463	86
55185	5563	89
55192	5566	89
55196	5581	90
55284	5638	93
55293	5462	86
55294	5462	86
55374	5508	87
55376	5576	90
55378	5611	92
55379	5641	93
55380	5631	93
55381	5455	86
55395	5627	93
55473	5425	84
55487	5376	83
55583	5432	85
55618	5564	89
55624	5562	89
55626	5525	88
55638	5647	94
55721	5448	85
55722	5660	94
55755	5632	93
55789	5649	94
55966	5450	85
56027	5663	95
56029	5654	94
56040	5730	98
56045	5706	96
56324	5493	86
56328	5533	89
56649	5586	91
56650	5565	89

Ruvile	Nº ZEN	Pg.
56830	5569	90
56831	5607	92
56833	5500	87
56838	5653	94
56840	5694	96
56962	5567	90
56989	5728	98
57077	5640	93
57081	5652	94
57117	5646	94
57119	5648	94
57362	5662	95
57525	5732	98
57543	5784	100
57713	5724	97
57716	5656	94
58300	5573	90
58423	5657	94
58427	5722	97
58448	5661	94
58455	5659	94
58620	5650	94
58621	5428	85
58833	5651	94
58865	5681	95
58882	5534	89
59013	5628	93
59800	5726	98
59911	5634	93
59912	5504	87
59914	5580	90
59916	5630	93
59918	5633	93
59920	5643	93
59921	5610	92
59922	5644	93
59925	5464	86
59926	5645	93
59929	5458	86
59936	5575	90
59937	5691	96
59938	5578	90
59939	5505	87
59943	5582	90
59946	5424	84
59949	5583	90
59950	5532	89
59953	5508	87
59955	5587	91
59956	5629	93
59958	5559	89
59959	5428	85
59960	6002	103
59961	5588	91
59964	5622	92

Ruvile	Nº ZEN	Pg.
59965	5623	92
59966	5624	92
59974	6009	103
59976	5385	83
59978	5592	91
59981	5608	92
59982	5613	92
59983	5727	98
59992	5625	92
59993	5626	92
Saab	Nº ZEN	Pg.
5340393	5526	88
5340393	5674	95
5543814	5674	95
12759596	5528	89
12786853	5508	87
12786853	6007	103
93182514	5576	90
Seat	Nº ZEN	Pg.
021903119J	5649	94
021903119L	5649	94
03C903119A	5493	86
03C903119C	5493	86
03C903119F	5493	86
04E903201A	5729	98
04E903201E	5729	98
04E903219B	5729	98
06B903119B	5448	85
06B903119D	5448	85
8V0903119	5729	98
8V0903119A	5729	98
SKF	Nº ZEN	Pg.
03826	5574	90
VKM6100	5424	84
VKM03100	5378	83
VKM03101	5383	83
VKM03102	5382	83
VKM03103	5385	83
VKM03104	5660	94
VKM03106	5381	83
VKM03107	5380	83
VKM03109	5384	83
VKM03111	5374	83
VKM03112	5514	88
VKM03113	5376	83
VKM03114	5425	84
VKM03115	5533	89
VKM03116	5448	85
VKM03117	5632	93
VKM03118	5493	86
VKM03119	5392	84
VKM03120	5387	83
VKM03124	5505	87
VKM03200	5379	83
VKM03202	5496	87

SKF	Nº ZEN	Pg.
VKM03203	5663	95
VKM03204	5528	89
VKM03205	5508	87
VKM03206	5576	90
VKM03210	5604	92
VKM03211	5730	98
VKM03300	5437	85
VKM03301	5396	84
VKM03302	5450	85
VKM03303	5561	89
VKM03305	5453	85
VKM03307	5678	95
VKM03402	5462	86
VKM03405	5403	84
VKM03407	5580	90
VKM03408	5429	85
VKM03410	5464	86
VKM03411	5504	87
VKM03413	5524	88
VKM03414	5495	87
VKM03415	5638	93
VKM03500	5641	93
VKM03504	5455	86
VKM03505	5532	89
VKM03507	5530	89
VKM03508	5454	85
VKM03509	5440	85
VKM03510	5611	92
VKM03600	5389	83
VKM03601	5492	86
VKM03602	5432	85
VKM03603	5410	84
VKM03605	5525	88
VKM03607	5564	89
VKM03608	5575	90
VKM03609	5431	85
VKM03610	5431	85
VKM03610	5584	90
VKM03611	5523	88
VKM03615	5562	89
VKM03650	5390	83
VKM03651	5426	84
VKM03652	5516	88
VKM03653	5634	93
VKM03810	5644	93
VKM03811	5445	85
VKM03815	5410	84
VKM03818	5510	87
VKM03820	5463	86
VKM03821	5393	84
VKM03822	5377	83
VKM03823	5581	90
VKM03824	5375	83
VKM03825	5411	84
VKM03827	5411	84

SKF	Nº ZEN	Pg.
VKM03828	5395	84
VKM03829	5461	86
VKM03831	5566	89
VKM03833	5563	89
VKM03850	5515	88
VKM03870	5456	86
VKM03871	5410	84
VKM03872	5458	86
VKM03873	5633	93
VKM03881	5565	89
VKM06107	5567	90
VKM06111	5645	93
VKM06200	5500	87
VKM06201	5607	92
VKM06203	5582	90
VKM06400	5466	86
VKM06401	5438	85
VKM06403	5527	88
VKM06404	5459	86
VKM06500	5578	90
VKM06501	5460	86
VKM 03400	5501	87
VKM 06800	5610	92
Skoda	Nº ZEN	Pg.
021903119J	5649	94
021903119L	5649	94
06B903119B	5448	85
06B903119D	5448	85
Ssangyong	Nº ZEN	Pg.
66215531A5	5529	89
6621553315	5529	89
6621553415	5726	98
Subaru	Nº ZEN	Pg.
23750AA060	5610	92
23750AA070	5612	92
23750AA090	5806	101
Suzuki	Nº ZEN	Pg.
0210401980	5730	98
3117167J00	5656	94
3117184A10	5724	97
3177168D00	5437	85
3177168D01	5437	85
3177185000	6009	103
3177185E00	5449	85
3177185E00	6009	103
3117162M00000	5730	98
Swag	Nº ZEN	Pg.
10927837	5574	90
20931729	5456	86
20931743	5458	86
40934599	5623	92
55140001	5426	84
55934598	5589	91
70931541	5528	89

SWS	Nº ZEN	Pg.
1335160	5383	83
<b>Toyota</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0210401110	6006	103
0210401130	6006	103
0210401170	6006	103
0210401190	6006	103
0210401320	6006	103
0210401440	6006	103
0210401441	6006	103
0210401450	6006	103
2706000L20	5509	87
270600N110	5794	101
270600N120	5794	101
270600N130	5794	101
270600N140	5794	101
2706030080	5513	88
274030Q180	5795	101
274150L010	5567	90
274150L020	5452	85
274150L030	5567	90
274150L040	5452	85
274150L050	5609	92
274150Q010	5742	98
274150Q020	5795	101
274150T010	5428	85
274150T010	6006	103
274150T011	5428	85
274150T011	6006	103
274150T020	5728	98
274150T021	5728	98
274150T022	5728	98
274150T060	6006	103
274150T070	5745	99
274150W010	5503	87
274150W010	6005	103
274150W020	6006	103
274150W030	5809	102
274150W031	5809	102
274150W040	5502	87
274150W040	6002	103
274150W041	5502	87
274150W041	6002	103
274150W042	6002	103
274150W050	6001	103
274150W051	5705	96
274150W051	6001	103
274150W052	5705	96
274150W052	6001	103
274150W060	6005	103
274150W061	6005	103
274150W062	6005	103
274150W063	6005	103
274150W110	5762	99
274150W130	5503	87
274150W170	5696	96

Toyota	Nº ZEN	Pg.
274150W220	5809	102
274150Y030	5572	90
274150Y060	5820	102
274150Y061	5820	102
274150Y100	5572	90
2741526010	5609	92
2741527011	5424	84
2741530010	5609	92
2741530011	5609	92
2741530020	5567	90
2741533010	5645	93
2741533020	5588	91
2741533050	5613	92
2741533060	5601	91
2741533090	5659	94
2741533100	5794	101
2741547050	5572	90
2741566070	5658	94
274150T011A	5428	85
274150T011A	6006	103
274150W010A	5503	87
274150W010A	6005	103
274150W010B	5503	87
274150W010B	6005	103
274150W010C	5503	87
274150W010C	6005	103
274150W0130	6005	103
274150W020A	6006	103
274150W020B	6006	103
274150W040A	5502	87
274150W040A	6002	103
274150W040B	5502	87
274150W040B	6002	103
274150W040C	5502	87
274150W040C	6002	103
274150W052A	5705	96
274150W110B	5762	99
274150W120A	5684	96
274150W120B	5684	96
274150W130A	5503	87
274150W130A	6005	103
<b>Triscan</b>	<b>Nº ZEN</b>	<b>Pg.</b>
8641104017	5529	89
<b>Trucktec Automotive</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0217049	5574	90
<b>Valeo</b>	<b>Nº ZEN</b>	<b>Pg.</b>
333687	5716	97
406844	5667	95
406880	5583	90
493803	5518	88
493822	5374	83
501443	5712	97
501524	5664	95
501525	5664	95
501528	5493	86

Valeo	Nº ZEN	Pg.
501529	5729	98
580359	6009	103
583516	5374	83
584259	5632	93
584983	5377	83
587122	5411	84
588016	5514	88
588018	5493	86
588028	5623	92
588031	5644	93
588070	6007	103
588096	5649	94
588101	5650	94
593492	5411	84
593493	5411	84
593494	5632	93
593495	5377	83
593515	5389	83
593516	5432	85
593517	5389	83
593600	5378	83
593618	5574	90
593625	5461	86
593778	5448	85
593782	5495	87
593832	5453	85
593860	5449	85
593891	5396	84
593891	6009	103
593907	5437	85
593920	5631	93
593930	5574	90
593960	5581	90
593977	5510	87
593999	5378	83
595203	5411	84
595210	5423	84
595210	5467	86
595226	5562	89
595239	5563	89
595286	5583	90
595333	5602	91
599338	5800	101
702052	5682	95
2220306	5374	83
2546778	5378	83
2546914	5574	90
2546952	5389	83
2546999	5411	84
2547128	5377	83
2547737	5411	84
2548207	5374	83
2548543	5437	85
2548621	5432	85
2549800	5395	84

Valeo	Nº ZEN	Pg.
2549858	5448	85
2574439	5380	83
2600161	5449	85
2601010	5562	89
2601052	5629	93
2601593	5495	87
2601991	5510	87
2601992	5574	90
2602150	5574	90
2602152	5574	90
2602216	5631	93
2602484	5493	86
2602751	5574	90
2602877	5437	85
2602881	5423	84
2602881	5467	86
2602892	5629	93
2602911	5378	83
2603330	5581	90
2603331	5563	89
2603530	5629	93
2603537	5574	90
2603568	5602	91
2604051	5583	90
2604092	5432	85
2604093	5389	83
2604099	5448	85
2604126	5644	93
2604130	5586	91
2604159	5595	91
2604211	5423	84
2604211	5467	86
2604504	5378	83
2604507	5631	93
2604510	5448	85
2604640	5644	93
2604641	5581	90
2604651	5604	92
2604787	5514	88
2605074	5565	89
2605442	5449	85
2605529	5682	95
2605819	5593	91
2605916	5778	100
2605916	6027	104
2605991	5761	99
2606665	5562	89
2607575	5594	91
2608906	5801	101
2610374	5644	93
2610606	5574	90
2612071	5765	99
2612626	5493	86
2612688	5595	91
2613294	5623	92

Valeo	Nº ZEN	Pg.
2613294	5628	93
2618008	5628	93
2618124	5514	88
2618822	5659	94
2650151	5778	100
2650151	6027	104
2650319	5569	90
2650380	5778	100
2650380	6027	104
265040B	5778	100
265040B	6027	104
265040C	5778	100
265040C	6027	104
2650491	5778	100
2650491	6027	104
2655103	5583	90
2655139	5375	83
2655475	5583	90
2655507	5583	90
2655545	5680	95
2655601	5722	97
2655702	5466	86
2655703	5459	86
2809427	5562	89
4605956	5623	92
K406701	5459	86
K408206	5722	97
2542347A	5411	84
2548703A	5632	93
2600166A	5574	90
2601499A	5687	96
2601499A	6026	103
2601628A	5778	100
2601628A	6027	104
2601628B	5778	100
2601628B	6027	104
2607575A	5594	91
2650406B	5741	98
2650406C	5741	98
2650581A	5786	100
31251073	5432	85
A634825A	5501	87
265031900	5569	90
6Y3725552	5374	83
A628X91371	5419	84
<b>Valeo Korea</b>	<b>Nº ZEN</b>	<b>Pg.</b>
K406700	5466	86
<b>Vauxhall Opel</b>	<b>Nº ZEN</b>	<b>Pg.</b>
1204392	5449	85
<b>Visnova</b>	<b>Nº ZEN</b>	<b>Pg.</b>
854180	5528	89
854274	5523	88
<b>Visteon</b>	<b>Nº ZEN</b>	<b>Pg.</b>
1S7U10A352DB	5429	85
1S7U10A352EA	5429	85

Visteon	Nº ZEN	Pg.
VP2C1U10A352AA	5408	84
VP2M5U10A352AA	5524	88
VP2PSU10A352BA	5457	86
VP2PSU10A352CA	5457	86
VP3W3U10A352AA	5497	87
VP5L8U10A352AA	5499	87
VP6L8U10A352AA	5499	87
VP6R3U10A352AA	5438	85
VP6S4U10A352AA	5524	88
<b>VM Motori MSY</b>	<b>Nº ZEN</b>	<b>Pg.</b>
MSY836251600	5576	90
<b>Volkswagen</b>	<b>Nº ZEN</b>	<b>Pg.</b>
428163	5811	102
593514	5410	84
593539	5410	84
593904	5410	84
595203	5410	84
2547655	5410	84
2549815	5410	84
2603341	5410	84
2604332	5410	84
028903165	5382	83
038903119	5380	83
038903119	5383	83
038903165	5383	83
045903119	5514	88
04E903201	5729	98
058903165	5387	83
06L903219	5811	102
071903165	5392	84
07K903119	5385	83
021903119H	5425	84
021903119J	5649	94
021903119K	5425	84
021903119L	5649	94
022903119B	5380	83
022903119D	5380	83
028903119P	5381	83
028903119S	5384	83
028903119T	5382	83
028903165B	5381	83
377903015	5409	84
038903119J	5380	83
038903119L	5388	83
038903119M	5380	83
038903119P	5376	83
038903119Q	5385	83
03D903119A	5374	83
045903119A	5514	88
04E903201A	5729	98
04E903201E	5729	98
04E903219B	5729	98
058903119C	5387	83
06B903119B	5448	85
06B903119D	5448	85

Volkswagen	Nº ZEN	Pg.
06H903119A	5697	96
06H903119B	5697	96
06H903119B	6014	103
06H903201C	5697	96
06H903201D	5697	96
070903201C	5533	89
070903201E	5533	89
071903119B	5392	84
074903119E	5660	94
078903119G	5446	85
07K903023A	5385	83
07K903119A	5385	83
8V0903119	5729	98
028903119AA	5381	83
028903119AJ	5409	84
028903119AN	5382	83
028903119AP	5384	83
028903119AQ	5381	83
8V0903119A	5729	98
0289033119AC	5380	83
<b>Volvo</b>	<b>Nº ZEN</b>	<b>Pg.</b>
3345812	5389	83
8641982	5389	83
8658644	5425	84
8666579	5501	87
8676496	5426	84
8676497	5426	84
9459747	5426	84
9472909	5516	88
30644952	5821	102
30659849	5646	94
30667067	5501	87
30667610	5504	87
30667682	5634	93
30667878	5426	84
30667980	5668	95
30737517	5426	84
30750109	5686	96
30750409	5686	96
30782701	5516	88
31251071	5389	83
31285489	5589	91
31285816	5801	101
31288893	5646	94
31480228	5821	102
<b>WAI</b>	<b>Nº ZEN</b>	<b>Pg.</b>
241283	5498	87
242278	5497	87
242279	5438	85
242280	5419	84
242281	5499	87
242282	5429	85
242284	5457	86
242286	5524	88
242483	5462	86

WAI	Nº ZEN	Pg.
2412510	5622	92
2481107	5500	87
2481109	5431	85
2481110	5454	85
2482113	5650	94
2482114	5567	90
2482115	5501	87
2482117	5570	90
2482118	5613	92
2482273	5428	85
2482275	5516	88
2482276	5573	90
2482280	5608	92
2482287	5440	85
2482289	5428	85
2482290	5503	87
2482291	5502	87
2482292	5578	90
2482293	5559	89
2482295	5428	85
2482299	5576	90
2482300	5464	86
2482301	5645	93
2482302	5428	85
2482310	5609	92
2482311	5592	91
2482312	5608	92
2482313	5591	91
2482314	5704	96
2482316	5685	96
2482317	5728	98
2482318	5603	92
2482321	5705	96
2482324	5733	98
2482325	5690	96
2482326	5711	97
2482332	5781	100
2483275	5406	84
2483276	5527	88
2483277	5468	86
2483278	5507	87
2483279	5512	88
2483280	5582	90
2483281	5511	88
2483287	5522	88
2483291	5522	88
2483293	5585	90
2483294	5587	91
2483295	5597	91
2483302	5688	96
2483306	5683	96
2483311	5694	96
2483313	5770	99
2489250	5466	86
2489251	5460	86

WAI	Nº ZEN	Pg.
2491103	5515	88
2491104	5426	84
2491105	5381	83
2491106	5382	83
2491107	5383	83
2491108	5532	89
2491109	5519	88
2491113	5633	93
2491114	5589	91
2491115	5588	91
2491116	5590	91
2491117	5596	91
2491252	5375	83
2491253	5376	83
2491254	5377	83
2491254	5687	96
2491255	5378	83
2491256	5380	83
2491257	5384	83
2491258	5385	83
2491259	5387	83
2491260	5388	83
2491261	5390	83
2491262	5392	84
2491263	5393	84
2491265	5395	84
2491266	5403	84
2491267	5408	84
2491268	5409	84
2491270	5422	84
2491272	5445	85
2491273	5446	85
2491274	5448	85
2491276	5455	86
2491277	5456	86
2491278	5450	85
2491279	5425	84
2491280	5377	83
2491281	5526	88
2491282	5461	86
2491283	5529	89
2491285	5738	98
2491288	5492	86
2491289	5458	86
2491290	5649	94
2491291	5494	86
2491293	5463	86
2491294	5523	88
2491295	5493	86
2491296	5575	90
2491297	5566	89
2491298	5505	87
2491299	5533	89
2491301	5634	93
2491304	5514	88

WAI	Nº ZEN	Pg.
2491305	5504	87
2491306	5410	84
2491307	5452	85
2491308	5534	89
2491309	5508	87
2491310	5534	89
2491311	5561	89
2491312	5530	89
2491313	5508	87
2491314	5571	90
2491315	5710	97
2491317	5525	88
2491318	5581	90
2491319	5638	93
2491320	5564	89
2491321	5580	90
2491324	5697	96
2491325	5663	95
2491327	5641	93
2491328	5595	91
2491329	5668	95
2491330	5643	93
2491335	5686	96
2491340	5605	92
2493250	5379	83
2493252	5428	85
2493253	5506	87
2494250	5374	83
2494251	5396	84
2494253	5432	85
2494254	5423	84
2494255	5389	83
2494256	5410	84
2494257	5411	84
2494258	5435	85
2494259	5437	85
2494261	5453	85
2494262	5411	84
2494263	5495	87
2494265	5459	86
2494266	5574	90
2494267	5563	89
2494268	5510	87
2494272	5565	89
2494273	5644	93
2494274	5583	90
2494276	5562	89
2494277	5687	96
2494279	5602	91
2494282	5448	85
2494283	5631	93
2494284	5623	92
2494289	5761	99
2494290	5682	95
2494292	5716	97

WAI	Nº ZEN	Pg.
2494293	5772	99
2494298	5680	95
2494300	5653	94
2494301	5775	99
2494312	5565	89
2499250	5496	87
2499251	5584	90
24822101	5684	96
Woodauto	Nº ZEN	Pg.
EC4067	5384	83
EC4068	5383	83
EC4074	5388	83
EC4077	5393	84
EC4080	5392	84
EC4088	5411	84
EC4225	5390	83
EC4230	5410	84
EC4231	5573	90
EC4234	5389	83
EC4238	5395	84
EC4377	5578	90
Yale	Nº ZEN	Pg.
9404328	5390	83
12317516105	5410	84
12317536960	5410	84
12317550001	5410	84
12317570152	5410	84



AES New	Nº ZEN	Pg.
40181N	5406	84
Alfa Romeo	Nº ZEN	Pg.
51787208	5440	85
51787209	5440	85
51854898	5603	92
60816045	5379	83
77364721	5440	85
Arrowhead	Nº ZEN	Pg.
AMT0126	5406	84
Audi	Nº ZEN	Pg.
06A903119	6014	103
06D903016	5448	85
06H903119	6014	103
06J903119	5697	96
06J903119	6014	103
06K903219	5697	96
06K903219	6014	103
TG16C011	5631	93
059903024E	5817	102
059903024F	5817	102
06B903016S	5632	93
06E903016E	5631	93
06E903016F	5631	93
06E903016G	5631	93
06E903016K	5631	93
06E903016M	5604	92
06E903016T	5605	92
06E903018H	5605	92
06H903017E	5448	85
06H903119A	6014	103
06H903119B	6014	103
06H903201C	6014	103
06H903201D	6014	103
06H903201H	5697	96
06H903201H	6014	103
06H903219C	5697	96
06H903219C	6014	103
06J903023C	5448	85
06L903024H	5811	102
06B903016AA	5632	93
06B903016AE	5448	85
06B903016AF	5448	85
06L903024HX	5811	102
Beck Arnley	Nº ZEN	Pg.
1861037	5383	83
1861038	5383	83
1861051	5383	83
BMW	Nº ZEN	Pg.
2248296	5622	92
2248297	5622	92
7550468	5787	100
7560988	5769	99
7560989	5769	99
7585940	5787	100
7591532	5787	100

BMW	Nº ZEN	Pg.
7591533	5787	100
7626153	5787	100
7626155	5787	100
7789980	5622	92
7789983	5622	92
7797521	5622	92
7797522	5622	92
7797660	5622	92
7797661	5622	92
7799204	5622	92
7800308	5622	92
7802928	5622	92
7802929	5622	92
8517261	5622	92
12312248296	5622	92
12312248297	5622	92
12314487081	5458	86
12317516101	5458	86
12317516721	5410	84
12317516722	5410	84
12317516723	5410	84
12317516723	5458	86
12317516724	5410	84
12317521176	5458	86
12317521177	5458	86
12317521384	5458	86
12317521488	5410	84
12317521488	5456	86
12317521489	5456	86
12317521490	5410	84
12317521490	5458	86
12317521491	5410	84
12317521491	5458	86
12317532964	5456	86
12317532965	5458	86
12317532966	5458	86
12317532968	5410	84
12317532968	5456	86
12317532969	5458	86
12317532970	5458	86
12317533268	5456	86
12317533272	5410	84
12317533272	5456	86
12317542351	5633	93
12317542529	5458	86
12317543083	5458	86
12317550468	5787	100
12317550469	5633	93
12317550967	5458	86
12317551254	5458	86
12317551256	5458	86
12317553009	5643	93
12317555926	5458	86
12317558219	5633	93
12317558220	5633	93

BMW	Nº ZEN	Pg.
12317560985	5633	93
12317560986	5633	93
12317560988	5769	99
12317560989	5769	99
12317562388	5643	93
12317574365	5643	93
12317575650	5643	93
12317575873	5643	93
12317576513	5565	89
12317576514	5565	89
12317585940	5787	100
12317591268	5709	97
12317591271	5709	97
12317591532	5787	100
12317591533	5787	100
12317604782	5643	93
12317613445	5643	93
12317626153	5787	100
12317626155	5787	100
12317628243	5493	86
12317676907	5737	98
12317789980	5622	92
12317789983	5622	92
12317790879	5592	91
12317794970	5450	85
12317797521	5622	92
12317797522	5622	92
12317797660	5622	92
12317797661	5622	92
12317799204	5622	92
12317800308	5622	92
12317802261	5623	92
12317802619	5623	92
12317802928	5622	92
12317802929	5622	92
12317805432	5623	92
12317806779	5450	85
12317808073	5623	92
12317823343	5623	92
12317823344	5623	92
12317823345	5623	92
12317823347	5623	92
12318507623	5623	92
12318507624	5623	92
12318507625	5623	92
12318509022	5623	92
12318509023	5623	92
12318509024	5623	92
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12318578608	5623	92
12318578609	5623	92
12318579419	5623	92
12318579420	5623	92
Bosch	Nº ZEN	Pg.
4185	5423	84

Bosch	Nº ZEN	Pg.
4185	5467	86
4277	5423	84
4277	5467	86
4613	5456	86
4627	5456	86
4724	5456	86
4824	5530	89
E6125A	5571	90
LRB460	5423	84
LRB460	5467	86
AL0798X	5395	84
AL0801X	5395	84
AL6438X	6006	103
AL6474X	5570	90
AL6537X	6006	103
AL6550X	6006	103
AL8812N	6003	103
AL8812X	5571	90
AL8812X	6003	103
AL8821X	5521	88
AL9409X	5516	88
10366268	5691	96
014154002	5463	86
15208915	5691	96
028903030	5378	83
045903023	5378	83
0101540302	5375	83
0101541602	5375	83
0101544902	5375	83
0101547402	5375	83
0101547702	5375	83
0101549602	5395	84
0111540502	5375	83
0111547802	5395	84
0120468080	5381	83
0120468119	5381	83
0120468120	5381	83
0120468145	5738	98
0120469020	5381	83
0120469021	5381	83
0120469115	5651	94
0120469117	5651	94
0120469118	5651	94
0120469931	5381	83
0120469932	5381	83
0121542002	5395	84
0121542202	5395	84
0121545402	5395	84
0121545402	5651	94
0121615002	5580	90
0121615003	5452	85
0121615005	5634	93
0121615006	5504	87
0121615009	5450	85
0121615010	5458	86

Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.
0121615011	5686	96	0123320036	5384	83	0124315037	5514	88	0124425004	5508	87
0121615012	5643	93	0123320038	5381	83	0124315046	5452	85	0124425004	6007	103
0121615013	5533	89	0123320041	5377	83	0124325014	5385	83	0124425009	5455	86
0121615014	5668	95	0123320046	5377	83	0124325018	5380	83	0124425013	5528	89
121615014	5668	95	0123320047	5375	83	0124325020	5388	83	0124425015	5530	89
0121615017	5663	95	0123320048	5384	83	0124325020	5392	84	0124425018	5492	86
0121615021	5450	85	0123320049	5529	89	0124325021	5385	83	0124425029	5525	88
0121615025	5533	89	0123320051	5393	84	0124325030	5456	86	0124425030	5691	96
0121615026	5533	89	0123320054	5392	84	0124325039	5395	84	0124425033	6007	103
0121615027	5643	93	0123320055	5382	83	0124325041	5409	84	0124425034	5423	84
0121615028	5450	85	0123320059	5383	83	0124325045	5456	86	0124425034	5467	86
0121615029	5533	89	0123320062	5375	83	0124325046	5395	84	0124425037	5575	90
0121615114	5668	95	0123320065	5393	84	0124325047	5523	88	0124425038	5564	89
121615114	5668	95	0123325006	5384	83	0124325049	5380	83	0124425040	5508	87
0121615127	5643	93	0123340003	5381	83	0124325062	5456	86	0124425040	6007	103
0121715001	5561	89	0123510038	5377	83	0124325072	5456	86	0124425041	5508	87
0121715001	6010	103	0123510044	5375	83	0124325076	5409	84	0124425048	5611	92
0121715004	5533	89	0123510045	5387	83	0124325087	5456	86	0124425048	6007	103
0121715008	5634	93	0123510047	5383	83	0124325088	5425	84	0124425049	5571	90
0121715009	5686	96	0123510049	5377	83	0124325093	5395	84	0124425049	6003	103
0121715012	5458	86	0123510058	5375	83	0124325096	5523	88	0124425053	5508	87
0121715016	5633	93	0123510075	5375	83	0124325100	5403	84	0124425053	6007	103
0121715017	5633	93	0123510080	5377	83	0124325101	5381	83	0124425058	5532	89
0121715018	5633	93	0123510082	5393	84	0124325105	5393	84	0124425058	6012	103
0121715022	5605	92	0123510091	5392	84	0124325105	5395	84	0124425059	5532	89
0121715024	5450	85	0123510099	5383	83	0124325114	5422	84	0124425059	6012	103
0121715033	5533	89	0123510101	5377	83	0124325116	5456	86	0124425060	5641	93
0121715042	5514	88	0123510102	5375	83	0124325122	5663	95	0124425061	5611	92
0121715049	5514	88	0123510107	5393	84	0124325141	5514	88	0124425063	5691	96
0121715050	5605	92	0123510108	5393	84	0124325142	5514	88	0124425071	5525	88
0121715075	5605	92	0123510109	5390	83	0124325166	5534	89	0124425071	5575	90
0121715077	5514	88	0123515003	5382	83	0124325170	5395	84	0124425074	5492	86
0121715078	5605	92	0123515017	5381	83	0124325172	5532	89	0124425075	5564	89
0121715101	6010	103	0123515018	5383	83	0124325172	6012	103	0124425077	5395	84
0121715116	5633	93	0123515020	5381	83	0124325185	5423	84	0124425081	5575	90
0121715117	5633	93	0123515021	5383	83	0124325185	5467	86	0124425082	5575	90
0121715118	5633	93	0123520004	5446	85	0124325190	5514	88	0124425084	5596	91
0121715142	5514	88	0123520008	5375	83	0124325221	5532	89	0124425085	5590	91
0121715158	5589	91	0123520010	5375	83	0124325221	6012	103	0124425087	5590	91
0121715177	5514	88	0123520014	5660	94	0124325248	5736	98	0124425089	5571	90
0121715180	5595	91	0123520023	5393	84	0124415007	5423	84	0124425096	5532	89
0121813003	5566	89	0124041140	5425	84	0124415007	5467	86	0124425096	6012	103
01220AA1P0	5445	85	01240AA7BB	6007	103	0124415013	5423	84	0124425097	5532	89
0123310001	5381	83	0124120007	5737	98	0124415013	5467	86	0124425097	6012	103
0123310019	5381	83	0124225055	5601	91	0124415014	5423	84	0124425100	5627	93
0123310035	5381	83	0124315006	5385	83	0124415014	5467	86	0124425114	5492	86
0123310035	5383	83	0124315010	5448	85	0124415025	5508	87	0124425139	5575	90
0123310038	5384	83	0124315012	5385	83	0124415025	6007	103	0124425140	5575	90
0123310049	5381	83	0124315019	5403	84	0124415026	6007	103	0124425208	5575	90
0123315501	5534	89	0124315019	5736	98	0124415031	5679	95	0124425525	5575	90
0123320007	5381	83	0124315020	5409	84	0124415032	5403	84	0124510072	5529	89
0123320027	5381	83	0124315027	5403	84	0124415040	5423	84	0124515001	5515	88
0123320029	5375	83	0124315027	5736	98	0124415040	5467	86	0124515004	5455	86
0123320032	5383	83	0124315033	5452	85	0124415041	5423	84	0124515014	5426	84
0123320033	5384	83	0124315034	5452	85	0124415041	5467	86	0124515015	5515	88

Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.
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0124515024	5388	83	0124525083	5458	86	0124615042	5395	84	0125711099	5784	100
0124515024	5392	84	0124525086	6007	103	0124625002	5463	86	0125711100	5784	100
0124515025	5376	83	0124525088	5448	85	0124625003	5426	84	0125711105	5589	91
0124515026	5380	83	0124525089	5380	83	0124625006	5395	84	0125711106	5589	91
0124515029	5426	84	0124525091	5378	83	0124625013	5533	89	0125711111	5663	95
0124515031	5455	86	0124525093	5493	86	0124625014	5463	86	0125711112	5663	95
0124515042	5515	88	0124525095	5505	87	0124625017	5445	85	0125711113	5784	100
0124515053	5448	85	0124525096	5630	93	0124625018	5533	89	0125711114	5784	100
0124515054	5426	84	0124525097	5710	97	0124625019	5463	86	0125711119	5784	100
0124515059	5448	85	0124525100	5564	89	0124625020	5395	84	0125711122	5784	100
0124515061	5395	84	0124525102	5385	83	0124625022	5395	84	0125711127	5697	96
0124515062	5461	86	0124525103	5505	87	0124625024	5426	84	0125711127	6014	103
0124515064	5395	84	0124525105	5519	88	0124625033	5463	86	0125711128	5697	96
0124515067	5514	88	0124525106	5519	88	0124625040	5493	86	0125711128	6014	103
0124515073	5515	88	0124525107	5515	88	0124625040	5494	86	0125711151	6014	103
0124515083	5380	83	0124525107	5519	88	0124625045	5463	86	0125711152	5697	96
0124515084	5395	84	0124525113	5697	96	0124655091	5599	91	0125711152	6014	103
0124515088	5461	86	0124525113	6014	103	0125525114	5514	88	0125711163	5784	100
0124515089	5422	84	0124525115	5718	97	0125525146	5514	88	0125711164	5784	100
0124515091	5395	84	0124525125	5663	95	0125711001	5580	90	0125716009	5697	96
0124515096	5508	87	0124525126	5450	85	0125711011	5643	93	0125716009	6014	103
0124515096	6007	103	0124525129	5519	88	0125711014	5668	95	0125716010	5697	96
0124515098	5458	86	0124525137	5492	86	125711014	5668	95	0125716010	6014	103
0124515110	5425	84	0124525146	5514	88	0125711017	5580	90	0125811004	5729	98
0124515112	5590	91	0124525154	5519	88	0125711018	5452	85	0125811006	5589	91
0124515114	5395	84	0124525156	5519	88	0125711024	5589	91	0125811008	5514	88
0124515115	5395	84	0124525174	6012	103	0125711030	5732	98	0125811026	5493	86
0124515118	5395	84	0124525188	5493	86	0125711032	5784	100	0125811033	5729	98
0124515126	5534	89	0124525200	5493	86	0125711034	5514	88	0125811034	5589	91
0124515189	5535	89	0124525201	5493	86	0125711039	5663	95	0125811035	5514	88
0124515198	5461	86	0124525210	5697	96	0125711040	5668	95	0125811039	5663	95
0124520014	5425	84	0124525210	6014	103	125711040	5668	95	0125811040	5663	95
0124525009	5448	85	0124525215	5385	83	0125711044	5697	96	0125811043	5599	91
0124525010	5380	83	0124525216	5599	91	0125711044	6014	103	0125811044	5599	91
0124525017	6007	103	0124525226	5697	96	0125711045	5589	91	0125811074	5729	98
0124525019	5526	88	0124525528	5676	95	0125711048	5668	95	0125811077	5448	85
0124525020	5388	83	0124525530	5514	88	125711048	5668	95	0125811078	5448	85
0124525027	5675	95	0124525537	5492	86	0125711051	5697	96	0125811088	5493	86
0124525028	5423	84	0124555063	5599	91	0125711051	6014	103	0125811111	5729	98
0124525028	5467	86	0124615003	5425	84	0125711053	5668	95	0125811112	5729	98
0124525029	5425	84	0124615006	5425	84	125711053	5668	95	0125811113	5493	86
0124525035	5450	85	0124615009	5448	85	0125711055	5732	98	0125811114	5493	86
0124525038	5493	86	0124615015	5395	84	0125711068	5732	98	0125812002	5493	86
0124525042	5458	86	0124615018	5395	84	0125711069	5589	91	0125812010	5784	100
0124525045	5458	86	0124615019	5395	84	0125711075	5784	100	0125812011	5784	100
0124525048	5458	86	0124615021	5380	83	0125711076	5784	100	0125812037	5821	102
0124525056	5515	88	0124615022	5461	86	0125711078	5643	93	0125812038	5821	102
0124525057	5515	88	0124615025	5395	84	0125711080	5784	100	0125812043	5784	100
0124525058	6007	103	0124615026	5649	94	0125711081	5514	88	0125812044	5784	100
0124525059	5458	86	0124615027	5675	95	0125711083	5663	95	0125812061	5788	100
0124525060	5426	84	0124615028	5461	86	0125711087	5732	98	0125812062	5788	100
0124525064	5663	95	0124615031	5533	89	0125711090	5697	96	0125812076	5821	102
0124525069	5525	88	0124615032	5395	84	0125711090	6014	103	0125813009	5493	86
0124525074	5493	86	0124615033	5395	84	0125711093	5732	98	0126312007	5455	86

Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.
0126312008	5455	86	0986041000	5383	83	0986047910	5580	90	F000BL06X7	5792	100
0126312089	5455	86	0986041010	5383	83	0986047920	5452	85	F000BL06Y0	5766	99
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0126312101	5455	86	0986041850	5423	84	0986048070	5508	87	F000BL06Y9	5792	100
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AL7601N	5406	84
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5702NA	5453	85
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5705KF	5643	93
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Dacia	Nº ZEN	Pg.
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Delphi	Nº ZEN	Pg.
AD237	5498	87
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9806007480	5655	94
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BA1042114040	5706	96
BC1042107002	5635	93
MS1042101971	5719	97
MS1042113330	5719	97
MS1042113490	5809	102
MS1042113580	5793	101
MS1042113920	5572	90
MS1042113930	5572	90
MS1042114040	5706	96
MS1042118840	5793	101
MS1042119051	5708	97
MS1210410580	6011	103
MS1210411580	5603	92
TG1042112480	5745	99
TN1022110500	5516	88
TN1042101900	5771	99
TN1042101901	5771	99
TN1042101902	5771	99
TN1042102330	5690	96
TN1042118370	5789	100
Dixie	Nº ZEN	Pg.
A6282	5383	83
A6283	5383	83
A6285	5383	83
A6389	5381	83
A6389	5383	83
A6475	5395	84
A6476	5395	84
A80056	5406	84

Dodge	Nº ZEN	Pg.
04801475AA	5519	88
04801475AB	5519	88
Dubois	Nº ZEN	Pg.
940181	5406	84
Fiat	Nº ZEN	Pg.
2542693	5453	85
2542832	5453	85
46544329	5642	93
46554408	5642	93
46748353	5560	89
46748353	5576	90
46763533	5576	90
46763534	5576	90
46765838	5576	90
46774428	5576	90
46774429	5576	90
46774430	5576	90
46782213	5576	90
46782218	5379	83
46782218	5576	90
46809068	5560	89
46809068	5576	90
46823540	5576	90
46823547	5449	85
46835095	5449	85
50500728	5496	87
51718499	5449	85
51718502	5654	94
51727335	6009	103
51727338	5528	89
51727339	5528	89
51734825	5496	87
51764265	5528	89
51784845	5449	85
51784846	5449	85
51787208	5440	85
51787208	6011	103
51787209	5440	85
51787209	6011	103
51787210	5440	85
51787210	6011	103
51787214	6011	103
51788658	5654	94
51793678	5528	89
51805799	5440	85
51805800	5440	85
51805800	6011	103
51805801	5440	85
51808560	5777	100
51820622	5727	98
51820623	5730	98
51820624	5730	98
51829383	5440	85
51854901	5528	89
51854902	5528	89

Fiat	Nº ZEN	Pg.
51854903	5654	94
51854909	5440	85
51854910	5440	85
51854910	6011	103
51854911	5440	85
51854912	5440	85
51854912	6011	103
51854914	5440	85
51854914	6011	103
51854915	5440	85
51854915	6011	103
51854916	5440	85
51854916	6011	103
51854917	5727	98
51855875	5440	85
51855875	6011	103
51859043	5654	94
51859052	5576	90
51859053	5576	90
51859058	5528	89
51884239	5777	100
51884351	5730	98
51884886	5730	98
51916020	5802	101
51927505	5802	101
51931432	5777	100
51978345	5707	96
52003620	5802	101
55185075	5449	85
55185075	6009	103
55185076	6009	103
60815944	5576	90
60816557	5576	90
60816954	5576	90
63321315	5379	83
63321507	5560	89
63321859	5379	83
63321859	5560	89
63377004	5560	89
71723401	5388	83
71733552	5453	85
71748885	5453	85
71749232	5453	85
73501591	5576	90
73503235	5576	90
77363954	6009	103
77364082	5580	90
77364721	5440	85
504009978	5388	83
504057813	5663	95
504087183	5663	95
504204173	5663	95
504280012	5604	92
504385137	5663	95
504385138	5663	95

Fiat	Nº ZEN	Pg.
56029703AA	5789	100
5801378902	5810	102
5801580941	5663	95
5801591939	5810	102
5801837072	5810	102
5801837075	5810	102
9610787780	5437	85
9621791480	5396	84
9636060780	5437	85
9640878780	5437	85
9645907580	5437	85
9646065180	5678	95
9646065480	5450	85
9646321780	5453	85
9646321780	5629	93
9649611280	5453	85
9658144680	5580	90
9659918080	5580	90
9661544880	5453	85
9676143580	5580	90
P56029703AA	5789	100
Ford	Nº ZEN	Pg.
1S7TCA	5429	85
1S7TCB	5429	85
1S7TCC	5429	85
1S7TCD	5429	85
1S7TCE	5429	85
1097304	5524	88
1120213	5429	85
1120213	5464	86
1140135	5457	86
1140136	5437	85
1140694	5429	85
1140694	5464	86
1144182	5462	86
1144183	5462	86
1151213	5429	85
1151213	5464	86
1201206	5462	86
1219711	5462	86
1221059	5462	86
1229258	5501	87
1256552	5464	86
1301377	5462	86
1301496	5524	88
1303447	5457	86
1307487	5462	86
1379699	5464	86
1379699	5504	87
1379701	5634	93
1387927	5450	85
1388002	5504	87
1388004	5634	93
1404791	5580	90
1404792	5452	85

Ford	Nº ZEN	Pg.
1435647	5450	85
1450641	5462	86
1455494	5450	85
1458640	5450	85
1464756	5457	86
1464782	5429	85
1464788	5457	86
1469391	5464	86
1469391	5504	87
1477737	5501	87
1477856	5457	86
1477859	5457	86
1541451	5668	95
1581843	5580	90
1581844	5452	85
1682130	5589	91
1703864	5772	99
1704768	5801	101
1741221	5780	100
1748794	5589	91
1762377	5801	101
1764817	5719	97
1781479	5719	97
1799802	5589	91
1821291	5719	97
1870356	5807	101
1870357	5807	101
1873207	5801	101
1885676	5774	99
2011354	5807	101
2011355	5807	101
2011356	5807	101
2051880	5801	101
2077641	5719	97
2077646	5719	97
2099467	5589	91
2146821	5807	101
2148360	5774	99
2165474	5807	101
2188081	5807	101
2198947	5719	97
2200625	5807	101
2212497	5774	99
2215253	5807	101
2251619	5801	101
2306021	5807	101
2320081	5719	97
2379158	5807	101
2383693	5807	101
2415016	5589	91
2432355	5807	101
2438697	5807	101
2449470	5807	101
2451723	5807	101
2454938	5807	101

Ford	Nº ZEN	Pg.
3395459	5438	85
3395461	5438	85
4371030	5679	95
4392207	5679	95
4407889	5679	95
4461712	5403	84
4461712	5736	98
5178833	5690	96
5341792	5807	101
5344230	5774	99
30667118	5634	93
30667119	5634	93
36000037	5634	93
36000038	5634	93
6C1T10300	5452	85
7H1210300	5452	85
1ST10300CB	5464	86
1ST10300CC	5464	86
1ST10300CD	5464	86
BR3Z10346C	5743	99
BV6T10300E	5785	100
BV6Z10346E	5785	100
BV6Z10346F	5785	100
CJ5Z10346C	5780	100
CJ5Z10346D	5690	96
CM5Z10344D	5772	99
CP9Z10344A	5772	99
CR3Z10346A	5717	97
CT4Z10346A	5770	99
CV6Z10346B	5772	99
DG1T10300B	5711	97
DG1Z10346D	5711	97
DS7Z10346D	5690	96
DS7Z10346H	5780	100
FR3Z10346H	5822	102
GK2Z10346C	5807	101
GR3Z10346F	5822	102
GR3Z10346L	5822	102
1C1T10300BB	5506	87
1M5T10300BB	5462	86
1M5T10300BC	5462	86
1M5T10300BD	5462	86
1S7T10300CA	5429	85
1S7T10300CB	5429	85
1S7T10300CC	5429	85
1S7T10300CD	5429	85
1S7T10300CE	5429	85
2C1T10300AA	5403	84
2C1T10300AB	5679	95
2C1T10300AF	5679	95
2C1T10300BA	5403	84
2C1T10300BA	5736	98
2M5V10300AA	5524	88
2M5Z10346AB	5524	88
2MSU10300AA	5524	88

Ford	Nº ZEN	Pg.
2S6T10300AA	5457	86
2S6T10300AB	5457	86
2S6T10300BA	5437	85
2S7T10300AA	5495	87
3M5T10300JC	5608	92
3M5T10300JD	5608	92
3M5T10300PB	5501	87
3M5T10300PC	5501	87
3M5T10300PD	5501	87
3M5T10300SC	5608	92
3M5T10300SD	5608	92
3M5T10300VC	5464	86
3M5T10300VD	5464	86
3S6T10300AA	5457	86
3S6T10300AB	5457	86
3S6T10300AC	5457	86
3W3U10300AA	5497	87
3W3Z10346AA	5497	87
4R8310300AB	5428	85
4S4T10300BA	5524	88
4S4T10300BC	5524	88
4S4T10300BD	5524	88
4S4Z10346BA	5524	88
4S4Z10346BB	5524	88
4W7310300AC	5406	84
4W7Z10346AC	5406	84
5L8T10300MA	5499	87
5L8T10300MC	5499	87
5S4T10300BB	5524	88
5S4T10300BD	5524	88
5S4T10300DA	5499	87
5S4T10300DB	5499	87
5S4T10300DC	5499	87
5S4Z10346BA	5524	88
5S4Z10346DA	5499	87
5S4Z10346DB	5499	87
6C1T10300BA	5580	90
6C1T10300BB	5580	90
6C1T10300BC	5580	90
6C1T10300BD	5580	90
6C1T10300CA	5452	85
6C1T10300CB	5452	85
6C1T10300CC	5452	85
6G9N10300HA	5634	93
6G9N10300HB	5634	93
6G9N10300HC	5634	93
6G9N10300HD	5634	93
6G9N10300JB	5634	93
6G9N10300JD	5634	93
6G9N10300LA	5686	96
6G9N10300XA	5450	85
6G9N10300XB	5450	85
6L8T10300CB	5499	87
6L8Z10346CB	5499	87
6L8Z10346MA	5499	87



Ford	Nº ZEN	Pg.
6M5T10300SA	5668	95
6W7T10300AA	5406	84
6W7T10300AB	5406	84
7G9N10300EA	5450	85
7H1210300AA	5452	85
8M5T10300PA	5648	94
8M5T10300PB	5648	94
8M5T10300YA	5648	94
8M5T10300YB	5648	94
8V2110300AB	5629	93
8V2110300BB	5629	93
98AB10300JE	5462	86
98AB10300JF	5462	86
98AB10300JG	5462	86
98VW10300AA	5383	83
98VW10300BA	5383	83
9G9J10300AA	5589	91
9G9N10300AA	5589	91
9G9N10300BA	5589	91
9G9N10300BB	5589	91
AB3910300AE	5452	85
AE8T10300BA	5714	97
AV6N10300DA	5801	101
AV6N10300DB	5801	101
AV6N10300DC	5801	101
AV6N10300DD	5801	101
AV6N10300MB	5801	101
AV6N10300MC	5801	101
AV6N10300MD	5801	101
BG9T10300AB	5589	91
BK2T10300BB	5580	90
BR3T10300JC	5743	99
BV6T10300EA	5785	100
CJ5T10300BB	5690	96
CJ5T10300CB	5780	100
CN1510300CB	5664	95
CN1510300DA	5766	99
CR3T10300AC	5717	97
CT4T10300AA	5770	99
CT4T10300AB	5770	99
CV6T10300DB	5719	97
CV6T10300DC	5719	97
CV6T10300GA	5719	97
DN1510300AB	5664	95
DS7T10300DB	5690	96
DS7T10300FC	5807	101
DS7T10300FD	5807	101
DS7T10300HA	5780	100
DS7T10300KD	5807	101
E1GT10300BB	5807	101
E3B510300AC	5635	93
E4B510300DA	5721	97
EB3T10300DA	5774	99
EB3T10300EA	5774	99
EB3T10300EB	5774	99

Ford	Nº ZEN	Pg.
EJ3210300AD	5788	100
ET7610300AA	5801	101
FR3T10300HA	5822	102
FW7310346AC	5406	84
G9N10300ADB	5450	85
GK2T10300AC	5807	101
GK2T10300AD	5807	101
GK2T10300AE	5807	101
GK2T10300AF	5807	101
GK2T10300BB	5807	101
GK2T10300BC	5807	101
GK2T10300BD	5807	101
GK2T10300CA	5807	101
GK2T10300CB	5807	101
GK2T10300CC	5807	101
GK2T10300CD	5807	101
GN1510300AA	5819	102
GN1510300EA	5798	101
GN1510300EB	5798	101
GR3T10300HA	5822	102
GR3Z10346FA	5822	102
H1BT10300GB	5719	97
H1BT10300HB	5719	97
JX6T10300FA	5719	97
JX6T10300KB	5807	101
JX6T10300KC	5807	101
YC1T10300BC	5403	84
YC1T10300BC	5408	84
YC1T10300BC	5736	98
YC1T10300BD	5403	84
YC1T10300BD	5408	84
YC1T10300BD	5736	98
YC1T10300BE	5403	84
YC1T10300BE	5736	98
YC1T10300BG	5408	84
YC1T10300BG	5736	98
YC1T10300BH	5403	84
YC1T10300BH	5408	84
YC1T10300BH	5736	98
YC1T10300BJ	5403	84
YC1T10300BJ	5408	84
YC1T10300BJ	5736	98
YC1U10300DA	5408	84
YC1U10300DB	5408	84
YC1U10300DC	5408	84
YC1U10300EA	5408	84
1S7T15K600CA	5429	85
1S7T15K600CB	5429	85
1S7T15K600CC	5429	85
6G9N10300ABA	5464	86
6G9N10300ABA	5504	87
6G9N10300ABB	5504	87
6G9N10300ABC	5464	86
6G9N10300ABC	5504	87
6G9N10300ADA	5450	85

Ford	Nº ZEN	Pg.
6G9N10300ADB	5450	85
6G9N10300MA	5686	96
95VW10300ABA	5380	83
LX6T10300EAA	5719	97
LX6T10300FAA	5807	101
R1M5T10300BD	5462	86
R98AB10300JC	5462	86
General Motors/	Nº ZEN	Pg.
1204645	5781	100
2542851	6009	103
3647958	5815	102
4403540	5410	84
4403540	5432	85
4404331	5432	85
4417846	5432	85
4430587	5432	85
5350087	5526	88
6204095	5455	86
6204158	5455	86
9111540	5410	84
9111540	5432	85
9112331	5432	85
9199575	6007	103
10305775	5687	96
10305775	6026	103
10316182	5687	96
10316182	6026	103
10320213	5623	92
10327314	5687	96
10327314	6026	103
10327514	5778	100
10327514	6027	104
10350160	5687	96
10350160	6026	103
10353440	5687	96
10353440	6026	103
10396863	6006	103
10436674	5687	96
10436674	6026	103
13117278	5449	85
13117278	6009	103
13117279	5449	85
13117279	6009	103
13125525	5674	95
13222934	5440	85
13222935	5440	85
13222936	5440	85
13243463	5440	85
13256928	5440	85
13501719	5677	95
13502580	5677	95
13502584	5781	100
13502988	5682	95
13502989	5761	99
13505392	5623	92

General Motors/	Nº ZEN	Pg.
13577154	5623	92
13579114	5677	95
13579663	5622	92
13579669	5622	92
13579672	5818	102
13579676	5677	95
13579677	5374	83
13580078	5677	95
13581885	5622	92
13587309	5771	99
13588289	5623	92
13588303	5623	92
13588305	5623	92
13588306	5623	92
13592810	5771	99
13593805	5374	83
13595628	5622	92
15233597	5571	90
15233597	6003	103
15283754	5623	92
15791160	5687	96
15791160	5778	100
15791160	6027	104
15824928	5741	98
15841234	5687	96
15841234	5778	100
15841234	6027	104
15846253	5685	96
15846253	6018	103
15865853	5741	98
15875992	5623	92
15880834	5786	100
15901933	5741	98
19317219	5773	99
19317322	5773	99
20838975	6006	103
22727494	5521	88
22731358	5521	88
22747896	5762	99
22865612	5781	100
22905553	5771	99
22949467	5762	99
22962097	5682	95
22988006	5781	100
22996928	5771	99
23136231	5771	99
25787950	5741	98
25815839	6006	103
25864953	6006	103
25888970	5778	100
25888970	6027	104
25948388	5786	100
26261634	5776	99
26275741	5776	99
39007364	5791	100

General Motors/	Nº ZEN	Pg.
39047359	5791	100
52071631	5818	102
52075443	5455	86
52140287	5455	86
55567951	5622	92
55580126	5622	92
84062199	5374	83
88975507	6006	103
88975511	6002	103
92211821	5688	96
93160666	5432	85
93161424	5432	85
93169474	5492	86
93172075	6007	103
93172080	6007	103
93175799	5454	85
93175944	5454	85
93175988	5674	95
93176035	6007	103
93180419	5530	89
93183381	5440	85
93184952	6007	103
93184953	6007	103
93185260	5440	85
93185261	5440	85
93188158	5641	93
93189013	5492	86
93189248	5530	89
93190828	6007	103
93190915	5440	85
93191541	5432	85
93198275	5492	86
93322958	5422	84
93396398	5518	88
94745270	5535	89
95511910	5802	101
95515972	5623	92
95516722	5802	101
95519871	5622	92
95526637	5815	102
97189113	5454	85
97355198	5454	85
97363832	5454	85
97363833	5454	85
97369507	5454	85
97369508	5454	85
98056439	5454	85
98056440	5454	85
98393107	5804	101
10305775A	5687	96
10305775A	6026	103
10305775B	5687	96
10305775B	6026	103
704042419	6009	103
13283344BW	6009	103

Hitachi	Nº ZEN	Pg.
LR945904	5783	100
028903029G	5378	83
06E903018G	5739	98
06E903018M	5739	98
LR1180851	5739	98
Holden	Nº ZEN	Pg.
9195336	5455	86
13147093	5455	86
13156054	5455	86
Honda	Nº ZEN	Pg.
CSC91	5591	91
CSG66	5591	91
CSJ24	5733	98
CSJ60	5733	98
CSJ89	5733	98
CSK30	5733	98
CSK99	5733	98
AHGA88	5683	96
3110059B003	5767	99
311005A2A02	5683	96
311005G0A02	5733	98
311005X6J01	5779	100
31100R3LG01	5598	91
31100R70A11	5733	98
31100R8AA01	5733	98
31100R9PA01	5733	98
31100RBDE02	5591	91
31100RFGW01	5598	91
31100RFGW51	5598	91
31100RLOG01	5598	91
31100RLOG51	5598	91
31100RLOG61	5591	91
31100RSRE01	5591	91
31100RSXG01	5598	91
31100RV0A01	5733	98
31100RZ0G01	5598	91
311005A2A02RM	5683	96
311005X6J01RM	5779	100
311005A2AA000M2	5683	96
Hyundai	Nº ZEN	Pg.
3730003500	5731	98
3730003600	5731	98
3730003605	5731	98
3730004030	5659	94
3730004035	5659	94
3730004330	5659	94
3730004335	5659	94
3730025201	5680	95
3730025301	5613	92
3730025301	6006	103
3730025310	5613	92
3730027011	5460	86
3730027012	5460	86
3730027013	5460	86
3730027020	5661	94

Hyundai	Nº ZEN	Pg.
3730027030	5661	94
3730027502	5578	90
3730027503	5578	90
3730027504	5578	90
3730027600	5578	90
3730027601	5578	90
3730027602	5578	90
373002A000	5583	90
373002A050	5583	90
373002A100	5583	90
373002A110	5583	90
373002A300	5583	90
373002A460	5583	90
373002A650	5763	99
373002A651	5763	99
373002A700	5793	101
373002A750	5793	101
373002A850	5763	99
373002B101	5716	97
373002B200	5716	97
373002B700	5716	97
373002B750	5716	97
373002E200	5716	97
373002E700	5716	97
373002E721	5716	97
373002E800	5716	97
373002F000	5593	91
373002F100	5593	91
373002F200	5593	91
373002G100	5680	95
373002G150	6006	103
373002G400	5680	95
373002G500	5594	91
373003A002	5722	97
373003A100	5722	97
373003A100	5804	101
373004A001	5459	86
373004A002	5459	86
373004A003	5459	86
373004A700	5713	97
373004X500	5466	86
373004X501	5466	86
373004X502	5466	86
373004X503	5466	86
3732125301	5680	95
3732227020	5661	94
373222A000	5583	90
373222A100	5583	90
373222A110	5583	90
37300237300	5680	95
Isuzu	Nº ZEN	Pg.
8971891133	5454	85
8971891134	5454	85
8971891135	5454	85
8973089961	5526	88

Isuzu	Nº ZEN	Pg.
8973614210	5526	88
8980337860	5526	88
8980337880	5527	88
8983931070	5804	101
Iveco	Nº ZEN	Pg.
5801378902	5810	102
5801580938	5599	91
5801591939	5810	102
5801837072	5810	102
5801837075	5810	102
Jaguar	Nº ZEN	Pg.
C2S3710	5573	90
C2C20533	5781	100
C2Z17063	5657	94
BJ3210300CA	5589	91
BJ3210300CB	5589	91
BJ3210300CC	5589	91
EJ3210300AC	5788	100
Jeep	Nº ZEN	Pg.
04801227AA	5644	93
04801827AA	5644	93
53013554AD	5428	85
53013554AE	5428	85
Jinzhou Halla	Nº ZEN	Pg.
JFZ1929AT1	5649	94
John Deere	Nº ZEN	Pg.
AL111675	5534	89
AL114092	5534	89
AL166645	5534	89
AL166646	5534	89
RE204426	5534	89
Kia	Nº ZEN	Pg.
3730004035	5659	94
3730004330	5659	94
3730004335	5659	94
3730027011	5460	86
3730027012	5460	86
3730027020	5661	94
3730027021	5661	94
373002A010	5583	90
373002A110	5583	90
373002A150	5583	90
373002A700	5793	101
373002A750	5793	101
373002B910	5716	97
373002F000	5593	91
373002F100	5593	91
373002F200	5593	91
373002G500	5594	91
373002G501	5594	91
373002G760	5594	91
373003A100	5804	101
373003C120	5572	90
373003C150	5572	90
373003C160	5572	90

Kia	Nº ZEN	Pg.
373003C161	5572	90
373004A110	5459	86
373004A111	5459	86
373004A112	5459	86
373004A113	5459	86
373004X000	5466	86
373004X001	5466	86
373004X002	5466	86
373004X310	5640	93
373004X351	5640	93
3732227020	5661	94
373222A000	5583	90
373222A110	5583	90
OK55418300	5466	86
OK55218300B	5466	86
OK55318300A	5466	86
Lancia	Nº ZEN	Pg.
51784844	5449	85
4801624AD	6006	103
Land Rover	Nº ZEN	Pg.
LR002426	5686	96
LR002899	5450	85
LR007089	5686	96
LR008856	5452	85
LR028116	5657	94
LR028121	5589	91
LR031026	5657	94
LR031027	5589	91
LR047579	5788	100
LR067840	5589	91
LR077394	5788	100
YLE500310	5452	85
7H1210300AA	5452	85
BJ3210300AC	5657	94
Lester	Nº ZEN	Pg.
8241	5498	87
8293	5498	87
8299	5498	87
8303	5438	85
8314	5497	87
8402	5499	87
8404	5499	87
8407	5524	88
8418	5524	88
8436	5497	87
8444	5438	85
8498	5498	87
8499	5498	87
8512	5499	87
8516	5438	85
8528	5457	86
8529	5408	84
8530	5408	84
8531	5450	85
8531	5457	86

Lester	Nº ZEN	Pg.
8531	5675	95
8534	5408	84
11022	5603	92
11022	5623	92
11026	5406	84
11026	5612	92
11041	5515	88
11043	5508	87
11043	6007	103
11054	5608	92
11063	5428	85
11063	6013	103
11064	5448	85
11066	5461	86
11070	5448	85
11077	5458	86
11091	5426	84
11093	5608	92
11097	5688	96
11109	5521	88
11114	6013	103
11115	5520	88
11115	6015	103
11119	5500	87
11125	5691	96
11128	5598	91
11130	5515	88
11134	5378	83
11136	5503	87
11136	6005	103
11137	5503	87
11137	6005	103
11143	5741	98
11160	5631	93
11162	5631	93
11163	5500	87
11163	5715	97
11169	5597	91
11186	5508	87
11186	6007	103
11187	5710	97
11192	5572	90
11195	5502	87
11195	6002	103
11196	5503	87
11196	6005	103
11201	5502	87
11201	6002	103
11202	5613	92
11207	5380	83
11208	5380	83
11209	5380	83
11210	5380	83
11212	5380	83
11214	5376	83

Lester	Nº ZEN	Pg.
11216	5463	86
11221	5378	83
11222	5605	92
11228	5507	87
11228	6004	103
11229	5520	88
11229	6015	103
11231	5507	87
11231	6004	103
11232	5691	96
11235	5519	88
11236	5571	90
11236	6003	103
11237	5685	96
11237	6018	103
11239	5519	88
11252	5536	89
11252	5680	95
11255	5508	87
11255	6007	103
11257	5378	83
11258	5569	90
11260	5410	84
11263	5786	100
11281	5649	94
11287	5595	91
11300	5458	86
11301	5458	86
11302	5633	93
11306	5494	86
11306	5581	90
11307	5494	86
11308	5566	89
11309	5563	89
11323	5503	87
11323	6005	103
11325	5503	87
11325	6005	103
11326	5503	87
11326	6005	103
11334	5565	89
11336	5643	93
11337	5515	88
11343	5582	90
11345	5686	96
11346	5686	96
11347	5668	95
11354	5705	96
11354	6001	103
11360	5378	83
11362	5633	93
11366	5787	100
11367	5680	95
11377	5406	84
11377	5612	92

Lester	Nº ZEN	Pg.
11378	5570	90
11385	5428	85
11385	6006	103
11385	6013	103
11386	5428	85
11386	6006	103
11386	6013	103
11388	5378	83
11399	5623	92
11400	5762	99
11403	5762	99
11404	5762	99
11408	5762	99
11413	5582	90
11425	5514	88
11436	5582	90
11440	5507	87
11440	6004	103
11445	5494	86
11453	5682	95
11457	5581	90
11458	5569	90
11460	5385	83
11460	5505	87
11461	5602	91
11462	5602	91
11463	5514	88
11466	5697	96
11466	6014	103
11467	5718	97
11472	5533	89
11478	5605	92
11485	5682	95
11487	5761	99
11488	5426	84
11492	5613	92
11492	5680	95
11493	5594	91
11501	5641	93
11507	5781	100
11508	5613	92
11514	5503	87
11514	6005	103
11516	5684	96
11517	5503	87
11517	6005	103
11519	5684	96
11543	5406	84
11543	5612	92
11550	5770	99
11551	5780	100
11556	5511	88
11556	5612	92
11560	5623	92
11560	5628	93

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
11563	5580	90	11869	5507	87	13969	5687	96	20255	5585	90
11568	5668	95	11870	5428	85	13969	6026	103	20256	5453	85
11573	5733	98	11914	5452	85	13972	5377	83	20256	5629	93
11586	5378	83	11944	5696	96	13996	5511	88	20294	5644	93
11592	5690	96	11993	5570	90	13996	5612	92	20295	5731	98
11598	5690	96	12370	5534	89	13998	5426	84	20304	5514	88
11600	5733	98	12379	5534	89	14006	5594	91	20325	5395	84
11606	5594	91	12382	5395	84	14007	5762	99	20328	5596	91
11608	5716	97	12383	5393	84	14009	5762	99	20329	5596	91
11618	5772	99	12383	5395	84	14072	5503	87	20330	5378	83
11621	5743	99	12384	5395	84	14072	6005	103	20330	5580	90
11636	5690	96	12385	5395	84	14489	5683	96	20333	5526	88
11647	5781	100	12386	5651	94	20006	5395	84	20338	5593	91
11648	5775	99	12388	5681	95	20007	5532	89	20341	5644	93
11653	5785	100	12388	5738	98	20007	6012	103	20351	5729	98
11654	5628	93	12424	5393	84	20008	5450	85	20352	5729	98
11657	5694	96	12653	5680	95	20008	5675	95	20353	5729	98
11668	5780	100	12676	5375	83	20011	5533	89	20355	5423	84
11673	5653	94	12677	5375	83	20013	5450	85	20355	5467	86
11680	5690	96	12740	5506	87	20013	5675	95	20357	5528	89
11682	5771	99	12780	5378	83	20014	5378	83	20361	5730	98
11694	5765	99	12780	5534	89	20017	5514	88	20363	5719	97
11698	5646	94	12781	5534	89	20029	5453	85	20381	5614	92
11701	5716	97	13258	5582	90	20029	5629	93	20387	5724	97
11703	5378	83	13444	5650	94	20035	5452	85	20389	5584	90
11710	5594	91	13613	5375	83	20036	5463	86	20392	5501	87
11714	5514	88	13622	5383	83	20043	5585	90	20395	5728	98
11716	5644	93	13779	5375	83	20046	5625	92	20409	5583	90
11721	5378	83	13801	5426	84	20079	5624	92	20409	5763	99
11722	5580	90	13811	5377	83	20082	5520	88	20410	5801	101
11722	5589	91	13811	5529	89	20082	6015	103	20411	5575	90
11724	5697	96	13831	5383	83	20089	5375	83	20412	5514	88
11724	6014	103	13832	5383	83	20091	5644	93	20414	5493	86
11725	5697	96	13833	5382	83	20096	5677	95	20416	5515	88
11725	6014	103	13845	5516	88	20100	5395	84	20417	5627	93
11727	5697	96	13849	5378	83	20122	5581	90	20423	5379	83
11727	6014	103	13851	5378	83	20130	5453	85	20423	5642	93
11730	5595	91	13853	5378	83	20130	5629	93	20424	5608	92
11731	5595	91	13864	5687	96	20131	5586	91	20444	5378	83
11734	5623	92	13864	6026	103	20133	5593	91	20446	5633	93
11745	5732	98	13870	6006	103	20133	5657	94	20453	5423	84
11746	5374	83	13870	6013	103	20135	5423	84	20453	5467	86
11747	5785	100	13871	5428	85	20135	5467	86	20495	5449	85
11753	5787	100	13871	6006	103	20136	5787	100	20495	6009	103
11759	5717	97	13871	6013	103	20138	5595	91	20499	5452	85
11771	5789	100	13883	5419	84	20142	5462	86	20501	5635	93
11780	5771	99	13921	5388	83	20146	5493	86	20502	5719	97
11781	5704	96	13921	5392	84	20147	5493	86	20503	5777	100
11791	5709	97	13926	5573	90	20148	5493	86	20505	5623	92
11800	5602	91	13939	5500	87	20149	5493	86	20506	5389	83
11822	5623	92	13942	5378	83	20164	5587	91	20507	5389	83
11822	5644	93	13954	5461	86	20202	5623	92	20510	5389	83
11836	5527	88	13955	5688	96	20213	5801	101	20525	5794	101
11852	5739	98	13960	6013	103	20226	5609	92	20526	5809	102
11855	5739	98	13961	6013	103	20251	5580	90	20528	5589	91

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
20529	5589	91	20779	5609	92	21483	5384	83	23105	5642	93
20530	5635	93	20780	5724	97	21484	5384	83	23107	5508	87
20535	5584	90	20781	5784	100	21492	5807	101	23107	6007	103
20538	5658	94	20786	5580	90	21512	5622	92	23111	5445	85
20539	5560	89	20796	5583	90	21514	5622	92	23112	5528	89
20552	5492	86	20798	5514	88	21783	5396	84	23115	5448	85
20553	5522	88	20801	5493	86	21787	5396	84	23116	5448	85
20553	5607	92	20802	5729	98	21787	5437	85	23116	5632	93
20556	5646	94	20834	5817	102	21788	5437	85	23152	5466	86
20557	5664	95	20835	5790	100	21791	5450	85	23153	5466	86
20571	5784	100	20836	5514	88	21791	5675	95	23160	5432	85
20587	5626	92	20841	5432	85	21890	5403	84	23161	5410	84
20588	5493	86	20843	5410	84	21890	5736	98	23162	5410	84
20594	5492	86	20847	5774	99	21891	5403	84	23171	5574	90
20608	5423	84	20848	5784	100	21891	5638	93	23173	5385	83
20608	5467	86	20855	5580	90	21891	5736	98	23173	5670	95
20609	5410	84	20855	5634	93	22150	5429	85	23173	5676	95
20609	5492	86	20864	5773	99	22156	5395	84	23183	5679	95
20610	5423	84	20865	5713	97	22555	5562	89	23206	5425	84
20610	5467	86	20881	5493	86	22586	5611	92	23206	5660	94
20611	5647	94	20886	5493	86	22589	5589	91	23215	5431	85
20620	5634	93	20888	5623	92	22596	5379	83	23233	5410	84
20630	5591	91	20894	5668	95	22596	5642	93	23234	5410	84
20631	5655	94	20904	5378	83	22707	5383	83	23237	5387	83
20638	5423	84	20906	5599	91	22708	5384	83	23240	5508	87
20638	5467	86	20917	5501	87	22721	5644	93	23240	6007	103
20641	5492	86	20947	5820	102	22774	5389	83	23243	5388	83
20642	5729	98	20953	5743	99	22785	5384	83	23243	5392	84
20644	5514	88	20964	5716	97	22795	5396	84	23244	5388	83
20649	5453	85	20967	5423	84	22795	5449	85	23244	5392	84
20649	5629	93	20967	5467	86	22795	6009	103	23247	5395	84
20649	5800	101	20970	5793	101	22796	5449	85	23248	5395	84
20653	5453	85	20972	5423	84	22796	6009	103	23249	5456	86
20653	5629	93	20972	5467	86	22850	5411	84	23250	5410	84
20655	5583	90	20980	5374	83	22851	5411	84	23251	5456	86
20656	5644	93	20994	5729	98	22866	5382	83	23253	5458	86
20657	5800	101	21055	5807	101	22873	5388	83	23254	5458	86
20667	5453	85	21059	5807	101	22873	5392	84	23255	5448	85
20667	5629	93	21060	5807	101	22879	5393	84	23256	5448	85
20674	5501	87	21072	5565	89	22879	5395	84	23256	5632	93
20674	5648	94	21074	5821	102	22886	5375	83	23257	5458	86
20675	5730	98	21123	5697	96	22892	5383	83	23265	5578	90
20688	5410	84	21123	6014	103	22900	5375	83	23269	5463	86
20715	5731	98	21154	5779	100	22902	5375	83	23285	5461	86
20730	5514	88	21157	5810	102	22902	5377	83	23289	5425	84
20731	5514	88	21197	5809	102	22952	5410	84	23290	5644	93
20741	5732	98	21230	5809	102	22990	5410	84	23292	5389	83
20742	5788	100	21237	5767	99	22990	5564	89	23293	5389	83
20752	5595	91	21244	5379	83	23014	5390	83	23296	5403	84
20753	5697	96	21244	5642	93	23020	5393	84	23296	5455	86
20753	6014	103	21382	5454	85	23021	5395	84	23296	5736	98
20754	5395	84	21391	5383	83	23098	5460	86	23298	5424	84
20756	5463	86	21392	5381	83	23104	5379	83	23299	5437	85
20765	5729	98	21429	5382	83	23104	5642	93	23300	5437	85
20776	5584	90	21430	5382	83	23105	5379	83	23301	5437	85

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
23301	5450	85	23816	6012	103	23976	5634	93	24118	5493	86
23301	5453	85	23817	5532	89	23977	5452	85	24121	5601	91
23301	5629	93	23817	6012	103	23985	5495	87	24122	5590	91
23301	5675	95	23819	5525	88	24002	5495	87	24123	5428	85
23309	5527	88	23819	5575	90	24003	5504	87	24141	5807	101
23313	5509	87	23820	5501	87	24004	5495	87	24142	5634	93
23313	5513	88	23820	5648	94	24008	5562	89	24144	5590	91
23313	5567	90	23821	5501	87	24015	5575	90	24172	5492	86
23313	5609	92	23827	5378	83	24017	5654	94	24226	5697	96
23316	5424	84	23827	5514	88	24020	5502	87	24226	6014	103
23317	5509	87	23829	5631	93	24020	6002	103	24227	5564	89
23317	5513	88	23830	5559	89	24024	5583	90	24228	5564	89
23317	5567	90	23834	5663	95	24027	5460	86	24229	5564	89
23320	5380	83	23835	5663	95	24028	5570	90	24230	5580	90
23321	5533	89	23836	5663	95	24044	5492	86	24251	5512	88
23322	5533	89	23839	5464	86	24045	5562	89	24252	5410	84
23323	5380	83	23843	5613	92	24052	5453	85	24252	5562	89
23324	5674	95	23847	5530	89	24052	5629	93	27057	5425	84
23325	5396	84	23857	5678	95	24053	5453	85	30383	5614	92
23325	5449	85	23858	5645	93	24053	5629	93	84913	5498	87
23325	6009	103	23859	5588	91	24056	5609	92	11822A	5644	93
23325	6011	103	23874	5574	90	24060	5425	84	13969A	5778	100
23332	5437	85	23884	5575	90	24060	5660	94	13969A	6027	104
23346	5649	94	23886	5510	87	24063	5440	85	20017A	5514	88
23355	5378	83	23893	5423	84	24063	6011	103	20776A	5584	90
23356	5523	88	23893	5467	86	24064	5440	85	20970A	5793	101
23357	5523	88	23895	5587	91	24064	6011	103	13873CP	5536	89
23358	5378	83	23896	5574	90	24065	5440	85	2035075	5406	84
23368	5523	88	23897	5526	88	24065	6011	103	2035331	5406	84
23370	5562	89	23897	5674	95	24068	5440	85	2205682	5514	88
23542	5492	86	23902	5508	87	24068	6011	103	2035075A	5406	84
23547	5395	84	23905	5604	92	24070	5464	86			
23558	5509	87	23914	5493	86	24075	5582	90	<b>Lexus</b>	<b>Nº ZEN</b>	<b>Pg.</b>
23558	5513	88	23917	5522	88	24077	5561	89	270600P140	5503	87
23558	5567	90	23917	5607	92	24077	6010	103	270600P141	5503	87
23561	5643	93	23922	5396	84	24078	5453	85	270600P150	5503	87
23627	5422	84	23922	5449	85	24078	5629	93	270600P151	5503	87
23744	5435	85	23922	6009	103	24078	5629	93	270600P240	5503	87
23770	5381	83	23922	6011	103	24079	5453	85	270600P241	5503	87
23770	5383	83	23923	5440	85	24079	5629	93	270600Q070	5809	102
23771	5381	83	23923	6011	103	24080	5453	85	270600Q150	5809	102
23775	5458	86	23924	5396	84	24080	5629	93	270600Q151	5809	102
23790	5459	86	23924	5449	85	24085	5379	83	270600Q170	5809	102
23791	5459	86	23924	6009	103	24085	5642	93	270600Q190	5809	102
23792	5396	84	23925	5580	90	24086	5496	87	270600Y230	5572	90
23792	5449	85	23941	5592	91	24090	5378	83	270600Y350	5572	90
23792	6009	103	23945	5527	88	24092	5454	85	2706031040	5503	87
23797	6011	103	23947	5609	92	24094	5454	85	2706031041	5503	87
23798	6013	103	23950	5493	86	24095	5454	85	2706031042	5503	87
23802	5454	85	23964	5494	86	24101	5673	95	2706031050	5503	87
23804	5454	85	23971	5591	91	24102	5673	95	2706031051	5503	87
23806	5576	90	23973	5450	85	24107	5682	95	2706031052	5503	87
23807	5576	90	23973	5675	95	24109	5628	93	2706031060	5503	87
23808	5576	90	23975	5423	84	24110	5609	92	2706031061	5503	87
23816	5532	89	23975	5467	86	24112	5742	98	2706031062	5503	87
						24117	5493	86	2706031201	5503	87

Lexus	Nº ZEN	Pg.
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2706040030	5809	102
2706047190	5572	90
2706047191	5572	90
SU001A4985	5800	101
SU001A4986	5800	101
SU001A6341	5800	101
SU001A6527	5815	102
SU001A7070	5800	101
Lucas	Nº ZEN	Pg.
LRA03949	5716	97
Lucas Indiel	Nº ZEN	Pg.
LRB507	5389	83
LRA1150	5429	85
LRA1846	5426	84
LRA1860	5534	89
LRA1990	5410	84
LRA2263	5456	86
LRA2295	5455	86
LRA2336	5456	86
LRA2804	5396	84
LRA2817	5396	84
LRA2847	5530	89
LRA01150	5429	85
LRA01846	5426	84
LRA01860	5534	89
LRA01990	5410	84
LRA02104	5460	86
LRA02251	5456	86
LRA02263	5456	86
LRA02295	5455	86
LRA02336	5456	86
LRA02338	5457	86
LRA02558	5452	85
LRA02804	5396	84
LRA02817	5396	84
LRA02847	5530	89
LRA02850	5536	89
LRA02861	5506	87
LRA02932	5507	87
LRA03033	5575	90
LRA03036	5562	89
LRA03084	5496	87
LRA03093	5522	88
LRA03179	5604	92
LRA03243	5586	91
LRA03291	5512	88
LRB00460	5423	84
LRB00460	5467	86
LRB00507	5389	83
Magneti Marelli	Nº ZEN	Pg.
6321743	5506	87
46765838	5379	83
Mako	Nº ZEN	Pg.
1498518	5638	93

Mako	Nº ZEN	Pg.
4461712	5638	93
2C1T10300BA	5638	93
R2C1T10300BA	5638	93
Man	Nº ZEN	Pg.
MAN7425	6011	103
MAN7495	6011	103
51261017237	5534	89
Mando	Nº ZEN	Pg.
AF111382	5459	86
AF111393	5459	86
Mazda	Nº ZEN	Pg.
BPE818300	5419	84
BPE918300	5419	84
FS0518300	5419	84
L3H518300	5499	87
L8Y018330	5511	88
L8Y018330	5612	92
LF1818300	5511	88
LF1818300	5612	92
RF5C18300	5527	88
RF5C18W11	5527	88
RF8G18300	5527	88
RF8P18300	5797	101
S51C18300	5652	94
S51L18300	5652	94
S51W18300	5652	94
S55118300	5652	94
SH0118300	5652	94
SH1N18300	5652	94
Y40118300	5457	86
Y40218300	5437	85
Y40518300	5629	93
Y40618300	5629	93
Y60118300	5501	87
Z66818300	5511	88
Z66818300	5612	92
GY0118300E	5438	85
GY0118300F	5419	84
GY0118300G	5419	84
GY0118300H	5419	84
GY0118300J	5419	84
K80118300A	5438	85
K80118300B	5438	85
K80118300C	5438	85
K80118300D	5438	85
L3H518300A	5499	87
L3M618300A	5597	91
L3M618300B	5597	91
L3M618300C	5597	91
R2AA18300A	5527	88
R2AA18300B	5527	88
RF7J18300A	5527	88
RF8G18300A	5527	88
RF8P18300A	5797	101
RF8P18300B	5797	101

Mazda	Nº ZEN	Pg.
Y66518300A	5801	101
Z66818300A	5511	88
Z66818300A	5612	92
K80118300AT	5438	85
L3M618300ROA	5597	91
Melco	Nº ZEN	Pg.
9G128	5507	87
8GM128	5507	87
8GM135	5507	87
1800A271	5662	95
1800A334	5662	95
A2TJ0481	6004	103
A2TJ1081	5607	92
A2TX0281	6004	103
A3TB4981	5527	88
A3TB6581	5527	88
A3TJ0781	5607	92
A3TJ2581	6004	103
A002TC0982	5423	84
A002TC0982	5467	86
A003TB4981	5527	88
A004TJ0581	5585	90
A004TJ0582	5585	90
A2TJ0481ZC	6004	103
A3TJ0781AE	5607	92
A3TJ0781ZE	5607	92
A3TJ2581ZC	6004	103
A003TG5281ZE	5587	91
A004TJ0582ZE	5585	90
A005TG0881ZE	5587	91
Mercedes Benz	Nº ZEN	Pg.
A12384	5395	84
1500550	5410	84
1501750	5410	84
1501950	5494	86
1502250	5445	85
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1502550	5410	84
1540650	5410	84
1541650	5410	84
1542050	5410	84
1542450	5410	84
1542850	5410	84
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0009061903	5732	98
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0009062103	5784	100
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A080334	5563	89
A114841	5563	89
A140234	5563	89
A390564	5563	89
81549602	5377	83
91543002	5377	83
91544102	5377	83
91545802	5377	83
0091547102	5651	94
0091549802	5651	94
101500102	5377	83
0101540002	5738	98
101540502	5377	83
101540802	5377	83
101544702	5377	83
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101545402	5377	83
101545902	5393	84
101546402	5529	89
101546502	5529	89
0101548902	5681	95
101549402	5377	83
101549502	5393	84
101549602	5393	84
111540002	5377	83
111540602	5393	84
111540802	5377	83
111540902	5393	84
111542202	5377	83
111545402	5377	83
111546602	5395	84
111547002	5393	84
111547402	5395	84
111547802	5393	84
121540102	5574	90
121540602	5461	86
121540702	5395	84
121540802	5395	84
121541502	5395	84
121541702	5395	84
121542002	5395	84
121542202	5393	84
121542202	5395	84
121542402	5395	84
121544602	5395	84
121544802	5395	84
121545402	5395	84
121546302	5395	84
121549802	5463	86
131540002	5463	86
131540902	5566	89

Mercedes Benz	Nº ZEN	Pg.
131541002	5395	84
131541102	5395	84
131541302	5395	84
131541502	5395	84
131541702	5395	84
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131543202	5395	84
131543602	5393	84
131545802	5395	84
131545902	5463	86
131546402	5494	86
131547002	5494	86
141540702	5463	86
141541302	5494	86
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04801250AB	5581	90
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04801250AC	5581	90
04801250AD	5581	90
2661540902	5510	87
2661541202	5510	87
2661541302	5510	87
2711540102	5461	86
2711540202	5461	86
2711540602	5461	86
2711540802	5461	86
2711540902	5461	86
2711541002	5461	86
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2711541802	5644	93
6281540102	5494	86
6391500250	5574	90
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6461541502	5395	84
6681540102	5574	90
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A0141541102	5644	93
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A0141541502	5644	93
A0141542702	5395	84
A0141543902	5644	93

Mercedes Benz	Nº ZEN	Pg.
A4539063900	5492	86
A4539064000	5492	86
A4539064100	5492	86
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A6111550715	5395	84
A6421540302	5563	89
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A6461541502	5395	84
266154090215A	5510	87
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8GM140A	5520	88
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1800A053	5511	88
1800A053	5612	92
1800A121	5511	88
1800A121	5612	92
1800A155	5511	88
1800A155	5612	92
1800A288	5511	88
1800A288	5612	92
1800A388	5511	88
1800A388	5612	92
1800A452	5511	88
1800A452	5612	92
1800A459	5511	88
1800A459	5612	92
A2TB6481	5670	95
A2TC0982	5512	88
A2TJ0481	5507	87
A2TJ0481	6004	103
A2TN3381	5797	101
A2TX0281	5507	87
A2TX0281	6004	103
A2TX1781	5607	92
A2TX2081	5770	99
A2TX2881	5774	99
A2TX3081	5652	94
A2TX5081	5507	87
A3TB1081	5419	84
A3TG1581	5688	96
A3TG3181	5511	88
A3TG3181	5612	92
A3TG4381	5610	92
A3TJ0381	5520	88
A3TJ0381	6015	103
A3TJ1881	6015	103
A3TJ2581	5507	87
A3TJ2581	6004	103

Mitsubishi	Nº ZEN	Pg.
A3TN2581	5724	97
A3TX0581	5610	92
A3TX0781	5610	92
A4TF0091	5396	84
A4TJ0181	5406	84
A4TJ0182	5406	84
A4TJ0582	5585	90
MK667722	5599	91
MK667723	5599	91
MK667725	5599	91
MN960266	5574	90
MQ912500	5797	101
2TN3381ZC	5797	101
04801490AA	6004	103
A2TB1081A	5419	84
A2TN3381B	5797	101
A2TX1081A	5662	95
A2TX1081B	5662	95
A2TX2381A	5610	92
A2TX2382A	5806	101
A2TX2781A	5774	99
A2TX2881A	5774	99
A2TX5081A	5507	87
A3TB1081A	5419	84
A3TB1081B	5419	84
A3TN2581A	5724	97
A3TX0782A	5806	101
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A002TX0881	5612	92
A002TX2081	5770	99
A002TX2581	5780	100
A002TX2681	5780	100
A002TX2881	5774	99
A002TX3081	5652	94
A003TG0081	5612	92
A003TG2881	5612	92
A003TG3181	5612	92
A003TG4381	5610	92
A003TJ0182	5612	92
A003TL0081	5612	92
A003TN2581	5724	97
A003TN3381	5797	101
A003TX0581	5610	92
A003TX0781	5610	92
A004TF0091	5396	84
A004TJ0084	5678	95
A004TJ0181	5612	92
A2TG0881ZC	5582	90
A2TG1081ZT	5607	92
A2TJ0481ZC	5507	87
A2TJ0481ZC	6004	103
A2TJ1881ZC	5694	96
A2TN3381ZA	5797	101
A2TX4381ZC	5773	99



Mitsubishi	Nº ZEN	Pg.
A3TJ0381ZC	6015	103
A3TJ2581ZC	5507	87
A3TJ2581ZC	6004	103
A3TV0981ZT	5774	99
A4TJ0181ZC	5406	84
A4TJ0182ZC	5406	84
A4TJ0582ZC	5585	90
A5TE0281ZE	5808	101
A5TL0781ZT	5814	102
A002TX028ZC	6004	103
A002TX2381A	5610	92
A002TX2881A	5774	99
A002TX5081A	5507	87
A003TG0081A	5612	92
A004TJ0084A	5678	95
A004TJ0084B	5678	95
A004TJ0084C	5678	95
A3TJ03881ZC	5520	88
A002TJ0481ZC	5507	87
A002TJ0481ZC	6004	103
A002TJ1881ZC	5694	96
A002TN3381ZC	5797	101
A002TV0081ZE	5815	102
A002TX0281ZC	5507	87
A002TX0281ZC	6004	103
A002TX1981ZT	5612	92
A002TX2581ZC	5780	100
A002TX2681ZC	5780	100
A003TJ0181ZC	5612	92
A003TV0281AE	5815	102
A003TV0981ZT	5774	99
A004TJ0181ZC	5612	92
8General Motors140A	5520	88
Motorcraft	Nº ZEN	Pg.
GL547	5497	87
GL598	5406	84
Nissan	Nº ZEN	Pg.
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231000012R	5564	89
231000057R	5492	86
2310000Q0B	5432	85
2310000Q0D	5423	84
2310000Q0D	5467	86
2310000Q0H	5492	86
2310000Q0M	5575	90
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2310000Q2C	5423	84
2310000Q2C	5467	86
2310000Q2E	5492	86
2310000Q2H	5676	95
2310000Q2J	5575	90
2310000Q4K	5492	86
2310000Q5F	5492	86
2310000QA1	5670	95

Nissan	Nº ZEN	Pg.
2310000QA9	5423	84
2310000QA9	5467	86
2310000QAL	5432	85
2310000QBB	5423	84
2310000QBB	5467	86
2310000QBD	5432	85
2310000QBH	5423	84
2310000QBH	5467	86
2310000QBJ	5676	95
231000803R	5492	86
231001568R	5492	86
231001910R	5492	86
231001AT1A	5607	92
231001BN1A	5614	92
231001FC1A	5582	90
231001HH1B	5614	92
231001KA1C	5614	92
231001KA2M	5614	92
231001KM1A	5582	90
231001KM1B	5582	90
231001KM1M	5582	90
231002243R	5492	86
231002501R	5582	90
231002854R	5492	86
231002FP1B	5582	90
231002W201	5431	85
231002W20A	5431	85
231003071R	5492	86
231003HD1A	5612	92
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231003HM1B	5614	92
231003HN1A	5511	88
231003HN1A	5612	92
231003HN1B	5511	88
231003HN1B	5612	92
231003LN0A	5773	99
231003RA2B	5653	94
231003RC2B	5653	94
231003RZ1A	5773	99
231003SH2B	5653	94
231003TA1B	5694	96
231003TC1A	5582	90
231003TS1A	5582	90
231003TU1B	5694	96
231003VS1A	5511	88
231003VS1A	5612	92
231003VS5M	5511	88
231003VS5M	5612	92
231003XA0A	5614	92
231003XA0A	5774	99
231003XA1A	5614	92
231003XA1A	5774	99
231003XA2A	5614	92
231003XA2A	5774	99

Nissan	Nº ZEN	Pg.
231003XA3A	5774	99
231003XA4A	5774	99
231003XN1A	5774	99
231003XN2A	5774	99
231004784R	5492	86
231004BA0A	5775	99
231004BA0B	5775	99
231004BA0C	5775	99
231004BB0A	5565	89
231004BB0B	5565	89
231004BB0C	5565	89
231004BE0B	5492	86
231004FN1B	5582	90
231004HH3A	5784	100
231004JA0A	5792	100
231004JA0B	5792	100
231004JM0A	5805	101
231004JM0B	5805	101
231004KD0A	5805	101
231004KD0B	5796	101
231004KJ0A	5614	92
231004KJ0B	5614	92
231004KV0B	5796	101
231005079R	5492	86
231005424R	5492	86
231005FF2A	5808	101
231005FF2B	5808	101
231005FN3A	5492	86
231005JU0A	5614	92
231005ME1A	5614	92
231005X21A	5614	92
231005X25M	5614	92
231006007R	5492	86
231006754R	5582	90
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231008593R	5492	86
231008J000	5500	87
231009350R	5492	86
231009412R	5582	90
23100A4400	5715	97
23100A4420	5715	97
23100AU00A	5500	87
23100AU400	5500	87
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23100AU40A	5500	87
23100AU40D	5500	87
23100AU410	5735	98
23100AU420	5500	87
23100AU420	5715	97
23100AU424	5500	87
23100AU424	5715	97
23100BN700	5423	84
23100BN700	5467	86
23100BN701	5423	84
23100BN701	5467	86

Nissan	Nº ZEN	Pg.
23100BN704	5423	84
23100BN704	5467	86
23100BR01A	5614	92
23100CJ41B	5582	90
23100EB310	5522	88
23100EB310	5607	92
23100EB315	5607	92
23100EB31A	5522	88
23100EB31B	5607	92
23100EB71A	5607	92
23100ED000	5582	90
23100EE51B	5582	90
23100EL010	5582	90
23100EM01B	5582	90
23100EM02C	5582	90
23100EN20B	5715	97
23100HA00A	5797	101
23100HG00B	5784	100
23100JA02A	5569	90
23100JA02B	5569	90
23100JD200	5582	90
23100JD21A	5582	90
23100JD22M	5582	90
23100JD71A	5584	90
23100JG71A	5584	90
23100JN81A	5582	90
23100JXA0A	5614	92
23100JXN0A	5614	92
23100VC100	5431	85
23100VC101	5431	85
23100VC201	5431	85
23100ZW40A	5582	90
23100ZW40B	5582	90
231503TA1B	5694	96
231504KJ0A	5614	92
231504KJ0B	5614	92
231513HD1A	5511	88
231513HD1A	5612	92
231513TA1A	5694	96
231513XN2A	5774	99
231515X21B	5614	92
23700AA78A	5612	92
23700AA790	5612	92
2706027040	5424	84
2706027060	5424	84
2706027070	5424	84
2706027080	5424	84
2706027090	5424	84
296D01FB0A	5783	100
296D0ED300	5783	100
7711497095	5676	95
A002TC0981	5423	84
A002TC0981	5467	86
A3TG2681AE	5522	88
A3TG2681ZE	5522	88

Nissan	Nº ZEN	Pg.
F000BL06X6	5805	101
23100EM01BR	5582	90
23100675412R	5582	90
Opel	Nº ZEN	Pg.
1202117	5625	92
1202118	5626	92
1202119	5623	92
1202120	5622	92
1202187	5623	92
1202188	5623	92
1202189	5623	92
1202190	5622	92
1202191	5623	92
1202215	5623	92
1202235	5622	92
1202243	5628	93
1202244	5622	92
1202263	5622	92
1202269	5802	101
1202284	5622	92
1202309	5623	92
1202310	5622	92
1202310	5623	92
1202318	5623	92
1202331	5682	95
1202342	5623	92
1202368	5802	101
1202375	5791	100
1202435	5622	92
1202480	5791	100
1204158	5454	85
1204180	5622	92
1204192	5492	86
1204195	5781	100
1204292	5622	92
1204618	5454	85
1204619	5454	85
1204621	5623	92
1204622	5623	92
1204623	5623	92
1204642	5623	92
1204651	5682	95
1204654	5622	92
3229990	5532	89
3640951	5790	100
4403540	5410	84
4416689	5492	86
4417295	5432	85
4430591	5410	84
4430595	5410	84
4434149	5492	86
4818330	5677	95
4819446	5677	95
5204246	5530	89
6204113	5508	87

Opel	Nº ZEN	Pg.
6204113	6007	103
6204171	5674	95
6204173	5508	87
6204173	6007	103
6204180	5449	85
6204181	5449	85
6204183	5454	85
6204195	5530	89
6204197	5454	85
6204198	5454	85
6204199	5454	85
6204200	5454	85
6204201	5440	85
6204212	5440	85
6204213	5440	85
6204218	5641	93
6204234	5674	95
6204257	5440	85
6204258	5440	85
6204259	5440	85
6204261	5440	85
6204273	5440	85
6204280	5440	85
6204287	5454	85
9117936	5455	86
9173572	5455	86
9195336	5455	86
9199575	5508	87
9512182	5530	89
9512794	5455	86
12799630	5710	97
13117278	6009	103
13125525	5674	95
13153237	6011	103
13156054	5530	89
13222933	5641	93
13222934	6011	103
13222935	6011	103
13222936	6011	103
13229990	6012	103
13229991	5532	89
13229991	6012	103
13229992	5532	89
13229992	6012	103
13256932	6011	103
13266809	5590	91
13266810	5590	91
13283343	5449	85
13283344	5449	85
13284408	5596	91
13308506	5532	89
13308506	6012	103
13308507	5532	89
13308508	5532	89
13308508	6012	103

Opel	Nº ZEN	Pg.
13500186	5625	92
13500187	5626	92
13500314	5623	92
13500329	5623	92
13500332	5682	95
13500577	5622	92
13500582	5622	92
13500583	5623	92
13500586	5623	92
13502581	5623	92
13502582	5623	92
13502583	5624	92
13502593	5623	92
13502594	5623	92
13502595	5622	92
13502987	5623	92
13579626	5626	92
13579666	5622	92
13581893	5628	93
24415914	5508	87
24415914	6007	103
24455913	5508	87
24455913	6007	103
24455914	5508	87
24455914	6007	103
38189248	5530	89
52075443	5455	86
90561972	5455	86
93161923	5432	85
93172075	5508	87
93172080	5508	87
93175808	5455	86
93175957	5455	86
93175988	5674	95
93176035	5508	87
93176035	5611	92
93177834	5455	86
93180098	5576	90
93180102	5576	90
93180104	5576	90
93186763	5611	92
93187415	5710	97
93189236	5674	95
93189268	5530	89
93190828	5508	87
93190894	5611	92
93191921	5532	89
93191921	6012	103
93191922	5532	89
93191922	6012	103
95515961	5682	95
95524683	5790	100
95526496	5790	100
555559583	5611	92
704114923	6009	103

Opel	Nº ZEN	Pg.
13117278YP	5396	84
13117279YQ	5396	84
13283344BW	6009	103
9820893880	5790	100
YZ13153237	6011	103
ZR13197577	5396	84
Peugeot	Nº ZEN	Pg.
570200	5453	85
5702G3	5643	93
5702J0	5587	91
5702J3	5587	91
5703A4	5815	102
57054F	5396	84
57054F	5437	85
57055H	5396	84
57055J	5396	84
5705A1	5437	85
5705AA	5437	85
5705AS	5450	85
5705AS	5453	85
5705AS	5629	93
5705AX	5453	85
5705CJ	5561	89
5705EE	5453	85
5705EH	5663	95
5705EJ	5561	89
5705ER	5396	84
5705ER	5437	85
5705EY	5453	85
5705EY	5629	93
5705GC	5396	84
5705GC	5437	85
5705KG	5565	89
5705KG	5587	91
5705KL	5663	95
5705KN	5663	95
5705KQ	5587	91
5705NR	5643	93
5700000	5453	85
96460654	5450	85
96463218	5450	85
1608726580	5662	95
1610815380	5790	100
1611285580	5800	101
1612352080	5809	102
1612352280	5809	102
1612458880	5800	101
1612817080	5800	101
1616897280	5815	102
9646065480	5450	85
9646321880	5450	85
9662731680	5586	91
9670899580	5629	93
9678178280	5790	100
9805343480	5815	102

Peugeot	Nº ZEN	Pg.
9809200480	5815	102
9810525380	5800	101
9810527180	5800	101
9818962280	5815	102
9824742880	5815	102
9827171980	5815	102
9827175380	5815	102
B000771980	5742	98
B000911980	5809	102
B000912080	5742	98
B000912180	5809	102
Pic	Nº ZEN	Pg.
220275D	5381	83
Poong Sung	Nº ZEN	Pg.
21319110	5460	86
21319111	5460	86
21319112	5460	86
21319280	5572	90
21319311	5460	86
21319320	5572	90
21319321	5572	90
Porsche	Nº ZEN	Pg.
91660301200	5515	88
91660301201	5515	88
95560301700	5649	94
99660301200	5515	88
99660301201	5515	88
99660301202	5515	88
99660301203	5515	88
99660301204	5515	88
99660301205	5515	88
99760300203	5515	88
99760301201	5515	88
99760301203	5515	88
99760301205	5515	88
99760301207	5515	88
99760302200	5515	88
99760302201	5515	88
99760302203	5515	88
99760302205	5515	88
9A160301400	5663	95
9A160301801	5663	95
9A160301802	5663	95
PSA	Nº ZEN	Pg.
9653459080	5561	89
RCP	Nº ZEN	Pg.
13156054	5455	86
Regitar	Nº ZEN	Pg.
2205137	5395	84
Reliance	Nº ZEN	Pg.
13831	5383	83
31260	5383	83
Remy	Nº ZEN	Pg.
8400430	5716	97
DRA0232	5724	97

Remy	Nº ZEN	Pg.
DRA0339	5562	89
DRA0371	5496	87
DRA0392	5507	87
DRA0432	5522	88
DRA0478	5512	88
DRA0608	5586	91
DRA0646	5536	89
DRA0775	5506	87
DRA0929	5603	92
DRA1168	5729	98
DRA4174	5460	86
DRA4247	5457	86
DRA3794N	5454	85
Renault	Nº ZEN	Pg.
404465	5584	90
571531	5584	90
654785	5584	90
704114923	5396	84
231000012R	5564	89
231000387R	5712	97
231003730R	5647	94
231004JMOA	5805	101
231004JMOB	5805	101
231004KV0B	5796	101
231005FF0A	5712	97
231007582R	5712	97
7470936368	5808	101
7700101274	5423	84
7700101274	5467	86
7700421477	5423	84
7700421477	5467	86
7700426849	5410	84
7700426849	5432	85
7700426879	5410	84
7700427474	5410	84
7700429217	5423	84
7700429217	5467	86
7700429310	5423	84
7700429310	5467	86
7700434899	5423	84
7700434899	5467	86
7700434900	5423	84
7700434900	5467	86
7701066397	5526	88
7701066399	5526	88
7701473614	5432	85
7701473636	5423	84
7701473636	5467	86
7701473637	5423	84
7701473637	5467	86
7701474326	5423	84
7701474326	5467	86
7701476808	5676	95
7701476809	5423	84
7701476809	5467	86

Renault	Nº ZEN	Pg.
7701477001	5432	85
7701477694	5423	84
7701477694	5467	86
7701477710	5423	84
7701477710	5467	86
7701477711	5423	84
7701477711	5467	86
7701477712	5423	84
7701477712	5467	86
7701478093	5676	95
7711134312	5432	85
7711134316	5410	84
7711134316	5432	85
7711368727	5585	90
7711497090	5670	95
7711497095	5676	95
8200019706	5423	84
8200019706	5467	86
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8200030635	5423	84
8200030635	5467	86
8200053938	5670	95
8200054588	5389	83
8200086130	5432	85
8200100907	5676	95
8200102907	5670	95
8200120286	5670	95
8200121413	5389	83
8200122976	5423	84
8200122976	5467	86
8200159642	5389	83
8200162474	5410	84
8200162474	5432	85
8200229907	5523	88
8200251006	5492	86
8200262318	5564	89
8200323137	5423	84
8200323137	5467	86
8200325823	5528	89
8200356669	5492	86
8200360480	5525	88
8200360481	5525	88
8200373636	5670	95
8200390667	5575	90
8200390675	5528	89
8200390675	5575	90
8200390676	5575	90
8200404459	5562	89
8200459716	5630	93
8200495301	5432	85
8200495302	5432	85
8200537415	5423	84
8200537415	5467	86
8200538407	5410	84
8200538815	5432	85

Renault	Nº ZEN	Pg.
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8200590255	5432	85
8200660022	5492	86
8200660033	5526	88
8200660033	5575	90
8200660034	5575	90
8200660040	5423	84
8200660040	5467	86
8200660057	5585	90
8200660822	5492	86
8200667607	5575	90
8200667608	5423	84
8200667608	5467	86
8200667609	5423	84
8200667609	5467	86
8200690199	5410	84
8200726639	5492	86
8200728292	5575	90
8200854119	5562	89
8200901783	5492	86
8200960533	5585	90
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8800030635	5467	86
8800385098	5423	84
8800385098	5467	86
8800386806	5423	84
8800386806	5467	86
9665617780	5629	93
Romaine	Nº ZEN	Pg.
11026N	5406	84
3613832	5383	83
Saab	Nº ZEN	Pg.
5350087	5526	88
5350087	5674	95
12755484	5508	87
12755484	6007	103
12757362	6007	103
12757363	5508	87
12757363	6007	103
12759595	5528	89
12785604	6007	103
12803492	6007	103
15288860	5498	87
93180104	5576	90
93189253	5710	97
Scania	Nº ZEN	Pg.
12757362	6007	103
Seat	Nº ZEN	Pg.
3R0903023	5514	88
059903024E	5817	102
059903024F	5817	102
06A903023B	5697	96
06A903023G	5697	96
06D903016A	5448	85
06J903023C	5448	85

Seat	Nº ZEN	Pg.
06B903016AE	5448	85
Skoda	Nº ZEN	Pg.
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059903024F	5817	102
Smart	Nº ZEN	Pg.
4539063900	5492	86
Ssangyong	Nº ZEN	Pg.
1611544002	5726	98
1721543002	5726	98
1731540102	5803	101
1731540202	5803	101
6711540202	5726	98
6711540302	5726	98
6711540402	5726	98
6731544002	5803	101
A6721540102	5816	102
Steyr	Nº ZEN	Pg.
7532968	5456	86
7532969	5458	86
12757362	6007	103
13229992	5532	89
111545402	5377	83
131540902	5566	89
Steyr Motors	Nº ZEN	Pg.
7575650	5643	93
Subaru	Nº ZEN	Pg.
23700AA590	5610	92
23700AA640	5610	92
23700AA660	5610	92
23700AA661	5610	92
23700AA662	5610	92
23700AA730	5610	92
23700AA731	5610	92
23700AA732	5610	92
23700AA791	5511	88
23700AA791	5612	92
23700AA910	5507	87
23700AA911	5507	87
23700AA921	5507	87
23700AA940	5806	101
23700AA941	5806	101
23700AA950	5806	101
23700AA951	5806	101
23700AB000	5507	87
23700AB030	5511	88
23700AB030	5612	92
23752AA150	5507	87
Suzuki	Nº ZEN	Pg.
3140000	5396	84
3140000	5449	85
3140000	6009	103
3140067J00	5656	94
3140067J10	5656	94
3140068D01	5437	85
3140068D02	5437	85

Suzuki	Nº ZEN	Pg.
3140084A00	5724	97
3140084A10	5724	97
3140084A12	5724	97
31400T85E00	5396	84
3140067J00000	5656	94
3140067J10000	5656	94
Toyota	Nº ZEN	Pg.
Solara	6002	103
270600T40	6006	103
1012114720	5567	90
1022115600	5567	90
1042108020	5567	90
1042109010	5567	90
1042109011	5567	90
270600H110	5502	87
270600H110	6002	103
270600H111	5502	87
270600H111	6002	103
270600L010	5567	90
270600L021	5567	90
270600L030	5452	85
270600L040	5452	85
270600L050	5452	85
270600L060	5452	85
270600L150	5452	85
270600L160	5567	90
270600N011	5601	91
270600N021	5613	92
270600N040	5658	94
270600N070	5659	94
270600N090	5794	101
270600N100	5794	101
270600P130	5503	87
270600P140	5503	87
270600P140	6005	103
270600P141	5503	87
270600P141	6005	103
270600P150	6005	103
270600P151	6005	103
270600P180	5503	87
270600P181	5503	87
270600P182	5503	87
270600P183	5503	87
270600P184	6005	103
270600P190	5503	87
270600P191	5503	87
270600P192	5503	87
270600P193	5503	87
270600P210	6005	103
270600P240	6005	103
270600P241	6005	103
270600Q070	5809	102
270600Q150	5809	102
270600Q151	5809	102
270600Q170	5809	102

Toyota	Nº ZEN	Pg.
270600Q190	5809	102
270600Q200	5795	101
270600T010	5728	98
270600T012	5728	98
270600T020	5728	98
270600T021	5728	98
270600T040	6006	103
270600T041	6006	103
270600T080	5728	98
270600T081	5728	98
270600T130	6006	103
270600T190	5728	98
270600T200	5728	98
270600T210	5728	98
270600T220	5728	98
270600T320	6006	103
270600T391	5745	99
270600V010	6006	103
270600V020	5762	99
270600V030	5762	99
270600V060	5684	96
270600V070	5762	99
270600Y040	5743	99
270600Y041	5743	99
270600Y060	5743	99
270600Y130	5820	102
270600Y150	5820	102
270600Y160	5820	102
270600Y230	5572	90
270600Y350	5572	90
2706028300	5502	87
2706028300	6002	103
2706028310	6002	103
2706028311	6002	103
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2706028321	5502	87
2706028340	5502	87
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2706028341	6002	103
2706030030	5567	90
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2706030050	5567	90
2706030060	5509	87
2706030120	5567	90
2706030121	5567	90
2706030123	5567	90
2706031030	5503	87
2706031030	6005	103
2706031031	5503	87
2706031031	6005	103
2706031040	6005	103
2706031041	6005	103
2706031042	6005	103
2706031050	6005	103

Toyota	Nº ZEN	Pg.
2706031051	6005	103
2706031052	6005	103
2706031060	6005	103
2706031061	6005	103
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2706031101	6005	103
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2706031111	6005	103
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2706033030	5588	91
2706033040	5588	91
2706033051	5592	91
2706033071	5613	92
2706033100	5658	94
2706036010	6006	103
2706036020	5762	99
2706036030	5762	99
2706036040	5762	99
2706036050	5684	96
2706036100	5696	96

Toyota	Nº ZEN	Pg.
2706036101	5696	96
2706037010	5428	85
2706037010	5613	92
2706037010	6006	103
2706037011	5428	85
2706037011	6006	103
2706037040	6006	103
2706037041	6006	103
2706037050	5428	85
2706037050	6006	103
2706037051	5428	85
2706037051	6006	103
2706037081	5428	85
2706037081	6006	103
2706038320	6002	103
2706038321	6002	103
2706040030	5809	102
2706047110	5820	102
2706047130	5820	102
2706047150	5820	102
2706047190	5572	90
2706047191	5572	90
2706047200	5820	102
2706047260	5820	102
2706047270	5820	102
2706054430	5567	90
2706067140	5567	90
2706075350	5503	87
2706075380	5503	87
2706075410	6001	103
2706075411	6001	103
2706075412	6001	103
274150Y020	5743	99
SU001A4985	5800	101
SU001A4986	5800	101
SU001A6341	5800	101
SU001A6527	5815	102
SU001A7070	5800	101
270600L170B	5452	85
270600H11184	6002	103
TRW	Nº ZEN	Pg.
LRB385	5383	83
LRB389	5381	83
LRB390	5383	83
LRB391	5383	83
Unipoint	Nº ZEN	Pg.
ALT2084	5381	83
Valeo	Nº ZEN	Pg.
9520	5437	85
420151	5778	100
420151	6027	104
420164	5687	96
420164	6026	103
437208	5432	85
437210	5396	84

Valeo	Nº ZEN	Pg.
437311	5423	84
437311	5467	86
437322	5389	83
437346	5411	84
437351	5432	85
437415	5574	90
437435	5456	86
437449	5456	86
437471	5629	93
437474	5449	85
437497	5449	85
437503	5449	85
437504	5449	85
437504	6009	103
437558	5423	84
437558	5467	86
437559	5423	84
437559	5467	86
437611	5455	86
437622	5423	84
437622	5467	86
439257	5396	84
439292	5432	85
439333	5411	84
439341	5432	85
439428	5374	83
439455	5574	90
439476	5456	86
439483	5495	87
439502	5453	85
439505	5449	85
439514	5518	88
439519	5435	85
439523	6009	103
439524	5396	84
439524	5449	85
439561	5423	84
439561	5467	86
439583	5563	89
439584	5423	84
439584	5467	86
439585	5644	93
439615	6009	103
439619	5644	93
439630	5604	92
439714	5667	95
440053	5563	89
440057	5644	93
440062	5423	84
440062	5467	86
440119	5460	86
440127	5673	95
440128	5673	95
440197	5604	92
440199	5629	93

Valeo	Nº ZEN	Pg.
440243	5602	91
440244	5602	91
494733	5729	98
494743	5712	97
542832	5453	85
57054F	5396	84
5705AS	5629	93
5705EY	5629	93
5705GC	5396	84
593521	5396	84
849149	5775	99
F9Q762	5410	84
1704925	5646	94
1763143	5646	94
2220158	5518	88
2542434	5374	83
2542500	5437	85
2542670	5449	85
2542753	5456	86
2542841	5396	84
2542850	5396	84
2542851	5396	84
2542861	5396	84
2542884	5396	84
2542966	5562	89
2543538	5604	92
2605359	5459	86
2606446	5680	95
2607574	5594	91
2607928	5594	91
2609013	5731	98
2609501	5731	98
2610428	5716	97
2610454	5713	97
2618819	5659	94
2619086	5716	97
2622499	5729	98
2625573	5716	97
2625918	5493	86
2650164	5687	96
2650164	6026	103
2650364	5569	90
2650491	5687	96
2650491	6026	103
2650579	5786	100
2655544	5680	95
2712046	5712	97
3602231	5410	84
4339585	5644	93
A14VI35	5396	84
A14VI35	5437	85
A14VI39	5687	96
A14VI39	6026	103
A14VI41	5437	85
FG9T013	5795	101

Valeo	Nº ZEN	Pg.
SG7S027	5518	88
SG9B033	5423	84
SG9B033	5467	86
SG9B039	5411	84
SG9B047	5423	84
SG9B047	5467	86
TG8S012	5449	85
TG8S013	5396	84
TG8S013	6009	103
TG8S016	6009	103
TG9B026	5453	85
TG9B044	5453	85
TG9S010	5449	85
TG9S015	5396	84
TG9S015	5449	85
TG9S015	6009	103
TG9S016	5396	84
TG9S016	6009	103
TG9S021	5396	84
TG9S021	6009	103
TG9S022	5396	84
TG9S022	6009	103
TG9S027	6009	103
TG9S057	5667	95
TG9S132	5493	86
2541445B	6026	103
2542234A	5380	83
2542347A	5411	84
2542420A	5423	84
2542420A	5467	86
2542420B	5423	84
2542420B	5467	86
2542420C	5423	84
2542420C	5467	86
2542445A	5687	96
2542445A	6026	103
2542466A	5389	83
2542466B	5389	83
2542466D	5389	83
2542548A	5423	84
2542548A	5467	86
2542582A	5461	86
2542582B	5461	86
2542670A	5449	85
2542670B	5449	85
2542850A	5396	84
2542851A	5396	84
2600730A	5687	96
2600730A	6026	103
2606436A	5801	101
2610711D	5629	93
2610715B	5565	89
2612672B	5801	101
2612685B	5801	101
2616938B	5565	89

Valeo	Nº ZEN	Pg.	Valeo	Nº ZEN	Pg.	Valeo	Nº ZEN	Pg.	Valeo	Nº ZEN	Pg.
2617232A	5775	99	FG20S016	5514	88	TG12C052	5623	92	TG15C130	5644	93
2623463C	5795	101	FG23S032	5623	92	TG12C059	5565	89	TG15C133	5644	93
2624327A	5800	101	FG23S033	5623	92	TG12C061	5565	89	TG15C134	5629	93
2624343B	5816	102	NRG9S017	5712	97	TG12C063	5644	93	TG15C139	5778	100
2624344C	5816	102	NRG9S018	5712	97	TG12C069	5623	92	TG15C139	6027	104
2624865B	5810	102	NRG9S019	5712	97	TG12C070	5623	92	TG15C142	5562	89
2624866A	5810	102	SG10B016	5423	84	TG12C074	5623	92	TG15C149	5514	88
2650073B	5687	96	SG10B016	5467	86	TG12C079	5801	101	TG15C158	5786	100
2650073B	6026	103	SG10B017	5374	83	TG12C085	5741	98	TG15C159	5786	100
2650164A	5687	96	SG10B019	5389	83	TG12C103	5623	92	TG15C165	5514	88
2650164A	6026	103	SG10B020	5423	84	TG12C105	5623	92	TG15C177	5697	96
2710910A	5712	97	SG10B020	5467	86	TG12C106	5629	93	TG15C201	5697	96
2712406A	5816	102	SG10B032	5389	83	TG12C107	5646	94	TG15C211	5800	101
2718653A	5712	97	SG10B034	5435	85	TG12C108	5714	97	TG15S010	5687	96
03L903023	5378	83	SG10B064	5389	83	TG12C122	5801	101	TG15S010	6026	103
A13V1171	5389	83	SG11B010	5456	86	TG12C123	5664	95	TG15S051	5778	100
A13V1202	5411	84	SG12B010	5380	83	TG12C126	5664	95	TG15S051	6027	104
A13V1257	5411	84	SG12B012	5380	83	TG12C152	5775	99	TG15S089	5687	96
A13V1289	5389	83	SG12B017	5410	84	TG12C231	5664	95	TG15S089	5778	100
A13V1292	5389	83	SG12B019	5389	83	TG12C244	5801	101	TG15S089	6027	104
A13V1297	5389	83	SG12B050	5432	85	TG12C267	5801	101	TG15S107	5687	96
B2220147	5435	85	SG12B062	5461	86	TG12C305	5729	98	TG15S107	5778	100
CG20U030	5816	102	SG12B071	5410	84	TG12T039	5653	94	TG15S107	6027	104
CG20U034	5816	102	SG12B089	5423	84	TG13S011	5623	92	TG17C041	5644	93
CG25S044	5816	102	SG12B089	5467	86	TG13S019	5623	92	TG17C061	5644	93
FG10T011	5716	97	SG12B095	5432	85	TG13S023	5741	98	TG23C017	5644	93
FG12S031	5623	92	SG12B096	5410	84	TG13S027	5623	92	TG23C022	5644	93
FG15S027	5761	99	SG12B105	5423	84	TG14C012	5493	86	211072577	5565	89
FG15S046	5772	99	SG12B105	5467	86	TG14C020	5514	88	213014410	5643	93
FG15S065	5785	100	SG12B108	5432	85	TG14C023	5514	88	213067203	5565	89
FG15S091	5785	100	SG12B116	5432	85	TG14C027	5493	86	215071569	5800	101
FG15T036	5644	93	SG14B017	5456	86	TG14C028	5493	86	216181351	5629	93
FG15T044	5565	89	SG15L012	5574	90	TG14C034	5514	88	36500164A	6026	103
FG15T052	5801	101	SG15L026	5574	90	TG14C040	5697	96	038903023S	5378	83
FG15T063	5646	94	SG15S019	5437	85	TG14C043	5514	88	038903024G	5378	83
FG15T072	5565	89	TG11C011	5676	95	TG14C068	5514	88	03C903025D	5378	83
FG15T074	5801	101	TG11C027	5575	90	TG14C071	5729	98	03D903025D	5374	83
FG15T076	5646	94	TG11C034	5423	84	TG14C075	5729	98	03D903025E	5374	83
FG15T079	5644	93	TG11C034	5467	86	TG14C114	5786	100	03D903025H	5374	83
FG17T010	5646	94	TG11C048	5493	86	TG15C013	5687	96	03D903025J	5374	83
FG18D057	5623	92	TG11C062	5676	95	TG15C013	6026	103	03G903016A	5378	83
FG18D111	5623	92	TG11C064	5423	84	TG15C020	5453	85	03L903023A	5378	83
FG18S012	5644	93	TG11C064	5467	86	TG15C028	5453	85	03L903023E	5378	83
FG18S017	5453	85	TG11C076	5680	95	TG15C046	5687	96	03L903023F	5378	83
FG18S019	5623	92	TG11C086	5493	86	TG15C046	5778	100	03P903023D	5378	83
FG18S022	5604	92	TG12B017	5410	84	TG15C046	6027	104	03P903023E	5378	83
FG18S045	5623	92	TG12B071	5410	84	TG15C051	5687	96	417004697	5816	102
FG18S047	5644	93	TG12B096	5410	84	TG15C053	5453	85	417013323	5816	102
FG18S052	5623	92	TG12B110	5410	84	TG15C058	5562	89	419005229	5816	102
FG18S141	5623	92	TG12B123	5410	84	TG15C089	6026	103	06F903023C	5378	83
FG18T062	5514	88	TG12C021	5565	89	TG15C107	5778	100	06F903023D	5378	83
FG18T063	5697	96	TG12C032	5569	90	TG15C107	6026	103	06F903023E	5378	83
FG18T074	5697	96	TG12C036	5623	92	TG15C107	6027	104	06F903023F	5378	83
FG18T117	5697	96	TG12C038	5629	93	TG15C114	5786	100	06F903023H	5378	83
FG20S014	5514	88	TG12C040	5741	98	TG15C118	5629	93	FGN12S102	5819	102

Valeo	Nº ZEN	Pg.
FGN18S130	5644	93
FGN20S031	5810	102
FGN20S032	5810	102
Y40518300	5629	93
Y40618300	5629	93
2310000QQA	5410	84
2310000Q1F	5410	84
2310000QA7	5410	84
2310000QAM	5410	84
2310000QBE	5410	84
6421540502	5563	89
8200538402	5410	84
9655296080	5453	85
G15S046SPY	5772	99
8V2110300AB	5629	93
8V2110300BB	5629	93
BV6N10300AA	5646	94
BV6N10300BB	5646	94
A003TG5291ZE	5565	89
Vauxhall	Nº ZEN	Pg.
1202269	5802	101
1202368	5802	101
5204246	5530	89
9512182	5530	89
13588330	5682	95
38189248	5530	89
93189268	5530	89
95515961	5682	95
R1530025	5455	86
R1530084	5530	89
13117278YP	5396	84
13117279YQ	5396	84
ZR13197577	5396	84
Visteon	Nº ZEN	Pg.
600120404	5408	84
2015001004	5429	85
DCA1639IR1	5408	84
Volkswagen	Nº ZEN	Pg.
28903028	5382	83
28903031	5380	83
38903025	5385	83
04E903015	5729	98
06A903119	5697	96
06A903119	6014	103
06B903016	5448	85
06H903119	5697	96
06H903119	6014	103
06J903119	6014	103
06K903015	6014	103
06K903219	6014	103
70903024	5533	89
70903139	5533	89
71903023	5383	83
74903026	5425	84
78903016	5446	85

Volkswagen	Nº ZEN	Pg.
021903026B	5649	94
026903015M	5409	84
028903018A	5381	83
028903018B	5383	83
028903018X	5381	83
028903025J	5381	83
028903025Q	5381	83
028903026A	5381	83
028903026A	5384	83
028903026B	5381	83
028903026B	5384	83
028903026G	5381	83
028903027Q	5382	83
028903027S	5382	83
028903027T	5380	83
028903028F	5382	83
028903028J	5381	83
028903028L	5384	83
028903028P	5381	83
028903028P	5384	83
028903029A	5380	83
028903029B	5380	83
028903029D	5380	83
028903029E	5380	83
028903029N	5380	83
028903029Q	5380	83
028903029R	5380	83
028903029S	5380	83
028903029T	5380	83
028903031A	5380	83
377903015	5409	84
038903023G	5383	83
038903023H	5383	83
038903023J	5383	83
038903023P	5385	83
038903023T	5385	83
038903025A	5385	83
03C903023A	5493	86
03C903023B	5514	88
03C903023C	5493	86
03C903023G	5493	86
03C903023S	5493	86
03C903023T	5493	86
03C903025D	5493	86
03F903023D	5493	86
03F903023E	5493	86
03F903023F	5493	86
03G903016F	5514	88
03G903016G	5514	88
03G903016L	5514	88
03G903023F	5514	88
03L903023G	5378	83
03L903023Q	5514	88
03L903024R	5514	88
03L903024S	5514	88

Volkswagen	Nº ZEN	Pg.
045903023C	5514	88
045903023D	5514	88
045903023H	5514	88
048903015A	5409	84
048903017A	5409	84
04C903023C	5493	86
04C903023H	5729	98
04C903023J	5493	86
04C903023K	5729	98
04C903023L	5729	98
04C903023P	5493	86
04E903015A	5729	98
04E903021M	5729	98
04E903021N	5729	98
04E903021P	5729	98
04E903021Q	5729	98
04E903021R	5729	98
04E903023C	5729	98
04E903023G	5729	98
04E903023H	5729	98
04E903023L	5729	98
04E903024G	5729	98
04E903024J	5729	98
04E903025H	5729	98
058903016D	5387	83
059903018A	5595	91
059903018B	5595	91
059903018K	5595	91
059903018S	5595	91
059903023T	5595	91
059903024E	5817	102
059903024F	5817	102
06A903023B	6014	103
06A903023E	6014	103
06A903023F	5697	96
06A903023F	6014	103
06A903023G	6014	103
06B903016B	5376	83
06B903016E	5380	83
06B903016P	5448	85
06B903016Q	5448	85
06E903016N	5718	97
06E903016Q	5602	91
06E903016S	5602	91
06E903018L	5602	91
06F903023D	5514	88
06F903023L	5514	88
06F903023M	5514	88
06F903023N	5514	88
06F903023P	5514	88
06H903016J	5697	96
06H903016J	6014	103
06H903016L	5697	96
06H903016L	6014	103
06H903016S	5697	96

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06H903016S	6014	103
06H903017D	5697	96
06H903017D	6014	103
06H903017J	5697	96
06H903017J	6014	103
06H903017S	5697	96
06H903017S	6014	103
06H903017T	5697	96
06H903017T	6014	103
06H903018D	5697	96
06H903018D	6014	103
06H903018H	5697	96
06H903018H	6014	103
06H903018J	5697	96
06H903018J	6014	103
06H903018P	6014	103
06H903119A	6014	103
06H903119B	6014	103
06H903201C	6014	103
06H903201D	6014	103
06H903201H	6014	103
06H903219C	6014	103
06J903023A	6014	103
06J903023B	6014	103
06J903023C	5448	85
06J903023D	6014	103
06J903023G	5697	96
06J903023G	6014	103
06J903023H	6014	103
06J903023K	5697	96
06J903023K	6014	103
06J903023N	6014	103
06J903023P	5697	96
06J903023P	6014	103
06J903023R	5697	96
06J903023R	6014	103
06J903023T	5697	96
06J903023T	6014	103
6K0903028	5381	83
06K903015A	6014	103
06K903015B	6014	103
06K903023B	6014	103
06K903023D	6014	103
06K903023G	6014	103
06K903024A	6014	103
06L903024H	5811	102
070903024A	5533	89
070903024B	5533	89
070903024F	5533	89
070903024G	5533	89
070903024H	5533	89
070903139B	5533	89
070903139C	5533	89
070903139D	5533	89
071903016C	5388	83

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071903016D	5388	83
071903016D	5392	84
071903016G	5392	84
071903016H	5392	84
071903023A	5383	83
074903023C	5381	83
074903025A	5381	83
074903025B	5381	83
074903025C	5381	83
074903025D	5381	83
074903025L	5660	94
074903025S	5425	84
074903025S	5660	94
074903025T	5425	84
078903119G	5446	85
07K903023C	5505	87
07Z903021C	5533	89
07Z903021F	5533	89
028903018AX	5381	83
377903015A	5409	84
377903015H	5409	84
377903015J	5409	84
377903015N	5409	84
03C903023AX	5493	86
03C903023SX	5493	86
3D0820805E	5533	89
03L903024SX	5514	88
04C903023LX	5729	98
04E903021MX	5729	98
04E903021PX	5729	98
04E903024GX	5729	98
04E903025JX	5729	98
059903018SX	5595	91
06B903016AB	5448	85
06B903016AC	5448	85
06B903016AD	5380	83
06E903016NX	5718	97
06H903016LX	5697	96
06H903017JX	5697	96
06H903017TX	5697	96
06L903024HX	5811	102
074903025LX	5660	94
7H0820805E	5533	89
7H0820805F	5533	89
07K903023CX	5505	87
Volvo	Nº ZEN	Pg.
1704085	5648	94
1707062	5648	94
2542523	5432	85
3803645	5426	84
8111001	5426	84
8111122	5425	84
8111122	5426	84
8251071	5426	84
8251635	5389	83

Volvo	Nº ZEN	Pg.
8251635	5410	84
8251637	5389	83
8251638	5389	83
8251640	5389	83
8251641	5389	83
8251641	5410	84
8251641	5432	85
8251644	5389	83
8251644	5410	84
8251645	5389	83
8251646	5389	83
8251647	5389	83
8251647	5410	84
8251648	5389	83
8251648	5410	84
8251725	5410	84
8601699	5516	88
8601841	5426	84
8602185	5389	83
8602186	5389	83
8602276	5426	84
8602343	5426	84
8602356	5432	85
8602629	5426	84
8602710	5425	84
8602710	5426	84
8602714	5425	84
8602714	5426	84
8602806	5389	83
8602806	5432	85
8603262	5426	84
8603265	5426	84
8603268	5608	92
8603496	5608	92
8622786	5426	84
8637848	5426	84
8651665	5426	84
8676496	5426	84
8676498	5426	84
8676499	5426	84
8697585	5450	85
9442130	5425	84
9442827	5390	83
9459077	5426	84
9459092	5426	84
9459093	5425	84
9472908	5516	88
30620870	5432	85
30644945	5821	102
30658085	5426	84
30658087	5426	84
30659389	5801	101
30659675	5589	91
30659701	5801	101
30667103	5608	92

Volvo	Nº ZEN	Pg.
30667295	5504	87
30667787	5426	84
30667788	5426	84
30667894	5426	84
30667895	5426	84
30737529	5608	92
30773111	5668	95
30795169	5450	85
31110082	5686	96
31110085	5686	96
31260072	5589	91
31260073	5589	91
31285435	5646	94
31285436	5646	94
31285489	5589	91
31285592	5648	94
31285658	5801	101
31288154	5648	94
31288155	5648	94
31288879	5668	95
31288880	5668	95
31489212	5821	102
36000207	5668	95
36000209	5686	96
36000210	5686	96
36000220	5504	87
36000223	5450	85
36000613	5668	95
36000798	5450	85
36001101	5646	94
36001102	5646	94
36001116	5801	101
36001463	5608	92
36001497	5668	95
36001502	5801	101
36001811	5589	91
36001971	5801	101
36002013	5646	94
36002122	5646	94
36002231	5432	85
36002577	5648	94
36002584	5589	91
36002650	5589	91
36002816	5646	94
36010301	5589	91
36010302	5589	91
36011427	5821	102
36012360	5821	102
93160665	5410	84
93161425	5410	84
93189523	5410	84
360002090	5686	96
360002100	5686	96
30795422AA	5501	87
30795423AA	5501	87

Wilson	Nº ZEN	Pg.
90156325	5383	83
90156326	5383	83
90156329	5381	83
90156329	5383	83
Woodauto	Nº ZEN	Pg.
ALT10166	5383	83
ALT10211	5381	83
Worldwide	Nº ZEN	Pg.
12032	5383	83
12049	5383	83



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5374		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	39.5
	Z	9
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 106		CW/CCW Horário

5375		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	36.4
	Z	5.9
	OD1	61
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 106		CW/CCW Horário

5376		
	R	5
	RD	55.6
	ID	17.06
	S	16
	W	36.4
	Z	7.7
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 106		CW/CCW Horário

5377		
	R	6
	RD	56
	ID	17.06
	S	16
	W	42.7
	Z	15.5
	OD1	61
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 106		CW/CCW Horário

5378		
	R	6
	RD	56.2
	ID	17.06
	S	16
	W	42.7
	Z	15.15
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 107		CW/CCW Horário

5379		
	R	6
	RD	61.5
	ID	17.06
	S	17
	W	41.5
	Z	14
	OD1	65.5
	H	11
APLICAÇÃO Application / Aplicación Pg. 107		CW/CCW Horário

5380		
	R	5
	RD	56.2
	ID	17.06
	S	16
	W	36.4
	Z	5.6
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 108		CW/CCW Horário

5381		
	R	6
	RD	50
	ID	17.06
	S	16
	W	40.3
	Z	15.6
	OD1	54.05
	H	16
APLICAÇÃO Application / Aplicación Pg. 108		CW/CCW Horário

5382		
	R	5
	RD	56.2
	ID	17.06
	S	16
	W	36.6
	Z	5.8
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 109		CW/CCW Horário

5383		
	R	6
	RD	56
	ID	17.06
	S	16
	W	42.7
	Z	15.7
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 109		CW/CCW Horário

5384		
	R	5
	RD	56.2
	ID	17.06
	S	16
	W	42.4
	Z	18.3
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 109		CW/CCW Horário

5385		
	R	5
	RD	56.2
	ID	17.06
	S	16
	W	42.2
	Z	18.1
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 109		CW/CCW Horário

5387		
	R	5
	RD	55.6
	ID	17.06
	S	16
	W	36.6
	Z	7.7
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 110		CW/CCW Horário

5388		
	R	6
	RD	56.2
	ID	17.06
	S	16
	W	36.4
	Z	7.6
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 110		CW/CCW Horário

5389		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	41.7
	Z	11.2
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 110		CW/CCW Horário

5390		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	37.3
	Z	6.8
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 110		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5392		
	R	6
	RD	56.2
	ID	17.06
	S	16
	W	36.4
	Z	7.6
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 110		CW/CCW Horário

5393		
	R	6
	RD	50
	ID	17.06
	S	16
	W	40.3
	Z	15.6
	OD1	54.05
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 111		CW/CCW Horário

5395		
	R	6
	RD	50
	ID	17.06
	S	16
	W	40.2
	Z	15.5
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 111		CW/CCW Horário

5396		
	R	6
	RD	53.9
	ID	17.06
	S	16
	W	36.1
	Z	7.7
	OD1	54.5
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 112		CW/CCW Horário

5403		
	R	7
	RD	59.1
	ID	17.06
	S	16
	W	36.4
	Z	5
	OD1	61
	H	9
APLICAÇÃO Application / Aplicación Pg. 112		CW/CCW Horário

5406		
	R	6
	RD	54.8
	ID	17.06
	S	17
	W	35.9
	Z	3.9
	OD1	58.8
	H	11.4
APLICAÇÃO Application / Aplicación Pg. 112		CW/CCW Horário

5408		
	R	7
	RD	59.1
	ID	17.06
	S	16
	W	45.1
	Z	6.8
	OD1	61
	H	17
APLICAÇÃO Application / Aplicación Pg. 112		CW/CCW Horário

5409		
	R	6
	RD	56.2
	ID	17.06
	S	16
	W	36.4
	Z	4.4
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 113		CW/CCW Horário

5410		
	R	6
	RD	49
	ID	17.06
	S	16
	W	37.4
	Z	11.1
	OD1	54.05
	H	16
APLICAÇÃO Application / Aplicación Pg. 113		CW/CCW Horário

5411		
	R	5
	RD	50.5
	ID	17.06
	S	16
	W	44.7
	Z	23.2
	OD1	54.05
	H	16
APLICAÇÃO Application / Aplicación Pg. 113		CW/CCW Horário

5419		
	R	6
	RD	60
	ID	17.06
	S	17
	W	39.7
	Z	9.2
	OD1	65
	H	17
APLICAÇÃO Application / Aplicación Pg. 114		CW/CCW Horário

5422		
	R	6
	RD	50
	ID	17.06
	S	16
	W	31.9
	Z	4.8
	OD1	55
	H	8
APLICAÇÃO Application / Aplicación Pg. 114		CW/CCW Horário

5423		
	R	6
	RD	54.8
	ID	17.06
	S	16
	W	43.2
	Z	17.1
	OD1	58.8
	H	14
APLICAÇÃO Application / Aplicación Pg. 114		CW/CCW Horário

5424		
	R	5
	RD	58
	ID	17.06
	S	14
	W	41
	Z	13.5
	OD1	63
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 114		CW/CCW Horário

5425		
	R	6
	RD	67.7
	ID	17.06
	S	16
	W	41.7
	Z	14.65
	OD1	73
	H	11.5
APLICAÇÃO Application / Aplicación Pg. 115		CW/CCW Horário

5426		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	37.5
	Z	6
	OD1	61
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 115		CW/CCW Anti-horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5428		
	R	6
	RD	57.6
	ID	17.06
	S	14
	W	40.4
	Z	8.5
	OD1	63
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 115		CW/CCW Horário

5429		
	R	6
	RD	53.9
	ID	17.06
	S	16
	W	35.5
	Z	6.9
	OD1	54.05
	H	17
APLICAÇÃO Application / Aplicación Pg. 116		CW/CCW Horário

5431		
	R	7
	RD	59.1
	ID	17.06
	S	16
	W	40.5
	Z	7.1
	OD1	64
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 116		CW/CCW Horário

5432		
	R	5
	RD	48.8
	ID	17.06
	S	16
	W	37.4
	Z	15.2
	OD1	54.05
	H	16
APLICAÇÃO Application / Aplicación Pg. 116		CW/CCW Horário

5435		
	R	5
	RD	53.8
	ID	17.06
	S	16
	W	39.5
	Z	12.4
	OD1	59
	H	16
APLICAÇÃO Application / Aplicación Pg. 116		CW/CCW Horário

5437		
	R	6
	RD	54.3
	ID	17.06
	S	16
	W	40.5
	Z	7.1
	OD1	58.8
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 117		CW/CCW Horário

5438		
	R	6
	RD	60
	ID	17.06
	S	16
	W	39.6
	Z	9.1
	OD1	65
	H	17
APLICAÇÃO Application / Aplicación Pg. 117		CW/CCW Horário

5440		
	R	6
	RD	53.9
	ID	17.06
	S	17
	W	37.4
	Z	9
	OD1	54.5
	H	14
APLICAÇÃO Application / Aplicación Pg. 117		CW/CCW Horário

5445		
	R	7
	RD	50
	ID	17.06
	S	16
	W	39.8
	Z	10.9
	OD1	55
	H	16
APLICAÇÃO Application / Aplicación Pg. 117		CW/CCW Horário

5446		
	R	6
	RD	65
	ID	17.06
	S	16
	W	38
	Z	4.3
	OD1	70
	H	16
APLICAÇÃO Application / Aplicación Pg. 118		CW/CCW Horário

5448		
	R	6
	RD	56
	ID	17.06
	S	16
	W	39.8
	Z	12.65
	OD1	61
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 118		CW/CCW Horário

5449		
	R	6
	RD	54
	ID	17.06
	S	16
	W	39.5
	Z	8
	OD1	58.8
	H	16
APLICAÇÃO Application / Aplicación Pg. 118		CW/CCW Horário

5450		
	R	6
	RD	54.3
	ID	17.06
	S	16
	W	38.3
	Z	7.5
	OD1	60.7
	H	11.6
APLICAÇÃO Application / Aplicación Pg. 119		CW/CCW Horário

5452		
	R	7
	RD	58
	ID	17.06
	S	16
	W	39.7
	Z	8.3
	OD1	64
	H	11.6
APLICAÇÃO Application / Aplicación Pg. 119		CW/CCW Horário

5453		
	R	6
	RD	54
	ID	17.06
	S	16
	W	41.7
	Z	12.4
	OD1	59
	H	16
APLICAÇÃO Application / Aplicación Pg. 119		CW/CCW Horário

5454		
	R	6
	RD	59.5
	ID	17.06
	S	16
	W	42.5
	Z	9
	OD1	64
	H	20
APLICAÇÃO Application / Aplicación Pg. 120		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5455		
	R	5
	RD	54
	ID	17.06
	S	16
	W	36.4
	Z	8
	OD1	58.8
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 120		CW/CCW Horário

5456		
	R	6
	RD	49
	ID	17.06
	S	16
	W	35.2
	Z	9.7
	OD1	54.05
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 120		CW/CCW Horário

5457		
	R	6
	RD	54.2
	ID	17.06
	S	16
	W	41.8
	Z	11.8
	OD1	59
	H	17
APLICAÇÃO Application / Aplicación Pg. 121		CW/CCW Horário

5458		
	R	6
	RD	49.1
	ID	17.06
	S	16
	W	31.8
	Z	3.3
	OD1	54.05
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 121		CW/CCW Horário

5459		
	R	7
	RD	69
	ID	17.06
	S	16
	W	42.4
	Z	9.2
	OD1	73
	H	20
APLICAÇÃO Application / Aplicación Pg. 121		CW/CCW Horário

5460		
	R	6
	RD	59.5
	ID	17.06
	S	16
	W	39.5
	Z	10.4
	OD1	64
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 121		CW/CCW Horário

5461		
	R	7
	RD	56
	ID	17.06
	S	16
	W	45.1
	Z	14.9
	OD1	61
	H	11.5
APLICAÇÃO Application / Aplicación Pg. 122		CW/CCW Horário

5462		
	R	6
	RD	58.6
	ID	17.06
	S	17
	W	39.7
	Z	6.7
	OD1	63
	H	17
APLICAÇÃO Application / Aplicación Pg. 122		CW/CCW Horário

5463		
	R	6
	RD	49.8
	ID	17.06
	S	16
	W	36.1
	Z	10.7
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 122		CW/CCW Horário

5464		
	R	6
	RD	49.3
	ID	17.06
	S	14
	W	40.2
	Z	17.8
	OD1	54.05
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 122		CW/CCW Horário

5466		
	R	5
	RD	60
	ID	17.06
	S	16
	W	36.4
	Z	6.4
	OD1	64
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 122		CW/CCW Horário

5467		
	R	6
	RD	55
	ID	17.06
	S	16
	W	43.6
	Z	17.6
	OD1	55
	H	16
APLICAÇÃO Application / Aplicación Pg. 123		CW/CCW Horário

5468		
	R	5
	RD	54.8
	ID	17.06
	S	16
	W	43.2
	Z	16
	OD1	58
	H	14
APLICAÇÃO Application / Aplicación Pg. 123		CW/CCW Horário

















5492		
	R	7
	RD	49
	ID	17.06
	S	16
	W	38.2
	Z	7.9
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 123		CW/CCW Horário

5493		
	R	6
	RD	49.7
	ID	17.06
	S	16
	W	32.7
	Z	4.9
	OD1	54.05
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 124		CW/CCW Horário

5494		
	R	7
	RD	50
	ID	17.06
	S	16
	W	39.6
	Z	10.7
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 124		CW/CCW Horário



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>5495</b>			<b>5496</b>			<b>5497</b>			<b>5498</b>		
	R	6		R	5		R	6		R	6
	RD	60		RD	60		RD	59.6		RD	56.8
	ID	17.06		ID	17		ID	17.06		ID	17.15
	S	16		S	14		S	16		S	17
	W	39.6		W	40.8		W	39.6		W	39.9
	Z	7.1		Z	10.8		Z	5.7		Z	6.2
	OD1	65		OD1	64		OD1	64		OD1	61
	H	17		H	11.1		H	14		H	14.7
APLICAÇÃO Application / Aplicación Pg. 124	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 124	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 125	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 125	CW/CCW	Horário
<b>5499</b>			<b>5500</b>			<b>5501</b>			<b>5502</b>		
	R	6		R	6		R	6		R	7
	RD	53.4		RD	52.25		RD	54.8		RD	55
	ID	17.06		ID	17.06		ID	17.06		ID	17.06
	S	16		S	16		S	14		S	14
	W	38.5		W	42.2		W	43.6		W	41.1
	Z	5.2		Z	13.2		Z	16.5		Z	8.8
	OD1	59		OD1	56.6		OD1	58.8		OD1	61
	H	14.3		H	11.1		H	11.8		H	12.3
APLICAÇÃO Application / Aplicación Pg. 125	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 125	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 125	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 126	CW/CCW	Horário
<b>5503</b>			<b>5504</b>			<b>5505</b>			<b>5506</b>		
	R	7		R	6		R	5		R	6
	RD	52.5		RD	54.8		RD	56		RD	55.6
	ID	17.06		ID	17.06		ID	17.06		ID	17.06
	S	14		S	16		S	16		S	17
	W	41.5		W	36.9		W	41.7		W	37.7
	Z	9.2		Z	4.5		Z	17.9		Z	7.2
	OD1	58		OD1	64.2		OD1	61		OD1	61
	H	12.3		H	11.1		H	12.7		H	11.4
APLICAÇÃO Application / Aplicación Pg. 126	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 126	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 126	CW/CCW	Anti-horário	APLICAÇÃO Application / Aplicación Pg. 127	CW/CCW	Horário
<b>5507</b>			<b>5508</b>			<b>5509</b>			<b>5510</b>		
	R	6		R	5		R	7		R	5
	RD	53		RD	56.8		RD	58		RD	51.8
	ID	17.06		ID	17.06		ID	15		ID	17.06
	S	17		S	16		S	14		S	16
	W	37.5		W	41.8		W	39.7		W	36.6
	Z	9		Z	18.7		Z	8.3		Z	14.7
	OD1	57		OD1	60		OD1	64.4		OD1	54.05
	H	17.5		H	7.6		H	9.9		H	16
APLICAÇÃO Application / Aplicación Pg. 127	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 127	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 127	CW/CCW	Horário	APLICAÇÃO Application / Aplicación Pg. 128	CW/CCW	Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5511		
	R	6
	RD	56
	ID	17.06
	S	17
	W	37.4
	Z	8.3
	OD1	59
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 128		CW/CCW Horário

5512		
	R	6
	RD	55
	ID	17.06
	S	16
	W	46.7
	Z	17.7
	OD1	60
	H	17
APLICAÇÃO Application / Aplicación Pg. 128		CW/CCW Horário

5513		
	R	7
	RD	58
	ID	17.06
	S	14
	W	39.9
	Z	8.5
	OD1	64.4
	H	8.6
APLICAÇÃO Application / Aplicación Pg. 128		CW/CCW Horário

5514		
	R	6
	RD	49.5
	ID	17.06
	S	16
	W	39.5
	Z	14.5
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 128		CW/CCW Horário

5515		
	R	6
	RD	52.5
	ID	17.06
	S	16
	W	33.6
	Z	4.5
	OD1	58
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 129		CW/CCW Horário

5516		
	R	6
	RD	55.6
	ID	17.06
	S	14
	W	42.7
	Z	15.2
	OD1	60
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 129		CW/CCW Anti-horário

5518		
	R	5
	RD	53.6
	ID	17.06
	S	16
	W	39.3
	Z	9.9
	OD1	60
	H	16
APLICAÇÃO Application / Aplicación Pg. 129		CW/CCW Horário

5519		
	R	8
	RD	57.8
	ID	17.06
	S	16
	W	38
	Z	4.6
	OD1	62.8
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 129		CW/CCW Horário

5520		
	R	6
	RD	57.6
	ID	17.06
	S	17
	W	40.2
	Z	8.3
	OD1	63
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 130		CW/CCW Horário

5521		
	R	6
	RD	57.7
	ID	17.06
	S	14
	W	40.4
	Z	8.9
	OD1	63
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 130		CW/CCW Anti-horário

5522		
	R	7
	RD	64.7
	ID	17.06
	S	17
	W	36.5
	Z	5.5
	OD1	69
	H	11.4
APLICAÇÃO Application / Aplicación Pg. 130		CW/CCW Horário

5523		
	R	6
	RD	49
	ID	17.06
	S	16
	W	34.1
	Z	7.9
	OD1	54.05
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 130		CW/CCW Horário

5524		
	R	6
	RD	54.3
	ID	17.06
	S	16
	W	39.9
	Z	9.1
	OD1	60.7
	H	17
APLICAÇÃO Application / Aplicación Pg. 130		CW/CCW Horário

5525		
	R	5
	RD	54.5
	ID	17.06
	S	16
	W	43.1
	Z	17.6
	OD1	59
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 131		CW/CCW Horário

5526		
	R	6
	RD	48.6
	ID	17.06
	S	14
	W	41.5
	Z	15.3
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 131		CW/CCW Horário

5527		
	R	8
	RD	59.5
	ID	17.06
	S	17
	W	42.6
	Z	8.8
	OD1	64
	H	17
APLICAÇÃO Application / Aplicación Pg. 131		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5528		
	R	6
	RD	54
	ID	17.06
	S	17
	W	43.5
	Z	16
	OD1	58
	H	14.3
APLICAÇÃO Application / Aplicación Pg. 131		CW/CCW Horário

5529		
	R	6
	RD	49.8
	ID	17.06
	S	16
	W	34.3
	Z	5.5
	OD1	54.05
	H	7.8
APLICAÇÃO Application / Aplicación Pg. 131		CW/CCW Horário

5530		
	R	5
	RD	56.9
	ID	17.06
	S	16
	W	45.9
	Z	22.9
	OD1	60
	H	6.5
APLICAÇÃO Application / Aplicación Pg. 132		CW/CCW Horário

5532		
	R	6
	RD	53.8
	ID	17.06
	S	16
	W	45.5
	Z	18.4
	OD1	60.2
	H	7.2
APLICAÇÃO Application / Aplicación Pg. 132		CW/CCW Horário

5533		
	R	18
	RD	62
	ID	17.06
	S	16
	W	32.9
	Z	16.9
	OD1	62
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 132		CW/CCW Horário

5534		
	R	8
	RD	55.6
	ID	17.06
	S	16
	W	39
	Z	4.6
	OD1	61
	H	9
APLICAÇÃO Application / Aplicación Pg. 132		CW/CCW Horário

5535		
	R	6
	RD	51.8
	ID	17.06
	S	16
	W	39.4
	Z	12.2
	OD1	59
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5536		
	R	6
	RD	57.2
	ID	17.06
	S	14
	W	39
	Z	8
	OD1	61.5
	H	11.4
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5559		
	R	6
	RD	57.5
	ID	17.06
	S	14
	W	51.4
	Z	24.2
	OD1	63.9
	H	12.1
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5560		
	R	6
	RD	62.1
	ID	17.06
	S	17
	W	45.2
	Z	14
	OD1	65
	H	8.9
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5561		
	R	6
	RD	57.5
	ID	17.06
	S	16
	W	38.4
	Z	9.6
	OD1	63
	H	11.6
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5562		
	R	7
	RD	48.8
	ID	17.06
	S	16
	W	41.4
	Z	11.7
	OD1	54.05
	H	16.1
APLICAÇÃO Application / Aplicación Pg. 133		CW/CCW Horário

5563		
	R	8
	RD	50
	ID	17.06
	S	16
	W	52.2
	Z	19.5
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 134		CW/CCW Horário

5564		
	R	6
	RD	49.3
	ID	17.06
	S	16
	W	34.3
	Z	7.9
	OD1	54.05
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 134		CW/CCW Horário

5565		
	R	6
	RD	49.5
	ID	17.06
	S	16
	W	42
	Z	16.6
	OD1	54.8
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 134		CW/CCW Horário

5566		
	R	8
	RD	50.1
	ID	17.06
	S	16
	W	43.3
	Z	11.1
	OD1	54.05
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 134		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5567		
	R	7
	RD	57.5
	ID	15.06
	S	14
	W	42.4
	Z	10.9
	OD1	63.9
	H	12.8
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5569		
	R	6
	RD	52.5
	ID	17.06
	S	16
	W	37.1
	Z	8
	OD1	58
	H	17
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5570		
	R	8
	RD	59.83
	ID	17.06
	S	14
	W	43.5
	Z	8.9
	OD1	65
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5571		
	R	6
	RD	56.4
	ID	17.06
	S	16
	W	36.4
	Z	5.3
	OD1	62.8
	H	9
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5572		
	R	6
	RD	52.4
	ID	17.06
	S	14
	W	36.2
	Z	9
	OD1	57.5
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5573		
	R	6
	RD	58.7
	ID	17.06
	S	14
	W	42.6
	Z	15.2
	OD1	63.1
	H	11
APLICAÇÃO Application / Aplicación Pg. 135		CW/CCW Horário

5574		
	R	5
	RD	49.7
	ID	17.06
	S	16
	W	37.5
	Z	15.3
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 136		CW/CCW Horário

5575		
	R	6
	RD	55
	ID	17.06
	S	16
	W	43.1
	Z	14.1
	OD1	60
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 136		CW/CCW Horário

5576		
	R	6
	RD	61.5
	ID	17.06
	S	17
	W	43.5
	Z	16
	OD1	65.5
	H	14.3
APLICAÇÃO Application / Aplicación Pg. 137		CW/CCW Horário

5578		
	R	6
	RD	59.35
	ID	15.06
	S	14
	W	40.5
	Z	12.7
	OD1	65.02
	H	9.9
APLICAÇÃO Application / Aplicación Pg. 137		CW/CCW Horário

5580		
	R	6
	RD	58.7
	ID	17.06
	S	16
	W	36.4
	Z	8.1
	OD1	64.1
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 137		CW/CCW Horário

5581		
	R	7
	RD	50
	ID	17.06
	S	16
	W	49.3
	Z	19.4
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 138		CW/CCW Horário

5582		
	R	6
	RD	49.8
	ID	17.06
	S	17
	W	39.8
	Z	14
	OD1	54.05
	H	17
APLICAÇÃO Application / Aplicación Pg. 138		CW/CCW Horário

5583		
	R	5
	RD	57
	ID	17.06
	S	16
	W	41.6
	Z	18.7
	OD1	61
	H	14
APLICAÇÃO Application / Aplicación Pg. 138		CW/CCW Horário

5584		
	R	7
	RD	49
	ID	17.06
	S	17
	W	38.7
	Z	10.1
	OD1	54.05
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 138		CW/CCW Horário

5585		
	R	6
	RD	55
	ID	17.06
	S	17
	W	42.4
	Z	15.7
	OD1	59
	H	17
APLICAÇÃO Application / Aplicación Pg. 139		CW/CCW Horário



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5586		
	R	6
	RD	53.8
	ID	17.06
	S	16
	W	42.9
	Z	16.3
	OD1	59
	H	14
APLICAÇÃO Application / Aplicación Pg. 139		CW/CCW Horário

5587		
	R	6
	RD	49.3
	ID	17.06
	S	17
	W	41.8
	Z	15.4
	OD1	54.8
	H	17
APLICAÇÃO Application / Aplicación Pg. 139		CW/CCW Horário

5588		
	R	5
	RD	60
	ID	17.06
	S	14
	W	40.4
	Z	9
	OD1	65.5
	H	13.6
APLICAÇÃO Application / Aplicación Pg. 139		CW/CCW Horário

5589		
	R	6
	RD	57.5
	ID	17.06
	S	16
	W	50.9
	Z	24.3
	OD1	63
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 139		CW/CCW Anti-horário

5590		
	R	5
	RD	53.7
	ID	17.06
	S	16
	W	34.8
	Z	8.3
	OD1	59
	H	7.8
APLICAÇÃO Application / Aplicación Pg. 140		CW/CCW Horário

5591		
	R	7
	RD	70
	ID	17.06
	S	14
	W	39.9
	Z	9
	OD1	75
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 140		CW/CCW Horário

5592		
	R	7
	RD	60
	ID	17.06
	S	14
	W	40.4
	Z	9
	OD1	65.5
	H	13.6
APLICAÇÃO Application / Aplicación Pg. 140		CW/CCW Horário

5593		
	R	6
	RD	55
	ID	17.06
	S	16
	W	38.2
	Z	9.9
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 140		CW/CCW Horário

5594		
	R	6
	RD	54.9
	ID	17.06
	S	16
	W	37.8
	Z	8.9
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 141		CW/CCW Horário

5595		
	R	6
	RD	55.9
	ID	17.06
	S	16
	W	34.8
	Z	4.8
	OD1	61
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 141		CW/CCW Horário

5596		
	R	6
	RD	53.7
	ID	17.06
	S	16
	W	35.2
	Z	8.2
	OD1	59
	H	7.8
APLICAÇÃO Application / Aplicación Pg. 141		CW/CCW Horário

5597		
	R	6
	RD	59.8
	ID	17.06
	S	17
	W	36.9
	Z	8.3
	OD1	64
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 141		CW/CCW Horário

5598		
	R	7
	RD	64.9
	ID	17.06
	S	14
	W	39.9
	Z	9
	OD1	70.4
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 141		CW/CCW Horário

5599		
	R	7
	RD	54.9
	ID	17.06
	S	16
	W	40
	Z	9.6
	OD1	59
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

5601		
	R	6
	RD	62.3
	ID	17.06
	S	16
	W	34.7
	Z	2.5
	OD1	68.2
	H	7.8
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

5602		
	R	6
	RD	60.4
	ID	17.06
	S	16
	W	44.3
	Z	17.3
	OD1	65
	H	14
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5603		
	R	6
	RD	56
	ID	17.06
	S	17
	W	43.5
	Z	16.4
	OD1	60
	H	14.3
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

5604		
	R	6
	RD	54.9
	ID	17.06
	S	16
	W	38
	Z	8
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

5605		
	R	6
	RD	64.6
	ID	17.06
	S	16
	W	39.9
	Z	13
	OD1	70
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 142		CW/CCW Horário

5607		
	R	7
	RD	64.7
	ID	17.06
	S	17
	W	40.8
	Z	9.8
	OD1	69
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 143		CW/CCW Horário

5608		
	R	5
	RD	55.5
	ID	17.06
	S	14
	W	39.6
	Z	11.1
	OD1	59
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 143		CW/CCW Horário

5609		
	R	7
	RD	57.5
	ID	17.06
	S	14
	W	42.4
	Z	10.9
	OD1	63.9
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 143		CW/CCW Horário

5610		
	R	7
	RD	55
	ID	17.06
	S	17
	W	44.2
	Z	13.8
	OD1	59
	H	17
APLICAÇÃO Application / Aplicación Pg. 143		CW/CCW Horário

5611		
	R	5
	RD	56.8
	ID	17.06
	S	16
	W	41.8
	Z	18.7
	OD1	60
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 143		CW/CCW Horário

5612		
	R	6
	RD	54.3
	ID	17.06
	S	17
	W	39.8
	Z	9
	OD1	60.7
	H	17
APLICAÇÃO Application / Aplicación Pg. 144		CW/CCW Horário

5613		
	R	6
	RD	62.5
	ID	17.06
	S	14
	W	38.4
	Z	9
	OD1	68
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 144		CW/CCW Horário

5614		
	R	7
	RD	55
	ID	17.06
	S	17
	W	38.7
	Z	8.3
	OD1	59
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 144		CW/CCW Horário

5622		
	R	6
	RD	53.7
	ID	17.06
	S	16
	W	40.7
	Z	13.7
	OD1	59
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 144		CW/CCW Horário

5623		
	R	6
	RD	54
	ID	17.06
	S	16
	W	41.3
	Z	9.8
	OD1	58.8
	H	14
APLICAÇÃO Application / Aplicación Pg. 145		CW/CCW Horário

5624		
	R	6
	RD	53.7
	ID	17.06
	S	16
	W	50.1
	Z	23.3
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 145		CW/CCW Horário

5625		
	R	6
	RD	59.8
	ID	17.06
	S	16
	W	40.1
	Z	11.5
	OD1	64
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 145		CW/CCW Horário

5626		
	R	6
	RD	59.8
	ID	17.06
	S	16
	W	41.8
	Z	13.2
	OD1	64
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 145		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5627		
	R	6
	RD	61.5
	ID	17.06
	S	16
	W	45
	Z	18.1
	OD1	65
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 145		
CW/CCW	Horário	

5628		
	R	5
	RD	53.7
	ID	17.06
	S	16
	W	35.9
	Z	9.4
	OD1	59
	H	14.3
APLICAÇÃO Application / Aplicación Pg. 146		
CW/CCW	Horário	

5629		
	R	6
	RD	54
	ID	17.06
	S	16
	W	42.2
	Z	12.9
	OD1	59
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 146		
CW/CCW	Horário	

5630		
	R	6
	RD	55
	ID	17.06
	S	16
	W	39
	Z	10.7
	OD1	59
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 146		
CW/CCW	Horário	

5631		
	R	6
	RD	64.6
	ID	17.06
	S	16
	W	44.2
	Z	17.3
	OD1	70
	H	16
APLICAÇÃO Application / Aplicación Pg. 146		
CW/CCW	Horário	

5632		
	R	6
	RD	56
	ID	17.06
	S	16
	W	48
	Z	20.8
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 147		
CW/CCW	Horário	

5633		
	R	7
	RD	49.1
	ID	17.06
	S	16
	W	32.8
	Z	3.3
	OD1	54.05
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 147		
CW/CCW	Horário	

5634		
	R	5
	RD	54
	ID	17.06
	S	16
	W	42.2
	Z	18.1
	OD1	58.4
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 147		
CW/CCW	Horário	

5635		
	R	6
	RD	49.7
	ID	17.06
	S	14
	W	37.2
	Z	9.4
	OD1	55
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 147		
CW/CCW	Horário	

5638		
	R	7
	RD	59.1
	ID	17.06
	S	17
	W	35.9
	Z	4.5
	OD1	61
	H	11.4
APLICAÇÃO Application / Aplicación Pg. 147		
CW/CCW	Horário	

5640		
	R	5
	RD	67
	ID	17.06
	S	16
	W	34.3
	Z	6.3
	OD1	70.4
	H	7.8
APLICAÇÃO Application / Aplicación Pg. 148		
CW/CCW	Horário	

5641		
	R	5
	RD	54
	ID	17.06
	S	16
	W	41.6
	Z	18
	OD1	59
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 148		
CW/CCW	Horário	

5642		
	R	6
	RD	61.5
	ID	17.06
	S	17
	W	42
	Z	15
	OD1	65.5
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 148		
CW/CCW	Horário	

5643		
	R	6
	RD	49.5
	ID	17.06
	S	16
	W	38.5
	Z	13.5
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 148		
CW/CCW	Horário	

5644		
	R	6
	RD	50
	ID	17.06
	S	16
	W	47.7
	Z	19.4
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 148		
CW/CCW	Horário	

5645		
	R	5
	RD	60
	ID	15.06
	S	14
	W	40.4
	Z	9
	OD1	65.5
	H	12.5
APLICAÇÃO Application / Aplicación Pg. 149		
CW/CCW	Horário	



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5646		
	R	6
	RD	51.3
	ID	17.06
	S	16
	W	36.7
	Z	8.1
	OD1	56.3
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 149		
CW/CCW	Horário	

5647		
	R	3
	RD	58.3
	ID	17.06
	S	16
	W	41.4
	Z	22.3
	OD1	62.2
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 149		
CW/CCW	Horário	

5648		
	R	6
	RD	53.8
	ID	17.06
	S	14
	W	43.2
	Z	16.6
	OD1	59
	H	11
APLICAÇÃO Application / Aplicación Pg. 149		
CW/CCW	Horário	

5649		
	R	7
	RD	55.9
	ID	17.06
	S	16
	W	36.2
	Z	5.2
	OD1	61
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 149		
CW/CCW	Horário	

5650		
	R	8
	RD	49.8
	ID	17
	S	14
	W	41.4
	Z	8.7
	OD1	54.8
	H	12
APLICAÇÃO Application / Aplicación Pg. 150		
CW/CCW	Horário	


5651		
	R	8
	RD	71.3
	ID	17.06
	S	16
	W	42.4
	Z	7.2
	OD1	75
	H	17
APLICAÇÃO Application / Aplicación Pg. 150		
CW/CCW	Horário	

5652		
	R	6
	RD	51.6
	ID	17.06
	S	17
	W	41
	Z	12.4
	OD1	56.6
	H	17
APLICAÇÃO Application / Aplicación Pg. 150		
CW/CCW	Horário	

5653		
	R	6
	RD	50.1
	ID	17.06
	S	16
	W	40.9
	Z	15.5
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 150		
CW/CCW	Horário	

5654		
	R	5
	RD	54
	ID	17.06
	S	17
	W	37.2
	Z	9.5
	OD1	58
	H	14
APLICAÇÃO Application / Aplicación Pg. 150		
CW/CCW	Horário	

5655		
	R	6
	RD	54
	ID	17.06
	S	17
	W	42.2
	Z	12.9
	OD1	59
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	

5656		
	R	7
	RD	55
	ID	17.06
	S	14
	W	39.2
	Z	8.8
	OD1	59
	H	12
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	

5657		
	R	6
	RD	54
	ID	17.06
	S	14
	W	40.8
	Z	9.3
	OD1	58.8
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	

5658		
	R	6
	RD	58
	ID	17.06
	S	14
	W	45.3
	Z	13.4
	OD1	63
	H	12.1
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	


5659		
	R	6
	RD	58
	ID	17.06
	S	16
	W	40.6
	Z	8.7
	OD1	63
	H	12
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	

5660		
	R	6
	RD	67.7
	ID	17.06
	S	16
	W	41.7
	Z	14.65
	OD1	73
	H	16
APLICAÇÃO Application / Aplicación Pg. 151		
CW/CCW	Horário	

5661		
	R	6
	RD	59.8
	ID	17.06
	S	16
	W	43.2
	Z	16.2
	OD1	65
	H	16
APLICAÇÃO Application / Aplicación Pg. 152		
CW/CCW	Horário	

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

**5662**



R	6
RD	60.4
ID	17.06
S	17
W	44.3
Z	17.3
OD1	65
H	17.1

APLICAÇÃO  
Application / Aplicación  
Pg. 152

CW/CCW	Horário
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**5663**



R	6
RD	55
ID	17.06
S	16
W	38
Z	9.7
OD1	59
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 152

CW/CCW	Horário
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**5664**



R	6
RD	48.4
ID	17.06
S	16
W	32
Z	4.5
OD1	54.05
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 152

CW/CCW	Horário
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**5667**



R	7
RD	54
ID	17.06
S	16
W	38.2
Z	7.9
OD1	59
H	16

APLICAÇÃO  
Application / Aplicación  
Pg. 152

CW/CCW	Horário
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**5668**



R	5
RD	55.6
ID	17.06
S	16
W	34.5
Z	10.7
OD1	61
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 152

CW/CCW	Horário
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**5670**



R	5
RD	54.5
ID	17.06
S	16
W	40.8
Z	17.5
OD1	59
H	13.3

APLICAÇÃO  
Application / Aplicación  
Pg. 153

CW/CCW	Horário
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**5673**



R	7
RD	55.6
ID	17.06
S	16
W	49.9
Z	19.4
OD1	59.6
H	14.5

APLICAÇÃO  
Application / Aplicación  
Pg. 153

CW/CCW	Horário
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**5674**



R	6
RD	48.6
ID	17.06
S	16
W	39
Z	13.7
OD1	54.05
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 153

CW/CCW	Horário
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**5675**



R	6
RD	54.1
ID	17.06
S	16
W	33.5
Z	6.6
OD1	57.5
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 153

CW/CCW	Horário
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**5676**



R	5
RD	56.2
ID	17.06
S	16
W	42.2
Z	18.1
OD1	61
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 153

CW/CCW	Horário
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**5677**



R	6
RD	55.7
ID	17.06
S	16
W	39.3
Z	12.1
OD1	61
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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**5678**



R	6
RD	54.1
ID	17.06
S	17
W	38.5
Z	11.3
OD1	59
H	17

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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**5679**



R	6
RD	54.05
ID	17.06
S	16
W	32
Z	3.4
OD1	59
H	11.1

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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**5680**



R	6
RD	59.5
ID	17.06
S	16
W	42.2
Z	8.7
OD1	64
H	14.4

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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**5681**



R	8
RD	71.2
ID	17.06
S	16
W	47.2
Z	11.8
OD1	77
H	11.2

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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**5682**



R	6
RD	55.6
ID	17.06
S	16
W	39.3
Z	8.8
OD1	61
H	15.4

APLICAÇÃO  
Application / Aplicación  
Pg. 154

CW/CCW	Horário
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R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5683		
	R	7
	RD	57.5
	ID	17.06
	S	17
	W	39.7
	Z	9.5
	OD1	63
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 155		CW/CCW Horário

5684		
	R	4
	RD	55
	ID	17.06
	S	14
	W	40.5
	Z	9.1
	OD1	60.5
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 155		CW/CCW Horário

5685		
	R	6
	RD	62.5
	ID	17.06
	S	14
	W	40.4
	Z	9.2
	OD1	67.5
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 155		CW/CCW Horário

5686		
	R	18
	RD	62
	ID	17.06
	S	16
	W	51.3
	Z	28.3
	OD1	66
	H	10.9
APLICAÇÃO Application / Aplicación Pg. 155		CW/CCW Anti-horário

5687		
	R	6
	RD	66.7
	ID	17.06
	S	16
	W	39.4
	Z	7.1
	OD1	71
	H	13.6
APLICAÇÃO Application / Aplicación Pg. 155		CW/CCW Horário

5688		
	R	6
	RD	57.5
	ID	17.06
	S	17
	W	45.6
	Z	8.4
	OD1	63
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Horário

5690		
	R	6
	RD	52
	ID	17
	S	14
	W	38.7
	Z	9
	OD1	57
	H	10.8
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Horário

5691		
	R	6
	RD	55.8
	ID	17.06
	S	16
	W	36.4
	Z	4.8
	OD1	60.8
	H	7.6
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Horário

5694		
	R	6
	RD	52.4
	ID	17.06
	S	17
	W	38.6
	Z	8.4
	OD1	57.4
	H	18.5
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Horário

5695		
	R	6
	RD	58.8
	ID	17.06
	S	14
	W	54.5
	Z	27.5
	OD1	64
	H	11
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Anti-horário

5696		
	R	6
	RD	55
	ID	17.06
	S	14
	W	45
	Z	18
	OD1	59
	H	12.5
APLICAÇÃO Application / Aplicación Pg. 156		CW/CCW Horário

5697		
	R	6
	RD	55.9
	ID	17.06
	S	16
	W	39.5
	Z	12.5
	OD1	61
	H	10
APLICAÇÃO Application / Aplicación Pg. 157		CW/CCW Horário

5704		
	R	6
	RD	52.3
	ID	17.06
	S	14
	W	43.2
	Z	16.2
	OD1	57.5
	H	12.5
APLICAÇÃO Application / Aplicación Pg. 157		CW/CCW Horário

5705		
	R	7
	RD	52.5
	ID	15.06
	S	14
	W	41.4
	Z	9.1
	OD1	58
	H	12.6
APLICAÇÃO Application / Aplicación Pg. 157		CW/CCW Horário

5706		
	R	5
	RD	54
	ID	17.06
	S	14
	W	39.3
	Z	13.5
	OD1	58
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 157		CW/CCW Horário

5707		
	R	6
	RD	49.7
	ID	17.06
	S	16
	W	32
	Z	2.8
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 157		CW/CCW Horário



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5708		
	R	6
	RD	54
	ID	17.06
	S	14
	W	43.6
	Z	16.6
	OD1	58
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 158		CW/CCW Horário

5709		
	R	8
	RD	48.9
	ID	17.06
	S	14
	W	42.2
	Z	9
	OD1	54.05
	H	12.1
APLICAÇÃO Application / Aplicación Pg. 158		CW/CCW Horário

5710		
	R	6
	RD	57
	ID	17.06
	S	16
	W	46.7
	Z	19.7
	OD1	60
	H	9.2
APLICAÇÃO Application / Aplicación Pg. 158		CW/CCW Horário

5711		
	R	4
	RD	59.3
	ID	17.06
	S	14
	W	36.5
	Z	9.2
	OD1	64
	H	12
APLICAÇÃO Application / Aplicación Pg. 158		CW/CCW Horário

5712		
	R	4
	RD	52.1
	ID	17.06
	S	16
	W	41.7
	Z	21.8
	OD1	56.6
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 158		CW/CCW Horário

5713		
	R	7
	RD	59.9
	ID	17.06
	S	16
	W	40.2
	Z	9
	OD1	65
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 159		CW/CCW Horário

5714		
	R	6
	RD	48.4
	ID	17.06
	S	16
	W	35.4
	Z	7.9
	OD1	54.05
	H	14.3
APLICAÇÃO Application / Aplicación Pg. 159		CW/CCW Horário

5715		
	R	6
	RD	50
	ID	17.06
	S	16
	W	39.9
	Z	12.9
	OD1	54.05
	H	12.5
APLICAÇÃO Application / Aplicación Pg. 159		CW/CCW Horário

5716		
	R	6
	RD	58
	ID	17.06
	S	16
	W	37.8
	Z	8.9
	OD1	62
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 159		CW/CCW Horário

5717		
	R	6
	RD	63.6
	ID	17.06
	S	14
	W	42.6
	Z	15.9
	OD1	67.4
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 159		CW/CCW Horário

5718		
	R	6
	RD	60.7
	ID	17.06
	S	16
	W	40.2
	Z	13.2
	OD1	64.1
	H	10
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

5719		
	R	6
	RD	48.5
	ID	17.06
	S	14
	W	37.3
	Z	8.9
	OD1	54.05
	H	10.8
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário


5720		
	R	6
	RD	53.7
	ID	17.06
	S	17
	W	36.2
	Z	8.9
	OD1	59
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

5721		
	R	6
	RD	48.9
	ID	17.06
	S	16
	W	35.1
	Z	8.85
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

5722		
	R	7
	RD	55
	ID	17.06
	S	16
	W	39.3
	Z	8.9
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

5724		
	R	6
	RD	53.8
	ID	17.06
	S	17
	W	46.5
	Z	19
	OD1	59
	H	26.6
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5726		
	R	6
	RD	55.7
	ID	17.06
	S	16
	W	42
	Z	15
	OD1	61
	H	11.6
APLICAÇÃO Application / Aplicación Pg. 160		CW/CCW Horário

5727		
	R	5
	RD	54
	ID	17.06
	S	17
	W	42.6
	Z	19.1
	OD1	58
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 161		CW/CCW Horário


5728		
	R	6
	RD	55.1
	ID	17.06
	S	17
	W	35.5
	Z	6.4
	OD1	59.1
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 161		CW/CCW Horário

5729		
	R	6
	RD	52
	ID	17.06
	S	16
	W	32.6
	Z	5.6
	OD1	57
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 161		CW/CCW Horário

5730		
	R	6
	RD	54.1
	ID	17.06
	S	17
	W	43.6
	Z	16.6
	OD1	58
	H	14.1
APLICAÇÃO Application / Aplicación Pg. 161		CW/CCW Horário

5731		
	R	5
	RD	58
	ID	17.06
	S	16
	W	36.6
	Z	9
	OD1	63
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5732		
	R	5
	RD	52.5
	ID	17.06
	S	16
	W	33.9
	Z	10.4
	OD1	57.5
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5733		
	R	6
	RD	65.3
	ID	17.06
	S	14
	W	40.6
	Z	10.3
	OD1	70
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5735		
	R	6
	RD	52.5
	ID	17.06
	S	17
	W	41.5
	Z	14.5
	OD1	56.6
	H	17
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5736		
	R	7
	RD	59.1
	ID	17.06
	S	16
	W	36.5
	Z	5.1
	OD1	61
	H	11.6
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5737		
	R	4
	RD	55.2
	ID	17.06
	S	16
	W	32.1
	Z	12.6
	OD1	57.8
	H	8.2
APLICAÇÃO Application / Aplicación Pg. 162		CW/CCW Horário

5738		
	R	8
	RD	57.3
	ID	17.06
	S	16
	W	38.1
	Z	4
	OD1	61.1
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário

5739		
	R	6
	RD	64.6
	ID	17.06
	S	16
	W	36.4
	Z	4.9
	OD1	70
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário

5740		
	R	5
	RD	60
	ID	17.06
	S	17
	W	39.5
	Z	8.2
	OD1	64
	H	17
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário

5741		
	R	6
	RD	56.4
	ID	17.06
	S	16
	W	40.9
	Z	9.8
	OD1	62.8
	H	16.5
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário

5742		
	R	6
	RD	60
	ID	15.06
	S	14
	W	40.6
	Z	8.8
	OD1	65
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5743		
	R	6
	RD	55
	ID	17.06
	S	14
	W	40.6
	Z	9
	OD1	61
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 163		CW/CCW Horário

5745		
	R	6
	RD	55
	ID	15.06
	S	14
	W	40.6
	Z	9
	OD1	61
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 164		CW/CCW Horário

5761		
	R	6
	RD	65
	ID	17.06
	S	16
	W	39.3
	Z	9.8
	OD1	70
	H	16
APLICAÇÃO Application / Aplicación Pg. 164		CW/CCW Horário


5762		
	R	6
	RD	58.5
	ID	17.06
	S	14
	W	40.6
	Z	9.1
	OD1	63.9
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 164		CW/CCW Horário

5763		
	R	5
	RD	56
	ID	17.06
	S	16
	W	45
	Z	18.3
	OD1	61
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 164		CW/CCW Horário


5765		
	R	6
	RD	55.6
	ID	17.06
	S	16
	W	39.3
	Z	8.8
	OD1	61
	H	16
APLICAÇÃO Application / Aplicación Pg. 164		CW/CCW Horário

5766		
	R	6
	RD	49
	ID	17.06
	S	16
	W	36.1
	Z	10.9
	OD1	54.05
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Horário


5767		
	R	7
	RD	57.5
	ID	17.06
	S	14
	W	48.6
	Z	18
	OD1	62.8
	H	12.1
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Horário


5769		
	R	7
	RD	49.1
	ID	17.06
	S	16
	W	41
	Z	11.5
	OD1	54.05
	H	14.4
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Horário


5770		
	R	6
	RD	58.5
	ID	17.06
	S	17
	W	40.5
	Z	12.6
	OD1	64
	H	16
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Anti-horário


5771		
	R	5
	RD	54
	ID	17.06
	S	14
	W	37.5
	Z	9.2
	OD1	60.2
	H	10.8
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Horário

5772		
	R	6
	RD	52
	ID	17.06
	S	16
	W	38.3
	Z	10
	OD1	58
	H	15
APLICAÇÃO Application / Aplicación Pg. 165		CW/CCW Horário


5773		
	R	6
	RD	50
	ID	17.06
	S	17
	W	36
	Z	8.5
	OD1	54.05
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 166		CW/CCW Horário

5774		
	R	7
	RD	58.6
	ID	17.06
	S	17
	W	40.2
	Z	8.5
	OD1	63
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 166		CW/CCW Horário


5775		
	R	6
	RD	52.5
	ID	17.06
	S	16
	W	36.3
	Z	8.7
	OD1	57.5
	H	16
APLICAÇÃO Application / Aplicación Pg. 166		CW/CCW Horário


5776		
	R	5
	RD	54
	ID	17.06
	S	16
	W	37.6
	Z	9.9
	OD1	60.2
	H	15
APLICAÇÃO Application / Aplicación Pg. 166		CW/CCW Horário


R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario


5777		
	R	5
	RD	54
	ID	17.06
	S	14
	W	41.2
	Z	16.3
	OD1	59
	H	11.5
APLICAÇÃO Application / Aplicación Pg. 166		CW/CCW Horário

5778		
	R	6
	RD	61.2
	ID	17.06
	S	16
	W	39.3
	Z	9.8
	OD1	65
	H	15.4
APLICAÇÃO Application / Aplicación Pg. 167		CW/CCW Horário

5779		
	R	7
	RD	57.5
	ID	17.06
	S	14
	W	40.9
	Z	9.2
	OD1	63
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 167		CW/CCW Horário

5780		
	R	4
	RD	52
	ID	17.06
	S	17
	W	37.6
	Z	8.6
	OD1	58.5
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 167		CW/CCW Horário

5781		
	R	6
	RD	57.2
	ID	17.06
	S	14
	W	40.6
	Z	9.2
	OD1	63
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 167		CW/CCW Horário


5782		
	R	7
	RD	54.9
	ID	17.06
	S	16
	W	44.3
	Z	13.2
	OD1	59
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 167		CW/CCW Horário

5783		
	R	7
	RD	55.1
	ID	17.06
	S	16
	W	43.9
	Z	12.9
	OD1	59
	H	17.2
APLICAÇÃO Application / Aplicación Pg. 168		CW/CCW Horário

5784		
	R	6
	RD	52.2
	ID	17.06
	S	16
	W	42.7
	Z	15
	OD1	57.5
	H	10.8
APLICAÇÃO Application / Aplicación Pg. 168		CW/CCW Horário

5785		
	R	4
	RD	52
	ID	17.06
	S	16
	W	37.6
	Z	13.4
	OD1	58.5
	H	15
APLICAÇÃO Application / Aplicación Pg. 168		CW/CCW Horário

5786		
	R	5
	RD	56.2
	ID	17.06
	S	16
	W	39.3
	Z	8.5
	OD1	61
	H	15.4
APLICAÇÃO Application / Aplicación Pg. 168		CW/CCW Horário

5787		
	R	7
	RD	48.7
	ID	17.06
	S	14
	W	38.8
	Z	9
	OD1	54.05
	H	12
APLICAÇÃO Application / Aplicación Pg. 169		CW/CCW Horário

5788		
	R	6
	RD	54.8
	ID	17.06
	S	16
	W	34.3
	Z	3.9
	OD1	59
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 169		CW/CCW Horário

5789		
	R	5
	RD	49.5
	ID	17.06
	S	14
	W	39.2
	Z	16.4
	OD1	54.05
	H	12.1
APLICAÇÃO Application / Aplicación Pg. 169		CW/CCW Horário

5790		
	R	6
	RD	53.8
	ID	17.06
	S	14
	W	41.9
	Z	14.4
	OD1	59
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 169		CW/CCW Horário

5791		
	R	6
	RD	53.7
	ID	17.06
	S	16
	W	35.7
	Z	8.2
	OD1	59
	H	11.3
APLICAÇÃO Application / Aplicación Pg. 170		CW/CCW Horário

5792		
	R	7
	RD	54.9
	ID	17.06
	S	16
	W	36.9
	Z	6
	OD1	60.2
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 170		CW/CCW Horário

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5793		
	R	5
	RD	57
	ID	17.06
	S	14
	W	41.9
	Z	18.4
	OD1	61
	H	11
APLICAÇÃO Application / Aplicación Pg. 170		
CW/CCW	Horário	

5794		
	R	6
	RD	58
	ID	17.06
	S	14
	W	41.6
	Z	10.8
	OD1	62.7
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 170		
CW/CCW	Horário	

5795		
	R	6
	RD	60
	ID	17.06
	S	16
	W	40.2
	Z	8
	OD1	65
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 170		
CW/CCW	Horário	

5796		
	R	7
	RD	64.9
	ID	17.06
	S	16
	W	36.6
	Z	6
	OD1	67.5
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 170		
CW/CCW	Horário	

5797		
	R	8
	RD	59.8
	ID	17.06
	S	17
	W	50.6
	Z	12.8
	OD1	65
	H	17.5
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	

5798		
	R	4
	RD	52
	ID	17.06
	S	16
	W	34.6
	Z	14
	OD1	58.5
	H	8.2
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	

5799		
	R	6
	RD	64.9
	ID	17.06
	S	17
	W	35.9
	Z	6
	OD1	69
	H	11.4
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	


5800		
	R	6
	RD	54
	ID	17.06
	S	16
	W	42.3
	Z	14.6
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	

5801		
	R	6
	RD	53.4
	ID	17.06
	S	16
	W	44
	Z	16.3
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	

5802		
	R	6
	RD	54
	ID	17.06
	S	14
	W	41.1
	Z	13.4
	OD1	59
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 171		
CW/CCW	Horário	

5803		
	R	5
	RD	50
	ID	17.06
	S	16
	W	35.5
	Z	11.1
	OD1	54.05
	H	11.8
APLICAÇÃO Application / Aplicación Pg. 172		
CW/CCW	Horário	

5804		
	R	7
	RD	55
	ID	17.06
	S	14
	W	41.41
	Z	9.11
	OD1	61
	H	12
APLICAÇÃO Application / Aplicación Pg. 172		
CW/CCW	Horário	

5805		
	R	7
	RD	59.9
	ID	17.06
	S	16
	W	36.9
	Z	6
	OD1	63
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 172		
CW/CCW	Horário	

5806		
	R	6
	RD	55
	ID	17.06
	S	17
	W	44.9
	Z	17.4
	OD1	59
	H	17
APLICAÇÃO Application / Aplicación Pg. 172		
CW/CCW	Horário	

5807		
	R	6
	RD	54.2
	ID	17.06
	S	16
	W	46.9
	Z	19
	OD1	60.2
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 172		
CW/CCW	Horário	

5808		
	R	4
	RD	51.9
	ID	17.06
	S	17
	W	38.7
	Z	18.6
	OD1	56
	H	17
APLICAÇÃO Application / Aplicación Pg. 173		
CW/CCW	Horário	

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5809		
	R	6
	RD	67
	ID	17.06
	S	14
	W	41.6
	Z	9
	OD1	72.3
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 173		CW/CCW Horário

5810		
	R	7
	RD	54.7
	ID	17.06
	S	16
	W	42.1
	Z	10.9
	OD1	60
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 173		CW/CCW Horário

5811		
	R	6
	RD	55.8
	ID	17.06
	S	14
	W	40.6
	Z	11.2
	OD1	61
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 173		CW/CCW Horário

5814		
	R	6
	RD	65
	ID	17.06
	S	17
	W	40.6
	Z	8.4
	OD1	70
	H	16
APLICAÇÃO Application / Aplicación Pg. 173		CW/CCW Horário

5815		
	R	6
	RD	54
	ID	17.06
	S	17
	W	43.1
	Z	15.4
	OD1	59
	H	17
APLICAÇÃO Application / Aplicación Pg. 174		CW/CCW Horário

5816		
	R	4
	RD	64.1
	ID	17.06
	S	16
	W	39.3
	Z	14.4
	OD1	68
	H	15.4
APLICAÇÃO Application / Aplicación Pg. 174		CW/CCW Horário

5817		
	R	6
	RD	56
	ID	17.06
	S	14
	W	38.1
	Z	9
	OD1	59
	H	10.8
APLICAÇÃO Application / Aplicación Pg. 174		CW/CCW Horário

5818		
	R	6
	RD	53.7
	ID	17.06
	S	16
	W	43.9
	Z	16.2
	OD1	59
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 174		CW/CCW Horário

5819		
	R	6
	RD	52.7
	ID	17.06
	S	16
	W	36.6
	Z	8
	OD1	58
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 174		CW/CCW Horário

5820		
	R	4
	RD	62.2
	ID	17.06
	S	14
	W	40.4
	Z	9.1
	OD1	68
	H	10.4
APLICAÇÃO Application / Aplicación Pg. 175		CW/CCW Horário

5821		
	R	6
	RD	62
	ID	17.06
	S	16
	W	49.3
	Z	21.6
	OD1	67
	H	11.1
APLICAÇÃO Application / Aplicación Pg. 175		CW/CCW Horário

5822		
	R	6
	RD	66.3
	ID	17.06
	S	14
	W	44.5
	Z	16.8
	OD1	72.3
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 175		CW/CCW Horário



R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

6001		
	R	7
	RD	52.6
	ID	15.03
	S	14
	W	50.3
	Z	8.9
	OD1	59.1
	H	12.6
APLICAÇÃO Application / Aplicación Pg. 176		
CW/CCW	Horário	

6002		
	R	7
	RD	55
	ID	17.03
	S	14
	W	50.3
	Z	9
	OD1	61.5
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 176		
CW/CCW	Horário	

6003		
	R	6
	RD	56.5
	ID	17.03
	S	16
	W	45.3
	Z	5.1
	OD1	64.5
	H	9.2
APLICAÇÃO Application / Aplicación Pg. 176		
CW/CCW	Horário	

6004		
	R	6
	RD	53.1
	ID	17.03
	S	17
	W	48.9
	Z	8.4
	OD1	57.1
	H	17.9
APLICAÇÃO Application / Aplicación Pg. 176		
CW/CCW	Horário	

6005		
	R	7
	RD	52.5
	ID	17.03
	S	14
	W	46.4
	Z	9.2
	OD1	59
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 176		
CW/CCW	Horário	

6006		
	R	6
	RD	55
	ID	17.03
	S	14
	W	46.4
	Z	9.1
	OD1	61.6
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 177		
CW/CCW	Horário	

6007		
	R	5
	RD	56.9
	ID	17.03
	S	17
	W	47.1
	Z	18.5
	OD1	59.6
	H	8.5
APLICAÇÃO Application / Aplicación Pg. 177		
CW/CCW	Horário	

6009		
	R	6
	RD	54.05
	ID	17.03
	S	16
	W	48.9
	Z	7.8
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 177		
CW/CCW	Horário	

6010		
	R	6
	RD	57.5
	ID	17.03
	S	16
	W	49.4
	Z	9
	OD1	63.1
	H	11.2
APLICAÇÃO Application / Aplicación Pg. 177		
CW/CCW	Horário	

6011		
	R	6
	RD	54.05
	ID	17.03
	S	17
	W	48.9
	Z	7.8
	OD1	54.05
	H	14.5
APLICAÇÃO Application / Aplicación Pg. 178		
CW/CCW	Horário	

6012		
	R	6
	RD	53.8
	ID	17.03
	S	16
	W	46.9
	Z	18.5
	OD1	60.7
	H	7
APLICAÇÃO Application / Aplicación Pg. 178		
CW/CCW	Horário	

6013		
	R	6
	RD	57.5
	ID	17.03
	S	14
	W	49.2
	Z	8.7
	OD1	62
	H	12.2
APLICAÇÃO Application / Aplicación Pg. 178		
CW/CCW	Horário	

6014		
	R	6
	RD	55.9
	ID	17.03
	S	16
	W	41.6
	Z	12.4
	OD1	61.1
	H	10
APLICAÇÃO Application / Aplicación Pg. 178		
CW/CCW	Horário	

6015		
	R	6
	RD	57.5
	ID	17.03
	S	17
	W	51.7
	Z	8.5
	OD1	62
	H	17.3
APLICAÇÃO Application / Aplicación Pg. 179		
CW/CCW	Horário	

6018		
	R	6
	RD	62.5
	ID	17.03
	S	14
	W	50.2
	Z	9.2
	OD1	67.5
	H	12.3
APLICAÇÃO Application / Aplicación Pg. 179		
CW/CCW	Horário	

6026		
	R	6
	RD	66.7
	ID	17.03
	S	16
	W	51.2
	Z	7.1
	OD1	71.6
	H	13.6
APLICAÇÃO Application / Aplicación Pg. 179		
CW/CCW	Horário	

R	RD	ID	S	W	Z	OD1	H	CW/CCW
Nº de Filetes # of Ribs Nº Ranuras	Ø Filetes Ø Over Ribs Ø Polea en Ranuras	Ø Rebaixo Ø Rabbet Inner Ø Rebaje	Rosca Thread Rosca	Largura Width Ancho	Distância 1º Filete Distance 1st Thread Distancia 1º Hilo	Ø Externo 1 Ø External 1 Ø Externo 1	Altura do Rebaixo Rabbet Height Altura de Rebaje	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

## 6027



R	6
RD	61.2
ID	17.03
S	16
W	48.1
Z	9.8
OD1	66.2
H	15.3
CW/CCW	Horário

APLICAÇÃO  
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T	G	L	SPL	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 Estrías	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

5600		
	T	-
	G	-
	L	-
	SPL	-
	FAM	-
	CW/CCW	-
APLICAÇÃO Application / Aplicación Pg. 180		

12623		
	T	-
	G	-
	L	-
	SPL	-
	FAM	-
	CW/CCW	-
APLICAÇÃO Application / Aplicación Pg. 180		

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## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Blazer Motor MWM 2.8 Diesel | Nova S10 2.4 2002... | Nova S10 2.5 2012... | Nova S10 2.8 2012... | S10 Motor MWM 2.8 Diesel 01/2000... | Tracker Motor MWM 2.8 Diesel | Trailblazer 2013... - **Mercedes Benz:** Sprinter - **Nissan:** Frontier Motor MWM 2.8T Diesel out/02 | XTerra Motor MWM 2.8T Diesel out/02  
**Seat:** Cordoba 1.2 10/2002...06/2006 | Ibiza IV 1.2 02/2002...06/2006 - **Skoda:** Fabia 1.2 07/2001...12/2007 | Fabia Praktik 1.2 07/2001...12/2007 - **Troller:** Especial/Special 2.8 Diesel Motor MWM out/02 - **Volkswagen:** Fox 1.2 abr/05 | Polo 1.2 04/01...10/2001

## ALTERNADOR / Alternator

**General Motors/Chevrolet:** 13579677 | 13593805 | 84062199 - **Lester:** 11746 | 20980 - **Valeo:** 439428 | 2542434 | SG10B017 | 03D903025D | 03D903025E | 03D903025H | 03D903025J

## EQUIVALENTE / Equivalent

**Cargo:** 234569 - **Dayco:** ALP2367 - **General Motors/Chevrolet:** 13582936 | 24582666 | 24585484 | 93297735 - **IKA:** 335581 - **INA:** F233593 | F2335931 | F2335932 | F23359303 | F23359304 | F23359305 - **Litens:** 222562 - **Luk:** 535006010 - **SKF:** VKM03111 - **Valeo:** 493822 | 583516 | 2220306 | 2548207 | 6Y3725552 - **Volkswagen:** 03D903119A - **WAI:** 2494250

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## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** V 230TD 09/1996...07/2003 | Vito 108D 2.3 02/1996...07/2003 | Vito 110D 2.3 ano 02/1996...07/2003 | Vito 110TD 2.3 ano 02/1996...07/2003 - **Ssangyong:** Actyon I 2.3 4x4 11/2005... | Musso 2.9 4x4 08/2004... | Rexton RX290

## ALTERNADOR / Alternator

**Bosch:** 0101540302 | 0101541602 | 0101544902 | 0101547402 | 0101547702 | 0111540502 | 0123320029 | 0123320047 | 0123320062 | 0123510044 | 0123510058 | 0123510075 | 0123510102 | 0123520008 | 0123520010 - **Lester:** 12676 | 12677 | 13613 | 13779 | 20089 | 22886 | 22900 | 22902

## EQUIVALENTE / Equivalent

**Bosch:** 1126601549 | 1126601572 | F00M991392 - **Cargo:** 138807 - **Dayco:** ALP2326 - **IKA:** 335871 - **INA:** F2256431 | F2256434 | F2256435 | F2256436 | F2256437 | F2256438 | F2256439 | F22564310 | F22564311 | F22564312 | F22564313 - **Luk:** 535000210 | 535007710 | 535013610 - **Mercedes Benz:** 6041500160 | 6041500560  
**SKF:** VKM03824 - **Valeo:** 2655139 - **WAI:** 2491252

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## APLICAÇÃO / Application / Aplicación

**Audi:** A4 1.6 (8D2,8D5,B5) (74kW) 11/1994...07/2000 | A4 1.6 (8D2,8D5,B5) (75kW) 07/2000...09/2001 | A4 1.8 (8D2,8D5,B5) (85-92kW) 01/1995...09/2001 | A4 1.8T (8D2,8D5,B5) (110kW) 01/1995...09/2001 | A4 1.8T (8D2,8D5,B5) (132kW) 12/1997...09/2001 | A6 1.8 (4B,C5) (85kW) 05/1997...01/2005 | A6 1.8 (4B,C5) (92kW) 07/1997...01/2005 | A6 1.8, 1.8 Turbo (92-110kW) 08/1995...12/2005 | A6 1.8T (4B,C5) (110kW) 01/1997...01/2005 | A6 1.8T (4B,C5) (132kW) 12/1997...01/2005 - **Skoda:** Superb 2.0 (3U4) 02/2002...03/2008 - **Volkswagen:** Passat 1.6, 1.8, 1.8 20V, 1.8T 20V (3B2,3B5) (74-110kW) 10/1996...11/2000 | Passat 1.8T Syncro, 2.0 (3B2,3B5) (110kW) 11/1996...08/2000 | Passat Variant 1.6, 2.0 (3B3,3B6) 11/2000...05/2005

## ALTERNADOR / Alternator

**Bosch:** 0124515025 - **Lester:** 11214 - **Volkswagen:** 06B903016B

## EQUIVALENTE / Equivalent

**Audi:** 038903119P - **Bosch:** F00M147722 | F00M991042 | F00M991376 - **Cargo:** 230304 - **Dayco:** ALP2332 - **Febi:** 15260 - **Gates:** OAP7076 - **INA:** F22632206 | F22632209 | F22632210 | F22632211 | F22632214 - **Luk:** 535000810 - **Ruville:** 55487 - **SKF:** VKM03113 - **Volkswagen:** 038903119P - **WAI:** 2491253

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## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** 2 T 208D 01/1995...04/2000 | 2 T 210D, 212D 02/1995...04/2000 | 3 T 308D, 310D 02/1995...04/2000 | 3 T 310D 01/1997...08/2002 | 4 T 408D 02/1996...05/2006 | C 200 D, C 200 T D 10/1996...03/2001 | C 250 D 05/1993...05/2000 | C 250 T Turbo D 06/1996...03/2001 | C Klasse, Class | C200 D 03/1993...05/2000 | E 200 D 01/1996...03/2002 | E 220 D 06/1995...03/2002 | E 250 D 06/1995...07/1999 | E 250 T D 06/1996...07/1999 | E 290 Turbo 03/1996...07/1999 | E 290 T Turbo 06/1996...07/1999 | E 300 D 06/1995...06/1997 | E 300 T, E 300 Turbo D 12/1996...07/1999 | E Klasse, Class | G 290 TD 07/1997... | G 300 TD 08/1996... | G Klasse, Class | S 300 Turbo D 05/1996...10/1998 | S Klasse/Class 05/1996...10/1998 | Sprinter

## ALTERNADOR / Alternator

**Bosch:** 0123320041 | 0123320046 | 0123510038 | 0123510049 | 0123510080 | 0123510101 | 6033GB3030 | 6033GB3031 | 6033GB3040 - **Lester:** 13811 | 13972 | 22902  
**Mercedes Benz:** 81549602 | 91543002 | 91544102 | 91545802 | 101500102 | 101540502 | 101540802 | 101544702 | 101544802 | 101545402 | 101549402 | 111540002 | 111540802 | 111542202 | 111545402 - **Steyr:** 111545402

## EQUIVALENTE / Equivalent

**Bosch:** 1126601568 | 6033GD5036 | F00M991391 - **Cargo:** 230305 | 332319 - **Dayco:** ALP2378 - **Febi:** 14045 | 15165 - **Gates:** OAP7072 - **INA:** F228215 | F2256442 | F2256444 | F2256445 | F2256446 | F2256447 | F22564407 | F22821501 | F22821502 | F22821503 | F22821504 - **Luk:** 535000310 | 535001310 - **Mercedes Benz:** 6021500060 | 6041500060 | 6041500360 - **SKF:** VKM03822 - **Valeo:** 584983 | 593495 | 2547128 - **WAI:** 2491254 | 2491280



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**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 1.6, 2.0 2010... | A2 1.4 TDi 2000...2005 | A3 1.6, 1.8, 1.9, 2.0 1996... | A3 1.6TDI mai/09 | A3 1.9TDI 09/2004... | A3 2.0FSI, 2.0T FSI 09/2004... | A3 3.2, 2.0TDI 09/2004... | A3 S3 07/2008... | A4 1.9, 1.9TDI, 2TDI, 2.0TDI nov/04 | A6 2.0 TDi 2004...2011 | Q3 2.0 TDi 2011... | TT 1.8 T, 3.2 VR6 07/2003...06/2006 | TT 1.8 T, Quattro TFSi 2000...2006 | TT 2.0 TDi 06/2008... | TT 2.0 TFSi 10/2006... | TT 2.0, 2.0 TFSi 05/2008... | TT 3.2 V6 10/2006... - **Ford:** Galaxy 1.9 TDi, 2.8i V6 4x4 1995...2006 - **Mitsubishi:** Grandis 2.0 2005... | Lancer 2.0 2008... | Lancer Sport Back 2.0 2008... | Outlander II 2.0 2007... - **Seat:** Alhambra 1.8 T, 1.9 TDi, 2.0i, 2.8 V6 1996...2010 | Altea 1.6, 1.9, 2.0 TDi, LPG, TFSi 2004...2010 | Arosa 1.4 TDi 2000...2004 | Cordoba 1.4, 1.9 TDi, Sdi 1996...2002 | Exeo 2.0 TDi 2009... | Ibiza 1.2, 1.4, 1.9, 2.0 1997...2010 | Leon 1.4, 1.6, 1.8, 1.9, 2.3, 2.8 2002...2006 | Toledo II, III 1.6, 1.8, 1.9, 2, 2.3, 2.8, TFSi, TDi 1999...2006 - **Skoda:** Fabia 1.2, 1.4, 1.6, 1.9 1999...2010 | Octavia 1.6, 1.8, 1.9, 2.0 1996... | Roomster 1.2, 1.4, 1.6, 1.9, TDi 2006...2010 | Superb 1.6, 2.0 TDi 2008...2010 | Yeti 1.6, 2.0 TDi 2009... - **Volkswagen:** Bora 1.6, 1.8, 1.9, 2, 2.3, 2.8 1998...2005 | Caddy G2, G3 1.6, 1.9, 2.0 1995...2010 | Crafter 2.5 TDi 2006... | Eos 2, 3.2 FSi, TFSi, TDi v6 2006... | Fox 1.4 Tdi (Alt.045903023B, 045903023, 038903018R) 04/2005... | Golf G3 1.6, 1.8, 1.9, 2, 2.3, 2.8 1997...2005 | Golf G5 1.9, 2.0 TDi 2007... | Golf G6 1.6, 2.0 TDi 2009... | Golf Plus 1.6, 2, 1.9 2005... | Jetta III, V 1.4, 1.6, 2.0 2005...2010 | Lupo 1.2, 1.4 1999...2005 | Multivan 1.9, 3.2 2003...2009 | New Beattie 1.4, 1.6, 1.8, 1.9, 2, 2.3 2000... | Passat 1.6, 1.9, 2, 3.2 TDi, FSi 2005... | Polo 1.2, 1.4, 1.6, 1.7, 1.9 D, TDi, SDi 1997... | Rabbit V 1.6, 1.9, 2, 3.2 2004... | Scirocco 1.8, 2.0 2008... | Sharam 1.8, 1.9, 2, 2.8 1997...2011 | Tiguan 2.0 TDi 2007... | Touran 1.6, 1.9, 2.0 TDi 2003...2011 | Transporter 1.9, 2, 3.2 2003...2009

**ALTERNADOR / Alternator**

**Bosch:** 028903030 | 045903023 | 0124525091 | 021903026A | 021903026G | 021903026L | 022903028A | 022903028B | 028903026H | 028903028C | 028903028D | 028903028E | 028903030A | 036903024A | 038903018Q | 038903023J | 038903023K | 038903023L | 038903023Q | 038903023R | 038903023S | 038903024B | 038903024D | 038903024F | 038903024G | 03P903023E | 045903023A | 045903023B | 06F903023F | 06F903023J | 038903018QX | 038903024F3 | F000BL0615 - **Hitachi:** 028903029G - **Lester:** 11134 | 11221 | 11257 | 11360 | 11388 | 11586 | 11703 | 11721 | 12780 | 13849 | 13851 | 13853 | 13942 | 20014 | 20330 | 20444 | 20904 | 23355 | 23358 | 23827 | 24090 - **Valeo:** 03L903023 | 038903023S | 038903024G | 03C903025D | 03G903016A | 03L903023A | 03L903023E | 03L903023F | 03P903023D | 03P903023E | 06F903023C | 06F903023D | 06F903023E | 06F903023F | 06F903023H - **Volkswagen:** 03L903023G

**EQUIVALENTE / Equivalent**

**Bosch:** F00M599534 - **Cargo:** 230293 | 332317 - **Dayco:** ALP2335 - **Febi:** 15262 - **Gates:** OAP7013 - **INA:** F227628 | F553470 | F22762804 | F22762805 | F22762806 | F22762807 | F22762810 | F22762811 | F22762812 | F55347001 | F55347002 | F55347004 | F55347005 | F55347006 | F55347007 | F55347008 - **Luk:** 535001210 - **SKF:** VKM03100 - **Valeo:** 593600 | 593999 | 2546778 | 2602911 | 2604504 - **WAI:** 2491255

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**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 156, 156 Sportwagon (932) 1.9 JTD (932B2B) 10/2000...05/2001 - **Fiat:** Brava (182) 1.9 TD 100 S, 1.9 JTD (182.AF,BF) 03/1996...2010/01 | Bravo I (182) 1.9 TD 100 S, 1.9 JTD (182.AF,BF) 03/1996...2010/01 | Doblo (119) 1.9 JTD (223AXE1A) out/01 | Doblo Cargo (223) 1.9 JTD (223AXE1A) out/01 | Marea 1.9 TD 100, JTD 110 set/96 | Marea Weekend (185) 1.9 TD 100, JTD 110 set/96 - **Lancia:** Lybra 1.9 JTD (839AX1A) 09/2000...05/2001 | Lybra SW (839AX) 1.9 JTD (839AX1A) 09/2000...05/2001

**ALTERNADOR / Alternator**

**Alfa Romeo:** 60816045 - **Fiat:** 46782218 | 63321315 | 63321859 - **Lester:** 20423 | 21244 | 22596 | 23104 | 23105 | 24085 - **Magneti Marelli:** 46765838

**EQUIVALENTE / Equivalent**

**Alfa Romeo:** 9951162 - **Cargo:** 230313 | 332297 - **Dayco:** ALP2343 - **Febi:** 15090 - **Fiat:** 9948225 - **Gates:** OAP7048 - **IKA:** 335401 - **INA:** F23086604 | F23086605 | F23086607 | F23086610 | F23086611 - **Luk:** 535002310 - **SKF:** VKM03200 - **WAI:** 2493250

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**APLICAÇÃO / Application / Aplicación**

**Audi:** A4 1.6 (8D2,8D5,B5) (74kW) 01/1995...07/2000 | A4 1.6 (8D2,8D5,B5) (75kW) 07/2000...09/2001 | A4 1.6 Avant (8D2,8D5,B5) (74kW) 03/1996...07/2000 | A4 1.8, 1.8T (8D2,8D5,B5) (85-92kW/110W) 01/1995...09/2001 | A4 1.8T (8D2,8D5,B5) (132W) 12/1997...09/2001 | A4 1.9 DUO (8D2,8D5,B5) (66W) 03/1998...09/2001 | A4 1.9 TDI (8D2,8D5,B5) (55W) (Alt. 90/120A) 12/1995...09/2001 | A4 1.9 TDI (8D2,8D5,B5) (66W) 01/1995...09/2001 | A4 1.9 TDI (8D2,8D5,B5) (81W) 10/1995...09/2001 | A4 1.9 TDI (8D2,8D5,B5) (85W) 03/2000...09/2001 | A4 1.9 TDI (8E2,8E5,B6) (74W) 05/2001...12/2004 | A4 1.9 TDI (8E2,8E5,B6) (85W) 05/2001...12/2004 | A4 1.9 TDI (8E2,8E5,B6) (96W) 09/2001...12/2004 | A4 1.9 TDI (8EC,8ED) (85W) 11/2004... | A6 (4B,C5) 1.8 T 01/1997...01/2005 | A6 (4B,C5) 1.9 TDI (81kW) 04/1997...04/2001 | A6 (4B,C5) 1.9 TDI (85kW) 07/2000...01/2005 | A6 (4B,C5) 1.9 TDI (96kW) 08/2001...01/2005 - **Seat:** Arosa 1.7 SDI (44kW) 08/1997...06/2004 | Arosa 1.4 (55kW) 05/1997...06/2004 | Cordoba (6K2/C2) 1.6i, 1.8i, 2.0i 02/1993...06/1999 | Cordoba (6K2/C2) 1.9 SDI, 1.9 TDI, 2.0 i 16V 08/1996...08/1999 | Cordoba (6K5) 1.9 SDI, 1.9 TDI 06/1999...12/2002 | Ibiza Mk II (6K1) 1.6i, 1.8i, 2.0i 03/1993...08/1999 | Ibiza Mk II (6K1) 1.9 SDI, 1.9 TDI, 2.0 i 16V 08/1996...08/1999 | Ibiza Mk III (6K1) 1.9 SDI, 1.9 TDI 08/1999...02/2002 | Ibiza Mk IV (6K1) 1.4 16V, 1.9 TDI 02/2002...11/2009 | Ibiza Mk IV (6K1) 1.9 SDI 02/2002...12/2005 | Inca (6K9) 1.7 D 06/1996...06/2003 | Inca (6K9) 1.9 SDI 11/1995...06/2003 | Leon (1M1) 1.6, 1.8 20V, 1.9 TDI, 1.9 SDI, 1.8 20V T, 1.8 20V T 4 11/2009...06/2006 | Leon (1M1) 2.8 Cupra 4 02/2001...06/2006 | Toledo (1L) 1.9 TDI 08/1995...03/1999 | Toledo Mk II (1M2) 1.8 20V, 1.9 TDI 04/1999...05/2006 | Toledo Mk II (1M2) 2.3 V5 04/1999...05/2001 | Toledo Mk II (1M2) 2.3 V5 20V 05/2001...05/2006 - **Skoda:** Superb (3U4) 1.8 T, 2.0 02/2002...03/2008 | Superb (3U4) 1.9 TDI (74-77kW) 08/2002...05/2007 | Superb (3U4) 1.9 TDI (85kW) 01/2007...03/2008 | Superb (3U4) 1.9 TDI, 2.0 TDI (1996...20103kW) 02/2002...03/2008 - **Volkswagen:** Golf (1E7) Mk III 1.6 10/1994...05/1998 | Golf (1E7) Mk III 1.8, 2.0 03/1997...05/1998 | Golf (1E7) Mk III 1.9 TDI 08/1995...05/1998 | Golf (1H1) Mk III 1.4, 1.8, 1.9 D, 1.9 TD, GTD, 2.0 11/1991...08/1997 | Golf (1H1) Mk III 1.6 07/1995...08/1997 | Golf (1H1) Mk III 1.6 09/1992...08/1997 | Golf (1H1) Mk III 1.9 SDI (47kW) 07/1995...08/1998 | Golf (1H1) Mk III 1.9 TDI (66kW) 09/1991...08/1997 | Golf (1H1) Mk III 1.9 TDI (81kW) 04/1996...08/1997 | Golf (1H1) Mk III 2.0 GL 07/1995...08/1998 | Golf (1H1) Mk III 2.0 GTI 16V 08/1992...08/1997 | Golf (1H1) Mk III 2.9 VR6 Syncro (1HX1) 10/1994...08/1997 | Golf (1H5) Mk III 1.4, 1.8, 1.9 D, 1.9 TD, 2.0 07/1993...04/1999 | Golf (1H5) Mk III 1.6 07/1994...04/1999 | Golf (1H5) Mk III 1.9 SDI (81kW) 07/1995...04/1999 | Golf (1H5) Mk III 1.9 TDI (66kW) 03/1994...04/1999 | Golf (1H5) Mk III 1.9 TDI (81kW) 04/1996...04/1999 | Golf (1J1) Mk IV 1.4 16V, 1.8, 1.8T, 1.9 SDI 08/1997...06/2005 | Golf (1J1) Mk IV 1.6 08/1997...02/2002 | Golf (1J1) Mk IV 1.8 4motion 05/1998...06/2005 | Golf (1J1) Mk IV 1.9 TDI (81kW) 08/1997...05/2004 | Golf (1J1) Mk IV 1.9 TDI 4motion (66kW) 07/1998...04/2002 | Golf (1J1) Mk IV 1.9 TDI, 1.9 TDI 4motion (74kW) 08/1997...05/2005 | Golf (1J1) Mk IV 1.9 TDI, 1.9 TDI 4motion (96kW) 11/2000...06/2005 | Golf (1J1) Mk IV 2.0 07/1998...06/2005 | Golf (1J1) Mk IV 2.0 4motion, 2.3 V5, 2.3 V5 4 motion 10/2000...06/2005 | Golf (1J1) Mk IV 2.3 V5 09/2000...06/2005 | Golf (1J1) Mk IV 2.3 V5 4motion 12/1998...10/2000 | Golf (1J1) Mk IV 2.8 V6 4motion 03/1999...06/2005 | Golf (1J1) Mk IV 3.2 R32 4motion 09/2002...06/2005 | Passat (3B2,3B5) 1.6, 1.8, 1.8 20V, 1.9 TDI 10/1996...11/2000 | Passat (3B2,3B5) 1.8, 1.8 20V, 1.9 TDI (66-92kW) 06/1997...11/2000 | Passat (3B2,3B5) 1.9 TDI (74kW) 02/2000...11/2000 | Passat (3B2,3B5) 1.9 TDI (85kW) 08/1998...11/2000 | Passat (3B3,3B6) 1.6, 1.9 TDI, 2.0 (75kW) 11/2000...05/2005 | Passat 1.8, 1.8 Lingyu, 2.0 Lingyu 04/2000...07/2005 | Passat Lingyu 1.8 T, 2.0 04/2006...03/2009 | Polo (6N2) 1, 1.7 SDI, 1.9 D, 1.9 SDI 10/1999...09/2001 | Polo (6N2) 1.4 Tdi 01/2000...10/2000 | Polo (6NF) 1.4 05/1998...12/1999 | Polo (9N) 1.4 16V (59kW) 10/2001...05/2009 | Polo (9N) 1.4 16V (75-101kW) 10/2001...05/2008 | Polo (9N) 1.9 TDI (96kW) 11/2003... | Polo (9N) 1.9 TDI, 1.9 SDI (74kW) 10/2001... | Sharan (7M8,7M9,7M6) 1.9 TDI 09/1995...03/2010 | Sharan (7M8,7M9,7M6) 1.9 TDI, 1.9 TDI 4motion, 2.8 VR6, 2.8 V6 24V 4motion 04/2000...03/2010 | Sharan (7M8,7M9,7M6) 1.9 TDI, 2.0 09/1995...03/2010 | Sharan (7M8,7M9,7M6) 2.0 09/1995...03/2010 | Sharan (7M8,7M9,7M6) 2.0 TDI 05/2011...03/2010 | Sharan (7M8,7M9,7M6) 2.8 VR6 09/1995...04/2000

**ALTERNADOR / Alternator**

**Bosch:** 0124325018 | 0124325049 | 0124515026 | 0124515083 | 0124525010 | 0124525089 | 0124615021 - **Ford:** 95VW10300ABA - **Lester:** 11207 | 11208 | 11209 | 11210 | 11212 | 23320 | 23323 - **Valeo:** 2542234A | SG12B010 | SG12B012 - **Volkswagen:** 28903031 | 028903027T | 028903029A | 028903029B | 028903029D | 028903029E | 028903029N | 028903029Q | 028903029R | 028903029S | 028903029T | 028903031A | 06B903016E | 06B903016AD

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147724 | F00M991043 | F00M991045 | F00M991378 - **Cargo:** 230302 | 332295 - **Dayco:** ALP2329 - **Febi:** 15254 - **Gates:** OAP7033 - **IKA:** 335411 - **INA:** F552699 | F22565306 | F22565307 | F22565310 | F22565311 | F55269901 | F55269902 | F55269903 - **Luk:** 535000510 - **SKF:** VKM03107 - **Valeo:** 2574439  
**Volkswagen:** 038903119 | 022903119B | 022903119D | 038903119J | 038903119M | 0289033119AC - **WAI:** 2491256

**5381****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación**

**Ford:** Galaxy 1.9 TDI - **Seat:** Alhambra 1.9 TDI, 2.0i | Cordoba 1.9 SDI, TDI | Cordoba Variora 1.9SDI, TDI | Felicia I 1.6 | Felicia II 1.6 GLX, 1.6 LX, 1.6 | Ibiza II 1.9 SDI, TDI | Inca 1.7 D, SDI | Toledo I 1.9 TDI - **Volkswagen:** Caddy II Box 1.9 SDI, TDI | Golf III 1.9 D, TD, GTD, TDI, TDI Syncro | Golf III Cabriolet 1.9 TDI | Golf III Variant 1.9 D, TD, TDI | Golf IV Cabriolet 1.9 TDI | Passat 1.6, 1.8, 1.9 TDI, TD, 2.0 16v | Passat Variant 1.6, 1.8, 1.9 TDI, TD, 2.0 16v | Polo Classic 110 1.9 TDI, 57 1.7 SDI, 64 1.9 SDI, 90 1.9TDI | Sharan 1.9TDI, 2.0 | Transporter IV 2.2 4 D | Vento 1.9 D, TD, TDI

**ALTERNADOR / Alternator**

**Bosch:** 0120468080 | 0120468119 | 0120468120 | 0120469020 | 0120469021 | 0120469931 | 0120469932 | 0123310001 | 0123310019 | 0123310035 | 0123310049 | 0123320007 | 0123320027 | 0123320038 | 0123340003 | 0123515017 | 0123515020 | 0124325101 | 0126601565 | 0986036790 | 0986038370 | 0986039090 | 0986039450 | 0986040950 | 0986041300 | 0986048950 - **Cargo:** 111828 - **Dixie:** A6389 - **Lester:** 21392 | 23770 | 23771 - **Pic:** 220275D - **TRW:** LRB389 - **Unipoint:** ALT2084  
**Volkswagen:** 028903018A | 028903018X | 028903025J | 028903025Q | 028903026A | 028903026B | 028903026G | 028903028J | 028903028P | 6K0903028 | 074903023C | 074903025A | 074903025B | 074903025C | 074903025D | 028903018AX - **Wilson:** 90156329 - **Woodauto:** ALT10211

**EQUIVALENTE / Equivalent**

**Bosch:** 1126601565 | 1127011846 | F00M991389 - **Cargo:** 139281 | 332292 - **Dayco:** ALP2325 - **Febi:** 11701 - **Gates:** OAP7040 - **IKA:** 335171 - **INA:** F225355 | F2253554 | F2253555 | F2253556 | F2253557 | F22535510 | F22535511 - **Luk:** 535000110 - **SKF:** VKM03106 - **Volkswagen:** 028903119P | 028903165B | 028903119AA | 028903119AQ - **WAI:** 2491105

**5382****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Audi:** A4 1.9 DUO 03/1998...09/2001 | A4 1.9 TDI (66kW) 01/1995...09/2001 | A4 1.9 TDI (81kW) 10/1995...09/2001 | A4 1.9 TDI (85kW) 03/2000...09/2001 | A4 1.9 TDI (82D,8D5,B5) (55kW) (Alt. 70A) 12/1995...09/2001 | A6 1.9 TDI 04/1997...04/2001 - **Skoda:** Felicia 1.9D (6U1,6U5) 10/1995...03/1998 | Felicia 1.9D (797) 06/1997... | Felicia 1.9D Mk II (6U1,6U5) 01/1998...06/2001 - **Volkswagen:** Golf 1.9 TDI, 1.9 TDI 4 motion 11/2000...06/2005 | Passat 1.9 TDI 10/1996...11/2000 | Passat Variant 1.9 TDI 05/1997...11/2000 | Polo 64 1.9 D ano 10/1994...10/1999

**ALTERNADOR / Alternator**

**Bosch:** 0123320055 | 0123515003 - **Lester:** 13833 | 21429 | 21430 | 22866 - **Volkswagen:** 28903028 | 028903027Q | 028903027S | 028903028F

**EQUIVALENTE / Equivalent**

**Bosch:** 1126601534 | 1126601566 | 1127011847 | F00M991390 - **Dayco:** ALP2328 - **Febi:** 15252 - **Gates:** OAP7041 - **INA:** F2256533 | F2256534 | F2256535 | F2256539 | F22565308 | F22565312 | F22565313 - **Luk:** 535000410 - **SKF:** VKM03102 - **Volkswagen:** 028903165 | 028903119T | 028903119AN - **WAI:** 2491106

**5383****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación**

**Audi:** A3 1.6 (74kW) 09/1996...08/2000 | A3 1.6 (75kW) 08/2000... | A3 1.8 (92kW) 09/1996... | A3 1.8 T, 1.8 T quattro (110kW) 12/1996... | A3 1.9 TDI (66kW) 09/1996...07.01 | A3 1.9 TDI (81kW) 08/1997...07/2001 - **Seat:** Alhambra 1.8T 20V 10/1997...03/2010 | Arosa 1.7 SDI (44kW) 08/1997...06/2004 | Arosa 1.4 (55kW) 05/1997...06/2004 | Cordoba 1.4 i 16V, 1.9 SDI, 1.9 TDI 08/1996...06/1999 | Ibiza Mk II 1.4i 09/1993...08/1999 | Ibiza Mk II 1.6i, 1.8i, 2.0i 03/1993...08/1999 | Ibiza Mk II 1.9 TDI, 2.0 i 16V 06/1996...08/1999 | Inca 1.4i, 1.9 D, 1.9 SDI 11/1995...06/2003 - **Skoda:** Felicia 1.9 D (6U1,6U5) 10/1995...03/1998 | Felicia Mk II 1.9 D (6U1,6U5) 01/1998...06/2001 | Octavia 1.9 SDI (50kW) 06/1997... | Octavia 1.9 TDI (66kW) 09/1996... | Octavia 1.9 TDI (81kW) 08/1997... | Octavia Kombi 1.9 SDI, 1.9 TDI 07/1998... - **Volkswagen:** Golf IV 1.9 SDI, 2.3 V5 08/1997...06/2006 | Golf IV 1.9 TDI (66kW) 10/1997...05/2006 | Golf IV 1.9 TDI (81kW) 08/1997...05/2004 | New Beetle 1.9 TDI 01/1998...06/2004 | Sharan 1.8 T 20V 09/1997...

**ALTERNADOR / Alternator**

**Beck Arnley:** 1861037 | 1861038 | 1861051 - **Bosch:** 0123310035 | 0123320032 | 0123320059 | 0123510047 | 0123510099 | 0123515018 | 0123515021 | 0986040860 | 0986041000 | 0986041010 | 0986046010 - **Cargo:** 112543 - **Dixie:** A6282 | A6283 | A6285 | A6389 - **Ford:** 98VW10300AA | 98VW10300BA - **Lester:** 13622 | 13831 | 13832 | 21391 | 22707 | 22892 | 23770 - **Reliance:** 13831 | 31260 - **Romaine:** 3613832 - **TRW:** LRB385 | LRB390 | LRB391 - **Volkswagen:** 71903023 | 028903018B | 038903023G | 038903023H | 038903023J | 071903023A - **Wilson:** 90156325 | 90156326 | 90156329 - **Woodauto:** ALT10166 - **Worldwide:** 12032 | 12049

**EQUIVALENTE / Equivalent**

**Bosch:** 1126601559 | 1127011844 | F00M991388 - **Cargo:** 138203 - **Dayco:** ALP2234 - **Febi:** 14064 - **Gates:** OAP7047 - **IAT:** 25141 - **IKA:** 335161 - **INA:** F226804 | F22680404 | F22680405 | F22680407 | F22680408 | F22680409 - **Luk:** 535001010 - **SKF:** VKM03101 - **SWS:** 1335160 - **Volkswagen:** 038903119 | 038903165 - **WAI:** 2491107 - **Woodauto:** EC4068

**5384****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Seat:** Arosa 1.7 SDI - **Skoda:** Felicia I 1.9 D 10/1995... | Felicia II 1.9 D 01/1998...06/2001 | Kombi 1.9 D | Pick Up 1.9 D - **Volkswagen:** Caddy 1.9 D 06/1996...12/2000 | Lupo 1.7SDI | Polo 1.7SDI, 1.7SDI, 1.7 SDI 60, 1.9D, 1.9D 64, 1.9SDI, 1.9SDI 64 | Polo Box 1.7SDI 60, 1.9 SDI, 1.9D 64

**ALTERNADOR / Alternator**

**Bosch:** 0123310038 | 0123320033 | 0123320036 | 0123320048 | 0123325006 | 0986040320 | 0986040880 | 0986040930 - **Lester:** 21483 | 21484 | 22708 | 22785  
**Volkswagen:** 028903026A | 028903026B | 028903028L | 028903028P

**EQUIVALENTE / Equivalent**

**Bosch:** 1126601557 | 1127011843 | F00M991397 - **Cargo:** 138282 | 332290 - **Dayco:** ALP2333 - **Gates:** OAP7067 - **IKA:** 335151 - **INA:** F22655604 | F22655605 | F22655606 | F22655607 | F22655610 - **Luk:** 535000910 - **SKF:** VKM03109 - **Volkswagen:** 028903119S | 028903119AP - **WAI:** 2491257 - **Woodauto:** EC4067

**5385****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación**

**Audi:** A3 Sportback (8PA) RS3 quattro jan/11 | Q3 (8U) RS 2.5 quattro out/03 | TT (8J3) 2.5 TFSI RS quattro jul/09 | TT (8J3) 2.5 TFSI RS quattro mai/11 | TT Roadster (8J9) 2.5 TFSI RS quattro jul/09 | TT Roadster (8J9) 2.5 TFSI RS quattro mar/12 - **Seat:** Arosa 1.7 DI 08/1997...06/2004 - **Volkswagen:** Jetta III (1K2) 2.5 FSI 01/2006...10/2010 | Jetta IV (162) 2.5 FSI abr/10 | Lupo 1.7 SDI 09/1998...07/2005 | Polo (6N1/F) 1.7 SDI, 1.7 SDI 60 08/1997...12/1999 | Polo (6N1/F) 1.9 D, 1.9 D 64 08/1997...12/2010 | Polo (6N1/F) 1.9 SDI, 1.9 SDI 64 07/1996...12/1999 | Polo (6N2) 1.7 SDI, 1.9 D, 1.9 SDI 10/1999...09/2001

**ALTERNADOR / Alternator**

**Bosch:** 0124315006 | 0124315012 | 0124325014 | 0124325021 | 0124525102 | 0124525215 | F00M147808 | F00M991218 | F00M991285 - **Lester:** 11460 | 23173  
**Volkswagen:** 38903025 | 038903023P | 038903023T | 038903025A

**EQUIVALENTE / Equivalent**

**Audi:** 07K903023F - **Bosch:** F00M991039 | F00M991375 - **Dayco:** ALP2340 - **Febi:** 15264 - **Gates:** OAP7102 - **IKA:** 335481 - **INA:** F230147 | F240138 | F551357 | F2401381 | F23014701 | F23014702 | F23014703 | F23014704 | F23014705 | F24013801 | F24013802 | F24013803 | F55135701 - **Lester:** 11254 - **Luk:** 535001810 | 535009610 - **Ruville:** 59976 - **SKF:** VKM03103 - **Volkswagen:** 07K903119 | 038903119Q | 07K903023A | 07K903119A - **WAI:** 2491258

**5387****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

Audi: A6 (4B,C5) 1.8 07/1997...01/2005 | A6 (4B,C5) 1.8 T 01/1997...01/2005

## ALTERNADOR / Alternator

Bosch: 0123510045 - Lester: 23237 - Volkswagen: 058903016D

## EQUIVALENTE / Equivalent

Bosch: 1126601567 | 1127011848 | F00M992711 - Cargo: 237600 - Dayco: ALP2331 - Febi: 15258 - Gates: OAP7096 - IKA: 335211 - INA: F2263224 | F2263225 | F2263227 | F2263228 | F22632204 | F22632205 | F22632207 | F22632212 - Luk: 535000710 - SKF: VKM03120 - Volkswagen: 058903165 | 058903119C - WAI: 2491259

**5388****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

Fiat: 120 Multijet, 130 Multijet 2.3 D 01/2007... | Ducato 2.3 JTD 04/2002... - Volkswagen: New Beetle 2.3 V5 | Passat 2.3 V5 4motion, 2.3 VR5 Syncro/4 motion | Passat 2.3 V5, 2.3 VR5 10/1996...11/2000 | Variant 2.3 V5 4motion, 2.3 VR5 Syncro/4motion

## ALTERNADOR / Alternator

Bosch: 0124325020 | 0124515024 | 0124525020 | 0986046210 | F00M147723 | F00M991044 | F00M991377 - Fiat: 71723401 | 504009978 - Lester: 13921 | 22873 | 23243 | 23244 - Volkswagen: 071903016C | 071903016D

## EQUIVALENTE / Equivalent

Bosch: F00M147723 | F00M991044 | F00M991377 - Cargo: 230306 | 230312 - Dayco: ALP2342 - Febi: 15274 - Fiat: 9949580 - Gates: OAP7061 - IKA: 335271 - INA: F230846 | F23084601 | F23084602 | F23084603 | F23084604 | F23084605 - Luk: 535002210 - Volkswagen: 038903119L - WAI: 2491260 - Woodauto: EC4074

**5389****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

Mitsubishi: Carisma 1.9 DI-D 09/2000...06/2006 | Space Star 1.9 DI-D 02/2001... - Renault: Clio 1.9 dTi 12/1999...05/2005 | Espace III 1.9 dTi 02/1999...10/2002 | F9Q Engine series 1.9D | Kangoo 1.9 dCi, 1.9 dTi 02/2000... | Laguna 1.9 dTi 10/1997...03/2001 | Megane I 1.9 dCi, 1.9 dTi 03/1997... | Megane Scenic 1.9 dTi 04/1997...09/1999 | Scenic 1.9 dCi, 1.9 dCi RX4, 1.9 dTi 09/1999...08/2003 - Volvo: S40 I 1.9 DI, 1.9 TD | V40 1.9 DI, 1.9 TD

## ALTERNADOR / Alternator

Citroën: 8602556 - Lester: 20506 | 20507 | 20510 | 22774 | 23292 | 23293 - Lucas Indiel: LRB507 | LRB00507 - Renault: 8200054588 | 8200121413 | 8200159642 - Valeo: 437322 | 2542466A | 2542466B | 2542466D | A13VI171 | A13VI289 | A13VI292 | A13VI297 | SG10B019 | SG10B032 | SG10B064 | SG12B019 - Volvo: 8251635 | 8251637 | 8251638 | 8251640 | 8251641 | 8251644 | 8251645 | 8251646 | 8251647 | 8251648 | 8602185 | 8602186 | 8602806

## EQUIVALENTE / Equivalent

Cargo: 230522 - Dayco: ALP2345 - Febi: 24179 - Gates: OAP7043 - IKA: 335461 - INA: F556599 | F22888102 | F22888103 | F55659901 - Luk: 535002810 - Renault: 7701055871 | 7701207807 | 7701477502 | 8200613765 - SKF: VKM03600 - Valeo: 593515 | 593517 | 2546952 | 2604093 - Volvo: 3345812 | 8641982 | 31251071 - WAI: 2494255 - Woodauto: EC4234

**5390****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

Chrysler: Voyager 2.5TD - Volvo: 2.0 2.0 20V, 2.0 Turbo, 2.3 Turbo 01/1997...03/2000 | C70 I 2.0 20V, 2.0 T, 2.3 T5, 2.5 T 03/1997...10/2005 | Especial/Special 2.0 20V, 2.0 20V Turbo, 2.3 Turbo, 2.4 20V, 2.4 20V Turbo 01/1997...11/2000 | Especial/Special 2.0 Turbo (LS), 2.0 Turbo (LW) 02/1993...12/1996 | Especial/Special 2.0 Turbo (LS), 2.0 Turbo (LW) 09/1993...10/1997 | Especial/Special 2.3 04/1999...09/2000 | Especial/Special 2.3 10/2000...09/2004 | Especial/Special 2.3 12/1998...02/2000 | Especial/Special 2.3 (LS), 2.3 (LW) 01/1996...10/1996 | Especial/Special 2.3 20V T-5, 2.3 T5 GLT 11/1996...11/2000 | Especial/Special 2.3 T5 03/2000... | Especial/Special 2.3 T5 (LS), 2.3 T5 (LW) 02/1993...12/1996 | Especial/Special 2.3 T5 R 11/1996...09/1998 | Especial/Special 2.3 T5 R (LS), 2.3 T5 R (LW) 04/1996...10/1996 | Especial/Special 2.3 T5 Sport 07/1997...09/2000 | Especial/Special 2.3 T5-R (LS), 2.3 T5-R (LW) 08/1995...12/1996 | Especial/Special 2.3 Turbo R (LS), 2.3 Turbo R (LW) 06/1995...10/1997 | Especial/Special 2.4 11/1996...05/1999 | Especial/Special 2.4 Bifuel 10/1998...11/2000 | Especial/Special 2.4 GLE (LS), 2.4 GLE (LW), 2.5 (LW) 09/1993...10/1997 | Especial/Special 2.4 T5 Sport 11/1996...04/1999 | Especial/Special 2.4 Turbo, 2.5 Turbo 01/1997...05/2000 | Especial/Special 2.5 Bifuel 10/1998...08/1999 | S70 | V70 I | V70 II

## ALTERNADOR / Alternator

Bosch: 0123510109 | F00M061016 - Cargo: 112420 - Lester: 23014 - Volvo: 9442827

## EQUIVALENTE / Equivalent

Bosch: F00M061016 | F00M992717 - Cargo: 230519 - Dayco: ALP2373 - Gates: OAP7075 - IKA: 335251 - INA: F22707904 | F22707905 | F22707906 - Luk: 535002610 - SKF: VKM03650 - WAI: 2491261 - Woodauto: EC4225 - Yale: 9404328

**5392****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

Volkswagen: Passat 2.3 VR5, 2.3 VR5 Syncro/4motion 10/1996...11/2000 | Passat Variant 2.3 VR5, 2.3 VR5 Syncro/4motion 06/1997...11/2000

**5392****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator****Bosch:** 0123320054 | 0123510091 | 0124325020 | 0124515024 - **Lester:** 13921 | 22873 | 23243 | 23244 - **Volkswagen:** 071903016D | 071903016G | 071903016H**EQUIVALENTE / Equivalent****Bosch:** 1126601593 | 1127011857 | F00M147723 - **Cargo:** 230306 - **Dayco:** ALP2336 - **Febi:** 15184 - **Gates:** OAP7061 - **INA:** F228618 | F2286184 | F2286185 | F22861807 - **Luk:** 535001410 - **SKF:** VKM03119 - **Volkswagen:** 071903165 | 071903119B - **WAI:** 2491262 - **Woodauto:** EC4080**5393****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** C Class (W202) - C 200 CDI (202.134) 03/1998...05/2000 | C Class (W202) - C 220 CDI (202.133) 09/1997...05/2000 | C Class T Model (S204) - C 220 CDI 01/2009... | C Class Kombi (S202) - C 220 T CDI (202.193) 09/1997...03/2001 | E Class (W210) - E 200 CDI (210.007) 06/1998...03/2002 | E Class (W210) - E 220 CDI (210.006) 06/1998...07/1999 | E Class Kombi (S210) - E 220 T CDI (210.206) 06/1998...03/2003 | Sprinter 2T Autocarro (901, 902) - 208, 211, 213, 216 CDI 04/2000...05/2006 | Sprinter 2T Caminhão de plataforma chassis 04/2000...05/2006 | Sprinter 3T Autocarro (903) - 311, 313, 316 CDI 04/2000...05/2006 | Sprinter 3T Autocarro (903) - 311, 313, 316 CDI 4x4 08/2002...05/2006 | Sprinter 3T Caixa (903) - 308, 311, 313, 316 CDI 04/2000...05/2006 | Sprinter 3T Caixa (903) - 311, 313, 316 CDI 4x4 08/2002...05/2006 | Sprinter 3T Caminhão de plataforma chassis 04/2000...05/2006 | Sprinter 4T Autocarro (904) - 408, 411, 413, 416 CDI 04/2000...05/2006 | Sprinter 4T Caixa (904) - 408, 411, 413, 416 CDI 04/2000...05/2006 | Sprinter 4T Caminhão de plataforma chassis 04/2000...05/2006 | V Class (638/2) - V200 CDI, V220 CDI (Alt. A0101549502, A0101549602, A0111547002) 03/1999...07/2003 | Vito (638) - 112 CDI 2.2 (Alt. A0101549502, A0101549602, A0111547002) 03/1999...07/2003 | Vito Autocarro (638) - 112 CDI 2.2 1999...2003 | Vito Autocarro, Caixa (638) - 108, 110 CDI 2.2 (638.194) 03/1999...07/2003**ALTERNADOR / Alternator****Bosch:** 0123320051 | 0123320065 | 0123510082 | 0123510107 | 0123510108 | 0123520023 | 0124325105 | A0101549502 | A0101549602 | A0111547002 - **Lester:** 12383 | 12424 | 22879 | 23020 - **Mercedes Benz:** 101545902 | 101549502 | 101549602 | 111540602 | 111540902 | 111547002 | 111547802 | 121542202 | 131543602**EQUIVALENTE / Equivalent****Bosch:** 1126601597 | F00M061023 | F00M991304 - **Cargo:** 230292 | 332293 - **Dayco:** ALP2337 - **Febi:** 15154 - **Gates:** OAP7060 - **IKA:** 335291 - **INA:** F2288241 | F2288244 | F2288246 | F2288247 | F2288249 | F22882404 | F22882406 | F22882407 | F22882409 | F22882410 | F22882411 | F22882412 - **Luk:** 535001510**Mercedes Benz:** 6111500160 | 6111550215 | 6111550615 - **SKF:** VKM03821 - **WAI:** 2491263 - **Woodauto:** EC4077**5395****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Chrysler:** PT Cruiser (PT) - 2.2 CRD 03/2002... - **Jeep:** Grand Cherokee II (WJ, WG) - 2.7 CRD 4x4, 2.7 CRD Laredo 10/2004...09/2005 - **Mercedes Benz:** C Class (W202) - C 200 CDI (202.134), C 220 CDI (202.133) 09/1997...05/2000 | C Class (W203) - C 30 CDI AMG (203.018) 2003... | C Class Kombi (S202) - C 200 T CDI (202.194), C 220 T CDI (202.193) 09/1997...03/2001 | C Class T Model (S203) - C 30 CDI AMG 2003...2007 | C Class T Model (S204) - C 220 CDI 01/2009... | C Class Coupé (CL203) - C 30 CDI AMG | E Class (W210) - E 270 CDI (210/20016), Kombi (S210) - E 270 T CDI (210.216) 07/1999...03/2002 | Sprinter 2T Autocarro (901, 902) - 208, 211, 213, 216 CDI 2000...2006 | Sprinter 2T Autocarro, T Caixa, Caminhão plataforma (901, 902) - 213 CDI 04/2000...05/2006 | Sprinter 2T Caixa, Autocarro (901, 902) - 208, 211, 213, 216 CDI 2000...2006 | Sprinter 3,5T Caixa, Caminhão plataforma (906) - 313, 315, 316, 4x4 CDI 06/2006... | Sprinter 3T Autocarro, Caixa (906) - 224, 309, 324, 315 CDI, 4x4 06/2006... | Sprinter 3T Autocarro, Caixa, Caminhão plataforma (906) - 209, 210, 213, 215, 216, 310 CDI 03/2009... | Sprinter 3T Autocarro, Caminhão plataforma (903) - 313 CDI, 4x4 04/2000...05/2006 | Sprinter 4, 6T Caixa, Caminhão plataforma (906) - 416 CDI 03/2009... | Sprinter 4T Autocarro, Caminhão plataforma (904) - 413 CDI, 4x4 04/2000...05/2006 | Sprinter 4T Caminhão plataforma | Sprinter 5T Caixa (906) - 524, 509, 513, 515 CDI 06/2006... | Sprinter 5T Caixa, Caminhão plataforma (906) - 510, 516 CDI 03/2009... | V Class (638/2) - V200 CDI, V220 CDI (Alt. A0121542202, A0121545402, A0121541702) 03/1999...07/2003 | Viano (W639) - CDI 09/2003... | Viano (W639) - CDI 2, CDI 4 matic 2003... | Viano (W639) - CDI 2.2 07/2010... | Viano (W639) - CDI 2.2 4-matic 07/2005... | Vito (638) - 112 CDI 2.2 (Alt. A0121542202, A0121545402, A0121541702) 03/1999...07/2003 | Vito Autocarro (638) - 108 CDI 2.2 1999...2003 | Vito Autocarro (638) - 110, 110 CDI 2.2 (638.194) 03/1999...07/2003 | Vito Autocarro (638) - 112 CDI 1999...2003 | Vito Autocarro (W639) - 109 CDI, 110 CDI, 111 CDI, 113 CDI e 4x4 2003...2010 | Vito Caixa (638) - 108 CDI 2.2 1999...2003 | Vito, Mixto Caixa (W639) - 115 CDI, 115 CDI 4x4 116 CDI 09/2003... | Vito, Mixto Caixa (W639) - 120 CDI 2007...**ALTERNADOR / Alternator****Bosch:** AL0798X | AL0801X | 0101549602 | 0111547802 | 0121542002 | 0121542202 | 0121545402 | 0124325039 | 0124325046 | 0124325093 | 0124325105 | 0124325170 | 0124425077 | 0124515061 | 0124515064 | 0124515084 | 0124515091 | 0124515114 | 0124515115 | 0124515118 | 0124615015 | 0124615018 | 0124615019 | 0124615025 | 0124615032 | 0124615033 | 0124615035 | 0124615042 | 0124625006 | 0124625020 | 0124625022 | 0131541002 | 0131541102 | 0131543202 | 0131543402 | 0141542702 | 0141542703 | 0986042530 | 0986043650 | 0986043660 | 0986043900 | 0986043910 | 0986046320 | 0986047460 | F000BL0732 - **Chrysler:** 513886AA | 04852629AA | 05080464AB | 05080464AC | 05080464AD | 5103886AA | 5134204AA | 5134205AA - **Dixie:** A6475 | A6476 - **Lester:** 12382 | 12383 | 12384 | 12385 | 20006 | 20100 | 20325 | 20754 | 22156 | 22879 | 23021 | 23247 | 23248 | 23547 - **Mercedes Benz:** A12384 | 111546602 | 111547402 | 121540702 | 121540802 | 121541502 | 121541702 | 121542002 | 121542202 | 121542402 | 121544602 | 121544802 | 121545402 | 121546302 | 131541002 | 131541102 | 131541302 | 131541502 | 131541702 | 131542102 | 131543202 | 131545802 | 141542702 | 6461540002 | 6461541002 | 6461541502 | A013154602 | A0101549502 | A0121542202 | A0121542402 | A0121544602 | A0131541302 | A0131541502 | A0131541702 | A0131542102 | A0131543202 | A0131545802 | A0141542702 | A6111550315 | A6111550515 | A6111550715 | A6461540002 | A6461541002 | A6461541502 - **Regitar:** 2205137**EQUIVALENTE / Equivalent****Bosch:** F00M991099 | F00M991125 | F00M991190 | F00M991303 - **Cargo:** 232624 - **Dayco:** ALP2354 - **Febi:** 21683 - **Gates:** OAP7057 - **IKA:** 335571 - **INA:** F233197 | F559320 | F2331972 | F2331973 | F2331974 | F2331975 | F23319701 | F23319702 | F23319703 | F23319704 | F23319705 | F55932001 - **Luk:** 535005010**Mercedes Benz:** 6111550315 | 6111550515 | 6111550715 - **SKF:** VKM03828 - **Valeo:** 2549800 - **WAI:** 2491265 - **Woodauto:** EC4238

**5396****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 2.0 HDi, 2.0 HDI 90 12/1999... | Dispatch 2.0 HDi 03/2000...10/2006 | Evasion 2.0 HDI 08/1999...07/2002 | Jumpy 2.0 HDi 03/2000... | Synergie 2.0 HDi 08/1999...07/2002 | Xantia 2.0 HDI 02/1999...04/2003 | XSara 2.0 HDI 02/1999...03/2005 | XSara 2.0 HDI 109 02/1999...08/2005 | XSara Picasso 2.0 HDI 12/1999... | **Fiat:** Grand Punto 1.3 D Multijet (199) 10/2005... | Scudo 2.0 JTD 12/1999... | Ulysse 2.0 JTD 10/1999...08/2002 | **Lancia:** Zeta 2.0 JTD 09/1999...09/2002 | **Opel:** Agila (H00) 1.3 CDTi 08/2003... | Astra H/Van/State 1.3 CDTi 08/2005... | Combo 1.3 CDTi | Corsa 1.3 CDTi | Meriva 1.3 CDTi (51kW) 09/2003...05/2010 | Meriva 1.3 CDTi (55kW) 04/2005...05/2011 | Tigra TwinTop 1.3 CDTi (Alt. Valeo 100A) 06/2004... | Vita 1.3 CDTi 06/2003... | **Peugeot:** 206 2.0 HDi 12/1999... | 307 2.0 HDi | 406 2.0 HDi 90, 2.0 HDi 110 FAP, 2.2 HDi 1999...2004 | 607 2.0 HDi (Alt. 5705 AF, 5705 GC) 05/2000... | 608 2.2 HDi 02/2000... | 806 2.0 HDi, 2.0 HDi 16V (Alt. 5705 AF, 5705 GC) 08/1999...08/2002 | Especial/Special 2.0 HDi 90 06/1999...04/2002 | Expert 2.0 HDi (Alt. 5705 AF, 5705 GC) 07/2000... | Partner 2.0 HDi ano 02/2000... | **Suzuki:** Ignis II 1.3 DDIs 09/2003... | Swift III 1.3 DDIs 05/2002... | Wagon R 1.3 DDIs 09/2003...

**ALTERNADOR / Alternator**

**Denso:** 1022118610 - **Fiat:** 9621791480 - **Lester:** 21783 | 21787 | 22795 | 23325 | 23792 | 23922 | 23924 - **Lucas Indiel:** LRA2804 | LRA2817 | LRA02804 | LRA02817  
**Mitsubishi:** A4TF0091 | A004TF0091 - **Opel:** 13117278YP | 13117279YQ | ZR13197577 - **Peugeot:** 57054F | 57055H | 57055J | 5705ER | 5705GC - **Renault:** 704114923 - **Suzuki:** 3140000 | 31400T85E00 - **Valeo:** 437210 | 439257 | 439524 | 57054F | 5705GC | 593521 | 2542841 | 2542850 | 2542851 | 2542861 | 2542884 | A14V135 | TG8S013 | TG9S015 | TG9S016 | TG9S021 | TG9S022 | 2542850A | 2542851A - **Vauxhall:** 13117278YP | 13117279YQ | ZR13197577

**EQUIVALENTE / Equivalent**

**Cargo:** 230523 | 332320 | 333083 - **Citroën:** 593527 - **Dayco:** ALP2349 | ALP2390 - **Febi:** 27836 - **Gates:** OAP7034 | OAP7039 - **IKA:** 353011 - **INA:** F229603 | F2296031 | F2296034 | F2296035 | F22960310 | F22960311 | F22960314 - **Luk:** 535003910 - **SKF:** VKM03301 - **Valeo:** 593891 - **WAI:** 2494251

**5403****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Ford:** Transit 2.4 DI, 2.4 TD, 2.4 TDE 01/2000...05/2006 | Transit 2.4 TdCi, 2.4 TDE 07/2001...05/2006 | Transit 330K, L, M 2.0, 2.4 | Transit 350EL, L, M 2.0, 2.4 | Transit 430EL, M 2.0, 2.4

**ALTERNADOR / Alternator**

**Bosch:** 0124315019 | 0124315027 | 0124325100 | 0124415032 | 0986042650 | 0986045370 | 0986047260 - **Ford:** 4461712 | 2C1T10300AA | 2C1T10300BA | YC1T10300BC | YC1T10300BD | YC1T10300BE | YC1T10300BH | YC1T10300BJ - **Lester:** 21890 | 21891 | 23296

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991078 | F00M991116 | F00M991192 - **Cargo:** 233657 | 332303 - **Ford:** YC1U10A352BA - **Gates:** OAP7069 - **IKA:** 335621 - **Litens:** 920574 - **Luk:** 535007030 - **SKF:** VKM03405 - **WAI:** 2491266

**5406****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Ford:** Crown Victoria 4.6L V8 2003...2005 - **Mercury:** Grand Marquis 4.6L V8 2003...2005 - **Mitsubishi:** Lancer L4 2.0L (wo/Turbo) 2008...2010 | Lancer L4 2.0L (wo/Turbo) 2010 | Lancer L4 2.4L 2009...2010 | Outlander L4 2.4L 2008 | Outlander L4 2.4L 2008...2010

**ALTERNADOR / Alternator**

**AES New:** 40181N - **Arrowhead:** AMT0126 - **Bosch Newman:** AL7601N - **Dixie:** A80056 - **Dubois:** 940181 - **Ford:** 4W7310300AC | 4W7Z10346AC | 6W7T10300AA | 6W7T10300AB | FW7310346AC - **Lester:** 11026 | 11377 | 11543 | 2035075 | 2035331 | 2035075A - **Mitsubishi:** A4TJ0181 | A4TJ0182 | A4TJ0181ZC | A4TJ0182ZC  
**Motorcraft:** GL598 - **Romaine:** 11026N

**EQUIVALENTE / Equivalent**

**Cargo:** 235649 - **Litens:** 920004 - **Mitsubishi:** 51940511 | 61931122 - **WAI:** 2483275

**5408****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Ford:** Transit 2.4 DI (F,B, FC, FA\_) 01/2000...05/2006 | Transit 2.4 DI [RWD] (FB, FC, FA\_) 01/2000...05/2006 | Transit 2.4 DI [RWD] (FB, FC\_) 01/2000...05/2006 | Transit 2.4 TD, 2.4 TDi 08/2000...08/2003 | Transit 2.4 TDi 03/2004...05/2006 | Transit 2.4 TDi 10/2001...03/2006 | Transit 2.4 TDE 03/2004...05/2006 | Transit 2.4 TDE (FC, FB, FA) 07/2001...05/2006

**ALTERNADOR / Alternator**

**Ford:** YC1T10300BC | YC1T10300BD | YC1T10300BG | YC1T10300BH | YC1T10300BJ | YC1U10300DA | YC1U10300DB | YC1U10300DC | YC1U10300EA - **Lester:** 8529 | 8530 | 8534 - **Visteon:** 600120404 | DCA1639IR1

**EQUIVALENTE / Equivalent**

**Cargo:** 235157 - **Ford:** YC1U10352BA | 2C1U10A352BA - **IKA:** 335881 - **INA:** F558404 - **Litens:** 920583 - **Luk:** 535012010 | 535031410 - **Visteon:** VP2C1U10A352AA - **WAI:** 2491267

**5409****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Volkswagen:** Gol 1.9D 04/1998...05/2002 | Golf 1.9D | Golf Country 1.9D | Parati III 1.9D ago/02 | Saveiro III 1.9D**ALTERNADOR / Alternator****Bosch:** 0124315020 | 0124325041 | 0124325076 | F010LD0205 | F010LD0206 - **Volkswagen:** 026903015M | 377903015 | 048903015A | 048903017A | 377903015A | 377903015H | 377903015J | 377903015N**EQUIVALENTE / Equivalent****Bosch:** F00M991090 | F010LD1120 - **Cargo:** 235331 - **Dayco:** ALP2375 - **IKA:** 335551 - **INA:** F230209 | F23020903 | F23020904 - **Lester:** 79202137 - **Luk:** 535003210 - **Volkswagen:** 377903015 | 028903119AJ - **WAI:** 2491268**5410****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**BMW:** 1 série 130i 09/2005... | 3 Série 2.0 (alt. 1231 7 536 960/1231 7 550 001) jun/05 | 3 série 316i, 316ti 06/2001...02/2005 | 3 série 318Ci, 318i, 318ti 09/2001... | 3 série 325i, 325xi, 330i, 330xi, 318d, 320d 2001...2005 | 5 série 523i, 525i, 525xi, 530i, 530xi 07/2005... | 6 série 630i set/04 | 7 Série 730 i, Li 2003...2005 | Z4 2.0i 2004...2005 - **Mercedes Benz:** C Class (CL/S/W203) C 200 CDI (85kW) (Alt. Delphi 000 150 17 50, 000 150 25 50) set/00 | C Class (CL/S/W203) C 200 CDI/C 220 CDI (Alt. Delphi 000 154 17 50, 000 154 25 50) mar/01 | C Class (CL/S/W203) C 220 CDI (105kW) (Alt. Delphi 000 150 17 50, 000 150 25 50) mai/00 | C Class (CL/S/W203) C 270 CDI (125kW) 12/2000... | CLK (A/C209) 270 CDI out/02 | E Class (S/W210) - E 220 CDI, E 220 T CDI 06/1998...07/1999 | E Class (S/W210) - E 270 CDI 07/1999...03/2002 | E Class (S/W210) E 200 CDI, E 220 CDI, E 220 T CDI 06/1998...03/2003 | E Class (W210) - E 270 T CDI, E 320 CDI, E 320 T CDI 07/1999...03/2003 | G Class (W463) - G 270 CDI 10/2001... | M Class (W163) - ML 270 CDI 12/1999...06/2005 | S Class (W220) - S 320 CDI ano (145kW) 08/1999...09/2002 | S Class (W220) - S 320 CDI ano (150kW) 09/2002...08/2006 - **Mitsubishi:** Carisma (DA) 1.9 DI-D (DA5A) 09/2000...06/2006 | Space Star (DG0) - 1.9 DI-D (DG4A) 02/2001... - **Nissan:** Interstar Autocarro (X70) - dCi 100 11/2003... | Interstar Autocarro (X70) - dCi 120 07/2002... | Interstar Autocarro (X70) - dCi 80, 90 07/2002... | Interstar Autocarro, Caixa (X70) - dCi 100 04/2006... | Interstar Autocarro, Caixa (X70) - dCi 120, 150 09/2006... | Interstar Caixa (X70) - dCi 80, 90, 120 07/2002... | Interstar Caminhão de plataforma chassis - dCi... 02/2004... | Interstar Caminhão de plataforma chassis - dCi... 08/2003... | Interstar Caminhão de plataforma chassis - dCi... 08/2006... | Primastar Autocarro (X83) - dCi 150 09/2006... | Primastar Autocarro (X83) - dCi 80, 100 03/2001... | Primastar Autocarro, Caixa (X83) - dCi 140 07/2003... | Primastar Caixa (X83) - dCi 150 09/2006... | Primastar Caixa (X83) - dCi 80, 100 09/2002... - **Opel:** Movano Kombi (J9) (F9) 1.9 DTI 09/2000...10/2001 | Movano Kombi (J9)(F9) 1.9 DTI 10/2001... | Vivaro Caixa (F7) 1.9 DI, DTI 08/2001... | Vivaro Kombi (J7) (F7) 2.5 DTI 05/2003... | Vivaro Kombi (J7) 1.9 DI, DTI 08/2001... | Vivaro Kombi, Caixa, Caminhão Plataforma (J7) (F7) 2.5 CDTI 08/2006... - **Renault:** Fluence | Laguna I, Grandtour (K56), (B56), 556 1.9 dCi (B56W) 09/1999...03/2001 | Laguna II (BG0/1) 1.9 dCi (BG0E) (KG0E) 06/2001... | Laguna II (BG0/1) 1.9 dCi (BG0E, BG0R) 10/2001... | Laguna II (BG0/1), Grandtour (KG0/1) 1.9 dCi, (BG0G) 03/2001... | Laguna III (BT0/1), Grandtour (KT0/1) 2.0 16V (BT0F), (KT0F), Hi-Flex 10/2007... | Master II Autocarro, Caixa (FD) (JD/ND) 1.9 dCi 80 11/2001... | Megane CC (EZ0/1) 2.0 CVT 06/2010... | Megane II (BM0/1, CM0/1) 1.9 dCi (BMOG, ... 11/2002... | Megane III Grandtour (KZ0/1), Coupé (DZ0/1) 2.0 CVT (KZ0G, DZ0G) 05/2009... | Megane III Hatchback (BZ0) 2.0 CVT (BZ0G) 02/2009... | Trafic II Autocarro (JL) 1.9 dCi 04/2001...07/2003 | Trafic II Autocarro (JL) 1.9 dCi 80, 100 (JL0B) (JL0C) 03/2001... | Trafic II Autocarro (JL) 2.5 dCi 135 (JL0D) 05/2003... | Trafic II Autocarro (JL) 2.5 Dti 03/2003...07/2003 | Trafic II Caixa (FL) - 2.5 Dti 03/2003...07/2003 | Trafic II Caixa (FL) 1.9 dCi 04/2001...07/2003 | Trafic II Caixa (FL) 2.5 dCi 135 (FL0D) 05/2003... | Trafic II Caixa, Caminhão plataforma (FL) 1.9 dCi 80 (FL0B) 100 (FL0C) 03/2001... - **Vauxhall:** Movano Mk I (A) Kombi(JD) Van (FD) 1.9 DTI 10/2001... | Vivaro Caixa 1.9 DI, DTI 08/2001... | Vivaro Caixa 2.5 CDTI 08/2006... | Vivaro Caixa 2.5 DTI 04/2004... | Vivaro Caminhão plataforma chassis - 2.5 CDTI 04/2003...08/2006 | Vivaro Kombi 1.9 DI, DTI 08/2001... | Vivaro Kombi 2.5 CDTI 01/2006... | Vivaro Kombi 2.5 DTI 04/2004... - **Volvo:** S40 I (VS) - 1.9 DI 03/1999...07/2000 | S40 I (VS) - 1.9 DI 07/2000...12/2003 | S40 I (VS) - 1.9 TD 07/1995...08/1999 | V40 Kombi (VW) - 1.9 DI 03/1999...07/2000 | V40 Kombi (VW) - 1.9 DI 07/2000...06/2004 | V40 Kombi (VW) - 1.9 TD 07/1995...08/1999

**ALTERNADOR / Alternator**

**BMW:** 12317516721 | 12317516722 | 12317516723 | 12317516724 | 12317521488 | 12317521490 | 12317521491 | 12317532968 | 12317533272 - **Delphi:** 1500550 | 1501750 | 1502550 | 30044707 - **General Motors/Chevrolet:** 4403540 | 9111540 - **Lester:** 11260 | 20609 | 20688 | 20843 | 22952 | 22990 | 23161 | 23162 | 23233 | 23234 | 23250 | 24252 - **Lucas Indiel:** LRA1990 | LRA01990 - **Mercedes Benz:** 1500550 | 1501750 | 1502550 | 1540650 | 1541650 | 1542050 | 1542450 | 1542850 - **Opel:** 4403540 | 4430591 | 4430595 - **Renault:** 7700426849 | 7700426879 | 7700427474 | 7711134316 | 8200162474 | 8200538407 | 8200690199 - **Valeo:** F9Q762 | 3602231 | SG12B017 | SG12B071 | SG12B096 | TG12B017 | TG12B071 | TG12B096 | TG12B110 | TG12B123 | 2310000Q0A | 2310000Q1F | 2310000QA7 | 2310000QAM | 2310000QBE | 8200538402 - **Volvo:** 8251635 | 8251641 | 8251644 | 8251647 | 8251648 | 8251725 | 93160665 | 93161425 | 93189523

**EQUIVALENTE / Equivalent**

**Bosch:** 01221AA4Z0 | 01221AA7V0 | F00M991396 - **Cargo:** 230307 | 238426 | 332296 | 332301 | D762D799 - **Dayco:** ALP2338 - **Delphi:** 10451570 | 10453582 - **Febi:** 15155 - **Gates:** OAP7049 | OAP7055 | OAP7081 - **IKA:** 335311 | 335331 | 353071 - **INA:** F238005 | F556602 | F559585 | F560843 | F2293635 | F2293636 | F2293637 | F2293639 | F2296433 | F2296434 | F2296437 | F2303292 | F2303294 | F5566021 | F22936305 | F22936306 | F22936307 | F22936309 | F22964303 | F22964304 | F22964307 | F22964310 | F22964311 | F23032902 | F23032904 | F23800502 | F55660201 | F55958501 | **Luk:** 535001610 | 535003010 | 535012710 - **Mercedes Benz:** 6111500360 | 6111550015 | 6111550415 - **SKF:** VKM03603 | VKM03815 | VKM03871 - **Volkswagen:** 593514 | 593539 | 593904 | 595203 | 2547655 | 2549815 | 2603341 | 2604332 - **WAI:** 2491306 | 2494256 - **Woodauto:** EC4230 - **Yale:** 12317516105 | 12317536960 | 12317550001 | 12317570152

**5411****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** Classe A 160 (W168) CDI, 07/1998...08/2004 | Classe A 210 (W168) 03/2002...08/2004 | Classe A140 (W168) | Classe A190 (W168) 03/1999...08/2004 | Vaneo (414) 1.4, 1.6, 1.7 CDI, 1.9 fev/02**ALTERNADOR / Alternator****Lester:** 22850 | 22851 - **Mercedes Benz:** A0101543902 | A0111548202 | A0121544302 | A0121544402 - **Valeo:** 437346 | 439333 | SG9B039 | 2542347A | A13VI202 | A13VI257

**5411****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**EQUIVALENTE / Equivalent**

**Cargo:** 230297 | 230310 | 333087 - **Dayco:** ALP2376 | ALP2387 - **Febi:** 15153 | 15157 - **Gates:** OAP7079 | OAP7089 - **IKA:** 335241 | 335431 - **INA:** F226954 | F230759 | F2269543 | F2269544 | F2269545 | F2269547 | F23075901 | F23075902 | F23075905 - **Luk:** 535001110 | 535002010 - **Mercedes Benz:** 1661550215 | 6681550015 | 6681550715 | 6681551715 - **Ruville:** 55153 - **SKF:** VKM03825 | VKM03827 - **Valeo:** 587122 | 593492 | 593493 | 595203 | 2546999 | 2547737 | 2542347A - **WAI:** 2494257 | 2494262 - **Woodauto:** EC4088

**5419****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Kia:** Clarus Estate (GC) 1.8i 16V, 2.0i 16V 05/1998... | Cremos (K9A) 1.8i 16V, 2.0i 16V 07/1996... - **Mazda:** 626 Mk IV 1.8i, 2.0i, 2.0i 4WD 08/1991...06/1997 | 626 Mk IV Hatchback 1.8, 2.0i, 2.0i 4WD 08/1991...04/1997 | B Series/MPV II 2.5 V6 09/1999...03/2002 | MX 6 2.0i fev/92

**ALTERNADOR / Alternator**

**Lester:** 13883 - **Mazda:** BPE818300 | BPE918300 | FS0518300 | GY0118300F | GY0118300G | GY0118300H | GY0118300J - **Mitsubishi:** A3TB1081 | A2TB1081A | A3TB1081A | A3TB1081B

**EQUIVALENTE / Equivalent**

**Dayco:** ALP2347 - **IKA:** 335491 - **INA:** F232600 | F2299743 | F22997403 | F23260001 | F23260002 - **Luk:** 535003510 - **Mazda:** GY0211W11A | GY0218330A | GY0218330B | GY0218W37Z - **Mitsubishi:** A628X91371 - **Valeo:** A628X91371 - **WAI:** 242280

**5422****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Astra 1.8i, 2.0i, 2.0i 16V, Sedan 1.8i, 2.0i 16V 10/1998... | Vectra 2.2, 2.2 16V 12/1997...03/1998 | Zafira 2.0 MPFI, 2.0i SFI 16V abr/01

**ALTERNADOR / Alternator**

**Bosch:** 0124325114 | 0124515089 | 0120456024 - **General Motors/Chevrolet:** 93322958 - **Lester:** 23627

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991134 - **INA:** F2269625 | F2269628 - **Luk:** 535005610 - **WAI:** 2491270

**5423****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Dacia:** Duster 1.5 dCi 04/2010... | Logan 1.4, 1.4 Bifuel, 1.6, 1.6 LPG 09/2004... | Logan 1.5 dCi set/05 | Logan 1.6 CNG 04/2007... | Logan Express 1.4, 1.6, 1.5dCi 03/2009... | Sandero 1.4, 1.6, 06/2008... | Sandero 1.5dCi 11/2008... - **Nissan:** Almera II 1.5 dCi 01/2003... | Kubistar 1.5 dCi 08/2003... | Micra 1.5 dCi 01/2003... | Note 1.5 dCi 03/2006... | NV200 1.5 dCi 02/2010... | Tiida 1.5 dCi, 1.8 09/2009... - **Renault:** Clio II 1.4 16V 10/1999... | Clio II 1.5 D, 1.5 dCi (50kW) 04/2004... | Clio II 1.5 dCi (47kW) 06/2005... | Clio II 1.5 dCi (48kW) 06/2001... | Clio II 1.5 dCi (74kW) 01/2004... | Clio II 1.5 dCi, 1.5 dCi (59-62kW) jun/01 | Clio II 1.6 11/2003... | Clio II 1.6 16V 09/1998... | Kangoo 1.4 (55kW) 08/1997... | Kangoo 1.5 dCi (42-48kW) 12/2001... | Kangoo 1.5 dCi (50kW) 06/2005... | Kangoo 1.5 dCi (60-62kW) 07/2002... | Kangoo 1.6 (66kW) 09/1999...06/2001 | Kangoo 1.6 16V (70kW) 06/2001... | Kangoo 1.6 16V bivalent (60kW) 06/2005... | Laguna 1.6 16V 05/1998...01/2001 | Laguna 1.8 05/1998...01/2001 | Laguna II 1.6 16V, 1.9 dCi 03/2001... | Logan 1.4, 1.6 09/2004... | Logan 1.5 dCi 04/2007... | Megane I 1.4 09/1996... | Megane I 1.4e, 1.4 16V, 1.6 16V 03/1999... | Megane I 1.4i 01/1996... | Sandero 1.4, 1.6 02/2009... | Scenic I 1.4 16V, 1.6, 1.6 16V 09/1999...08/2003 | Thalia 1.4, 1.4 16V 08/2000... | Thalia 1.5 dCi (47kW) 06/2005... | Thalia 1.5 dCi (48kW) 04/2002... | Thalia 1.5 dCi (50kW) 02/2003... | Thalia 1.5 dCi, 1.5 dCi RT (59-60kW) 06/2001... | Twingo 1.5 dCi (CNOU) (Alt. Valeo 120A) 04/2008... | Twingo 1.5 dCi (CNOE) 03/2007... | Twingo 1.5 dCi 75, 1.5 dCi 90 10/2010...

**ALTERNADOR / Alternator**

**Bosch:** 4185 | 4277 | LRB460 | 0124325185 | 0124415007 | 0124415013 | 0124415014 | 0124415040 | 0124415041 | 0124425034 | 0124525028 | 0986041850 | 0986042720 | 0986042770 | 0986047360 - **Dacia:** 7701473636 | 7701476809 | 7701477712 - **Lester:** 20135 | 20355 | 20453 | 20608 | 20610 | 20638 | 20967 | 20972 | 23893 | 23975 - **Lucas Indiel:** LRB00460 - **Melco:** A002TC0982 - **Nissan:** 2310000Q0D | 2310000Q2C | 2310000QA9 | 2310000QBB | 2310000QBH | 23100BN700 | 23100BN701 | 23100BN704 | A002TC0981 - **Renault:** 7700101274 | 7700421477 | 7700429217 | 7700429310 | 7700434899 | 7700434900 | 7701473636 | 7701473637 | 7701474326 | 7701476809 | 7701477694 | 7701477710 | 7701477711 | 7701477712 | 8200019706 | 8200030635 | 8200122976 | 8200323137 | 8200537415 | 8200660040 | 8200667608 | 8200667609 | 8800030635 | 8800385098 | 8800386806 - **Valeo:** 437311 | 437558 | 437559 | 437622 | 439561 | 439584 | 440062 | SG9B033 | SG9B047 | 2542420A | 2542420B | 2542420C | 2542548A | SG10B016 | SG10B020 | SG12B089 | SG12B105 | TG11C034 | TG11C064

**EQUIVALENTE / Equivalent**

**Bosch:** 0124325031 | F00M147906 | F00M991054 | F00M992723 - **Cargo:** 231584 | 333025 - **Gates:** OAP7106 - **Hutchinson:** D7512RA - **INA:** F557755 | F5501814 | F5501815 | F55018103 | F55018104 | F55018105 - **Luk:** 535010510 | 535011710 - **Renault:** 110616 | 7700110616 | 7701477689 | 8200548796 - **Valeo:** 595210 | 2602881 | 2604211 - **WAI:** 2494254

**5424****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Toyota:** Avensis 1.9 (T22) 09/2002...02/2003 | Avensis 2.0 D-4D (T25) 04/2003... | Avensis Verso D4-D (AC) 08/2001... | Corolla (E11) 2.0 D-4D 09/2000...01/2002 | Corolla (E12) 2, 2.0 D-4D, 2.0 D4-D 01/2002... | Corolla (ZER,ZZE) 2.0 D-4D 04/2004... | Previa (ACR3) 2, 2.4, 2.4 16V, 2.4 Hybrid 08/2000... | Previa (ACR3) 2.0 D4-D 03/2001... | RAV 4 II (XA2) 2.0 D4-D 09/2001...



**5424****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator****Lester:** 23298 | 23316 - **Nissan:** 2706027040 | 2706027060 | 2706027070 | 2706027080 | 2706027090**EQUIVALENTE / Equivalent****Cargo:** 236332 - **Gates:** OAP7116 - **IKA:** 353081 - **INA:** F570753 - **Luk:** 535018410 - **NTN:** 51206 - **Ruville:** 59946 - **SKF:** VKM6100 - **Toyota:** 2741527011**5425****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 84

**APLICAÇÃO / Application / Aplicación****Volkswagen:** California, Caravelle T4 2.5 TDI | LT 28-35 2.8 TDI 05/2001...06/2006 | LT 28-46 2.8 TDI 04/2002...07/2006 | Multivan T4 2.5 TDI | Transporter IV 2.5 TDI 09/1995...04/2003 - **Volvo:** S60 2.5T, R 2.5T, 2.4 D, 2.4 D 5 | S70 2.5 TDI | S80 2.4 T, 2.4 T5, 2.4 D, 2.5 TDI | S80 II (120kW) 2.4 D (Alt. Bosch 140A) 03/2006... | V70 I 2.4, 2.5 TDI | V70 II 2.4 D, 2.4 D5, 2.5 T, 2.5 R Sport, R 2.5 T, 2.5 TDI | XC 70 Cross Country 2.5 T XC, 2.5 D5 XC**ALTERNADOR / Alternator****Bosch:** 0124041140 | 0124325088 | 0124515110 | 0124520014 | 0124525029 | 0124615003 | 0124615006 | 0986042840 | 0986047470 - **Lester:** 23206 | 23289 | 24060 | 27057 - **Volkswagen:** 74903026 | 074903025S | 074903025T - **Volvo:** 8111122 | 8602710 | 8602714 | 9442130 | 9459093**EQUIVALENTE / Equivalent****Bosch:** F00M147736 | F00M991095 | F00M991308 - **Dayco:** ALP2355 - **Gates:** OAP7066 - **INA:** F22782008 | F22782009 | F22782010 | F22782012 | F22782013 - **Luk:** 535005210 - **Ruville:** 55473 - **SKF:** VKM03114 - **Volkswagen:** 021903119H | 021903119K - **Volvo:** 8658644 - **WAI:** 2491279**5426****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Volvo:** C70 2.0T 03/2000...10/2005 | C70 2.4T 07/2002...10/2005 | C70 2.5 05/1999...09/2002 | C70 2 2.3T, 2.5T 03/1997...10/2005 | S40 II 2.4 01/2004... | S60 2.0T, 2.3T, 2.3T5, 2.4, 2.4T, 2.4D, 2.4D 5, 2.4 Bifuel, R 2.5T, T5 | S70 2, 2.0 10V, 2.0 20V Turbo, 2.3, 2.3 20V Turbo, 2.3 20V T-5, 2.3 T5 GLT | S70 2.4, 2.4 16V, 2.4 20V, 2.4 Blu-Fuel, 2.4 Bifuel, 2.4 T5 Sport, 2.4 20V Turbo | S70 2.5 10V, 2.5 20V Turbo AWD, 2.5 Bifuel | S80 2, 2.0T, 2.3 R, 2.4, 2.4 Bifuel, 2.4 LTP, 2.4T, 2.4 T5, 2.4D, 2.4D 5, 2.5 TDI, 2.5 T, 2.8 T6, 2.9 | S80 II (120kW) 2.4 D (Alt. Bosch 120/160A) 03/2006... | V70 2 2.0 Turbo, 2.4 Turbo, 2.5 Turbo | V70 2 2.3, 2.4, 2.4T, 2.5 Bifuel, 2.5 TDI | V70 2 2.4 Bifuel | V70 2 T5, AWD, VX, 2.4D | V70 II 2.0T, 2.3, 2.3 T5, 2.4, 2.4 Bifuel, 2.4T, 2.4D, 2.4 D5, 2.5T, 2.5 R Sport, R 2.5 T, 2.5 TDI | V70 III 2.4 D, 2.4 D5 | XC70 Cross Country 2.4 D5, 2.5 T XC, 2.5 D5 XC | XC70 II 2.4 D, 2.4 D5 | XC90 2.5 T, D5**ALTERNADOR / Alternator****Bosch:** 0124515014 | 0124515019 | 0124515029 | 0124515054 | 0124525060 | 0124625003 | 0124625024 | 0986042840 | 0986047380 | 0986047500 - **Lester:** 11091 | 11488 | 13801 | 13998 - **Lucas Indiel:** LRA1846 | LRA01846 - **Volvo:** 3803645 | 8111001 | 8111122 | 8251071 | 8601841 | 8602276 | 8602343 | 8602629 | 8602710 | 8602714 | 8603262 | 8603265 | 8622786 | 8637848 | 8651665 | 8676496 | 8676498 | 8676499 | 9459077 | 9459092 | 30658085 | 30658087 | 30667787 | 30667788 | 30667894 | 30667895**EQUIVALENTE / Equivalent****Bosch:** F00M147716 | F00M147760 | F00M147799 | F00M991016 | F00M991061 | F00M991156 | F00M991232 | F00M991265 - **Cargo:** 230296 - **Dayco:** ALP2360  
**Febi:** 14997 - **Gates:** OAP7036 - **IKA:** 335361 | 335761 - **INA:** F230401 | F553099 | F2304018 | F23040102 | F23040103 | F23040106 | F23040107 | F23040108 | F23040109 | F55292301 | F55309901 - **Luk:** 535001910 | 535007210 - **SKF:** VKM03651 - **Swag:** 55140001 - **Volvo:** 8676496 | 8676497 | 9459747 | 30667878 | 30737517 - **WAI:** 2491104**5428****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Chrysler:** Pacifica 3.8 04/2004...09/2008 | Town e Country 3.3, 3.8 10/2000...08/2007 | Voyager II (GS) 3.8i 01/1995...03/2001 | Voyager III (RG) 3.3, 3.8 02/2000... - **Dodge:** Caravan 3.3, 3.8 10/2000...08/2007 - **Jaguar:** S-Type (CCX) 2.7 L 06/2004... | XF 2.7 D 03/2008... | XJ (X350, X358) 6 2.7 D 10/2005... - **Jeep:** Cherokee (KK) 2.8 CRD 05/2008... - **Land Rover:** Discovery III 2.7 TD jul/04 | Range Rover Sport 2.7 TDVM 02/2005... - **Toyota:** Auris 1.6 VVTi 03/2007... | Auris 1.6, 1.8 02/2009... | Avensis (T27) 1.6, 1.8, 2.0 02/2009... | Axio (E14,E15) jan/07 | Blade (ZE15,RE15) 10/2006... | Corolla (E12) 1.6, 1.6 VVTi 10/2006... | Jetliner (T27) 1.6, 1.8, 2.0 02/2009... | Megaliner (T27) 1.6, 1.8, 2.0 02/2009... | RAV 4 III 2.0 12/2008... | Verso 1.6, 1.8 04/2009... | Yaris 1.8 VVTi (98kW) 01/2007...**ALTERNADOR / Alternator****Chrysler:** 4686430AF | 4686430AH | 4686430AB | 4686430AC | 4686430AD | 4686430AE | 4686431AB | 4686431AC | 4686431AD | 4686431AF | 4686431AG | 4686760AD | 4686760AE | 4686760AF | 4686760AH | 56041578AD | 56041578AE | 56044672AB - **Denso:** 1042102801 | 1042102802 | 1042102803 | 1042103720 | 4210000011 | 4210000012 | 4210000013 | 4210000021 | 4210000022 | 4210000023 | 4210000024 | 4210000025 | 4210000026 | 4210000027 | 4210000028 | 4210000141 | 4210000142 | 4210000145 | 4210000222 | 4210000223 | 4210000225 | 4210000300 | 4210000301 | 4210000302 | 4210000303 | 4210000304 - **Ford:** 4R8310300AB  
**Jeep:** 53013554AD | 53013554AE - **Lester:** 11063 | 11385 | 11386 | 11870 | 13871 | 24123 - **Toyota:** 2706037010 | 2706037011 | 2706037050 | 2706037051 | 2706037081**EQUIVALENTE / Equivalent****Cargo:** 332486 - **Chrysler:** 04861506AB | 04861506AC | 4861506AD | 4861506AE | 4861506AF | 04861506AG | 53013554AD | 53013554AE - **Denso:** 0210401130 | 0210401170 | 0210401241 | 0210401320 | 0210401441 | 0210401450 | 1210003841 | 1210003843 | 1210003846 | 1210411241 | 4210000141 | 4210000142 - **Flenor:** FGF0002 - **Gates:** OAP7015 - **IKA:** 335941 - **Litens:** 600752 | 920720 | 920752 | 920834 - **Luk:** 535017410 | 535019710 | 535020810 - **Nippondenso:** 0210401110 | 0210401450 - **Ruville:** 58621 | 59959 - **Toyota:** 274150T010 | 274150T011 | 274150T011A - **WAI:** 2482273 | 2482289 | 2482295 | 2482302 | 2493252

**5429****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
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## APLICAÇÃO / Application / Aplicación

**Ford:** Mondeo III 1.8 Sci (BWY) 06/2003...08/2007 | Mondeo III 1.8/2.0 16V (B4Y,B5Y) 11/2000...08/2007

## ALTERNADOR / Alternator

**Ford:** 1S7TCA | 1S7TCB | 1S7TCC | 1S7TCD | 1S7TCE | 1120213 | 1140694 | 1151213 | 1464782 | 1S7T10300CA | 1S7T10300CB | 1S7T10300CC | 1S7T10300CD | 1S7T10300CE | 1S7T15K600CA | 1S7T15K600CB | 1S7T15K600CC - **Lester:** 22150 - **Lucas Indiel:** LRA1150 | LRA01150 - **Visteon:** 2015001004

## EQUIVALENTE / Equivalent

**Cargo:** 234401 - **Ford:** 1S7U10A352DB - **IKA:** 335901 - **INA:** F556615 | F2328543 | F2328546 | F23285403 | F23285406 - **Luk:** 535007410 - **SKF:** VKM03408  
**Visteon:** 1S7U10A352DB | 1S7U10A352EA - **WAI:** 242282**5431****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Nissan:** Patrol GR II (Y61) 3.0 Dti 05/2000... | Terrano II (R20) 3.0 Di 4WD 05/2002... - **Renault:** Master III 3.0 dCi 140 10/2003... - **Vauxhall:** Movano 3.0 DTi 10/2003...

## ALTERNADOR / Alternator

**Lester:** 23215 - **Nissan:** 231002W201 | 231002W20A | 23100VC100 | 23100VC101 | 23100VC201

## EQUIVALENTE / Equivalent

**Cargo:** 235021 - **Dayco:** ALP2356 - **Gates:** OAP7094 - **Hitachi:** GD2155541 - **IKA:** 335281 - **INA:** F228751 | F2287512 | F2287513 | F22875102 | F22875103 | F22875106 | F22875107 - **Luk:** 535005310 - **Nissan:** 231502W200 | 231502W20A - **SKF:** VKM03609 | VKM03610 - **WAI:** 2481109**5432****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Mitsubishi:** Carisma 1.9 DI-D 09/2000...06/2006 | Interstar 1.9 dCi 07/2002... | Primastar dCi 80, dCi 100 03/2001... | Space Star 1.9 DI-D 02/2001... - **Opel:** Movano Kombi 1.9 DTi 10/2001... | Vivaro 1.9 DTi, Di 08/2001... - **Renault:** Laguna II 1.9 dCi (Alt. Valeo 120A) 03/2001... | Master II 1.9 dCi (Alt. Valeo 120A) 11/2001... | Megane II 1.9 dCi (Alt. Valeo 120A) 11/2002... | Traffic II 1.9 dCi, 1.9 dCi 100 (ELOC), 1.9 dCi 80 (ELOB), dCi 100, dCi 80 (Alt. Valeo 120A) 03/2001... - **Vauxhall:** Movano 1.9 DTi 10/2001... | Vivaro 1.9 DI, 1.9 DTi 08/2001... - **Volvo:** S40 I 1.9 DI 07/2000...12/2003

## ALTERNADOR / Alternator

**General Motors/Chevrolet:** 4403540 | 4404331 | 4417846 | 4430587 | 9111540 | 9112331 | 93160666 | 93161424 | 93191541 - **Lester:** 20841 | 23160 - **Mitsubishi:** S883627 - **Nissan:** 2310000Q0B | 2310000Q1A | 2310000QAL | 2310000QBD - **Opel:** 4417295 | 93161923 - **Renault:** 7700426849 | 7701473614 | 7701477001 | 7711134312 | 7711134316 | 8200022774 | 8200086130 | 8200162474 | 8200495301 | 8200495302 | 8200538815 | 8200571815 | 8200590255 - **Valeo:** 437208 | 437351 | 439292 | 439341 | SG12B050 | SG12B095 | SG12B108 | SG12B116 - **Volvo:** 2542523 | 8251641 | 8602356 | 8602806 | 30620870 | 36002231

## EQUIVALENTE / Equivalent

**Dayco:** ALP2352 - **Gates:** OAP7082 - **General Motors/Chevrolet:** 93190867 - **Hutchinson:** DB0261 - **INA:** F234637 | F2346371 | F2346374 | F23463704 - **Luk:** 535004810 - **Nissan:** 2315100Q0A - **Opel:** 4417573 - **Renault:** 7701477507 | 8200584039 - **Ruville:** 55583 - **SKF:** VKM03602 - **Valeo:** 593516 | 2548621 | 2604092 | 31251073 - **WAI:** 2494253**5435****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Fiat:** Doblo 1.8 OHCI com AC 2003... | Palio 1.8 OHCI com AC 2002... | Stilo 1.8 OHCI com AC 2003... - **General Motors/Chevrolet:** Meriva | Novo Corsa 1.0 OHCI com AC, sem DH 06/2002... | Novo Corsa Sedan 1.0 OHCI com AC, sem DH 06/2002...

## ALTERNADOR / Alternator

**Lester:** 23744 - **Valeo:** 439519 | B2220147 | SG10B034

## EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 93387684 - **INA:** F236716 - **WAI:** 2494258

**5437****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 2.0 HDi 1999...2005 | C5 2.0 HDi 03/2001...08/2004 | C5 2.2 HDi 03/2001... | C8 2.0 HDi, 2.2 HDi 07/2002... | Dispatch 2.0 HDi 03/2000...10/2006 | Evasion 2.0 HDi 08/1999...07/2002 | Jumper 2.0 HDi (230) 11/2001...04/2002 | Jumper 2.0 HDi, 2.2 HDi (244) 04/2002... | Jumpy 2.0 HDi 03/2000... | Relay 2.0 HDi (230) 11/2001...04/2002 | Relay 2.0 HDi, 2.2 HDi (244) 04/2002... | Synergie 2.0 HDi 08/1999...07/2002 | Xantia 2.0 HDi 90 02/1999...03/2005 | XSara 2.0 HDi 109 02/1999...08/2005 - **Fiat:** Ducato 2.0 JTD, 2.3 JTD 10/2001...04/2002 | Scudo 2.0 JTD 12/1999... | Ulysse 2.0 D Multijet (179) 05/2006... | Ulysse 2.0 JTD (179) 05/2003... | Ulysse 2.0 JTD (220) 10/1999...08/2002 | Ulysse 2.2 D Multijet, 2.2 JTD (179) 08/2002... - **Ford:** Fiesta V 1.4 TdCi (JH,JD) 11/2001... | Fiesta Van 1.4 TdCi 10/2003... | Fusion 1.4 TdCi (JU) 08/2002... - **Lancia:** Phedra 2.0 JTD 09/2002... | Phedra 2.0 JTD, 2.0 D Multijet jul/06 | Phedra 2.2 D Multijet 03/2008... | Phedra 2.2 JTD 09/2002... | Zeta 2.0 JTD 09/1999...09/2002 - **Mazda:** 2 1.4 04/2003... - **Peugeot:** 206 2.0 HDi 90 12/1999... | 307 2.0 HDi 110, 2.0 HDi 110 FAP, 2.0 HDi 90 08/2000... | 406 2.0 HDi 90 02/1999...05/2004 | 406 2.2 HDi 03/2000...12/2004 | 607 2.0 HDi (Alt. 5705 AA, 5705 ER) 05/2000... | 607 2.2 HDi 02/2000... | 806 2.0 HDi, 2.0 HDi 16V (Alt. 5705 AA, 5705 ER) 08/1999...08/2002 | 807 2.0 HDi FAP, 2.2 HDi 06/2002... | Boxer 2.0 HDi, 2.2 HDi 04/2002... | Expert 2.0 HDi (Alt. 5705 AA, 5705 ER) 07/2000... - **Suzuki:** Grand Scudo 2.0 1998... | Grand Vitara (JB) 2.0 10/2005... | Grand Vitara 2.0 03/1998... | Grand Vitara 2.0 HDi 110 07/2001... | Grand Vitara 2.0 HDi 110, 2.0 TD, 2.0 TD Intercooler 03/1998...

**ALTERNADOR / Alternator**

**Fiat:** 9610787780 | 9636060780 | 9640878780 | 9645907580 - **Ford:** 1140136 | 2S6T10300BA - **Lester:** 21787 | 21788 | 23299 | 23300 | 23301 | 23332 - **Mazda:** Y40218300 - **Peugeot:** 57054F | 5705A1 | 5705AA | 5705ER | 5705GC - **Suzuki:** 3140068D01 | 3140068D02 - **Valeo:** 9520 | 2542500 | A14V135 | A14V141 | SG15S019

**EQUIVALENTE / Equivalent**

**Cargo:** 234149 | 332321 - **Dayco:** ALP2361 - **Febi:** 24413 - **Fiat:** 9949627 | 77363303 - **Gates:** OAP7030 - **IKA:** 33586 1 - **INA:** F2296032 | F2296033 | F2296036 | F2296037 | F2296038 | F22960302 | F22960303 | F22960306 | F22960307 | F22960308 | F22960309 | F22960312 | F22960313 | F22960315 | F22960316 - **Lancia:** 9949627 | 77363303 - **Luk:** 535007310 - **SKF:** VKM03300 - **Suzuki:** 3177168D00 | 3177168D01 - **Valeo:** 593907 | 2548543 | 2602877 - **WAI:** 2494259

**5438****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Ford:** Expedition 4.6 2003...2008 | Expedition 5.4 2003...2004 | Mustang 4.6 2005...2006 | Probe II 2.5 V6 24V 10/2003...03/1998 - **Lincoln:** Navigator 5.4 2003...2008 - **Mazda:** 626 IV Hatchback 2.5 | MPV II (LW) 2.5 V6 09/1999...03/2002

**ALTERNADOR / Alternator**

**Bosch:** 0986042921 - **Ford:** 3395459 | 3395461 - **Lester:** 8303 | 8444 | 8516 - **Mazda:** GY0118300E | K80118300A | K80118300B | K80118300C | K80118300D | K80118300AT

**EQUIVALENTE / Equivalent**

**Cargo:** 230308 - **Dayco:** ALP2339 - **Febi:** 15156 - **Ford:** 3395459 | F32Z10344B | XW4U10A352AA | YM2E10N356AA - **Gates:** OAP7085 - **IKA:** 335341 - **INA:** F229974 | F2299744 | F2299745 | F22997404 | F22997405 - **Luk:** 535001710 - **Mazda:** GY0218330 | GY021833A | K80118W11 | K80118W12 - **Melco:** A628X91171  
**SKF:** VKM06401 - **Visteon:** VP6R3U10A352AA - **WAI:** 242279

**5440****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** Mito 1.3 JTDM 10/2009... - **Fiat:** 500 1.3 D Multijet (119, 223) (Alt. Denso 120A) 12/2009... | 500C 1.3 D Multijet (119, 223) (Alt. Denso 120A) 09/2009... | Doblo 1.3 JTD (119, 223) (Alt. Denso 120A) 05/2005... | Doblo 1.3 JTD 16V (119, 223) (Alt. Denso 90/120A) 05/2004... | Doblo (152) 1.3 D Multijet (Alt. Denso 90/105/120A) 02/2010... | Fiorino 1.3 D Multijet (Alt. Denso 120A) 02/2008... | Fiorino Qubo 1.3 D Multijet (Alt. Denso 120A) out/05 | Grand Punto (199) 1.3 D Multijet (Alt. Denso 90/120A) 10/2005... | Idea 1.3 JTD (Alt. Denso 90/105/120A) 01/2004... | Linea 1.3 D Multijet (Alt. Denso 90/105A) 06/2007... | Punto Evo 1.3 D Multijet (Alt. Denso 90/105A) 10/2009... - **Lancia:** Musa 1.3 Multijet (Alt. Denso 90/105A) 09/2006... | Ypsilon 1.3 Multijet (Alt. Denso 75A) 09/2006... - **Opel:** Agila 1.3 CDTI (Alt. Denso 70/100A) 08/2003... | Astra H 1.3 CDTI (Alt. Denso 70/105A) 08/2005... | Astra H GTC 1.3 CDTI (Alt. Denso 70/105A) 04/2005... | Combo 1.3 CDTI 16V (Alt. Denso 70/100A) 10/2004... | Corsa C 1.3 CDTI (Alt. Denso 70A) 06/2003... | Corsa D 1.3 CDTI (Alt. Denso 70/100A) 07/2006... | Meriva 1.3 CDTI (Alt. Denso 70/100A) 09/2003...05/2010 | Tigra 1.3 CDTI (Alt. Denso 100A) 06/2004...  
**Vauxhall:** Agila 1.3 CDTI (Alt. Denso 70/100A) 01/2008... | Astra MK V 1.3 CDTI (Alt. Denso 70/105A) 08/2005... | Combo 1.3 CDTI 16V (Alt. Denso 70A) 12/2004... | Corsa MK II 1.3 CDTI 16V (Alt. Denso 70A) 08/2003... | Corsa MK III 1.3 CDTI (Alt. Denso 70/100A) 07/2006... | Corsa Van MK II 1.3 CDTI 16V (Alt. Denso 70A) 04/2004... | Meriva 1.3 CDTI (Alt. Denso 120A) 09/2003... | Tigra 1.3 CDTI (Alt. Denso 100A) 06/2004...

**ALTERNADOR / Alternator**

**Alfa Romeo:** 51787208 | 51787209 | 77364721 - **Fiat:** 51787208 | 51787209 | 51787210 | 51805799 | 51805800 | 51805801 | 51829383 | 51854909 | 51854910 | 51854911 | 51854912 | 51854914 | 51854915 | 51854916 | 51855875 | 77364721 - **General Motors/Chevrolet:** 13222934 | 13222935 | 13222936 | 13243463 | 13256928 | 93183381 | 93185260 | 93185261 | 93190915 - **Lester:** 23923 | 24063 | 24064 | 24065 | 24068 - **Opel:** 6204201 | 6204212 | 6204213 | 6204257 | 6204258 | 6204259 | 6204261 | 6204273 | 6204280

**EQUIVALENTE / Equivalent**

**Cargo:** 330221 | 332316 - **Denso:** 1210410580 - **Fiat:** 77364723 - **General Motors/Chevrolet:** 93185282 | 93192215 - **IKA:** 353901 - **INA:** F557928 | F55792801  
**Litens:** 920789 - **Luk:** 535015110 - **Opel:** 6204229 | 6204286 - **SKF:** VKM03509 - **WAI:** 2482287

**5445****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
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**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** G Class (W463) G 400 CDI (463.332, 463.333) (184kW) 12/2000... | S Class (W220) S 400 CDI (220.028, 220.128) (184kW) 06/2000...08/2005 | S Class (W220) S 400 CDI (220.028, 220.128) (191kW) 06/2003...08/2005

**5445****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
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**ALTERNADOR / Alternator****Bosch:** 01220AA1P0 | 0124625017 - **Lester:** 23111 - **Mercedes Benz:** 1502250**EQUIVALENTE / Equivalent****Bosch:** 01221AA6K0 | 01221AA8F0 | F00M991395 - **Cargo:** 230311 - **Dayco:** ALP2386 - **Febi:** 15158 - **Gates:** OAP7098 - **IKA:** 335471 - **INA:** F2308252 | F2308253 | F2308255 | F23082504 | F23082505 - **Luk:** 535002110 - **Mercedes Benz:** 6281550015 - **SKF:** VKM03811 - **WAI:** 2491272**5446****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Audi:** A8 2.8, 2.8 Quattro (4D2,4D8) (142kW) 04/1996...09/2002**ALTERNADOR / Alternator****Bosch:** 0123520004 - **Volkswagen:** 78903016 | 078903119G**EQUIVALENTE / Equivalent****Bosch:** 1126601588 - **Cargo:** 230303 - **Febi:** 15256 - **IKA:** 335231 - **INA:** F2263214 | F2263215 | F2263216 | F22632112 - **Luk:** 535000610 - **Volkswagen:** 078903119G - **WAI:** 2491273**5448****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Audi:** A3 1.8 TFSI, 2.0 TFSI, Sportback | A4 1.6, 1.8T, 2, 2.0 FSI, 2.0 TSFI Avant | A6 2.0 TSFI, Avant 2.0 | Avant, Cabrio, (T) FSI, Quattro 2.0 | Avant, Cabrio, Quattro 1.8T | TT 1.8 TFSI, 2.0 TFSI, 2.0 TFSI quattro - **Bosch:** F000BL0809 - **Seat:** Alhambra 2.0 TSi 11/2010... | Altea 1.8 TFSi 2007... | Altea 2.0 TFSi 4x4 2009... | Exeo 1.6/1.8 T 2008... | Exeo 2.0 TFSi 2009... | Leon 1.8 TSi 2007... | Leon 2.0 TFSi 2009... | Toledo III 1.8 TFSi 2007... - **Skoda:** Octavia 1.8 TSi 2007... | Octavia 2.0 RS 2005... | Superb 1.8 TSi/1.8 TSi 4x4/2.0 TSi 2008... | Yeti 1.8 TSi 2009... - **Volkswagen:** Eos 1.4 TSi 2007... | Eos 2.0 FSi 2006... | Eos 2.0 TSi 2009... | Golf V 2.0 GTi 2004... | Golf VI 1.8/2.0 TSi 2009... | Passat 1.8 TSi 2007... | Passat 1.8 TSi 2009... | Passat 1.8 TSi 2010... | Passat 2.0 FSi 2007... | Passat 2.0 TFSi 2005... | Passat 2.0 TSi 2010... | Passat CC 1.8 TSi 2008... | Passat CC 2.0 TSi 2008... | Passat Variant 1.8 TSi 2010... | Passat Variant 2.0 TSi 2010... | Scirocco 2.0 TSi 2008... | Sharan 2.0 TSi 2010... | Tiguan 2.0 TFSi 2007...**ALTERNADOR / Alternator****Audi:** 06D903016 | 06H903017E | 06J903023C | 06B903016AE | 06B903016AF - **Bosch:** 0124315010 | 0124515053 | 0124515059 | 0124525009 | 0124525088 | 0124615009 | 0125811077 | 0125811078 | 0986044340 | 0986046160 | 0986046180 | 0986044 910 | F000BL08C0 - **Lester:** 11064 | 11070 | 23115 | 23116 | 23255 | 23256 - **Seat:** 06D903016A | 06J903023C | 06B903016AE - **Volkswagen:** 06B903016 | 06B903016P | 06B903016Q | 06J903023C | 06B903016AB | 06B903016AC**EQUIVALENTE / Equivalent****Audi:** 06B903119B | 06B903119D - **Bosch:** F00M147731 | F00M147732 | F00M991108 | F00M991266 - **Dayco:** ALP2350 - **Gates:** OAP7044 - **INA:** F231142 | F23114201 | F23114205 | F23114208 - **Luk:** 535004110 - **Ruvile:** 55721 - **Seat:** 06B903119B | 06B903119D - **SKF:** VKM03116 - **Skoda:** 06B903119B | 06B903119D - **Valeo:** 593778 | 2549858 | 2604099 | 2604510 - **Volkswagen:** 06B903119B | 06B903119D - **WAI:** 2491274 | 2494282**5449****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Fiat:** 500 1.3 D Multijet (Alt. Valeo 90/105A) out/07 | 500C 1.3 D Multijet (Alt. Valeo 90/105A) 09/2009... | Doblo (119, 223) 1.3 JTD, 1.3 JTD 16V, 1.3 D Multijet, 1.3 JTD 16V Multijet (Alt. Valeo 90/105A) 05/2004... | Fiorino 1.3 D Multijet (Alt. Valeo 90A) 02/2008... | Grand Punto 1.3 D Multijet (Alt. Valeo 90/105A) 10/2005... | Idea 1.3 JTD (Alt. Valeo 90/105A) jan/04 | Linea 1.3 D Multijet (Alt. Valeo 90/105A) 06/2007... | Palio 1.3, 1.3 JTD Multijet (Alt. Valeo 90A) 06/2003... | Panda (169) 1.3 I JTD, 1.3 D Multijet, 1.3 D Multijet 4x4 (Alt. Valeo 90A) 09/2003... | Punto (188) 1.3 JTD (Alt. Valeo 75/105A) 06/2003... | Punto Evo 1.3 JTD (Alt. Valeo 90/105/120A) 10/2009... | Siena 1.3 JTD (Alt. Valeo 90A) 09/2003... | Strada (178E) 1.3 D Multijet (Alt. Valeo 90/105A) 05/2006... - **Lancia:** Musa 1.3 Multijet, 1.3 D Multijet (Alt. Valeo 90/105A) 10/2004... | Ypsilon 1.3 JTD, 1.3 Multijet (Alt. Valeo 90A) 10/2003... - **Opel:** Agila 1.3 CDTI (Alt. Valeo 100A) 08/2003... | Astra H GTC 1.3 CDTI (Alt. Valeo 70/100A) 04/2005... | Combo 1.3 CDTI 16V (Alt. Valeo 70/100A) 10/2004... | Corsa C 1.3 CDTI, 1.3 CDTI 16V (Alt. Valeo 70/100A) 06/2003... | Meriva 1.3 CDTI (Alt. Valeo 70/100A) 09/2003...05/2010 | Tigra TwinTop 1.3 CDTI (Alt. Valeo 100A) 06/2004... - **Suzuki:** Ignis II 1.3 DDiS (Alt. Valeo 100A) 09/2003... | Splash 1.3 CDTI (Alt. Valeo 100A) 01/2008... | Swift III (SG) 1.3 DDiS (Alt. Valeo 100A) 08/2005... | Wagon R (MM) 1.3 DDiS (Alt. Valeo 100A) 09/2003...**ALTERNADOR / Alternator****Fiat:** 46823547 | 46835095 | 51718499 | 51784845 | 51784846 | 55185075 - **General Motors/Chevrolet:** 13117278 | 13117279 - **Lancia:** 51784844 - **Lester:** 20495 | 22795 | 22796 | 23325 | 23792 | 23922 | 23924 - **Opel:** 6204180 | 6204181 | 13283343 | 13283344 - **Suzuki:** 3140000 - **Valeo:** 437474 | 437497 | 437503 | 437504 | 439505 | 439524 | 2542670 | TG8S012 | TG9S010 | TG9S015 | 2542670A | 2542670B**EQUIVALENTE / Equivalent****Cargo:** 236995 | 332311 - **Dayco:** ALP2358 - **Febi:** 30029 - **Fiat:** 55186280 | 77362721 - **Gates:** OAP7039 - **General Motors/Chevrolet:** 93178273 | 93192631 - **IKA:** 335801 - **INA:** F2310102 | F2310111 | F2310112 | F2310113 | F2310101 | F2310103 | F2310104 - **Litens:** 600693 | 920693 - **Luk:** 535006310 | 535033410 - **Opel:** 1204392 | 1204517 - **Suzuki:** 3177185E00 - **Valeo:** 593860 | 2600161 | 2605442 - **Vauxhall Opel:** 1204392

**5450****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.6, 1.6 HDi (55-80kW) 04/2008... | C2 1.6 HDi 09/2005... | C3 1.4, 1.6 16V HDi 2002... | C3 1.6 16V HDi, 1.6 HDi (66kW) 10/2005... | C3 1.6 HDi (80kW) 02/2009... | C3 Picasso 1.6 HDi, 90, 110 2009... | C3 Pluriel 1.4 HDi 2004... | C4 1.6 HDi 90, 1.6 HDi 110 FAP, 1.6 HDi 110FAP 11/2004... | C5 1.6 HDi 02/2008... | C5 2.0 HDi 03/2001...08/2004 | C5 2.0 HDi (66-80kW) 06/2001...08/2004 | C5 2.2 HDi 03/2001... | C8 2.0 HDi 07/2002... | Dispatch 2.0 HDi 03/2000...10/2006 | Evasion 2.0 HDi 08/1999...07/2002 | Evasion 2.0 HDi 16V 09/1999...07/2002 | Jumpy 2.0 HDi 03/2000... | Sinergie 2.0 HDi 08/1999...07/2002 | Sinergie 2.0 HDi 16V 09/1999...07/2002 | XSara Picasso 2.0 HDi 12/1999... - **Fiat:** Ducato (230) 2.0 JTD 10/2001...04/2002 | Ducato (244) 2.0 JTD 04/2002... | Ducato 100 Multijet 2.2 D 07/2006... | Scudo (220) 1.9 D 04/1998... | Scudo (220) 1.9 D 12/1999... | Scudo 1.6 D Multijet, 2.0 D Multijet 01/2007... | Ulysse (179) 2.0 D Multijet (88-100kW) 05/2006... | Ulysse (179) 2.0 JTD (79kW) 05/2003... | Ulysse (179) 2.0 JTD (80kW) 08/2002... | Ulysse (179) 2.2 D Multijet, 2.2 JTD (94-125kW) 08/2002... | Ulysse (220) 2.0 JTD 10/1999...08/2002 - **Ford:** Galaxy 2.0 TDCi 05/2006... | Galaxy 2.2 TDCi 03/2008... | Mondeo IV 2.0 TDCi 03/2007... | Mondeo IV 2.2 TdCi 03/2008... | S Max 2.0 TdCi 05/2006... | S Max 2.2 TdCi 03/2008... - **Lancia:** Phedra 2.0 D (88kW) 06/2006... | Phedra 2.0 D Multijet (100kW) 07/2006... | Phedra 2.0 JTD, 2.2 JTD (79-80kW) 09/2002... | Phedra 2.2 JTD (94kW) 09/2002... - **Land Rover:** Freelander 2.2 TD4 (112kW) 01/2007... | Freelander 2.2, 2.2 TD4 (115-118kW) 10/2006... - **Mini:** Cooper D 03/2007... | One D 06/2009...07/2010 | R 55 1.6D 10/2007...  
**Peugeot:** 306 2.0 HDi 90 06/1999...04/2002 | 307 2.0 HDi 110, 2.0 HDi 110 FAP, 2.0 HDi 90 08/2000... | 406 2.0 HDi 06/1998...04/2004 | 406 2.0 HDi 110 FAP 08/2001...10/2004 | 406 2.0 HDi 90 02/1999...10/2004 - **Volvo:** S80 II 2.0 TDI 02/2008... | V70 III 2.0 D 10/2007...

**ALTERNADOR / Alternator**

**BMW:** 12317794970 | 12317860779 - **Bosch:** 0121615009 | 0121615021 | 0121615028 | 0121715024 | 0124525035 | 0124525126 - **Fiat:** 9646065480 - **Ford:** 1387927 | 1435647 | 1455494 | 1458640 | 6G9N10300XA | 6G9N10300XB | 7G9N10300EA | G9N10300ADB | 6G9N10300ADA | 6G9N10300ADB - **Land Rover:** LR002899 - **Lester:** 8531 | 20008 | 20013 | 21791 | 23301 | 23973 - **Peugeot:** 5705AS | 96460654 | 96463218 | 9646065480 | 9646321880 - **Volvo:** 8697585 | 30795169 | 36000223 | 36000798

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147764 | F00M147766 | F00M147907 | F00M349814 | F00M991171 | F00M991271 - **Cargo:** 234127 | 332305 - **Dayco:** ALP2357 - **Fiat:** 77362558 - **Gates:** OAP7080 - **IKA:** 335731 - **INA:** F2323694 | F2323695 | F2323697 | F2323698 | F23236904 | F23236905 | F23236907 | F23236908 - **Luk:** 535005910 - **Ruville:** 55966  
**SKF:** VKM03302 - **WAI:** 2491278

**5452****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Ford:** Ranger 2.2 | Transit 2.2 TdCi, 2.4 TdCi, 3.2 TdCi 07/2006... | Transit Tourneo 2.2 - **Land Rover:** Defender 90, 110, 130 2.4 Td4 mai/07 - **Mazda:** BT-50 Pick Up 3.0  
**Toyota:** Fortuner 3.0 | Hiace IV 2.5 D-4D 11/2001... | Hilux 2.5 D 4x4 08/2005... | Hilux 2.5 D-4D 06/2006... | Hilux Pick Up 2.5 D-4D, 2.5 D-4D 4x4, 3.0 D-4D 4x4 07/2012... | Hilux Pick Up 3.0 All-wheel Drive 4x4 (KUN26) 08/2005... | Land Cruiser Prado (J12) 3.0 D-4D (KDJ120) 01/2003...

**ALTERNADOR / Alternator**

**Bosch:** 0121615003 | 0124315033 | 0124315034 | 0124315046 | 0125711018 | 0986047920 | F000BL0131 | F000BL0132 | F000BL01A1 | F000BL01A3 | F000BL0639  
**Ford:** 1404792 | 1581844 | 6C1T10300 | 7H1210300 | 6C1T10300CA | 6C1T10300CB | 6C1T10300CC | 7H1210300AA | AB3910300AE - **Land Rover:** LR008856 | YLE500310 | 7H1210300AA - **Lester:** 11914 | 20035 | 20499 | 23977 - **Lucas Indiel:** LRA02558 - **Toyota:** 270600L030 | 270600L040 | 270600L050 | 270600L060 | 270600L150 | 270600L170B

**EQUIVALENTE / Equivalent**

**Bosch:** F00M349878 | F00M391108 | F00M391121 | F00M391125 | F00M991221 | F00M991916 | F00M991939 - **Cargo:** 235720 - **IKA:** 353381 - **INA:** F55617401 - **Luk:** 535012810 - **Mazda:** U20118W10 - **NTN:** 370V11 - **Toyota:** 274150L020 | 274150L040 - **WAI:** 2491307

**5453****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.6 HDi (55kW) abr/08 | Berlingo 1.6 HDi (80kW) 08/2005... | Berlingo 1.6 HDi 75,90,110 jul/05 | Berlingo 1.9 D (51kW) 07/1998... | C2 1.4 HDi (50kW) set/03 | C2 1.6 HDi (80kW) 09/2005... | C3 1.4 HDi, 1.4 16V HDi (50-66kW) 02/2002... | C3 1.6 16V HDi (80kW) 09/2005... | C3 1.6 16V HDi, 1.6 HDi (66kW) 10/2005... | C3 1.6 HDi (68kW) 11/2009... | C3 1.6 HDi (80kW) 02/2009... | C3 1.6 HDi (82kW) 11/2009... | C4 1.6 HDi 90, 1.6 HDi 110 FAP, 1.6 HDi 110FAP (66-80kW) 11/2004... | C4 2.0 HDi (110kW) 07/2009... | C4 2.0 HDi 135 FAP (100kW) 10/2006... | C5 1.6 HDi (80kW) 9HY 09/2004... | C5 1.6 HDi, 2.0 HDi, 2.2 HDi (80-125kW) 9HZ 02/2008... | C6 2.2 HDi 173 FAP 06/2006... | C8 2.0 HDi 03/2006... | C8 2.2 HDi 06/2006... | Jumpy 1.6 HDi 90, 2.0 HDi 120, 2.0 HDi 140 01/2007... | XSara Picasso 1.6 HDi 05/2004... - **Fiat:** Ducato (230) 2.0 JTD (alt.9649611280/9646321780) 10/2001...04/2002 | Ducato (244) 2.0 JTD (alt.9649611280/9646321780) 04/2002... | Scudo (220) 1.9 D, 1.9 TD (51-68kW) (alt.9655733780) 02/1996... | Scudo (220) 1.9 D, 2.0 JTD (51kW) (alt.9655733780) 04/1998... | Scudo (220) 2.0 JTD (69-80kW) (alt.71733552) 12/1999... | Scudo (220) 2.0 JTD (69kW) (alt.71733552/71749232/71748885) 01/2004... | Scudo 1.6 D Multijet, 2.0 D Multijet (alt.71733552) 01/2007... | Ulysse (179) 2.0 D Multijet (88-100kW) (alt.71733552) 05/2006... | Ulysse (179) 2.0 JTD (79kW) (alt.71733552) 05/2003... | Ulysse (179) 2.0 JTD, 2.2 D Multijet, 2.2 JTD (80-125kW) (alt.71733552/71748885/9661544880) 08/2002... | Ulysse (220) 2.0 JTD (80kW) (alt.71733552) 10/1999...08/2002 - **Lancia:** Phedra 2.0 D Multijet (alt.71733552) 07/2006... | Phedra 2.0 JTD (alt.71733552) 09/2002... | Phedra 2.2 D Multijet (alt.71733552) 03/2008... | Phedra 2.2 JTD (alt.71733552) 09/2002... - **Peugeot:** 1007 1.4 HDi, 1.6 HDi (50-80kW) 04/2005... | 107 1.4 HDi (40kW) 06/2005... | 206 1.4 HDi, 1.6 HDi FAP 110 (50-80kW) 09/2001... | 207 1.4 HDi, 1.6 HDi (50-80kW) 02/2006... | 3008 1.6 HDi (80kW) 06/2009... | 307 1.4 HDi, 1.6 D, 1.6 HDi, 1.6 HDi 110 FAP (50-80kW) 10/2001... | 308 1.6 HDi (66-82kW) 09/2009... | 407 1.6 HDi 110 FAP (80kW) 05/2004... | 407 2.0 HDi, 2.0 HDi 135 FAP, 2.2 HDi, 2.2 HDi 170 FAP (93-125kW) 05/2004... | 5008 1.6 HDi (80kW) 09/2009... | 607 2.0 HDi (100kW) 09/2005... | 607 2.2 HDi (98kW) 02/2000... | 807 2.0 HDi (88-100kW) 06/2006... | 807 2.0 HDi FAP, 2.2 HDi FAP (79-94kW) 06/2002... | Bipper (AA) 1.4 HDi 02/2008... | Expert 1.6 HDi 90 01/2007... | Expert 2.0 HDi 120, 2.0 HDi 140 01/2007... | Partner 1.6 HDi 04/2008... | Partner 1.6 HDi 75, 1.6 HDi 90 02/2006...

**5453****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator**

**Citroën:** 5702H0 | 5702H4 | 5702NA - **Fiat:** 2542693 | 2542832 | 71733552 | 71748885 | 71749232 | 9646321780 | 9649611280 | 9661544880 - **Lester:** 20029 | 20130 | 20256 | 20649 | 20653 | 20667 | 23301 | 24052 | 24053 | 24078 | 24079 | 24080 - **Peugeot:** 570200 | 5705AS | 5705AX | 5705EE | 5705EY | 5700000 - **Valeo:** 439502 | 542832 | TG9B026 | TG9B044 | FG18S017 | TG15C020 | TG15C028 | TG15C053 | 9655296080

**EQUIVALENTE / Equivalent**

**Gates:** OAP7077 - **IKA:** 335791 - **INA:** F2365912 | F2365914 | F2365916 | F23659101 | F23659102 | F23659104 | F23659106 - **Luk:** 535006210 - **SKF:** VKM03305  
**Valeo:** 593832 - **WAI:** 2494261

**5454****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Opel:** Astra G 1.7 CDTI 04/2003...01/2005 | Astra H GTC 1.7 CDTI 03/2005... | Astra H, Mk V 1.7 CDTI 03/2004... | Astra Mk IV 1.7 CDTI 04/2004... | Astra Mk IV 1.7 CDTI 16V 04/2003... | Combo 1.7 CDTI 16V, 1.7 DTI 16V 12/2004... | Corsa C 1.7 CDTI, 1.7 SE 06/2003... | Corsa Mk II 1.7 CDTI 04/2004... | Meriva 1.7 CDTI 09/2003...05/2010 | Meriva 1.7 CDTI 16V 04/2004...08/2005 - **Vauxhall:** Astra Mk IV 1.7 CDTI 16V 04/2003... | Astra Mk V 1.7 CDTI 03/2004... | Astravan Mk IV 1.7 CDTI 04/2004... | Combo 1.7 CDTI 16V 12/2004... | Corsa Mk II 1.7 CDTI 16V 04/2004... | Meriva 1.7 CDTI 16V 04/2004...08/2005

**ALTERNADOR / Alternator**

**General Motors/Chevrolet:** 93175799 | 93175944 | 97189113 | 97355198 | 97363832 | 97363833 | 97369507 | 97369508 | 98056439 | 98056440 - **Isuzu:** 8971891133 | 8971891134 | 8971891135 - **Lester:** 21382 | 23802 | 23804 | 24092 | 24094 | 24095 - **Opel:** 1204158 | 1204618 | 1204619 | 6204183 | 6204197 | 6204198 | 6204199 | 6204200 | 6204287 - **Remy:** DRA3794N

**EQUIVALENTE / Equivalent**

**Cargo:** 238690 | 332314 - **Gates:** OAP7037 - **General Motors/Chevrolet:** 97186700 | 97355778 - **Hitachi:** GD218089 | GD2180891 - **IKA:** 353281 - **INA:** F232353 | F240113 | F2323531 | F23235303 | F24011301 - **Luk:** 535006510 - **Opel:** 1204366 | 6204889 - **Remy:** 10511026 - **SKF:** VKM03508 - **WAI:** 2481110

**5455****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** S10 2.5 Flex 2017 - **Opel:** Astra G 1.4i, 1.4 16V, 1.6 16V, 2.0i Cabrio, Caravan 02/1998...01/2005 | Astra G 1.6 02/1998...09/2000 | Astra G 1.6 16V, 1.8 16V, 2.0 16V, 2.0 16V OPC 02/1998...10/2005 | Astra G 1.6, 1.6 CNG 09/2000...04/2005 | Corsa 1.4i / 1.8i 16v 09/2000... | Signum 1.8i 05/2003... | Vectra C, GTS 1.6, 1.6 16V, 1.8, 1.8 16V Caravan 04/2002... | Zafira 1.6 01/2006... | Zafira 1.6 16V, 1.8 16V 04/1999...06/2005 | Zafira 1.6, 1.6 CGN 09/2001...06/2005 - **Vauxhall:** Astra MK III 1.4i 16V, 1.6 01/1996...03/2001 | Astra MK IV 1.4i 16V, 1.6 16V, 1.8 16V, 1.8 16V Dualfuel, 1.9, 2.0 16V 02/1998... | Astra MK V 1.8 02/2005... | Astra Van MK IV 1.6i 09/2000... | Corsa 1.4i 16V 01/1998... | Vectra 1.6i 16V 10/1995... | Vectra Mk II 1.6 16V, 1.8 16V, 1.8 16V Dualfuel 04/2002...07/2008 | Zafira 1.6 16V 04/1999... | Zafira 1.8 16V 05/1999...08/2005

**ALTERNADOR / Alternator**

**Bosch:** 0124425009 | 0124515004 | 0124515031 | 0126312007 | 0126312008 | 0126312089 | 0126312090 | 0126312101 | 0126312102 | 0126312119 | 0986042800 | 0986046150 | F000BL07AD | F000BL07AE - **General Motors/Chevrolet:** 6204095 | 6204158 | 52075443 | 52140287 - **Holden:** 9195336 | 13147093 | 13156054 - **Lester:** 23296 - **Lucas Indiel:** LRA2295 | LRA02295 - **Opel:** 9117936 | 9173572 | 9195336 | 9512794 | 52075443 | 90561972 | 93175808 | 93175957 | 93177834 - **RCP:** 13156054  
**Valeo:** 437611 - **Vauxhall:** R1530025

**EQUIVALENTE / Equivalent**

**Bosch:** F00M699408 | F00M991076 | F00M991128 - **Cargo:** 236762 - **Gates:** OAP7031 - **General Motors/Chevrolet:** 09195337 | 12638803 | 93170214 - **IKA:** 335711  
**Lifens:** 920501 - **Luk:** 535017210 | 535033310 - **Opel:** 1204376 | 1204412 | 12638803 - **Ruville:** 55381 - **SKF:** VKM03504 - **WAI:** 2491276

**5456****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**BMW:** 116i, 118i, 120i (E87) (alt. 110A) 09/2004... | 118i, 120i (E88) (105-125kW) 03/2008... | 3 2.0 (E92) 11/2006...06/2007 | 3 series 2.0 (alt. 1231 7 516 099) 06/2005... | 316Ci, 316i (E88) 04/2000... | 316Ci, 318Ci Coupe (E46) 04/1999... | 316Ci, 318Ci Touring (E46) 10/1999...02/2005 | 316i (E90) 02/2006... | 316i, 316 ti (E88) 06/2002...02/2005 | 316ti, 318ti Compact (E46) (alt. 110A) 06/2001...02/2005 | 318Ci (E88) (110kW) 02/2005... | 318Ci Convertible (E46) 04/2000... | 318Ci, 318i, 318ti (E88) (105kW) set/01 | 318i (E90) (105kW) 09/2009... | 318i (E90) (95kW) 09/2005... | 320i (E90) 01/2005... | 520i (E60/E61) 09/2009... | Z4 2.0i (E85) 04/2005...

**ALTERNADOR / Alternator**

**BMW:** 12317521488 | 12317521489 | 12317532964 | 12317532968 | 12317533268 | 12317533272 - **Bosch:** 4613 | 4627 | 4724 | 0124325030 | 0124325045 | 0124325062 | 0124325072 | 0124325087 | 0124325116 | 0986046130 | 0986046270 - **Lester:** 23249 | 23251 - **Lucas Indiel:** LRA2263 | LRA2336 | LRA02251 | LRA02263 | LRA02336  
**Steyr:** 7532968 - **Valeo:** 437435 | 437449 | 439476 | 2542753 | SG11B010 | SG14B017

**EQUIVALENTE / Equivalent**

**BMW:** 11314466271 | 12317516099 | 12317552352 - **Bosch:** 0124A00238 | F00M147193 | F00M147747 | F00M991142 | F00M991273 | F00M991918 - **Cargo:** 233530  
**Febi:** 31729 - **Gates:** OAP7054 - **Hutchinson:** DB0267 - **IKA:** 335841 - **INA:** F236566 | F2365661 | F2365662 | F23656601 | F23656602 | F23656603 - **Luk:** 535007510  
**SKF:** VKM03870 - **Swag:** 20931729 - **WAI:** 2491277

**5457****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Ford:** Fiesta V 1.4 TdCi (JH,JD) 11/2001... | Fiesta Van 1.4 TdCi 10/2003... | Fusion 1.4 TdCi (JU) 08/2002... | Ikon Sedan 1.4 TDCi 01/2003...03/2010 - **Mazda:** Demio 1.4 CD 04/2003...

**ALTERNADOR / Alternator**

**Bosch:** 0986049151 - **Ford:** 1140135 | 1303447 | 1464756 | 1464788 | 1477856 | 1477859 | 2S6T10300AA | 2S6T10300AB | 3S6T10300AA | 3S6T10300AB | 3S6T10300AC - **Lester:** 8528 | 8531 - **Lucas Indiel:** LRA02338 - **Mazda:** Y40118300 - **Remy:** DRA4247

**EQUIVALENTE / Equivalent**

**Cargo:** 235503 - **IKA:** 353311 - **INA:** F235492 | F556614 | F2354921 | F2354922 | F23549202 | F55661401 - **Luk:** 535009010 - **Visteon:** VP2PSU10A352BA | VP2PSU10A352CA - **WAI:** 242284

**5458****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**BMW:** 116i,118i, 120i (E87) (alt. 150A) 09/2004... | 118i (E87) (alt. 150A) 04/2007... | 120i, 125i (E88) 03/2008... | 125i 10/2007... | 130i 09/2005... | 3 series 2.0 (alt. 1231 7 516 103) 06/2005... | 316i,318i, 320i,323i, 325i, 330i, 325xi, 330xi, 320si (E90) Saloon 05/2001... | 316ti, 318ti Compact (E46) 06/2001...02/2005 | 316ti, 318ti Touring (E46) 10/1999...02/2005 | 523i, 525i, 530i, 525xi, 530xi (E61) Touring 06/2004... | 630i, 630i Convertible (E63/E64) 09/2004... | 730 i, Li 3.0 (E65/E66) 03/2005... | X3 (E83) 2.0i jul/05 | X3 (E83) 2.5si, 3.0si 09/2006... | X5 3.0 si (E70) 02/2007... | Z4 (E85) 2.0i (110kW) 04/2005... | Z4 (E85) 2.5i, 2.5Si, 3.0Si (130-195kW) 01/2006... - **Lotus:** Exige 1.8 265 E 08/2006...

**ALTERNADOR / Alternator**

**BMW:** 12314487081 | 12317516101 | 12317516723 | 12317521176 | 12317521177 | 12317521384 | 12317521490 | 12317521491 | 12317532965 | 12317532966 | 12317532969 | 12317532970 | 12317542529 | 12317543083 | 12317550967 | 12317551254 | 12317551256 | 12317555926 - **Bosch:** 0121615010 | 0121715012 | 0124515098 | 0124525042 | 0124525045 | 0124525048 | 0124525059 | 0124525083 | 0986047240 - **Lester:** 11077 | 11300 | 11301 | 23253 | 23254 | 23257 | 23775 - **Steyr:** 7532969

**EQUIVALENTE / Equivalent**

**BMW:** 12317516103 | 12317552353 | 12317560483 - **Bosch:** F00M147746 | F00M147914 | F00M349820 | F00M349898 | F00M391122 | F00M391159 | F00M991141 | F00M991301 | F00MA47701 - **Cargo:** 234169 - **Dayco:** ALP2362 - **Febi:** 31743 - **Gates:** OAP7111 - **IKA:** 33591 1 - **INA:** F236528 | F23652801 | F23652802 | F23652803 | F23652804 | F23652806 | F23652807 - **Luk:** 535008210 | 535018310 - **Ruville:** 59929 - **SKF:** VKM03872 - **Swag:** 20931743 - **WAI:** 2491289

**5459****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** H 1 2.5 CRDi 12/2002... | H 100 / Porter Pick Up/ Starex 2.5 | H 200 Box 2.5 CRDi 08/2003... | H 200 Bus 2.5 CRDi, 2.5 CRDi 4WD 12/2002... - **Kia:** Sorento 2.5 CRDi 08/2002...

**ALTERNADOR / Alternator**

**Hyundai:** 373004A001 | 373004A002 | 373004A003 - **Kia:** 373004A110 | 373004A111 | 373004A112 | 373004A113 - **Lester:** 23790 | 23791 - **Mando:** AF111382 | AF111393 - **Valeo:** 2605359

**EQUIVALENTE / Equivalent**

**Hyundai:** K406701 | 373214A000 - **IKA:** 335891 - **INA:** F2327741 | F2327743 | F2327744 | F2327745 | F23277401 | F23277403 | F23277404 | F23277405 - **Kia:** 406607 | 373224A000 | 373224A001 - **Luk:** 535007910 - **SKF:** VKM06404 - **Valeo:** 2655703 | K406701 - **WAI:** 2494265

**5460****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Elantra / Avante (XD), Trajet (FO) 2.0 CRDi 04/2001... | I30 2.0 CRDi 10/2007... | Santa Fé 2.0 CRDi 04/2001... | Santa Fé 2.2 CRDi, 2.2 CRDi GLS 03/2006... | Sonata V/Embera 2.0 CRDi 02/2006... | Tucson 2.0 CRDi 08/2004... - **Kia:** Carens II 2.0 CRDi 07/2002... | Cerato | Cerato 2.0 CRDi 04/2004... | Lotze 2.0 CRDi 06/2004... | Sportage 2.0 CRDi 09/2004...

**ALTERNADOR / Alternator**

**Hyundai:** 3730027011 | 3730027012 | 3730027013 - **Kia:** 3730027011 | 3730027012 - **Lester:** 23098 | 24027 - **Lucas Indiel:** LRA02104 - **Poong Sung:** 21319110 | 21319111 | 21319112 | 21319311 - **Remy:** DRA4174 - **Valeo:** 440119

**EQUIVALENTE / Equivalent**

**Cargo:** 233990 | 332304 - **Denso:** 710110750 | 720110750 - **Gates:** OAP7073 - **Hyundai:** 21319110 | 3732227010 | 3732227012 - **IKA:** 335641 - **INA:** F233970 | F2339703 | F2339704 | F2339705 | F23397002 | F23397003 | F23397004 | F23397005 - **Kia:** 3732227010 | 3732227012 - **Luk:** 535004610 - **Poong Sung:** 720110750  
**SKF:** VKM06501 - **WAI:** 2489251

**5461****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** C 230 Kompressor 02/2004... | C class 160/180/200/230 Kompressor, C 200 CGI 05/2002... | C, CLK 200 CGI, CGI Kompressor 07/2003... | CLC 180 Kompressor 05/2008... | CLK 200 Kompressor 09/2002... | E 200 Kompressor, E200 NGT, E 200 CGI 11/2002... | SLK 200 Kompressor 03/2004... | Sprinter 3,5-T 224, 324, 524 06/2006... | Viano 3.5 126 09/2009...

**ALTERNADOR / Alternator**

**Bosch:** 0124515062 | 0124515088 | 0124515198 | 0124615022 | 0124615028 | 0986045380 - **Lester:** 11066 | 13954 | 23285 - **Mercedes Benz:** 121540602 | 2711540102 | 2711540202 | 2711540602 | 2711540802 | 2711540902 | 2711541002 - **Valeo:** 2542582A | 2542582B | SG12B062

**EQUIVALENTE / Equivalent**

**Bosch:** F00M391160 | F00M991138 | F00M991302 - **Cargo:** 234793 | 332306 - **Dayco:** ALP2366 - **Febi:** 21684 - **Gates:** OAP7056 - **IKA:** 335681 - **INA:** F2320012 | F2320014 | F2320017 | F2320018 | F2320019 | F23200102 | F23200104 | F23200106 | F23200107 | F23200108 | F23200109 - **Luk:** 535004210 - **Mercedes Benz:** 2711550016 | 2711550115 - **SKF:** VKM03829 - **Valeo:** 593625 - **WAI:** 2491282

**5462****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Ford:** C Max 1.8 TdCi 02/2007... | Focus 1.8 TdCi 03/2001...11/2004 | Focus C Max 1.8 TdCi 01/2005...03/2007 | Focus II 1.8 TdCi 11/2004... | Galaxy, S-Max 1.8 TdCi 05/2006... | Mondeo IV 1.8 TdCi 03/2007... | Tourneo Connect 1.8 Di, 1.8 TdCi, 1.8 Turbo Di 06/2002... | Transit Connect 1.8 Di, 1.8 TdCi, 1.8 TdCi DPF 06/2002...

**ALTERNADOR / Alternator**

**Ford:** 1144182 | 1144183 | 1201206 | 1219711 | 1221059 | 1301377 | 1307487 | 1450641 | 1M5T10300BB | 1M5T10300BC | 1M5T10300BD | 98AB10300JE | 98AB10300JF | 98AB10300JG | R1M5T10300BD | R98AB10300JC - **Lester:** 20142

**EQUIVALENTE / Equivalent**

**Cargo:** 235494 | 332309 - **Ford:** 5M5Q10344AA | 5M5Q10344AB - **Gates:** OAP7051 - **IKA:** 335931 | 353171 - **INA:** F233608 | F2336081 | F2336082 | F2336083 | F23360801 | F23360802 | F23360803 - **Litens:** 920606 | 111020A - **Luk:** 535009810 - **Ruville:** 55293 | 55294 - **SKF:** VKM03402 - **WAI:** 242483

**5463****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** C 200 CDI, C 220 CDI 02/2001... | CLC 220 CDI 05/2008... | CLK 220 CDI 01/2005... | E 200 CDI 07/2002... | E 200 CDI, E 200 CDI, E 220 T CDI 04/2006... | E 270 CDI 03/2002... | E 280 CDI, E 320 CDI 11/2002... | S 320 CDI 09/2002...08/2005

**ALTERNADOR / Alternator**

**Bosch:** 014154002 | 0124625002 | 0124625014 | 0124625019 | 0124625033 | 0124625045 | 0131540002 | 0131545902 | 0131549002 | 0141540702 | 0986045420

**Lester:** 11216 | 20036 | 20756 | 23269 - **Mercedes Benz:** 121549802 | 131540002 | 131545902 | 141540702

**EQUIVALENTE / Equivalent**

**Bosch:** F00M349827 | F00M991181 | F00M991255 - **Cargo:** 234796 | 332308 - **Dayco:** ALP2379 - **Gates:** OAP7046 - **IKA:** 353141 - **INA:** F235968 | F2359683 | F2359685 | F2359686 | F2359687 | F2359688 | F2359689 | F23596801 | F23596803 | F23596805 | F23596806 | F23596807 | F23596808 | F23596809 | F23596810 - **Luk:** 535008610 - **Mercedes Benz:** 6461500260 | 6461500360 | 6481550015 - **Ruville:** 55177 - **SKF:** VKM03820 - **WAI:** 2491293

**5464****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Ford:** Focus C Max 1.8 04/2004...03/2007 | Focus C Max 1.8 FFV 01/2006...03/2007 | Focus C Max 2.0 04/2004...03/2007 | Focus II 1.8 FFV, 1.8 Flexifuel 01/2006... | Focus II 2.0 11/2004... | Galaxy 2.0 05/2006... | Mondeo III 1.8 16v 11/2000...08/2007 | Mondeo III 1.8 SCi 06/2003...08/2007 | S Max 2 2.0 Flexifuel 05/2006... - **Volvo:** C30 1.8, 1.8 FlexFuel, 2, 2.0 FlexFuel 10/2006... | S40 1.8, 1.8 FlexFuel, 2.0 01/2004... | V50 1.8, 1.8 FlexFuel, 2, 2.0 FlexFuel abr/04

**ALTERNADOR / Alternator**

**Denso:** 1042103761 - **Ford:** 1120213 | 1140694 | 1151213 | 1256552 | 1379699 | 1469391 | 1ST10300CB | 1ST10300CC | 1ST10300CD | 3M5T10300VC | 3M5T10300VD | 6G9N10300ABA | 6G9N10300ABC - **Lester:** 23839 | 24070

**EQUIVALENTE / Equivalent**

**Cargo:** 237619 | 332312 - **Denso:** 1042103761 - **IKA:** 353971 - **INA:** F570680 - **Koyo:** WCPN36RCX | WCPN36RDX - **Luk:** 535018210 - **Ruville:** 59925 - **SKF:** VKM03410 - **WAI:** 2482300

**5466****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Terracan (HP) 2.9 CRDi, 2.9 CRDi 4WD 11/2001... - **Kia:** Carnival (UP) 2.9 TD 08/1999...10/2001 | Carnival II 2.9 CRDi, 2.9 TD 10/2001... | Sedona (GQ) 2.9 TD, 2.9 CRDi 10/2001... | Sedona (UP) 2.9 TD 08/1999...10/2001



**5466****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**ALTERNADOR / Alternator****Hyundai:** 373004X500 | 373004X501 | 373004X502 | 373004X503 - **Kia:** 373004X000 | 373004X001 | 373004X002 | OK55418300 | OK55218300B | OK55318300A  
**Lester:** 23152 | 23153**EQUIVALENTE / Equivalent****Cargo:** 230527 - **Gates:** OAP7093 - **IKA:** 335561 - **INA:** F231618 | F23161801 | F23161802 | F23161804 | F23161805 - **Kia:** OK55418W11 | 373214X210 | 373214X300 | 373214X301 | 373224X000 | OK55218300B - **Luk:** 535003410 - **Poong Sung:** 720110740 - **SKF:** VKM06400 - **Valeo:** 2655702 - **Valeo Korea:** K406700 - **WAI:** 2489250**5467****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación****Dacia:** Duster 1.5 dCi 04/2010... | Logan 1.4, 1.4 Bifuel, 1.6, 1.6 LPG 09/2004... | Logan 1.5 dCi 09/2005... | Logan 1.6 CNG 04/2007... | Logan Express 1.4, 1.6, 1.5dCi 03/2009... | Sandero 1.4, 1.6 06/2008... | Sandero 1.5 dCi 11/2008... - **Nissan:** Almera II 1.5 dCi 01/2003... | Kubistar 1.5 dCi 08/2003... | Micra 1.5 dCi 01/2003... | Note 1.5 dCi 03/2006... | NV200 1.5 dCi 02/2010... | Tiida 1.5 dCi, 1.8 09/2009... - **Renault:** Clio II 1.4 16V 10/1999... | Clio II 1.5 D, 1.5 dCi (50kW) 04/2004... | Clio II 1.5 dCi (47kW) 06/2005... | Clio II 1.5 dCi (48kW) 06/2001... | Clio II 1.5 dCi (74kW) 01/2004... | Clio II 1.5 dCi, 1.5 dCi (59-62kW) 06/2001... | Clio II 1.6 11/2003... | Clio II 1.6 16V 09/1998... | Kangoo 1.4 (55kW) 08/1997... | Kangoo 1.5 dCi (42-48kW) 12/2001... | Kangoo 1.5 dCi (50kW) 06/2005... | Kangoo 1.5 dCi (60-62kW) 07/2002... | Kangoo 1.6 (66kW) 09/1999...06/2001 | Kangoo 1.6 16V (70kW) 06/2001... | Kangoo 1.6 16V bivalent (60kW) 06/2005... | Laguna 1.6 16V 05/1998...01/2001 | Laguna 1.8 05/1998...01/2001 | Laguna II 1.6 16V, 1.9 dCi 03/2001... | Logan 1.4, 1.6 09/2004... | Logan 1.5 dCi 04/2007... | Megane I 1.4 09/1996... | Megane I 1.4e, 1.4 16V, 1.6 16V 03/1999... | Megane I 1.4i 01/1996... | Sandero 1.4, 1.6 02/2009... | Scenic I 1.4 16V, 1.6, 1.6 16V 09/1999...08/2003 | Thalia 1.4, 1.4 16V 08/2000... | Thalia 1.5 dCi (47kW) 06/2005... | Thalia 1.5 dCi (48kW) 04/2002... | Thalia 1.5 dCi (50kW) 02/2003... | Thalia 1.5 dCi, 1.5 dCi RT (59-60kW) 06/2001... | Twingo 1.5 dCi (CN0U) (Alt. Valeo 120A) 04/2008... | Twingo 1.5 dCi (CNOE) 03/2007... | Twingo 1.5 dCi 75, 1.5 dCi 90 10/2010...**ALTERNADOR / Alternator****Bosch:** 4185 | 4277 | LRB460 | 0124325185 | 0124415007 | 0124415013 | 0124415014 | 0124415040 | 0124415041 | 0124425034 | 0124525028 | 0986041850 | 0986042720 | 0986042770 | 0986047360 - **Dacia:** 7701473636 | 7701476809 | 7701477712 - **Lester:** 20135 | 20355 | 20453 | 20608 | 20610 | 20638 | 20967 | 20972 | 23893 | 23975 - **Lucas Indiel:** LRB00460 - **Melco:** A002TC0982 - **Nissan:** 2310000Q0D | 2310000Q2C | 2310000QA9 | 2310000QBB | 2310000QBH | 23100BN700 | 23100BN701 | 23100BN704 | A002TC0981 - **Renault:** 7700101274 | 7700421477 | 7700429217 | 7700429310 | 7700434899 | 7700434900 | 7701473636 | 7701473637 | 7701474326 | 7701476809 | 7701477694 | 7701477710 | 7701477711 | 7701477712 | 8200019706 | 8200030635 | 8200122976 | 8200323137 | 8200537415 | 8200660040 | 8200667608 | 8200667609 | 8800030635 | 8800385098 | 8800386806 - **Valeo:** 437311 | 437558 | 437559 | 437622 | 439561 | 439584 | 440062 | SG9B033 | SG9B047 | 2542420A | 2542420B | 2542420C | 2542548A | SG10B016 | SG10B020 | SG12B089 | SG12B105 | TG11C034 | TG11C064**EQUIVALENTE / Equivalent****Bosch:** 0124325031 | F00M147906 | F00M991054 | F00M992723 - **Cargo:** 231584 | 333025 - **Gates:** OAP7106 - **Hutchinson:** D7512RA - **INA:** F557755 | F5501814 | F5501815 | F55018103 | F55018104 | F55018105 - **Luk:** 535010510 | 535011710 - **Renault:** 110616 | 7700110616 | 7701477689 | 8200548796 - **Valeo:** 595210 | 2602881 | 2604211**5468****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**EQUIVALENTE / Equivalent****WAI:** 2483277**5492****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

**APLICAÇÃO / Application / Aplicación****Mazda:** 2 2.3 08/2002... | 6 1.8 08/2002... - **Nissan:** Interstar dCi 100, dCi 120 2.2 dCi, 2.5 dCi 07/2002... | Primastar dCi 150 09/2006... - **Renault:** Captur (J5,H5) 06/2013... | Grand Scenic 2.0 dCi 09/2005... | Laguna II 1.9 dCi 05/2005... | Master II 2.5 dCi 08/2006... | Megane II 1.9 / 2.0 dCi, 2.0 dCi Dynamic 09/2005... | Scenic II 2.0 dCi 09/2005... | Trafic II 1.9 dCi 03/2001...**ALTERNADOR / Alternator****Bosch:** 0124425018 | 0124425074 | 0124425114 | 0124525076 | 0124525137 | 0124525537 | 0986048040 | F000BL04C3 | F000BL04C4 | F000BL04C5 | F000BL04C6 | F000BL07AS | F000BL07AT | F000BL07AU | F000BL07AV | F000BL07YC | F000BL07YD | F000BL07ZU | F000BL07ZV | F000BL0814 | F000BL0841 | F000BL08A5 | F000BL08D0 - **General Motors/Chevrolet:** 93169474 | 93189013 | 93198275 - **Lester:** 20552 | 20594 | 20609 | 20641 | 23542 | 24044 | 24172 - **Mercedes Benz:** A4539063900 | A4539064000 | A4539064100 - **Nissan:** 231000057R | 2310000Q0H | 2310000Q2E | 2310000Q4K | 2310000Q5F | 231000803R | 231001568R | 231001910R | 231002243R | 231002854R | 231003071R | 231004784R | 231004BE0B | 231005079R | 231005424R | 231005FN3A | 231006007R | 231007813R | 231008593R | 231009350R - **Opel:** 1204192 | 4416689 | 4434149 - **Renault:** 8200251006 | 8200356669 | 8200660022 | 8200660822 | 8200726639 | 8200901783 - **Smart:** 4539063900**EQUIVALENTE / Equivalent****Bosch:** F00M147807 | F00M147831 | F00M147936 | F00M991216 | F00M991231 | F00M991293 - **Cargo:** 238734 - **Cobra:** 2240 - **Dayco:** ALP2371 - **Gates:** OAP7110  
**IKA:** 353261 - **INA:** F2385125 | F23851202 | F23851203 | F23851205 | F23851206 - **Luk:** 535008110 - **Renault:** 7701062985 - **SKF:** VKM03601 - **WAI:** 2491288

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POLIA RODA LIVRE PARA ALTERNADOR - OAP  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Audi:** A1 1.2 TFSI 05/2010... | A3 (8P1, 8PA) 1.2 TSI 04/2010... | A3 (8P1, 8PA) 1.4 TFSI 09/2009... | A3 1.2 TSI 03/2010... - **Seat:** Altea 1.2 TSI 04/2010... | Altea 1.4 TSI 11/2007... | Ibiza V 1.2 TSI 09/2010... | Ibiza V 1.4 TSI 06/2009... | Ibiza V 1.6 TDI 05/2009... | Ibiza V 2.0 TDI 01/2010... | Leon 1.2 TSI 02/2010... | Leon 1.4 TSI 11/2007...  
**Skoda:** Fabia 1.2 TSI 03/2010... | Fabia 1.4 TSI 05/2010... | Octavia 1.2 TSI 05/2010... | Octavia 1.4 TSI 11/2008... | Roomster 1.2 TSI 03/2010... | Superb 1.4 TSI 07/2008... | Yeti 1.2 TSI 09/2009... | Yeti 1.4 TSI 06/2010... - **Volkswagen:** Beetle 1.2 TSI, 1.4 TSI (5C1, 5C7) 04/2011... | Caddy 1.2 TSI 09/2010... | Cross Up 1.0 EA211 2014... | Eos 1.4 TSI 11/2007... | Fabia 1.4, 1.6 12/2008... | Fox 1.0 EA211 2013... | Fox 1.6 EA211 2014... | Golf Plus V 1.2 TSI 11/2009... | Golf Plus V 1.4 FSI, 1.4 TSI 11/2005... | Golf Plus V 1.4 TSI 05/2007... | Golf Plus V 1.4 TSI 06/2007... | Golf VI 1.2 TSI 05/2009... | Golf VI 1.4 TSI 10/2008... | Jetta III 1.4 TSI 07/2006... | Jetta III 1.9 TDI 08/2005... | Laida 1.4 TSI 10/2009... | Passat 1.4 FSI 05/2007... | Passat 1.6 FSI 03/2005... | Polo 1.2 TSI 11/2009... | Polo 1.4 GTI 05/2010... | Scirocco 1.4 TSI 09/2008... | Sharan 1.4 TSI 05/2010... | Superb 2.0 08/2009... | Tiguan 1.4 TSI 08/2010... | Touran 1.2 TSI 05/2010... | Touran 1.4 TSI 02/2006... | Up 1.0 EA211 2014... | Up TSI 1.0 3Cil. EA211 2015... | UP! 1.0 EcoFuel 08/2011...

## ALTERNADOR / Alternator

**BMW:** 12317628243 - **Bosch:** 0124525038 | 0124525074 | 0124525093 | 0124525188 | 0124525200 | 0124525201 | 0124625040 | 0125811026 | 0125811088 | 0125811113 | 0125811114 | 0125812002 | 0125813009 | F000BL04K7 | F000BL04K8 | F000BL04R1 | F000BL04R2 | F000BL0602 | F000BL0603 | F000BL0663 | F000BL0664 | F000BL0741 | F000BL07N1 | F000BL0801 | F000BL0802 | F000BL0818 | F000BL0863 | F000BL0864 | F000BL08A1 | F000BL08C8 | F000BL08J1 | F000BL08J2 | F000BL08K5 | F000BL08K6 - **Lester:** 20146 | 20147 | 20148 | 20149 | 20414 | 20588 | 20801 | 20881 | 20886 | 23914 | 23950 | 24117 | 24118 - **Valeo:** 2625918 | TG9S132 | TG11C048 | TG11C086 | TG14C012 | TG14C027 | TG14C028 - **Volkswagen:** 03C903023A | 03C903023C | 03C903023G | 03C903023S | 03C903023T | 03C903025D | 03F903023D | 03F903023E | 03F903023F | 04C903023C | 04C903023J | 04C903023P | 03C903023AX | 03C903023SX

## EQUIVALENTE / Equivalent

**Bosch:** F00M147800 | F00M599423 | F00M991204 - **Cargo:** 235506 - **Gates:** OAP7090 - **IKA:** 353231 - **INA:** F240139 | F572716 | F576346 | F2401391 | F2401392 | F2401393 | F2401394 | F24013901 | F24013902 | F24013903 | F24013904 | F24013905 - **Lester:** 79202223 - **Luk:** 535009510 | 535015510 - **Ruville:** 56324 - **Seat:** 03C903119A | 03C903119C | 03C903119F - **SKF:** VKM03118 - **Valeo:** 501528 | 588018 | 2602484 | 2612626 - **WAI:** 2491295

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POLIA RODA LIVRE PARA ALTERNADOR - OAP  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 86

## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** CLS 320 CDI 01/2005... | CLS 350 CDI 04/2009... | E 280 CDI, E 300 BLUETEC, E 320 CDI, E 320 T CDI 03/2005... | E 350 BlueTEC, E 350 CDI 01/2009... | E 400 CDI 02/2003... | G 400 CDI 12/2000... | GL 320 CDI, GL 350 CDI 09/2006... | GL 350 CDI BlueTEC (Alt. Bosch 220A) 12/2009... | M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI 07/2005... | ML 350 CDI BlueTEC 09/2009... | ML 400 CDI 09/2001...06/2005 | R 280 CDI, R 300 CDI 05/2006... | R 320 CDI, R 350 CDI 01/2006... | R 350 (Alt. Bosch 220A) 07/2009... | S 320 CDI 12.2005... | S400 CDI 06/2000...08/2005

## ALTERNADOR / Alternator

**Bosch:** 0124625040 - **Lester:** 11306 | 11307 | 11445 | 23964 - **Mercedes Benz:** 1501950 | 1502250 | 131546402 | 131547002 | 141541302 | 6281540102

## EQUIVALENTE / Equivalent

**Bosch:** F00M349826 | F00M391110 | F00M391146 | F00M991157 - **Cargo:** 235697 - **Dayco:** ALP2365 - **Gates:** OAP7065 - **INA:** F236127 | F2361271 | F2361272 | F2361273 | F2361274 | F2361276 | F23612701 | F23612702 | F23612703 | F23612704 | F23612705 | F23612706 - **Luk:** 535008410 - **Mercedes Benz:** 6281500060 | 6421500062 | 6421500860 - **WAI:** 2491291

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POLIA RODA LIVRE PARA ALTERNADOR - OAP  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Ford:** Metrostar 2.5 10/2000...02/2007 | Mondeo 2.5 V6 24V 11/2000...08/2007 | Mondeo 3.0 V6 24V 09/2004...08/2007 | Mondeo ST 220 (motor 3.0 V6) 04/2002...08/2007

## ALTERNADOR / Alternator

**Ford:** 2S7T10300AA - **Lester:** 23985 | 24002 | 24004 - **Valeo:** 439483

## EQUIVALENTE / Equivalent

**Cargo:** 235479 - **Dayco:** ALP2359 - **IKA:** 335821 - **INA:** F237481 | F2374811 | F2374812 | F23748101 | F23748102 - **Luk:** 535006410 - **SKF:** VKM03414 - **Valeo:** 593782 | 2601593 - **WAI:** 2494263

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POLIA RODA LIVRE PARA ALTERNADOR - OAP  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 159 2.4 JTDM, 2.4 JTDM Q4 09/2005... | Brera 2.4 JTDM 20V 01/2006... | Spider 2.4 JTDM 04/2007... - **Fiat:** Croma 2.4 D Multijet 06/2005... - **Mercedes Benz:** 160, 180, 200

## ALTERNADOR / Alternator

**Denso:** 1042102780 | 1042105020 - **Fiat:** 50500728 | 51734825 - **Lester:** 24086 - **Lucas Indiel:** LRA03084 - **Remy:** DRA0371

## EQUIVALENTE / Equivalent

**Alfa Romeo:** 77364148 - **Cargo:** 235696 - **Denso:** 0210401570 - **Gates:** OAP7091 - **IKA:** 353551 - **INA:** F2399122 | F2399123 | F23991201 | F23991202 | F23991203 - **Luk:** 535010710 - **SKF:** VKM03202 - **WAI:** 2499250

**5497****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Ford:** Ford Crown Victoria 4.6, 4.6 Sport Supercharged 05/1998...04/2005 - **Mercury:** Grand Marquis 4.6 GS, 4.6 LS 10/1999... | Marauder 4.6 2003...2004

## ALTERNADOR / Alternator

**Ford:** 3W3U10300AA | 3W3Z10346AA - **Lester:** 8314 | 8436 - **Motorcraft:** GL547

## EQUIVALENTE / Equivalent

**Ford:** VP3W3U10A352AA - **INA:** F233591 | F23359102 - **Luk:** 535016210 - **Mercury:** VP3W3U10A352AA - **Mercury USA:** VP3W3U10A352AA - **Visteon:** VP3W3U10A352AA - **WAI:** 242278**5498****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**GMC:** Sierra 6.6 DSL 2006...2007 | Topkick 8.1 2003...2005

## ALTERNADOR / Alternator

**Delphi:** AD237 | 3211739 | 3211829 | 3211869 | 3342485 - **Lester:** 8241 | 8293 | 8299 | 8498 | 8499 | 84913 - **Saab:** 15288860

## EQUIVALENTE / Equivalent

**Cargo:** 230526 - **Delphi:** 10484670 - **IKA:** 335371 - **INA:** F230753 | F2307531 | F2307533 | F2307536 | F5547652 | F5547653 | F23075301 | F23075303 | F23075306 | F55476502 | F55476503 - **Luk:** 535003310 - **WAI:** 241283**5499****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Ford:** Escape (Sport Utility) 2.3 16V, 2.3 16V Electric/Gas 01/2005...12/2007 - **Mazda:** Tribute 2.3 All-wheel Drive 07/2006... | Tribute 2.3 AWD 04/2004... | Tribute 2.3, 2.3 GX, 2.3 AWD 12/2003... | Tribute (Sport Utility) 2.3 16V 01/2005...12/2006

## ALTERNADOR / Alternator

**Ford:** 5L8T10300MA | 5L8T10300MC | 5S4T10300DA | 5S4T10300DB | 5S4T10300DC | 5S4Z10346DA | 5S4Z10346DB | 6L8T10300CB | 6L8Z10346CB | 6L8Z10346MA  
**Lester:** 8402 | 8404 | 8512 - **Mazda:** L3H518300 | L3H518300A

## EQUIVALENTE / Equivalent

**IKA:** 354691 - **INA:** F237401 | F23740101 - **Lester:** 795092280 - **Luk:** 535013210 - **Visteon:** VP5L8U10A352AA | VP6L8U10A352AA - **WAI:** 242281**5500****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Nissan:** Altima 2.5 08/2001...09/2006 | Altima 2.5 GDI Sedan 16V 01/2002...12/2007 | Avenir 2.0 09/2001... | Bassara 2.5 06/2002...08/2003 | Primera 2 2.5 jan/02 | Sentra 2.5 01/2002... | Sentra 2.5 Sedan 16V 01/2002...12/2006 | X-Trail (T30) 2 2.0 LX (103-110kW) (Alt. Hitachi 110A) 07/2001... | Xtrail (T30) 2.5 (103-110kW) (Alt. Hitachi 110A) 11/2002...

## ALTERNADOR / Alternator

**Lester:** 11119 | 11163 | 13939 - **Nissan:** 231008J000 | 23100AU00A | 23100AU400 | 23100AU40A | 23100AU40D | 23100AU420 | 23100AU424

## EQUIVALENTE / Equivalent

**Cargo:** 233989 - **Hitachi:** GD216009 | GD2160092 | GD2160093 | L110G7500 - **IKA:** 335831 - **INA:** F2322881 | F2322882 | F2322883 | F23228801 | F23228802 | F23228803 - **Luk:** 535004410 - **Nissan:** 231516N200 | 231516N20A | 231516N20B - **Ruville:** 56833 - **SKF:** VKM06200 - **WAI:** 2481107**5501****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Ford:** C Max 1.6TDCi, 2.0TDCi 02/2007... | Fiesta V 1.6 TdCi 11/2004... | Focus C Max 1.6 TdCi (66kW) 02/2005...03/2007 | Focus C Max 1.6 TdCi (80kW) 10/2003...03/2007 | Focus C Max 2.0 TdCi (100kW) 10/2003...03/2008 | Focus II 1.6 TdCi, 1.6 TDCi, 2.0 TDCi 11/2004... | Fusion 1.6 TdCi 11/2004... | Kuga 2.0 TdCi 03/2008... - **Mazda:** 3 (BK) 1.6 DI Turbo 06/2004... | 3 (BL) 1.6 MZR-CD 06/2009... - **Volvo:** C30 1.6 D, 2.0 D 10/2006... | C70 II Convertible 2.0 D jan/08 | S40 II 1.6 D, 2.0 D, 2.0 D4 01/2004... | V50 1.6 D, 2.0 D 01/2004... | V70 III 2.0 D 10/2007...

## ALTERNADOR / Alternator

**Denso:** 1042103513 - **Ford:** 1229258 | 1477737 | 3M5T10300PB | 3M5T10300PC | 3M5T10300PD - **Lester:** 20392 | 20674 | 20917 | 23820 | 23821 - **Mazda:** Y60118300  
**Volvo:** 30795422AA | 30795423AA

## EQUIVALENTE / Equivalent

**Cargo:** 237610 - **Denso:** 1042103511 | 1042103512 - **IKA:** 353961 | 354251 - **INA:** F568861 | F56886101 | F56886102 - **Koyo:** DCA1834IR - **Luk:** 535018110 - **SKF:** VKM 03400 - **Valeo:** A634825A - **Volvo:** 8666579 | 30667067 - **WAI:** 2482115

**5502****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Toyota:** Alphard 2.4, 2.4 4WD 09/2003... | AZ 2.4L Gas - Worldwide | Camry (V30) 2.4 VVT-i, 2.4 VVTi LE 11/2001... | Camry (V40) 2.4 VVTi Hybrid, 2.4 VVTi LE 01/2006... | Camry Solara 2.4 04/2000... | Matrix, RAV 4, Solara | Previa 2.4, 2.4 16V, 2.4 Hybrid 08/2000... | RAV 4 [Sport Utility] 2.4 16V 01/2004...12/2006 | RAV 4 II 2.4 VVTi 08/2003...01/2006 | RAV 4 III 2.4 VVTi, 2.4 VVTi 4WD 11/2005... | Tarago 2.4, 2.4 VVTi 02/2000...

**ALTERNADOR / Alternator**

**Denso:** 1042104660 | 1042104790 | 1042104810 | 1042104811 | 1042104880 | 1042104881 - **Lester:** 11195 | 11201 | 24020 - **Toyota:** 270600H110 | 270600H111 | 2706028300 | 2706028320 | 2706028321 | 2706028340 | 2706028341

**EQUIVALENTE / Equivalent**

**Cargo:** 330850 - **Gates:** OAP7017 - **IKA:** 353781 - **Litens:** 920802 - **Luk:** 535019810 - **Toyota:** 274150W040 | 274150W041 | 274150W040A | 274150W040B | 274150W040C - **WAI:** 2482291

**5503****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Lexus:** ES 350 [Sedan] 3.5 24V 01/2007...12/2010 | GS 3 4.3 VVTi, 430, 450h, 460 04/2005... | IS 250 [Sedan] 2.5 24V 01/2006...12/2010 | IS 250, 220 d 10/2005... | IS 350 [Sedan] 3.5 24V 01/2006...12/2010 | RX 3.3, 300, 350, 400h, 450h 04/2003... | RX 330 [Sport Utility] - 3.3 24V 01/2004...12/2006 | RX 350 [Sport Utility] - 3.5 24V 01/2007...12/2010 - **Toyota:** 4 Runner 4.0 VVTi 08/2002...08/2004 | Alphard 3.5, 3.5 4WD 04/2008... | Aurion 3.5 03/2006... | Avalon 3.5 VVTi 10/2004... | Avalon [Sedan] 3.5 24V 01/2005...12/2006 | Camry (V30) 3.5 VVTi XLE 01/2006... | Camry [Sedan] 3.5 24V 01/2007...12/2007 | Crown 3.0 09/2004... | Estima 3.5, 3.5 4x4 11/2006... | Hiace 2.7 01/2005... | Kluger 3.5 08/2007... | Land Cruiser 4.0 (179kW) 09/2002...08/2004 | Land Cruiser 4.0 (183kW) 01/2003... | Land Cruiser 4.0 V6 Dual VVTi, 4.0 V6 VVTi, 4.0 V6 VVT-i 01/2010... | Previa 3.5 11/2006... | RAV 4 3.5 VVTi 11/2005... | Tarago 3.5 11/2006... | Vanguard III 3.5 4WD 08/2007... | Vanguard III 3.5 VVTi 11/2005... | Vellfire 3.5, 3.5 4WD 04/2008...

**ALTERNADOR / Alternator**

**Denso:** 1042102050 | 1042102051 | 1042104470 | 1042104571 | 1042104680 - **Lester:** 11136 | 11137 | 11196 | 11323 | 11325 | 11326 | 11514 | 11517 | 14072 - **Lexus:** 270600P140 | 270600P141 | 270600P150 | 270600P151 | 270600P240 | 270600P241 | 2706031040 | 2706031041 | 2706031042 | 2706031050 | 2706031051 | 2706031052 | 2706031060 | 2706031061 | 2706031062 | 2706031201 | 2706031211 - **Toyota:** 270600P130 | 270600P140 | 270600P141 | 270600P180 | 270600P181 | 270600P182 | 270600P183 | 270600P190 | 270600P191 | 270600P192 | 270600P193 | 2706031030 | 2706031031 | 2706031070 | 2706031071 | 2706031072 | 2706031080 | 2706031081 | 2706031082 | 2706031100 | 2706031101 | 2706031102 | 2706031110 | 2706031111 | 2706031112 | 2706031160 | 2706031161 | 2706031162 | 2706031180 | 2706031190 | 2706075350 | 2706075380

**EQUIVALENTE / Equivalent**

**Cargo:** 333062 - **Gates:** OAP7078 - **IKA:** 354151 - **Lester:** 79909052 - **Litens:** 920726 | 920954 - **Luk:** 535020910 - **Toyota:** 274150W010 | 274150W130 | 274150W010A | 274150W010B | 274150W010C | 274150W130A - **WAI:** 2482290

**5504****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Ford:** Galaxy 2 2.0 Flexifuel 05/2006... | Mondeo IV 2 2.0 Flexifuel 03/2007... | S Max 2 2.0 Flexifuel 05/2006... - **Volvo:** S80 II 2.0 FlexFuel 01/2008... | V70 III 2 2.0 FlexFuel 10/2007...

**ALTERNADOR / Alternator**

**Bosch:** 0121615006 - **Ford:** 1379699 | 1388002 | 1469391 | 6G9N10300ABA | 6G9N10300ABB | 6G9N10300ABC - **Lester:** 24003 - **Volvo:** 30667295 | 36000220

**EQUIVALENTE / Equivalent**

**Bosch:** 01211AD0BC | F00M349810 | F00M391112 | F00M391138 - **Cargo:** 330356 - **IKA:** 353361 - **INA:** F553393 | F5533931 | F5533932 | F55339301 | F55339302 - **Luk:** 535012510 - **Ruville:** 59912 - **SKF:** VKM03411 - **Volvo:** 30667610 - **WAI:** 2491305

**5505****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Jetta III (1K2) 2.5 FSI 07/2008...10/2010 | Jetta IV (162) 2.5 FSI 04/2010... | New Beetle 2.5 Turbo 07/2005... | New Beetle Convertible 2.5 07/2005...

**ALTERNADOR / Alternator**

**Bosch:** 0124525095 | 0124525103 - **Lester:** 11460 - **Volkswagen:** 07K903023C | 07K903023CX

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147859 | F00M991234 | F00M991286 - **Cargo:** 235507 - **IKA:** 353431 - **INA:** F551357 | F55135701 - **Lester:** 11460 - **Luk:** 535011310 - **Ruville:** 59939 - **SKF:** VKM03124 - **WAI:** 2491298

**5506****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Case:** MXU100, MXU110 4-274 Diesel 2004...2005 | MXU115, MXU 135 6-411 Diesel 2003...2006 | MXU125 6-411 Diesel 2003...2005 - **Ford:** Transit Bus 2.3 16V (FD, FB, FS, FZ, FC) 08/2000...05/2006 | Transit Van 2.3 (FA, FM, FN) 03/2001...03/2006 | Transit Van 2.3 16V (FA) 04/2001...05/2006 | Transit Van 2.3 16V (FM, FN) 04/2001...05/2006  
**New Holland:** TS100A 4.5 2003...2005

**ALTERNADOR / Alternator**

**Ford:** 1C1T10300BB - **Lester:** 12740 - **Lucas Indiel:** LRA02861 - **Magneti Marelli:** 6321743 - **Remy:** DRA0775

**EQUIVALENTE / Equivalent**

**Cargo:** 235476 - **IKA:** 335631 - **INA:** F234359 | F2343593 | F23435903 | F55201601 | F55201603 - **Luk:** 535003710 - **WAI:** 2493253

**5507****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** 200 2.4 2011...2012 | Sebring 2.4 2007... - **Dodge:** Avenger 2.0 1999... | Avenger 2.4 2008... | Caliber 1.8, 2, 2.4 2007... | Caliber 2.4 Turbo 2008... | Journey 2.4 2009...2011 - **Fiat:** Freemont - **Jeep:** Compass 2.4 2007...2008 | DC World Engines 1.8L/2.0L/2.4L/2.4 turbo 4cyl Gas | Patriot 2.4 2007...2008 - **Subaru:** Crosstrek H4 2.0L 1995cc 2015 | Forester (SK) 04/2018... | Forester 2.0 AWD (SHJ) 01/2010... | Forester 2.0 AWD (SJM) 206 04/2015... | Forester 2.0 Hybrid AWD (SKE) 107 04/2018... | Forester 2.0 i AWD (SJM) 109 11/2012... | Forester 2.0 XT AWD (SJM) 177 03/2013... | Forester 2.0 XT AWD 186 03/2013... | Forester SH 110 12/2007... | Forester SJ 11/2012... | Impreza 2.0 (GP6) 110 01/2012... | Impreza 2.0 AWD (GP7) 110 01/2012... | Impreza 2.0 Hybrid AWD (GPE) 110 04/2016...09/2016 | Impreza Combi 2.0 AWD 110 09/2011... | Impreza Hatchback (GP\_) 10/2011... | Impreza Hatchback (GT\_) 10/2016... | Impreza Hatchback 2.0 i (GT6) 113 10/2016... | Impreza Hatchback 2.0 i AWD (GT7) 113 10/2016... | Impreza Três volumes (GJ\_) 07/2011... | Impreza Três volumes (GK\_) 10/2016... | Impreza Três volumes 2.0 AWD (GJ7) 110 07/2011... | Impreza Três volumes 2.0 AWD 200 07/2014... | Impreza Três volumes 2.0 i AWD (GK7) 113 10/2016... | Impreza H4 2.0L 1995cc 2015...2016 | Legacy V (BM) 05/2009... | Legacy V 2.0 GT AWD (BM5) 221 06/2014...12/2014... | Legacy V 2.5 AWD (BMM) 129 09/2013... | Legacy V 2.5 i AWD 129 01/2010...12/2014... | Legacy V Combi (BR) 06/2008...12/2014 | Legacy V Combi 2.0 i AWD 110 06/2012...12/2014 | Legacy V Combi 2.5 i AWD (BRM) 127 07/2012...12/2014 | Legacy VI (BN, BS) 01/2015... | Legacy VI 2.0 DIT AWD 177 11/2015... | Legacy VI 2.5 i AWD (BN9) 129 01/2015... | Levorg 1.6 AWD (VM4) 125 09/2015... | Levorg 2.0 AWD (VMG) 197 05/2016... | Levorg 2.0 AWD (VMG) 221 03/2015... | Outback (BR) 06/2009... | Outback (BS) 10/2014... | Outback 2.5 AWD (BS9) 129 03/2015... | Outback BR 2.5 i AWD (BRM) 125 01/2013... | Outback BR 2.5 i AWD 130 07/2014... | Outback BS 2.5 AWD 127 10/2014... | WRX 2.0 AWD (GK6, GK8) 197 09/2013... | WRX 2.0 AWD 221 04/2016... | WRX Três Volumes (GJ) 07/2011... | WRX H4 2.0L 1998cc 122cid 2015...2016 | XV (GP) 09/2011... | XV 2.0 Hybrid AWD (GPE) 110 01/2014... | XV 2.0 i AWD (GP7, G33GP) 110 03/2012... | XV 2.0 i AWD 112 09/2012...

**ALTERNADOR / Alternator**

**Chrysler:** 4801323AB | 04801323AB | 4801323AC | 04801323AC | 4801323AD | 04801323AD | 04801477AA | 04801490AA - **Lester:** 11228 | 11231 | 11440 | 11869  
**Lucas Indiel:** LRA02932 - **Melco:** 9G128 | 8GM128 | 8GM135 - **Mitsubishi:** A2TJ0481 | A2TX0281 | A2TX5081 | A3TJ2581 | A2TX5081A | A2TJ0481ZC | A3TJ2581ZC | A002TX5081A | A002TJ0481ZC | A002TX0281ZC - **Remy:** DRA0392 - **Subaru:** 23700AA910 | 23700AA911 | 23700AA921 | 23700AB000 | 23752AA150

**EQUIVALENTE / Equivalent**

**Cargo:** 235873 - **Chrysler:** 04891737AB - **IKA:** 354121 - **INA:** 535031610 - **Litens:** 920054 | 920810 - **WAI:** 2483278

**5508****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 159 (939) 1.9 JTS 09/2005...11/2011 | 159 (939) 2.2 JTS 09/2005...11/2011 | 159 Sportwagon (939) 1.9 JTS 03/2006...11/2011 | 159 Sportwagon (939) 2.2 JTS 03/2006...11/2011 | Brera 2.2 JTS jan/06 | Spider 2.2 JTS set/06 - **Opel:** Signum 2.0 Turbo, 2.2 05/2003... | Vectra C, GTS 2.0 16V Turbo, 2.0 Turbo, 2.2 direct 03/2003...  
**Saab:** 42803 1.8t BioPower 03/2005... | 42803 1.8t, 1.8t BioPower, 2.0T 03/2005... | 42803 2.0t, 2.0t BioPower, 2.0 Turbo XWD 09/2002... | 9-3X 2.0T, 2.0T BioPower 02/2009...  
**Vauxhall:** Signum 2.0 Turbo, 2.2 05/2003... | Vectra MK II 2.0 16V Turbo, 2.2 direct 03/2003...

**ALTERNADOR / Alternator**

**Bosch:** 0124415025 | 0124425004 | 0124425040 | 0124425041 | 0124425053 | 0124515096 | 0986044010 | 0986044020 | 0986048070 | 0986048620 - **Lester:** 11043 | 11186 | 11255 | 23107 | 23240 | 23902 - **Opel:** 6204113 | 6204173 | 9199575 | 24415914 | 24455913 | 24455914 | 93172075 | 93172080 | 93176035 | 93190828 - **Saab:** 12755484 | 12757363

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991139 | F00M991240 | F00M991246 - **Cargo:** 235800 | 237280 - **Fiat:** 77363565 - **Gates:** OAP7062 - **General Motors/Chevrolet:** 61895226 | 93172295  
**IKA:** 335721 - **Litens:** 600796 | 920629 | 920796 - **Luk:** 535007130 | 535019110 - **Opel:** 1204376 - **Ruville:** 55374 | 59953 - **Saab:** 12786853 - **SKF:** VKM03205 - **WAI:** 2491309 | 2491313

**5509****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

**APLICAÇÃO / Application / Aplicación**

**Toyota:** Hiace IV 2.4 D-4D, 2.5 D-4D | Hilux 2.5,3.0 D-4D | Hilux SW4 3.0 | Land Cruiser 3.0 D-4D

**ALTERNADOR / Alternator**

**Denso:** 1022115670 | 1022115671 | 1022118020 | 1042103410 | 1042103411 | 2706030020 | 2706030060 | TG42109010 - **Lester:** 23313 | 23317 | 23558 - **Toyota:** 2706030060

**EQUIVALENTE / Equivalent**

**Cargo:** 236763 - **IKA:** 353791 - **Toyota:** 2706000L20

**5510****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 87

## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** A 150, A 170, A 200, A 200 Turbo 09/2004... | B 150, B 170 03/2005... | B 170 NGT, B 180 NGT 04/2008... | B 200, B 200 Turbo 03/2005...

## ALTERNADOR / Alternator

**Lester:** 23886 - **Mercedes Benz:** 2661540902 | 2661541202 | 2661541302 | 266154090215A

## EQUIVALENTE / Equivalent

**Cargo:** 238339 - **Febi:** 27841 - **Gates:** OAP7064 - **IKA:** 353661 - **INA:** F239973 | F2384192 | F23997301 | F23997302 | F23997303 | F23997304 | F23997305 - **Luk:** 535012910 - **Mercedes Benz:** 2661550115 - **SKF:** VKM03818 - **Valeo:** 593977 | 2601991 - **WAI:** 2494268**5511****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 88

## APLICAÇÃO / Application / Aplicación

**Mazda:** Altanza 2.0, 2.3 | Mazda 3 (BK) 1.6 10/2003...06/2009 | Mazda 3 (BL) 1.6 MZR 06/2009... | Mazda 3 Saloon (BK) 1.6 02/2004... | Mazda 3 Saloon (BL) 1.6 MZR 06/2009... | Mazda 6 (GG) 1.8, 2, 2.3 08/2002...08/2007 | Mazda 6 (GG) 2.3 07/2003...02/2005 | Mazda 6 Hatchback (GG) 1.8, 2, 2.3 08/2002...08/2007 | Mazda 6 Station Wagon (GY) 1.8, 2, 2.3 08/2002...08/2007 | Mazda 6 Station Wagon (GY) 2.3 AWD 11/2002...08/2007 - **Nissan:** Micra IV (K13) 1.2 DIG 04/2011...

## ALTERNADOR / Alternator

**Citroën:** 5705KA - **Lester:** 11556 | 13996 - **Mazda:** L8Y018330 | LF1818300 | Z66818300 | Z66818300A - **Mitsubishi:** 1800A053 | 1800A121 | 1800A155 | 1800A288 | 1800A388 | 1800A452 | 1800A459 | A3TG3181 - **Nissan:** 231003HD1B | 231003HN1A | 231003HN1B | 231003VS1A | 231003VS5M | 231513HD1A - **Subaru:** 23700AA791 | 23700AB030

## EQUIVALENTE / Equivalent

**Cargo:** 235424 - **Gates:** OAP7063 - **IKA:** 353321 - **INA:** F238163 | F577572 | F23816301 | F23816302 | F23816303 | F23816304 | F55256201 - **Luk:** 535009410 | 535024610 - **Mazda:** LF1818330 | LW1818W11 | LF1818330A - **Melco:** A628X92171 - **WAI:** 2483281**5512****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Dacia:** Logan 1.5 dCi (KS0K) 02/2007... | Logan 1.5 dCi (LS0J, LS0Y) 09/2005... | Logan 1.5 dCi (LS0K) 01/2006... | Logan Express 1.5 dCi (FS0K) 03/2009... | Logan Pick Up 1.5 dCi (US0K) 03/2008... | Sandero 1.5 dCi 11/2008... - **Renault:** Clio II 1.5 dCi 11/2003... | Clio Mk II 1.5 D 08/2004... | Clio Mk II 1.5 dCi (B/CB03) 06/2001...10/2003 | Clio Mk II 1.5 dCi (B/CB3N) 02/2007... | Kangoo 1.5 dCi 06/2005... | Twingo 1.5 dCi (CN0E) mar/07 | Twingo 1.5 dCi (CN0U) abr/08

## ALTERNADOR / Alternator

**Lester:** 24251 - **Lucas Indiel:** LRA03291 - **Mitsubishi:** A2TC0982 - **Remy:** DRA0478

## EQUIVALENTE / Equivalent

**Cargo:** 330339 - **IKA:** 353581 - **INA:** F55037902 - **Luk:** 535011410 - **Melco:** A252C54375 - **WAI:** 2483279**5513****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Toyota:** Toyota Land Cruiser 3.0 D-4D 10/2000...

## ALTERNADOR / Alternator

**Denso:** 1042104450 - **Lester:** 23313 | 23317 | 23558

## EQUIVALENTE / Equivalent

**IKA:** 353821 - **Toyota:** 2706030080**5514****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 88

## APLICAÇÃO / Application / Aplicación

**Audi:** A3 1.6, 2.0 TDI set/12 | A3 3.2 Sportback quattro 07/2003... | A4 2.0 TDI quattro, Coupé, Sportback 04/2009... | A5 2.0 TDI Cabriolet, Sportback 08/2008... | A6 2.0 TDI, Avant 07/2004... | Q5 2.0 TDI 11/2008... | TT 3.2 V6 10/2006... - **Seat:** Cordoba, Ibiza 1.4 TDI | Exeo 2.0 TDI 12/2008... | Ibiza 1.4 TDI 06/2005... | Ibiza V 1.2, 1.4 TDI, 1.9 TDI 07/2008... - **Skoda:** Fabia 1.4 TDI 02/2007... | Roomster 1.4 TDI | Superb 1.9 TDI, 2.0 TDI 03/2008... | Superb 2.0 TDI 16V 01/2009... | Superb 3.6, 3.6 V6 11/2008...**Volkswagen:** Amarok 2.0 TDI, 2.0 TDI 4motion, 2.0 BiTDI, 2.0 BiTDI 4motion 09/2010... | California T5 2.0 TDI | Caravelle T5 2.0 TDI | Eos 2.0 FSI 03/2006...05/2008 | Eos 2.0 TDI 06/2006...05/2008 | Eos 3.2 FSI 06/2006... | Eos 3.6 V6 05/2009... | Fox 1.4 TDI (Alt.045903023C) 04/2005... | Golf V 3.2 09/2005... | Golf V 3.2 R32 4motion 11/2005... | Multivan T5 2.0 TDI, 2.0 BiTDI, 2.0 BiTDI 4motion, 2.0 TDI, 2.0 TDI 4motion 09/2009... | Multivan T5 2.0 TDI, 2.0 TDI 4motion 05/2010... | Passat 3.2 FSI 4motion 11/2005... | Passat 3.6 FSI, 3.6 FSI 4motion, 3.6 R36 4motion 06/2005... | Passat CC 3.6 4motion 06/2008... | Passat, Passat Variant 3.6 FSI 4motion 01/2011... | Polo 1.4 TDI 04/2005... | Polo 1.9 TDI 10/2001... | Transporter T5 2.0 BiTDI, 2.0 BiTDI 4motion, 2.0 TDI, 2.0 TDI 4motion 09/2009... | Transporter T5 2.0 TDI 09/2009... | Transporter T5 2.0 TDI, 2.0 TDI 4motion 05/2010...

**5514****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator**

**Bosch:** 0121715042 | 0121715049 | 0121715077 | 0121715142 | 0121715177 | 0124315037 | 0124325141 | 0124325142 | 0124325190 | 0124515067 | 0124525146 | 0124525530 | 0125525114 | 0125525146 | 0125711034 | 0125711081 | 0125811008 | 0125811035 | F000BL0800 | F000BL08A0 - **Lester:** 11425 | 11463 | 11714 | 20017 | 20304 | 20412 | 20644 | 20730 | 20731 | 20798 | 20836 | 23827 | 20017A | 2205682 - **Seat:** 3R0903023 - **Valeo:** FG18T062 | FG20S014 | FG20S016 | TG14C020 | TG14C023 | TG14C034 | TG14C043 | TG14C068 | TG15C149 | TG15C165 - **Volkswagen:** 03C903023B | 03G903016F | 03G903016G | 03G903016L | 03G903023F | 03L903023Q | 03L903024R | 03L903024S | 045903023C | 045903023D | 045903023H | 06F903023D | 06F903023L | 06F903023M | 06F903023N | 06F903023P | 03L903024SX

**EQUIVALENTE / Equivalent**

**Audi:** 03G903119B - **Bosch:** F00M147876 | F00M991247 | F00M991287 | F00M991932 | F00MA47723 - **Cargo:** 235695 - **IKA:** 353441 - **INA:** F55140601 | F55140602 | F55140603 | F55140604 | F55140605 | F55140607 | F55140608 - **Luk:** 535012410 - **SKF:** VKM03112 - **Valeo:** 588016 | 2604787 | 2618124 - **Volkswagen:** 045903119 | 045903119A - **WAI:** 2491304

**5515****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Porsche:** 911 (221kW) 3.4 Carrera, 3.4 Carrera 4 09/1997...09/2001 | 911 (235-254kW) 3.6, 3.6 Carrera, 3.6 Carrera 4 10/2001...08/2005 | 911 (235kW) 3.4 Carrera, 3.4 Carrera 4 05/2001...08/2005 | 911 (242-335kW) 3.6 Carrera S, 3.6 GT2 01/1998...08/2005 | 911 (331kW) 3.6S 08/2004...08/2005 | 911 3.6 Carrera, 3.6 Carrera 4, 3.8 Carrera S, 3.8 Carrera 4S jul/04 | 911 3.6 GT2 set/07 | 911 3.6 Turbo mar/06 | Boxster 2.7 (162kW) 08/1999...07/2002 | Boxster 2.7 (176kW), S3.2 (206kW) 11/2004... | Boxster 2.7 (180kW), S3.4 (217kW) 07/2006... | Boxster 2.7 24V (168kW), S3.2 (191kW) jul/02 | Boxster S 3.2 (185kW) 08/1999...07/2002 | Boxster S 3.2 (196kW) 01/2004... | Cayman 2.7 (180kW) 07/2006... | Cayman S 3.4 Sport, S3.4 (217-223kW) 11/2005...

**ALTERNADOR / Alternator**

**Bosch:** 0124515001 | 0124515015 | 0124515042 | 0124515073 | 0124525056 | 0124525057 | 0124525107 | 0986043690 | 0986046520 | 0986047140 | 0986048090  
**Lester:** 11041 | 11130 | 11337 | 20416 - **Porsche:** 91660301200 | 91660301201 | 99660301200 | 99660301201 | 99660301202 | 99660301203 | 99660301204 | 99660301205 | 99760300203 | 99760301201 | 99760301203 | 99760301205 | 99760301207 | 99760302200 | 99760302201 | 99760302203 | 99760302205

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147735 | F00M991105 | F00M991305 - **Cargo:** 230315 - **IKA:** 335451 - **INA:** F233525 | F23352501 | F23352504 | F23352505 - **Luk:** 535002510  
**Porsche:** 99660315250 | 99760315400 - **SKF:** VKM03850 - **WAI:** 2491103

**5516****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Volvo:** S40 I (100-147kW) 1.9 T4, 2.0 16V, 2.0 T, 2.0 T4 07/1995...12/2003 | S40 I (77-90kW) 1.6 16V, 1.8 16V 07/1995...12/2003 | S40 I (90kW) 1.8i 06/2001...12/2003 | S40 I (92kW) 1.8i 03/1998...12/2003 | V40 1.6, 1.8, 1.8 Bi-Fuel, 1.8 Blu-Fuel, 1.9 T4, 1.9 DI, 1.9 TD, 2.0 T, 2.0 T4 07/1995...06/2004 | V40 1.8i ano 03.98-06.04

**ALTERNADOR / Alternator**

**Bosch:** AL9409X - **Denso:** 1022110500 | TN1022110500 - **Lester:** 13845 - **Volvo:** 8601699 | 9472908

**EQUIVALENTE / Equivalent**

**Cargo:** 230314 | 332298 - **Dayco:** ALP2383 - **Denso:** 0210400970 - **Gates:** OAP7059 - **IKA:** 335391 - **INA:** F231108 | F23110801 | F23110802 - **Lester:** 79909045  
**Luk:** 535002410 - **SKF:** VKM03652 - **Volvo:** 9472909 | 30782701 - **WAI:** 2482275

**5518****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Fiat:** Doblo 1.8 sem AC 2002... | Palio 1.8 sem AC 2002... | Stilo 1.8 sem AC 2002... - **General Motors/Chevrolet:** Meriva 1.8 sem AC, com DH 10/2002...

**ALTERNADOR / Alternator**

**General Motors/Chevrolet:** 93396398 - **Valeo:** 439514 | 2220158 | SG7S027

**EQUIVALENTE / Equivalent**

**INA:** F237985 - **Valeo:** 493803

**5519****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Dodge:** RAM 2500 5.9 24V Diesel 01/2007...12/2007 | RAM 2500 (Crew Cab Pick Up) 5.9 24V Diesel 01/2003...12/2006 | RAM 2500 (Extended Crew Cab Pick Up) 5.9 24V Diesel 01/2006...12/2006 | RAM 2500 [Standard Cab Pick Up] 5.9 24V Diesel 01/2006...12/2006 | RAM 3500 5.9 24V Diesel 01/2007...12.07 | RAM 3500 (Extended Crew Cab Pick Up) 5.9 24V Diesel 01/2006...12/2006

**ALTERNADOR / Alternator**

**Bosch:** 0124525105 | 0124525106 | 0124525107 | 0124525129 | 0124525154 | 0124525156 - **Dodge:** 04801475AA | 04801475AB - **Lester:** 11235 | 11239

**5519****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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EQUIVALENTE / Equivalent

**Bosch:** F00M991252 - **Cargo:** 235439 - **Chrysler:** 51383490AA | 53034049AA - **IKA:** 353271 - **INA:** F5562342 | F55623401 | F55623402 - **Luk:** 535009910 - **Porsche:** 99760302200 | 99860302201 | 99860302204 - **WAI:** 2491109**5520****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Chrysler:** Pacifica 3.8L V6 - Gas 2005...2008

ALTERNADOR / Alternator

**Chrysler:** 4869400AB | 4869900AC | 04869900AC - **Lester:** 11115 | 11229 | 20082 - **Mitsubishi:** 8GM140A | A3TJ0381 | A3TJ03881ZC | 8General Motors140A

EQUIVALENTE / Equivalent

**Cargo:** 39555 - **Chrysler:** 39555 | A252C5221C - **IAT:** 39555 - **Lester:** 11115 - **Litens:** 920768**5521****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Cobalt SS L4 2.0L 2004...2007 - **Saturn:** Ion Red Line L4 2.0L 2004...2007

ALTERNADOR / Alternator

**Bosch:** AL8821X - **Denso:** SC2160A | 1042104140 | 1042104410 - **General Motors/Chevrolet:** 22727494 | 22731358 - **Lester:** 11109

EQUIVALENTE / Equivalent

**Denso:** 0210401370 - **General Motors/Chevrolet:** 22732028 - **Lester:** 11109 - **Litens:** 920762**5522****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Nissan:** Frontier (D40) 2.5L 4CYL Turbo Diesel 07/2005...03/2008 | Navara (D40) 2.5L 4CYL Turbo Diesel 07/2005...03/2008

ALTERNADOR / Alternator

**Lester:** 20553 | 23917 - **Lucas Indiel:** LRA03093 - **Nissan:** A3TG2681 | 23100EB310 | 23100EB31A | A3TG2681AE | A3TG2681ZE - **Remy:** DRA0432

EQUIVALENTE / Equivalent

**Nissan:** 23151EB301 - **WAI:** 2483287 | 2483291**5523****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Renault:** Laguna II, Grandtour 1.9 dCi (Alt. Bosch 150A) jan/03 | Megane II 1.9 dCi (Alt. Bosch 150A) 11/2002...

ALTERNADOR / Alternator

**Bosch:** 0124325047 | 0124325096 | 0986046280 - **Lester:** 23356 | 23357 | 23368 - **Renault:** 8200229907

EQUIVALENTE / Equivalent

**Bosch:** F00M147957 | F00M991178 | F00M991314 - **Cargo:** 237355 - **Gates:** OAP7109 - **IKA:** 353091 - **INA:** F238120 | F23812001 | F23812002 - **Luk:** 535008810**SKF:** VKM03611 - **Visnova:** 854274 - **WAI:** 2491294**5524****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Ford:** Focus 2.0L, 2.3L W/MT 2005...2006 | Focus (Sedan) 2.3 16V ano 01.03-12.07 01/2003...12/2007 | Focus (Sedan/Hatchback/Wagon) 2.0 16V ano 01.05-12.07 01/2005...12/2007 | Focus 2, Schrägheck 2.0 05/2005...03/2009 | Focus ST170 03/2002...11/2004 | Focus ST170 09/2002...11/2004

ALTERNADOR / Alternator

**Ford:** 1097304 | 1301496 | 2M5V10300AA | 2M5Z10346AB | 2MSU10300AA | 4S4T10300BA | 4S4T10300BC | 4S4T10300BD | 4S4Z10346BA | 4S4Z10346BB | 5S4T10300BB | 5S4T10300BD | 5S4Z10346BA - **Lester:** 8407 | 8418

EQUIVALENTE / Equivalent

**Ford:** VP2M5UAA - **Gates:** OAP7105 - **IKA:** 353541 - **INA:** F235931 | F23593102 | F23593103 - **Luk:** 535010010 - **SKF:** VKM03413 - **Visteon:** VP2M5U10A352AA | VP6S4U10A352AA - **WAI:** 242286



**5525****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Renault:** Clio Grandtour 1.5 dCi | Clio II (50kW) 1.5 D, 1.5 dCi 02/2008... | Clio II (74kW) 1.5 dCi 01/2004... | Clio III (47-78kW) 1.5 dCi 05/2005... | Grand Modus 1.5 dCi | Modus (48-63kW) 1.5, 1.5 dCi (Alt. Bosch 82 00 360 480 120A) 12/04... | Modus (76kW) 1.5 dCi (Alt. Bosch 120A) 05/2007... | Modus (78kW) 1.5 dCi (Alt. Bosch 82 00 360 480 120A) 05/2005...

**ALTERNADOR / Alternator**

**Bosch:** 0124425029 | 0124425071 | 0124525069 | 0986049030 - **Lester:** 23819 - **Renault:** 8200360480 | 8200360481

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147806 | F00M147976 | F00M991217 | F00M991326 - **IKA:** 353101 - **INA:** F55021301 | F55021303 | F55021304 | F55021307 | F55021310 - **Luk:** 535008910 - **Ruville:** 55626 - **SKF:** VKM03605 - **WAI:** 2491317

**5526****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Renault:** Space IV 3.0 dCi 11/2002... | Vel Satis (130kW) 3.0 Cdi 06/2002... | Vel Satis (133kW) 3.0 Cdi 06/2006... - **Saab:** 9-5 3, TiD

**ALTERNADOR / Alternator**

**Bosch:** 0124525019 - **Denso:** 1042103180 | 1042103370 - **General Motors/Chevrolet:** 5350087 - **Isuzu:** 8973089961 | 8973614210 | 8980337860 - **Lester:** 20333 | 23897 - **Renault:** 7701066397 | 7701066399 | 8200660033 - **Saab:** 5350087

**EQUIVALENTE / Equivalent**

**Denso:** 8980337360 - **IKA:** 353021 - **INA:** F2284112 | F22841102 | F22841104 - **Isuzu:** 8972293660 | 8980337360 - **Luk:** 535003810 - **Opel:** 97229366 - **Renault:** 7701066401 - **Saab:** 5340393 - **WAI:** 2491281

**5527****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Mazda:** 3 2.0 MZR-CD 12/2006... | 3 2.2 MZR-CD 06/2009... | 5 2.0 03/2005... | 5 2.0 CD 06/2005... | 6 2.0 CiTD, 2.0 DI 06/2002... | 6 2.2 MRZ-CD 01/2009... | Atenza 2.0 DI 08/2002... | CX-7 2.2 MZR-CD 09/2009... | MPV II 2.0 DI 07/2002...

**ALTERNADOR / Alternator**

**Isuzu:** 8980337880 - **Lester:** 11836 | 23309 | 23945 - **Mazda:** RF5C18300 | RF5C18W11 | RF8G18300 | R2AA18300A | R2AA18300B | RF7J18300A | RF8G18300A  
**Melco:** A3TB4981 | A3TB6581 | A003TB4981

**EQUIVALENTE / Equivalent**

**Cargo:** 238068 | 332313 - **Dayco:** ALP2372 - **Gates:** OAP7071 - **IKA:** 353531 - **INA:** F236001 | F23600101 | F23600102 - **Luk:** 535004910 - **Mazda:** RF5C18330 | RF5C18W11 | RF5C18330A - **Mitsubishi:** A628X92071 - **SKF:** VKM06403 - **WAI:** 2483276

**5528****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 159 1.9 JTDM 16V, 1.9 JTDM 8V 09/2005... | 159 2.0 JTDM 05/2009... | Brera 2.0 JTDM 05/2009... | Mito 1.6 JTDM 09/2008... | Spider 2.0 JTDM 05/2009... - **Fiat:** Bravo (110kW) 1.4 T-Jet 09/2007... | Bravo (66-88kW) 1.4, 1.4 T-Jet abo 04/2007... | Bravo (66kW) 1.9 D Multijet 04/2007... 12/2008 | Bravo (88/110kW) 1.9 D Multijet 04/2007... | Bravo 1.6 D Multijet 03/2008... | Bravo 2.0 D Multijet set/08 | Croma 1.9 D Multijet jun/05 | Doblo 1.6 D 16V Multijet, 1.6 D Multijet, 2.0 D Multijet 02/2010... | Grand Punto 1.9 D Multijet 10/2005... | Idea 1.9 JTD 01/2004... | Linea 1.6 D Multijet 06/2009... | Punto 1.9 JTD 06/2003... | Punto Evo 1.6 D Multijet 10/2009... | Ritmo 1.6 D, 2.0 D Multijet 03/2008... | Ritmo 1.9 D Multijet 04/2007... | Stilo 1.9 D Multijet 09/2005... | Stilo 1.9 D, 1.9 JTD (192AXS1B, 192BXS1B) 09/2004... | Stilo 1.9 JTD 02/2002... - **Lancia:** Delta III 1.6/2.0 Multijet 09/2008... | Musa 1.6 D Multijet 07/2008... | Musa 1.9 Multijet 10/2004... - **Saab:** 42803 1.9 TiD, 1.9 TTiD 09/2004... | 42864 1.9 TiD (Alt. Denso 140A) 01/2006...

**ALTERNADOR / Alternator**

**Bosch:** 0124425013 - **Denso:** 1012100160 | 1012100161 - **Fiat:** 51727338 | 51727339 | 51764265 | 51793678 | 51854901 | 51854902 | 51859058 - **Lester:** 20357 | 23112 - **Renault:** 8200325823 | 8200390675 - **Saab:** 12759595

**EQUIVALENTE / Equivalent**

**Alfa Romeo:** 77364725 - **Cargo:** 237817 | 330287 - **Denso:** 1210411140 | MS1210411140 - **Febi:** 31541 - **Fiat:** 77363948 - **Gates:** OAP7052 - **IKA:** 353571 - **INA:** F238822 | F23882201 | F23882202 - **Luk:** 535011210 - **Saab:** 12759596 - **SKF:** VKM03204 - **Swag:** 70931541 - **Visnova:** 854180

**5529****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** Sprinter 2-t 212 D 02/1995...04/2000 | Sprinter 3-t 312 D 2.9 02/1995...04/2000 | Sprinter 4T 412 D 02/1996...05/2006 | Vario 612D, 614D, 812D, O812 09/1996... - **Ssangyong:** Actyon | Actyon Sports | Kyron 2.7 Xdi 05/2005... | Rexton 2.7 Xdi 08/2004... | Rodius 2.7 Xdi 05/2005... | Stavic 2.7 270 sXDi 02/2005...

**ALTERNADOR / Alternator**

**Bosch:** 0123320049 | 0124510072 | 0986040800 - **Lester:** 13811 - **Mercedes Benz:** 101546402 | 101546502

**5529****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**EQUIVALENTE / Equivalent**

**Bosch:** 1126601580 | F00M991393 - **Cargo:** 235478 - **Dayco:** ALP2381 - **Delphi:** 220682 - **Febi:** 28387 - **IKA:** 335601 - **INA:** F226387 | F239662 | F2263877 | F22638704 | F22638705 | F22638707 | F22638708 | F22638709 | F22638710 | F23966201 - **Luk:** 535005110 | 535013410 - **Mercedes Benz:** 6041500460 | 6041500660

**Quinton Hazel:** RSE103 | 1010103 - **Ssangyong:** 66215531A5 | 6621553315 - **Triscan:** 8641104017 - **WAI:** 2491283

**5530****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación**

**Opel:** Astra G 2.0 16V Turbo, 2.0 OPC 11/2002...10/2005 | Astra H 2.0 Turbo 03/2004... | Astra H GTC 2.0 Turbo 03/2005... | Zafira 2.0 07/2005... | Zafira 2.0 OPC 11/02...06/2005 - **Vauxhall:** Astra Mk V 2.0 Turbo 03/2004... | Zafira Mk II 2.0 07/2005...

**ALTERNADOR / Alternator**

**Bosch:** 4824 | 0124425015 | 0986048240 - **General Motors/Chevrolet:** 93180419 | 93189248 - **Lester:** 23847 - **Lucas Indiel:** LRA2847 | LRA02847 - **Opel:** 5204246 | 6204195 | 9512182 | 13156054 | 38189248 | 93189268 - **Vauxhall:** 5204246 | 9512182 | 38189248 | 93189268 | R1530084

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991210 - **Cargo:** 331925 - **Gates:** OAP7088 - **General Motors/Chevrolet:** 55352897 - **IKA:** 335921 - **Litens:** 920755 - **Luk:** 535019010 - **Opel:** 1204393

**SKF:** VKM03507 - **WAI:** 2491312

**5532****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación**

**Opel:** Astra H 1.9 CDTi (Alt. Bosch 120/140A) 04/2004... | Astra H GTC 1.9 CDTi (Alt. Bosch 120/140A) 03/2005... | Signum 1.9 CDTi (Alt. Bosch 120/140A) 04/2004... | Vectra C / GTS 1.9 CDTi (Alt. Bosch 120/140A) 10/2005... | Zafira 1.9 CDTi (Alt. Bosch 120/140A) jul/05 - **Saab:** 42803 1.9 TiD (Alt. Bosch 120/140A) 01/2006... - **Vauxhall:** Astra Mk V 1.9 CDTi, 1.9 CDTi 16V, 1.9 LE 04/2004... | Signum 1.9 CDTi, 1.9 CDTi 16V 04/2004...08/2005 | Vectra Mk II 1.9 CDTi, 1.9 CDTi 16V 04/2004...07/2008 | Zafira Mk II 1.9 CDTi jul/05

**ALTERNADOR / Alternator**

**Bosch:** 0124325172 | 0124325221 | 0124425058 | 0124425059 | 0124425096 | 0124425097 - **Lester:** 20007 | 23816 | 23817 - **Opel:** 3229990 | 13229991 | 13229992 | 13308506 | 13308507 | 13308508 | 93191921 | 93191922 - **Steyr:** 13229992

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147854 | F00M991281 | F00M992725 | F00MA47704 - **Cargo:** 330921 - **Febi:** 32297 - **Gates:** OAP7035 - **General Motors/Chevrolet:** 55564350 | 55571966 - **IKA:** 354041 - **Litens:** 600856 | 920856 - **Luk:** 535018810 - **Opel:** 1204151 | 1204175 - **Ruville:** 59950 - **SKF:** VKM03505 - **WAI:** 2491108

**5533****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Multivan T5 2.5 TDi 04/2003...11/2009 | Multivan T5 2.5 TDi 4motion 07/2004...11/2009 | Phaeton 5.0 V10 TDi 11/2002... | Touareg 2.5 R5 TDi 01/2003...05/2010 | Touareg 5.0 R50 TDi 11/2007...05/2010 | Touareg 5.0 V10 TDi 10/2002...05/2010 | Transporter V 2.5, 2.5TDi 04/2003...11/2009

**ALTERNADOR / Alternator**

**Bosch:** 0121615013 | 0121615025 | 0121615026 | 0121615029 | 0121715004 | 0121715033 | 0124615031 | 0124625013 | 0124625018 - **Lester:** 11472 | 20011 | 23321 | 23322 - **Volkswagen:** 70903024 | 70903139 | 070903024A | 070903024B | 070903024F | 070903024G | 070903024H | 070903139B | 070903139C | 070903139D | 072903021C | 072903021F | 3D0820805E | 7H0820805E | 7H0820805F

**EQUIVALENTE / Equivalent**

**Bosch:** F00M391119 | F00M991300 - **Cargo:** 236531 | 333134 - **Dayco:** ALP2382 - **Febi:** 26958 - **IKA:** 353181 - **INA:** F237653 - **Luk:** 535011810 - **Ruville:** 56328

**SKF:** VKM03115 - **Volkswagen:** 070903201C | 070903201E - **WAI:** 2491299

**5534****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**John Deere:** 5620 4.5L 2006...2009 | 6110 4.5L 1998...2001 | 6120 4.5L 2002...2005 | 6210 4.5L 1998...2001 | 6220 4.5L 2002...2005 | 6310 4.5L 1998...2001 | 6320 4.5L 2002...2005 | 6410 4.5L 1998...2001 | 6420 4.5L 2002...2005 | 6510 4.5L 1998...2001 | 6520 4.5L 2002...2005 | 6610 7.6L 1992...1995 | 6620 6.7L 2002...2005 | 6810 14.0L 1992...1997 | 6820 6.7L 2002...2005 | 6910 14.0L 1992...1997 | 6920 6.7L 2002...2005 | 7220 6.7L 2002...2006 | Máquinas Agrícolas | Tratores

**ALTERNADOR / Alternator**

**Bosch:** 0123315501 | 0124325166 | 0124515126 | 0986046007 - **John Deere:** AL111675 | AL114092 | AL166645 | AL166646 | RE204426 - **Lester:** 12370 | 12379 | 12780 | 12781 - **Lucas Indiel:** LRA1860 | LRA01860 - **Man:** 51261017237

**EQUIVALENTE / Equivalent**

**Bosch:** 1126601596 - **IKA:** 353701 - **INA:** F23337901 | F23337902 - **John Deere:** L12669 | 362D08C | L112969 | AL156091 | AL161112 | AL166836 - **Litens:** 920650

**Luk:** 535013110 - **Ruville:** 58882 - **WAI:** 2491308 | 2491310

**5535****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Astra 2.0 8V Gas./Flex 2009... | Vectra 2.0 8V Gas./Flex 2009... | Zafira 2.0 8V Gas./Flex 2009...

ALTERNADOR / Alternator

**Bosch:** 0124515189 - **General Motors/Chevrolet:** 94745270

EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 94745272**5536****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**Dodge:** Dakota 4.7L 2003...2004 - **Jeep:** Grand Cherokee 4.7L 2003...2005 | Liberty 2.4L | Liberty 3.7L 2003...2006 | Wrangler 2.4L 2003...2006

ALTERNADOR / Alternator

**Chrysler:** 56044532AA | 56044532AB | 56044532AC | 56044532AD - **Denso:** 1210004520 | 1210004540 | 1210004550 | 1210004551 - **Lester:** 11252 | 13873CP**Lucas Indiel:** LRA02850 - **Remy:** DRA0646

EQUIVALENTE / Equivalent

**Chrysler:** 53013579AA - **INA:** F236151 - **Lester:** 13873CP**5559****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**Chrysler:** Voyager III 2.5 CRD, 2.5 TD 02/2000... | Voyager III 2.8 CRD 06/2004... | Voyager IV (RG,RS) 2.5 CRD (105kW) 02/2000...12/2008 | Voyager IV (RG,RS) 2.5 CRD (88kW) 08/2005...12/2008 | Voyager IV (RG,RS) 2.8 CRD (110kW) 06/2004...16/2008

ALTERNADOR / Alternator

**Chrysler:** 04868429AB | 04868429AC | 04868429AD - **Denso:** SC2160A | 4210000081 | 4210000082 | 4210000086 | RX868429AD - **Lester:** 23830

EQUIVALENTE / Equivalent

**Cargo:** 331792 - **Chrysler:** 4861513AA | 4861513AB | 4861513AC | 4861513AD | 4861513AE | 104861513AE | K04861513AE - **Denso:** 0210401001 | 0210401040 | 0210401042 | 0210401180 | 0210401181 - **Flenor:** FGF0056 - **Gates:** OAP7083 - **IKA:** 353641 - **Litens:** 920599 - **Luk:** 535019610 - **Ruville:** 59958 - **WAI:** 2482293**5560****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 156 2.4 JTD (932B1) 09/1997...10/2000 - **Fiat:** Marea 2.4 JTD 130 04/1999... | Marea SW 2.4 JTD 130 04/1999... - **Lancia:** Kappa 2.0 20V (838AA1AA) 10/1994...10/2001 | Kappa 2.4 20V (838AC1AA, 838AC11A) 08/1994...10/2002 | Kappa 2.4 T.DS (838AE1AA, 838AH1AA) 08/1994...10/2002 | Kappa SW 2.0 16V Turbo (838BB1AA), 2.4 20V (838BC1AA, 838BC11A) 07.1996...10/2001 | Lybra SW 1.9 JTD (839BXD1A) 07/1999...09/2000

ALTERNADOR / Alternator

**Fiat:** 46748353 | 46809068 | 63321507 | 63321859 | 63377004 - **Lester:** 20539

EQUIVALENTE / Equivalent

**Fiat:** 46441617 | 83616850 | 6013887857 - **IKA:** 353151**5561****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**Citroën:** C5 2.7 HDi 02/2008... | C6 2.7 HDi 205 FAP ano 09.05- 09/2005... - **Peugeot:** 407 2.7 Hdi Coupe 10/2005... | 407 2.7 Hdi, Hdi 10/2005... | 407 SW 2.7 HDi 10/2005... | 607 2.7 HDi 24V 12/2004...

ALTERNADOR / Alternator

**Bosch:** 0121715001 | LIX14M25180 - **Lester:** 24077 - **Peugeot:** 5705CJ | 5705EJ - **PSA:** 9653459080

EQUIVALENTE / Equivalent

**Bosch:** F00M349860 | F00M391100 | F00M391135 - **Cargo:** 239914 - **IKA:** 353671 - **Litens:** 920731 - **Luk:** 535018910 - **SKF:** VKM03303 - **WAI:** 2491311**5562****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

APLICAÇÃO / Application / Aplicación

**Nissan:** Dualis 2.0 dCi, 2.0 dCi All-wheel Drive 02/2007... | Primastar 2.0 dCi 90, 2.0 dCi 120 09/2006... | Qashqai 2.0 dCi (Alt.TG15C058) 02/2007... | X-Trail 2.0 dCi 06/2007...**Opel:** Vivaro 2.0 CDTi 08/2006... - **Renault:** Duster 2014 | Espace IV 2.0 DCi 01/2006... | Laguna II 2.0 DCi 08/2005... | Laguna III 2.0 DCi (Alt. Valeo 150A) 10/2007... | Megane II 2.0 DCi 01/2007... | Megane II 2.0 DCi Dynamic 09/2005... | Trafic II 2.0 DCi 08/2006... | Vel Satis 2.0 DCi 08/2005... - **Vauxhall:** Vivaro 2.0 CDTi 01/2006...

**5562****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator****Lester:** 22555 | 23370 | 24008 | 24045 | 24252 - **Lucas Indiel:** LRA03036 - **Remy:** DRA0339 - **Renault:** 8200404459 | 8200854119 - **Valeo:** 2542966 | TG15C058 | TG15C142**EQUIVALENTE / Equivalent****Cargo:** 330200 | 333066 - **Dayco:** ALP2369 - **IKA:** 353331 - **INA:** F561464 | F23667502 | F23667503 | F23667504 - **Luk:** 535008010 - **Renault:** 8200489514 - **Ruville:** 55624 - **SKF:** VKM03615 - **Valeo:** 595226 | 2601010 | 2606665 | 2809427 - **WAI:** 2494276**5563****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** G 320 CDI set/06 | GL 320 CDI, GL 350 CDI set/06 | M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI (140/165kW) 07/2005... | M 320 CDI, ML 350 CDI (165kW) 07/2009... | R 280 CDI, R 300 CDI 05/2006... | R 320 CDI, R 350 CDI 01/2006... | R 350 CDI 07/2009...**ALTERNADOR / Alternator****Lester:** 11309 - **Mercedes Benz:** A033123 | A080334 | A114841 | A140234 | A390564 | 6421540302 | A6421540302 | A6421540502 - **Valeo:** 439583 | 440053 | 6421540502**EQUIVALENTE / Equivalent****Dayco:** ALP2388 - **Febi:** 27839 - **IKA:** 353481 - **INA:** F55165701 | F55165702 | F55165703 | F55165704 | F55165705 - **Luk:** 535011110 - **Mercedes Benz:** 6421500760 - **Ruville:** 55185 - **SKF:** VKM03833 - **Valeo:** 595239 | 2603331 - **WAI:** 2494267**5564****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación****Renault:** Clio III (BR0/1, CR0/1) 2.0 16V (BR0C, BR0K, CR0C, CR0K) 09/2006...**ALTERNADOR / Alternator****Bosch:** 0124425038 | 0124425075 | 0124525100 - **Lester:** 22990 | 24227 | 24228 | 24229 - **Nissan:** 23100003R | 231000012R - **Renault:** 231000012R | 8200262318**EQUIVALENTE / Equivalent****Bosch:** F00M147878 | F00M991248 - **IKA:** 353691 - **INA:** F553448 - **Luk:** 535013910 - **Ruville:** 55618 - **SKF:** VKM03607 - **WAI:** 2491320**5565****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación****Citroën:** C3 1.4 (54kW) 02/2002... | C3 1.4 (54kW) 11/2009... | C3 1.4, 1.4 16V, 1.6 (70-80kW) 05/2003... | C3 1.6 (88kW) 02/2009... | C4 1.6 THP 140/150 07/2008... | C4 1.6 Vti 120 07/2008... | C5 1.6 16V 04/2009... - **Mini:** Cooper 10/2006... | Cooper 1.6 07/2007... | Cooper S 10/2006... | Cooper S 1.6 03/2009... | Mini 1.6 10/2007... | One 03/2007... - **Nissan:** Qashqai II 2.0 2013... | X-Trail 2.0 2013... - **Peugeot:** 207 1.4 16V 06/2007... | 207 1.6 16V, 1.6 16V Vti, 1.6 16V RC, 1.6 16V Turbo 02/2007... | 3008 1.6 THP, 1.6 Vti 06/2009... | 308 1.4 16V, 1.6 16V 09/2007... | 5008 1.6 16V 09/2009... - **Renault:** Talisman 2.0 2015...**ALTERNADOR / Alternator****BMW:** 12317576513 | 12317576514 - **Citroën:** 5705KG | 9666997980 | 9666998080 - **Lester:** 11334 | 21072 - **Nissan:** 231004BB0A | 231004BB0B | 231004BB0C - **Peugeot:** 5705KG - **Valeo:** 2610715B | 2616938B | FG15T044 | FG15T072 | TG12C021 | TG12C059 | TG12C061 | 211072577 | 213067203 | A003TG5291ZE**EQUIVALENTE / Equivalent****Cargo:** 330473 - **IKA:** 354191 - **INA:** F559321 | F55653301 - **Luk:** 535014810 | 535017810 - **Mini:** 12317576515 - **Nissan:** 231009136R - **Renault:** 231009136R - **Ruville:** 56650 - **SKF:** VKM03881 - **Valeo:** 2605074 - **WAI:** 2494272 | 2494312**5566****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 89

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** GL-Klasse GL 320 CDI, GL 350 CDI 09/2006... | M-Klasse M 280 CDI, ML 300 CDI, M 320 CDI, ML 350 CDI 07/2005... | R-Klasse 280 CDI 05/2006... | R-Klasse 300 CDI 07/2009... | R-Klasse R 320 CDI, R 350 CDI jan/00 | S-Klasse 320 CDI 12/2005...**ALTERNADOR / Alternator****Bosch:** 0121813003 | 0131540902 | 0986047800 - **Lester:** 11308 - **Mercedes Benz:** 131540902 - **Steyr:** 131540902**EQUIVALENTE / Equivalent****Bosch:** F00M349828 | F00M391104 | F00M391144 - **Cargo:** 235508 - **Dayco:** ALP2380 - **Febi:** 27840 - **IKA:** 353351 - **INA:** F239356 | F23935601 | F23935602 | F23935603 - **Luk:** 535010810 - **Mercedes Benz:** 6291500060 - **Ruville:** 55192 - **SKF:** VKM03831 - **WAI:** 2491297

**5567****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

## APLICAÇÃO / Application / Aplicación

**Toyota:** Dyna 2.5 D4d 08/2001...10/2006 | Hiace 2.5 D-4D 11/2001...08/2006 | Hiace IV 2.5 D-4D 08/2001...08/2006 | Hilux (N) 2.5 D, 2.5 D4d, 2.5 D-4D 4x4 08/2001...08/2004 | Hilux 2.5 D-4D 11/2001...08/2004 | Kijang MPV 2.5 D4D 01/2005... | Land Cruiser (J12) 3.0 D-4D 01/2003...08/2009 | Land Cruiser (J9) 3.0 D-4D 10/2000...08/2009 | Qualis MPV 2.5 D4d 03/2007... | SW4 (N2) 3.0 D ago/09 | Tacoma II (N) 2.5 D-4D, 2.5 D-4D 4WD nov/01

## ALTERNADOR / Alternator

**Denso:** 1022112810 | 1042107090 - **Lester:** 23313 | 23317 | 23558 - **Toyota:** 1012114720 | 1022115600 | 1042108020 | 1042109010 | 1042109011 | 270600L010 | 270600L021 | 270600L160 | 2706030030 | 2706030040 | 2706030050 | 2706030120 | 2706030121 | 2706030123 | 2706054430 | 2706067140

## EQUIVALENTE / Equivalent

**Cargo:** 332133 - **Denso:** 0210401070 - **IKA:** 353941 - **INA:** F567525 - **Luk:** 535017310 - **Ruville:** 56962 - **SKF:** VKM06107 - **Toyota:** 274150L010 | 274150L030 | 2741530020 - **WAI:** 2482114

**5569****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Nissan:** Altima 2.5 2007...2009 | Primera 2.5 01/2002... | Sentra 2.5 2007...2009 | X-Trail (T30) 2.5 (121-132kW) (Alt. Valeo 110A) 11/2002...

## ALTERNADOR / Alternator

**Lester:** 11258 | 11458 - **Nissan:** 23100JA02A | 23100JA02B - **Valeo:** 2650364 | TG12C032

## EQUIVALENTE / Equivalent

**IAT:** 39337 - **INA:** F554755 | F55475501 - **Luk:** 535013710 - **Ruville:** 56830 - **Valeo:** 2650319 | 265031900

**5570****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Dodge:** 2500 L6 6.7L 2011...2012 | 3500 L6 6.7L 2011... | Bullet 45 L6 6.7L 2008...2009 | Bullet 55 L6 6.7L 2008...2009 | RAM 2500 L6 6.7L 2007...2010 | RAM 3500 L6 6.7L 2007...2009 | RAM 3500 L6 6.7L 2010... | RAM 4500 L6 6.7L 2008...2010 | RAM 5500 L6 6.7L 2008...2010

## ALTERNADOR / Alternator

**Bosch:** AL6474X - **Chrysler:** 4801311AD | 04801311AD - **Denso:** 4210000510 | 4210000512 - **Lester:** 11378 | 11993 | 24028

## EQUIVALENTE / Equivalent

**Denso:** 0210401631 - **Lester:** 11378 - **WAI:** 2482117

**5571****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Impala V6 3.9L 2006...2009 | Malibu LZ9 3.9L V6 Gas - DOD | Monte Carlo V6 3.9L

## ALTERNADOR / Alternator

**Bosch:** E6125A | AL8812X | 0124425049 | 0124425089 - **General Motors/Chevrolet:** 15233597 - **Lester:** 11236

## EQUIVALENTE / Equivalent

**Bosch:** F00M991241 | F00M991371 - **IAT:** 391027 - **IKA:** 353631 - **Lester:** 11236 - **Litens:** 920797 - **WAI:** 2491314

**5572****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

## APLICAÇÃO / Application / Aplicación

**Hyundai:** Azera 3.8L V6 2006...2007 - **Kia:** Amanti 3.8L 2007...2008 - **Toyota:** Auris 1.2 2015... | CHR 1.2 2016... | Corolla 1.2 2018...

## ALTERNADOR / Alternator

**Denso:** 1042114330 | MS1042113920 | MS1042113930 - **Kia:** 373003C120 | 373003C150 | 373003C160 | 373003C161 - **Lester:** 11192 - **Lexus:** 270600Y230 | 270600Y350 | 2706047190 | 2706047191 - **Poong Sung:** 21319280 | 21319320 | 21319321 - **Toyota:** 270600Y230 | 270600Y350 | 2706047190 | 2706047191

## EQUIVALENTE / Equivalent

**Hyundai:** 373213C150 - **INA:** F601835 - **Lexus:** 274150Y030 | 274150Y100 | 2741547050 - **Luk:** 535032910 - **Toyota:** 274150Y030 | 274150Y100 | 2741547050

**5573****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Jaguar:** S-Type Sedan (175kW) 3.0 V6 01/1999... | X-Type Sedan (143kW) 2.5 24V, 3.0 24V 01/02...12/2006 | X-Type Wagon (143-169kW) 2.5 24V, 3.0 24V 01/2005...12/2008

## ALTERNADOR / Alternator

**Denso:** 1022110870 - **Jaguar:** C2S3710 - **Lester:** 13926

**5573****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

**EQUIVALENTE / Equivalent****Cargo:** 230525 - **Denso:** 0210400960 | 0210401140 - **IKA:** 335351 - **INA:** F230051 | F23005102 | F23005103 - **Luk:** 535003110 - **Ruville:** 58300 - **WAI:** 2482276  
**Woodauto:** EC4231**5574****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** A (44-70kW) 160 CDI, A 170 CDI 07/199808.04 | A 160 CDI, A 180 CDI, A 200 CDI (60-103kW) 09/2004... | B 180 Cdi, B 200 Cdi 03/2005... | Vaneo 1.4, 1.6, 1.7 Cdi, 1.9 02/2002... - **Mitsubishi:** Colt VI 1.5 DI-D 08/2004... - **Smart:** ForFour 1.5 CDI 09/2004...**ALTERNADOR / Alternator****Lester:** 23171 | 23874 | 23896 - **Mercedes Benz:** 121540102 | 6391500250 | 6391500350 | 6401540202 | 6401540302 | 6401540402 | 6401540502 | 6681540102 | 6681540202 | 6681540302 - **Mitsubishi:** MN960266 - **Valeo:** 437415 | 439455 | SG15L012 | SG15L026**EQUIVALENTE / Equivalent****Cargo:** 233847 | 333133 - **Febi:** 21685 - **IKA:** 353451 - **INA:** F239809 | F553857 | F2320305 | F23203002 | F23203003 | F23203004 | F23203005 | F23203006 | F23203007 | F23203009 | F23203010 | F23203011 | F23203012 | F23980901 | F23980903 | F55385702 | F55385703 | F55385704 | F55385705 | F55385706 | F55385708 | F55385709 - **Litens:** 921703 - **Luk:** 535004510 | 535007610 | 535010110 - **Mercedes Benz:** 6401500160 | 6401500360 | 6401500460 | 6401500560 | 6681550115 | 6681550215 | 6681550615 - **Mitsubishi:** MN960267 - **Ruville:** 55164 | 55169 - **SKF:** 03826 - **Swag:** 10927837 - **Trucktec Automotive:** 0217049 - **Valeo:** 593618 | 593930 | 2546914 | 2601992 | 2602150 | 2602152 | 2602751 | 2603537 | 2610606 | 2600166A - **WAI:** 2494266**5575****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

**APLICAÇÃO / Application / Aplicación****Dacia:** Duster 1.6 16V 04/2010... | Logan 1.6 16V 02/2006... - **Nissan:** Cube 1.5 dCi 03/2010... | Juke 1.5 dCi 06/2010... | Micra 1.5 dCi (Alt. 23100-00Q2J) 01/2003... | Note 1.5 dCi (Alt. 23100-00Q2J) 03/2006... | NV200 1.5 dCi (Alt. 23100-00Q2J) 02/2010... | Qashqai 1.5 dCi 02/2007... | Tiida 1.5 dCi 09/2007... - **Renault:** Clio Grandtour 1.2 16V, 1.5 Dci, 1.6 16V 02/2008... | Clio III 1.4 16V, 1.6 16V 06/2005... | Clio III 1.5 dCi 05/2005... | Clio III 1.5D 11/2007... | Grand Scenic 1.5 dCi 04/2004... | Kangoo 1.5 dCi fev/08 | Kangoo Be Bop 1.5 dCi 02/2009... | Laguna II 1.6 16V 02/2005... | Logan 1.6 abr/07 | Megane II (60-76kW) 1.5 dCi (Alt. Bosch 150A) 11/2002... | Megane II (78kW) 1.5 dCi (Alt. Bosch 150A) 05/2005... | Modus (48-63kW) 1.5 1.5 dCi, 1.6 (Alt. Bosch 82 00 660 033 120A / 82 00 660 034 150A) dez/04 | Modus (76kW) 1.5 dCi (Alt. Bosch 150A) mai/07 | Modus (78kW) 1.5 dCi (Alt. Bosch 82 00 660 033 120A / 82 00 660 034 150A) mai/05 | Scenic (78kW) 1.5 dCi (Alt. Bosch 150A) 05/2005... | Scenic II (60-76kW) 1.5 dCi (Alt. Bosch 150A) 06/2003... | Symbol 1.5 dCi 06/2005... | Twingo 1.5 dCi (CNOE) (Alt. Bosch 120A) 03/2007...**ALTERNADOR / Alternator****Bosch:** 0124425037 | 0124425071 | 0124425081 | 0124425082 | 0124425139 | 0124425140 | 0124425208 | 0124425525 | 0986049030 - **Lester:** 20411 | 23819 | 23884 | 24015 - **Lucas Indiel:** LRA03033 - **Nissan:** 2310000Q0M | 2310000Q2J - **Renault:** 8200390667 | 8200390675 | 8200390676 | 8200660033 | 8200660034 | 8200667607 | 8200728292 - **Valeo:** TG11C027**EQUIVALENTE / Equivalent****Bosch:** F00M147821 | F00M147956 | F00M991219 | F00M991313 - **Cargo:** 238733 | 333136 - **IKA:** 353401 - **INA:** F550213 | F55021302 | F55021308 | F55021309 | F55021311 - **Luk:** 535010210 - **Ruville:** 59936 - **SKF:** VKM03608 - **WAI:** 2491296

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## POLIA RODA LIVRE PARA ALTERNADOR - OAP

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 145 (930) 1.4 i.e. 07/1994...12/1996 | 145 (930) 1.9 JTD 02/1999...01/2001 | 146 (930) 1.9 JTD 02/1999...01/2001 | 147 (937) 1.9 JTD 06/2003... | 147 (937) 1.9 JTD 16V, 1.9 JTDM 16V, 1.9 JTDM 8V 11/2002... | 147 (937) 1.9 JTD, 1.9 JTDM 16V 04/2001... | 147 (937) 1.9 JTD, 1.9 JTDM 16V 10/2004... | 147 (937) 1.9 JTDM 16V 06/2008... | 156 (932) 1.9 D (93kW) 11/2003...05/2006 | 156 (932) 1.9 D, 1.9 JTD 16V 11/2002...05/2006 | 156 (932) 1.9 D, 1.9 JTD, 1.9 JTD 16V Q4 11/2002...05/2006 | 156 (932) 1.9 JTD (77kW), 2.4 JTD (100kW) 09/1997...10/2000 | 156 (932) 1.9 JTD (81kW) 10/2000...05/2001 | 156 (932) 1.9 JTD (85kW) 05/2001...05/2006 | 156 (932) 2.4 D, 2.4 JTD (120-129kW) 06/2003...09/2005 | 156 (932) 2.4 JTD (100-103kW) 05/2000...05/2006 | 156 (932) 2.4 JTD (110kW) 03/2002...05/2006 | 159 1.9 JTDM 16V, 1.9 JTDM 8V (85-110kW) 09/2005... | 166 (936) 2.4 JTD (100kW) 09/1998...10/2000 | 166 (936) 2.4 JTD (103-136kW) 10/2000... | GT (937C) 1.9 JTD 11/2003... | GT 1.9 JTD 2003... - **Fiat:** Brava 1.9 D 10/1995...10/2001 | Brava 1.9 JTD (74kW) 09/2000...10/2001 | Brava 1.9 JTD 105 12/1998...10/2001 | Brava 1.9 TD 75 S (55kW), 1.9 TD 100 S (74kW) 03/1996...10/2001 | Bravo (182) 1.9 D 10/1995...10/2001 | Bravo (182) 1.9 JTD 09/2000...10/2001 | Bravo (182) 1.9 JTD 105 12/1998...10/2001 | Bravo (182) 1.9 TD 75 S, 1.9 TD 100 S 03/1996...10/2001 | Bravo (198) 1.4 T-Jet (110kW) 09/2007... | Bravo (198) 1.4 T-Jet (66-88kW) 03/2008... | Bravo (198) 1.4, 1.4 T-Jet (103kW) 04/2007... | Bravo (198) 1.9 D Multijet (66kW) 04/2007...12/2008 | Bravo (198) 1.9 D Multijet (88-110kW) 04/2007... | Croma (194) 1.9 D Multijet 06/2005... | Doblo (119, 223) 1.9 D (46kW) 06/2005... | Doblo (119, 223) 1.9 D Multijet, 1.9 JTD Multijet (88kW) 10/2005... | Doblo (119, 223) 1.9 JTD (74kW) 10/2001... | Doblo (119, 223) 1.9 JTD (77kW) 07/2003... | Grand Punto (199) 1.9 D Multijet 10/2005... | Idea 1.9 JTD 01/2004... | Marea (185) 1.9 JTD abr/99 | Marea (185) 1.9 JTD 110 01/2001... | Marea (185) 1.9 TD 100 09/1996... | Marea (185) 2.4 JTD 04/1999... | Multipla (186) 1.9 JTD abr/99 | Multipla (186) 1.9 JTD (186AXE1A) 04/2002... | Multipla (186) 1.9 JTD 110, 1.9 JTD 115 03/2001... | Palio 1.9 D/1.9 JTD EL 09/2000... | Punto 1.9 D 60/1.9 DS 60, 1.9 JTD 80 02/2000... | Punto 1.9 JTD (63kW) 09/1999... | Punto 1.9 JTD (74kW) 06/2003... | Siena 1.9 11/2000... | Stilo (192) 1.9 D Multijet (59kW) 09/2005... | Stilo (192) 1.9 D, 1.9 JTD (192AXS1B, 192BXS1B) (66kW) 09/2004... | Stilo (192) 1.9 JTD (85kW) | Strada (178E) 1.9 D 12/2000... | Strada (178E) 1.9 JTD 04/2003... - **Lancia:** Delta III 1.6 Multijet, 1.9 Multijet, 2.0 Multijet 09/2008... | Kappa (838) 2.4 JTD, 2.4 TD 08/1994...10/2001 | Lybra (839) 1.9 JTD (77kW), 2.4 JTD (99kW) 09/1999...09/2000 | Lybra (839) 1.9 JTD (81kW) 09/2000...05/2001 | Lybra (839) 1.9 JTD (85kW) 05/2001... | Lybra (839) 2.4 JTD (103-110kW) 09/2000... | Musa 1.9 Multijet 10/2004... | Thesis 2.0 Turbo, 2.4, 2.4 JTD 07/2002... | Thesis 2.4 JTD 05/2003... - **Opel:** Astra H 1.9 CDTi (Alt. Denso 100/120/130A) 04/2004... | Astra H GTC 1.9 CDTi (Alt. Denso 100/120/130A) 03/2005... | Signum 1.9 CDTi (Alt. Denso 100/120/130A) 04/2004... | Vectra C/GTS 1.9 CDTi (74kW) (Alt. Denso 100/120/130A) 10/2005... | Vectra C/GTS 1.9 CDTi (88-110kW) (Alt. Denso 100/120/130A) 04/2004... | Zafira 1.9 CDTi (Alt. Denso 100/120/130A) 07/2005... - **Saab:** 42803 1.9 TiD/1.9 TtiD 09/2004... | 42803 1.9 TtiD ano 12/2007... | 42864 1.9 TiD ano 01/2006... | 9-3 X 1.9 TtiD ano 02.09- 02/2009... - **Vauxhall:** Astra Mk V 1.9 CDTi, 1.9 CDTi 16V, 1.9 LE 04/2004... | Signum 1.9 CDTi, 1.9 CDTi 16V 04/2004...08/2005 | Vectra Mk II 1.9 CDTi, 1.9 CDTi 16V 04/2004...07/2008 | Zafira MK II 1.9 CDTi 07/2005...

## ALTERNADOR / Alternator

**Fiat:** 46748353 | 46763533 | 46763534 | 46765838 | 46774428 | 46774429 | 46774430 | 46782213 | 46782218 | 46809068 | 46823540 | 51859052 | 51859053 | 60815944 | 60816557 | 60816954 | 73501591 | 73503235 - **Lester:** 23806 | 23807 | 23808 - **Opel:** 93180098 | 93180102 | 93180104 - **Saab:** 93180104

## EQUIVALENTE / Equivalent

**Alfa Romeo:** 9948513 | 9949129 | 9951269 - **Cargo:** 235719 | 333135 - **Denso:** 8362516 - **Fiat:** 9948513 | 9949129 | 9951269 - **Gates:** OAP7032  
**General Motors/Chevrolet:** 93182514 - **IKA:** 353621 - **INA:** F55405301 | F55405302 - **Lancia:** 9948513 | 9949129 | 9951269 - **Luk:** 535011510 - **Opel:** 1204413  
**Ruville:** 55376 - **Saab:** 93182514 - **SKF:** VKM03206 - **VM Motori MSY:** MSY836251600 - **WAI:** 2482299

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## POLIA RODA LIVRE PARA ALTERNADOR - OAP

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Hyundai:** Accent (60kW) 1.5 CRDi 01/2002... | Accent (81kW) 1.5 CRDi GLS 11/2005... | Click (60kW) 1.5 CRDi 03/2003... | Click (75kW) 1.5 CRDi GLS 07/2004...08/2005 | Excel 1.5 CRDi 04/2002... | Getz (60kW) 1.5 CRDi mar/03 | Getz (75kW) 1.5 CRDi GLS 07/2004...08/2005 | Lavita (60kW) 1.5 CRDi 10/2001... | Lavita (75kW) 1.5 CRDi 12/2004... | Matrix (60kW) 1.5 CRDi 10/2001... | Matrix (75kW) 1.5 CRDi 12/2004... | Verna III 1.5 CRDi GLS nov/05

## ALTERNADOR / Alternator

**Denso:** 1002132950 | 1002132990 - **Hyundai:** 3730027502 | 3730027503 | 3730027504 | 3730027600 | 3730027601 | 3730027602 - **Lester:** 23265

## EQUIVALENTE / Equivalent

**Cargo:** 237500 - **Denso:** 0810200010 | 0810200011 - **Hyundai:** 27500 | 27501 | 3732227500 | 3732227501 | 5021040108 - **IKA:** 353561 - **INA:** F2331061 | F23310603 | F23310604 | F23310605 | F23310606 - **Lester:** 9057 - **Luk:** 535004310 | 535011010 - **Ruville:** 59938 - **SKF:** VKM06500 - **WAI:** 2482292 - **Woodauto:** EC4377

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## POLIA RODA LIVRE PARA ALTERNADOR - OAP

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Citroën:** Jumper 2.2 HDi 100, 2.2 HDi 120 04/2006... | Relay (74,88kW) 2.2 HDi 100/120 04/2006... | Relay (81,96,110kW) 2.2 HDi 110/130/150 07/2011... - **Fiat:** Ducato 100 2.2 D Multijet jul/06 - **Ford:** Transit 2.2 TDCI 07/2006... | Transit Tourneo 2.2 TDCI jul/06 - **Peugeot:** Boxer 2.2 HDi 100, 2.2 HDi 120 04/2006...

## ALTERNADOR / Alternator

**Bosch:** 0121615002 | 0125711001 | 0125711017 | 0986047910 - **Citroën:** 5702L2 | 5705EA - **Fiat:** 77364082 | 9658144680 | 9659918080 | 9676143580 - **Ford:** 1404791 | 1581843 | 6C1T10300BA | 6C1T10300BB | 6C1T10300BC | 6C1T10300BD | BK2T10300BB - **Lester:** 11563 | 11722 | 20251 | 20330 | 20786 | 20855 | 23925 | 24230

## EQUIVALENTE / Equivalent

**Bosch:** F00M349877 | F00M391107 | F00M391118 | F00M391120 | F00M599403 - **Cargo:** 330895 - **Fiat:** 77364082 - **IKA:** 353841 - **INA:** F554766 | F55476601 - **Luk:** 535016010 - **Ruville:** 59914 - **SKF:** VKM03407 - **WAI:** 2491321

**5581****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** C 320, C 350 CDI 01/2005... | CLK320 CDI jan/05 | CLS350 abr/09 | CLS350 CDI (218.323) jan/11 | E 280 CDI 03/2005... | E 300 BLUETEC 03/2005... | E 320 CDI 03/2005... | E 320 T CDI 03/2005... | E 350 CDI, BlueTEC 01/2009... | GL320, GL350 CDI 09/2006... | GL350 CDI BlueTEC (Alt. Valeo 180A) 12/2009... | GLK320, 350 CDI 06/2008... | M280, ML300, M320, ML350 CDI 07/2005... | ML350 CDI BlueTEC 09/2009... | R280, 300 CDI (140kW) 05/2006... | R320, 350 CDI 01/2006... | R350 (Alt. Valeo 180A) 07/2009... | Sprinter 3-T 209 | Sprinter 3-T 211 | Sprinter 3-T 213 | Sprinter 3-T 215 | Sprinter 3-T 218 | Sprinter 3-T 219 | Sprinter 3-T 309 | Sprinter 3-T 311 | Sprinter 3-T 313 | Sprinter 3-T 315 | Sprinter 3-T 318 | Sprinter 3-T 319 | Sprinter 3-T 415 | Sprinter 3-T 419 | Sprinter 3-T 518 | Sprinter 3-T 519 | Viano 3.0 CDI 03/2006... | Vito 120 CDI 09/2007...

**ALTERNADOR / Alternator**

**Lester:** 11306 | 11457 | 20122 - **Mercedes Benz:** 4801250AA | 04801250AA | 4801250AB | 04801250AB | 04801250AC | 04801250AD | 6421540402

**EQUIVALENTE / Equivalent**

**Dayco:** ALP2389 - **Gates:** OAP7086 - **IKA:** 353741 - **INA:** F239808 | F23980801 | F23980802 | F23980803 | F23980804 | F23980805 | F23980806 - **Luk:** 535014010  
**Mercedes Benz:** 6421500360 | 6421500660 - **Ruville:** 55196 - **SKF:** VKM03823 - **Valeo:** 593960 | 2603330 | 2604641 - **WAI:** 2491318

**5582****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Nissan:** Qashqai 2.0 02/2007... | Sentra L4 2.0 2007...2010 | Tiida 1.8 09/2007... | Versa L4 1.8 2007...2009 | X-Trail 2.0 (103kW-Hitachi alt) 06/2008... | X-Trail 2.0 (104kW-Hitachi alt) 06/2007... | X-Trail 2.0 (104kW-Mitsubishi alt) 03/2007...

**ALTERNADOR / Alternator**

**Lester:** 11343 | 11413 | 11436 | 13258 | 24075 - **Mitsubishi:** A2TG0881ZC - **Nissan:** 231001FC1A | 231001KM1A | 231001KM1B | 231001KM1M | 231002501R | 231002FP1B | 231003TC1A | 231003TS1A | 231004FN1B | 231006754R | 231009412R | 23100CJ41B | 23100ED000 | 23100EE51B | 23100EL010 | 23100EM01B | 23100EM02C | 23100JD200 | 23100JD21A | 23100JD22M | 23100JN81A | 23100ZW40A | 23100ZW40B | 23100EM01BR | 23100675412R

**EQUIVALENTE / Equivalent**

**Cargo:** 333065 - **IKA:** 354541 - **INA:** F557045 | F55704501 - **Luk:** 535014610 - **Melco:** A252C55075 - **Nissan:** 231511KM1A | 23151EL010 | 23151JD20A - **Ruville:** 59943 - **SKF:** VKM06203 - **WAI:** 2483280

**5583****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Accent (MC) 1.5 CRDi GLS 11/2005... | Elantra (XD) CRDi 02/2006... | Getz 1.5 CRDi 03/2003... | Getz 1.5 CRDi 08/2005... | Getz 1.5 CRDi GLS 07/2004...08/2005 | Getz 1.5 CRDi GLS 08/2005... | I10 1.1 CRDi 01/2008... | I20 1.6 CRDi 09/2008... | I30 1.6 CRDi 10/2007... | I30 CW 1.6 CRDi 02/2008... | Matrix 1.5 CRDi 08/2005... | Matrix (FC) 1.5 CRDi 12/2004... | ND 6L 1.6 CRDi 09/2008... | Verna Diesel - **Kia:** Cerato 1.5 CRDi 07/2005... | Cerato 1.6 CRDi 06/2005... | Picanto 1.1 D 11/2005... | Soul 1.6 CRDi 02/2009...

**ALTERNADOR / Alternator**

**Hyundai:** 373002A000 | 373002A050 | 373002A100 | 373002A110 | 373002A300 | 373002A460 | 373222A000 | 373222A100 | 373222A110 - **Kia:** 373002A010 | 373002A110 | 373002A150 | 373222A000 | 373222A110 - **Lester:** 20409 | 20655 | 20796 | 24024

**EQUIVALENTE / Equivalent**

**INA:** F2360711 | F23607102 | F23607103 | F23607104 | F23607105 | F23607106 | F23607107 | F23607108 - **Luk:** 535018710 - **Ruville:** 59949 - **Valeo:** 406880 | 595286 | 2604051 | 2655103 | 2655475 | 2655507 - **WAI:** 2494274

**5584****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 90

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Qashqai 2.0 dCi (Alt. Mitsubishi 23100-JD71A) 02/2007... | X-Trail (T31) 2.0 dCi, 2.0 dCi FWD 06/2007... - **Opel:** Movano 2.3 CDTI 12/2010... - **Renault:** Grand Scenic 2.0dCi (110kW) 02/2009... | Grand Scenic 2.0dCi (118kW) 04/2009... | Koleos 2.0dCi, 2.0 dCi 4x4 09/2008... | Laguna III 2.0 dCi (Alt. Mitsubishi 210A) 10/2007... | Latitude 2.0 dCi, 3.0 dCi 02/2011... | Megane III / Megane III Grandtour 2.0 dCi (110kW) 10/2010... | Megane III / Megane III Grandtour 2.0 dCi (118kW) 04/2009... | Scenic 2.0dCi (110kW) 02/2009... | Scenic 2.0dCi (118kW) 04/2009... - **Vauxhall:** Movano MkII 2.3 CDTI FWD 05/2010... | Movano MkII 2.3 CDTI RWD 07/2010...

**ALTERNADOR / Alternator**

**Lester:** 20389 | 20535 | 20776 | 20776A - **Nissan:** 23100JD71A | 23100JG71A - **Renault:** 404465 | 571531 | 654785

**EQUIVALENTE / Equivalent**

**Cargo:** 330516 - **INA:** F552305 | F55230501 - **Luk:** 535015310 - **Melco:** A252C55875 - **Nissan:** 23151JG71B - **SKF:** VKM03610 - **WAI:** 2499251



**5585****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Dacia:** Lodgy 1.5 dCi 03/2012... - **Nissan:** Juke (F15) - 1.5 dCi 06/2010... - **Renault:** Laguna III (BT0/1) 1.5 dCi (BT0A) 10/2007... | Laguna III (KT0/1) 1.5 dCi (KT0A) 10/2007... | Megane II (BM0/1,CM0/1) 1.5 dCi 05/2005... | Megane II Combi (KM0/1) 1.5 dCi (KM16, KM1E) 05/2005... | Megane II Coupé-Cabriolet (EM0/1) 1.5 dCi (EM1E) 03/2006... | Megane II três volumes (LM0/1) 1.5 dCi 05/2005... | Megane III Coupé (DZ0/1) 1.5 dCi (DZ09, DZ0D, DZ1F, DZ1G) 02/2009... | Megane III Coupé (DZ0/1) 1.5 dCi (DZ0B) 02/2009... | Megane III Grandtour (KZ0/1) | Megane III Grandtour (KZ0/1) 1.5 dCi (KZ1M, KZ1W) 02/2009... | Megane III Hatchback (BZ0) 1.5 dCi 02/2009... | Megane III Hatchback (BZ0) 1.5 dCi (BZ09) 02/2009... | Scenic II (JM0/1) 1.5 dCi (JM1E) 05/2005...

## ALTERNADOR / Alternator

**Lester:** 20043 | 20255 - **Melco:** A004TJ0581 | A004TJ0582 | A004TJ0582ZE - **Mitsubishi:** A4TJ0582 | A4TJ0582ZC - **Renault:** 7711368727 | 8200660057 | 8200960533

## EQUIVALENTE / Equivalent

**Cargo:** 333081 - **IKA:** 354661 - **INA:** F550883 | F55088301 | F55088302 - **Luk:** 535015410 - **Melco:** A252C55975 - **Mitsubishi:** A252C559FE - **WAI:** 2483293

**5586****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

## APLICAÇÃO / Application / Aplicación

**Citroën:** C-Crosser 2.2 Hdi 02/2007... | C-Crosser Enterprise 2.2 Hdi 01/2009... - **Ford:** EcoSport 09/2011... | Fiesta três volumes 04/2010... | Freestyle 01/2018... | Ka+ III (UK, FK) 08/2014... | Ka+ III três volumes (TK, FK) 08/2014... - **Mitsubishi:** Outlander II 2.2 DI-D 4WD (115kW) 08/2007... | Outlander II 2.2 DI-D 4WD (130kW) 07/2010...  
**Peugeot:** 4007 (GP) 2.2 Hdi 02/2007...

## ALTERNADOR / Alternator

**Citroën:** 5702G8 | 5702K7 | 5705JV | 5705NF - **Lester:** 20131 - **Lucas Indiel:** LRA03243 - **Peugeot:** 9662731680 - **Remy:** DRA0608

## EQUIVALENTE / Equivalent

**IKA:** 354751 - **INA:** F606293 | F55601401 | F55601402 - **Luk:** 535017010 - **Ruville:** 56649 - **Valeo:** 2604130

**5587****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Citroën:** Berlingo 1.6 04/2008... | C3 1.4 (54kW) 02/2002... | C3 1.4 16V, 1.4 i (54-65kW) 02/2002... | C3 1.4, 1.4 16V, 1.6 (70-80kW) 05/2003... | C3 1.6 (88kW) 02/2009... | C3 1.6 16V (80kW) fev/02 | C4 1.4 16V, 1.6 16V, 1.6 16V Bio-Flex (65-80kW) 11/2004... | C4 1.6 16V, 1.6 THP 150 (110kW) 07/2008... | C4 1.6 THP 140 (103kW) 07/2008... | C4 1.6 VTi 120 (88kW) 07/2008... | C5 1.6 16V (115kW) 04/2009... | DS3 1.4 16V, 1.6 16V (70-88kW) 04/2010... | DS3 1.6 16V (115kW) 04/2010... | DS4 1.6 VTi 120, 1.6 THP 155, 1.6 THP 200 04/2011... - **Peugeot:** 207 1.4 16V (70kW) 06/2007... | 207 1.4, 1.4 16V (53-65kW) 02/2006... | 207 1.6 16V RC, 1.6 16V Turbo (110-128kW) 02/2007... | 207 1.6 16V Turbo (110kW) 02/2006... | 207 1.6 16V, 1.6 16V Vti (88kW) 02/2007... | 3008 1.6 THP, 1.6 Vti (88-110/115kW) 06/2009... | 308 1.4 16V (70kW) 09/2007... | 308 1.4 16V (72kW) 12/2009... | 308 1.6 16V (115kW) 06/2009... | 308 1.6 16V (128kW) 03/2008... | 308 1.6 16V (88/103/110kW) 09/2007... | 5008 1.6 16V (88-115kW) 09/2009... | Partner 1.6 04/2008... | Ranch 1.6 04/2010... | RCZ 1.6 16V (115kW) 03/2010... | RCZ 1.6 16V (147kW) 06/2010...

## ALTERNADOR / Alternator

**Lester:** 20164 | 23895 - **Melco:** A003TG5281ZE | A005TG0881ZE - **Peugeot:** 5702J0 | 5702J3 | 5705KG | 5705KQ

## EQUIVALENTE / Equivalent

**INA:** F560968 - **Luk:** 535019310 - **Ruville:** 59955 - **WAI:** 2483294

**5588****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Toyota:** Echo Hatchback (NCP13, NCP12) 1.4 D4d (55kW) 01/2000...03/2003 | Vitiz (P1) 1.4 D4-D (55kW) 12/2001... | Yaris (SCP1, NLP1, NCP1) 1.4 D4-D (55kW) 12/2001...09/2005 | Yaris Verso (NLP2, NCP2) 1.4 D4-D (55kW) 12/2001...09/2005

## ALTERNADOR / Alternator

**Denso:** 1022112770 | 1022112780 - **Lester:** 23859 - **Toyota:** 2706033030 | 2706033040

## EQUIVALENTE / Equivalent

**Cargo:** 237587 - **Denso:** 0210401100 | 0210401410 - **IKA:** 354361 - **INA:** F579125 - **Luk:** 535019910 - **NTN:** 359V11 - **Ruville:** 59961 - **Toyota:** 2741533020 - **WAI:** 2491115

**5589****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Ford:** Galaxy 2.0 SCTi 03/2010... | Modeo IV 2.0 SCTi mar/10 | S Max 2.0 SCTi 03/2010... - **Land Rover:** Evoque 2.0 06/2011... - **Volvo:** S60 II 2.0T, T5 04/2010... | S80 2.0T 01/2010... | S80 T5 10/2010... | V60 2.0T, T5 09/2010... | V70 III 2.0T, T5 01/2010... | XC60 2.0T 03/2010...

**5589****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator**

**Bosch:** 0121715158 | 0125711024 | 0125711045 | 0125711069 | 0125711105 | 0125711106 | 0125811006 | 0125811034 - **Ford:** 1682130 | 1748794 | 1799802 | 2099467 | 2415016 | 9G9J10300AA | 9G9N10300BA | 9G9N10300BB | BG9T10300AB - **Jaguar:** BJ3210300CA | BJ3210300CB | BJ3210300CC - **Land Rover:** LR028121 | LR031027 | LR067840 - **Lester:** 11722 | 20528 | 20529 | 22589 - **Volvo:** 30659675 | 31260072 | 31260073 | 31285489 | 36001811 | 36002584 | 36002650 | 36010301 | 36010302

**EQUIVALENTE / Equivalent**

**Bosch:** F00M349903 | F00M391150 - **Cargo:** 333071 - **IKA:** 354301 - **INA:** F561957 | F56195703 | F56195704 - **Luk:** 535020010 - **Swag:** 55934598 - **Volvo:** 31285489 - **WAI:** 2491114

**5590****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Opel:** Combo 1.4, 1.4 16V 10/2004... | Corsa D 1.2, 1.2 ecoFLEX (59-63kW) 07/2006... | Corsa D 1.4 (66kW) 07/2006... | Corsa D 1.4, 1.4 ecoFLEX 09/2009... | Meriva 1.4 06/2010... - **Vauxhall:** Corsa Mk II 1.2 (59kW) 07/2006... | Corsa Mk II 1.2 i 16V (63kW) 06/2010... | Corsa Mk II 1.4 (66kW) 07/2006... | Corsa Mk II 1.4 16V (74kW) 07/2010... | Corsavan Mk II 1.2 i 16V (51kW) 07/2006... | Meriva Mk II 1.4 out/06

**ALTERNADOR / Alternator**

**Bosch:** 0124425085 | 0124425087 | 0124515112 - **Lester:** 24122 | 24144 - **Opel:** 13266809 | 13266810

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991181 | F00M992718 - **Cargo:** 333073 - **General Motors/Chevrolet:** 13266813 | 93185744 - **IKA:** 354381 - **INA:** F553240 | F23891801 | F23891802 | F55324001 - **Luk:** 535012210 | 535021110 - **Opel:** 1204184 - **WAI:** 2491116

**5591****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Honda:** Accord IX 2.2 i-DTEC 07/2008... | Accord VII (CL) 2.2 i-CTDi 01/2004... | Accord VII Tourer (CM) 2.2 i-CTDi 01/2004... | Accord VIII (CU) 2.2 i-DTEC 07/2008... | Accord VIII Combi 2.2 i-DTEC 07/2008... | Civic VIII Hatchback (FN,FK) 2.2 CTDi 01/2006... | CR-V II (RD) 2.2 CTDi 02/2005...09/2006 | CR-V III (RE) 2.2 i-CTDi 4WD 01/2007... | CR-V III (RE) 2.2 i-DTEC 4WD 01/2007... | FR-V (BE) 2.2 i CTDi 07/2005...

**ALTERNADOR / Alternator**

**Denso:** 1042102660 | 1042103911 | 1042104860 - **Honda:** CSC91 | CSG66 | 31100RBDE02 | 31100RLOG61 | 31100RSRE01 - **Lester:** 20630 | 23971

**EQUIVALENTE / Equivalent**

**Cargo:** 330634 - **Honda:** 31141RBDE02 - **IKA:** 354491 - **INA:** F580303 - **Luk:** 535021410 - **WAI:** 2482313

**5592****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Hyundai:** H 1 Cargo (TQ) - 2.5 CRDi (100kW) 08/2009... | H 1 Cargo (TQ) - 2.5 CRDi (120kW) 02/2008... | H 1 Cargo (TQ) - 2.5 CRDi (125kW) 02/2008... | H 1 Cargo (TQ) - 2.5 CRDi (81kW) 02/2008... | H 1 Travel (TQ) - 2.5 CRDi (100kW) 07/2008... | H 1 Travel (TQ) - 2.5 CRDi (120kW) 05/2008... | H 1 Travel (TQ) - 2.5 CRDi (125kW) 05/2008... | H 1 Travel (TQ) - 2.5 CRDi (85kW) 08/2011... - **Kia:** Sorento I (JC) 2.5 CRDi (120kW) 05/2006... | Sorento I (JC) 2.5 CRDi (125kW) 12/2006... - **Mini:** One D (R50, R53) (55kW) 1.4 D 06/2003...09/2006 | One D (R50, R53) (65kW) 1.4 D 06/2003...09/2006

**ALTERNADOR / Alternator**

**BMW:** 12317790879 - **Denso:** 1042103732 - **Lester:** 23941 - **Toyota:** 2706033051

**EQUIVALENTE / Equivalent**

**Cargo:** 333085 - **Hyundai:** 373224A300 | 373224A310 - **IKA:** 354631 - **INA:** F581342 - **Kia:** 373224A300 | 373224A310 - **Luk:** 535021510 - **Mini:** 12317790877 - **Ruville:** 59978 - **WAI:** 2482311

**5593****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Hyundai:** IX35 2.0 CRDi, 2.0 CRDi 4WD, 2.0 CRDi All-wheel Drive (110kW) 01/2010... | Santa Fé II 2.0 CRDi, 2.0 CRDi 4x4 (110kW) 12/2010... | Santa Fé II 2.0 CRDi, 2.0 CRDi 4x4 (145kW) 01/2009... | Tucson 2.0 CRDi, 2.0 CRDi All-wheel Drive (110kW) 01/2009... - **Kia:** Sorento 2.0 CRDi, 2.0 CRDi 4WD (110kW) 01/2009... | Sorento 2.0 CRDi, 2.0 CRDi 4WD (145kW) 11/2009...

**ALTERNADOR / Alternator**

**Hyundai:** 373002F000 | 373002F100 | 373002F200 - **Kia:** 373002F000 | 373002F100 | 373002F200 - **Lester:** 20133 | 20338

**EQUIVALENTE / Equivalent**

**Hyundai:** 373222F000 - **IKA:** 354791 - **INA:** F560201 - **Kia:** 373222F000 - **Luk:** 535021610 - **Valeo:** 2605819

**5594****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Hyundai:** Azera 01/2011... | ix35 (LM, EL, ELH) 08/2009... | Santa Fé II 2.4 11/2010... | Santa Fé II 2.4 4x4 07/2010... | Sonata VI (YF) 01/2009...12/2015 - **Kia:** Sorento 2.4 CVVT, 2.4 CVVT 4WD (129kW) 11/2009...**ALTERNADOR / Alternator****Hyundai:** 373002G500 - **Kia:** 373002G500 | 373002G501 | 373002G760 - **Lester:** 11493 | 11606 | 11710 | 14006 - **Valeo:** 2607574 | 2607928**EQUIVALENTE / Equivalent****Hyundai:** 373222G500 - **INA:** F567535 | F56753501 | F56753502 | F56753503 - **Kia:** 373222G500 - **Luk:** 535021710 - **Valeo:** 2607575 | 2607575A**5595****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Audi:** A4 (8K2,B8) 2.7 TDI, 3.0 TDI quattro 11/2007... | A4 (8K5, B8) 2.7 TDI, 3.0 TDI quattro 04/2008... | A4 Allroad Estate (8KH,B8) 3.0 TDI quattro 04/2009... | A5 (8T3) 2.7 TDI, 3.0 TDI quattro 06/2007... | A5 (8T3, 8TA) 3.0 TDI, 3.0 TDI quattro 10/2011... | A5 (8TA,8F7) 2.7 TDI, 3.0 TDI quattro 09/2009... | A6 (4G2,C7) 3.0 TDI, 3.0 TDI quattro 03/2011... | A6 Avant (4F2,4F5,C6) 2.7 TDI, 2.7 TDI quattro, 3.0 TDI quattro 10/2008...03/2011 | A6 Avant (4G5) 3.0 TDI, 3.0 TDI quattro 05/2011... | A7 Sportback (4GA) 3.0 TDI, 3.0 TDI quattro 11/2010... | A8 (4E) 3.2 FSI, 3.2 FSI quattro, 4.2 TDI quattro 07/2005...07/2010 | A8 (4H) 3.0 TDI 09/2011... | A8 (4H) 3.0 TDI quattro 07/2010... | Q5 (8R) 3.0 TDI 11/2008... | Q7 (4L) 3.0 TDI (165kW) 06/2009...05/2010 | Q7 (4L) 3.0 TDI (176kW) 11/2007... | Q7 (4L) 3.0 TDI (180kW) 05/2011... | Q7 (4L) 4.2 TDI (240kW) 03/2007... | Q7 (4L) 6.0 TDI (368kW) 09/2008... - **Volkswagen:** Amarok 3.0, V6, TDI 2016... | Touareg (7P5) 3.0 V6 TDI 01/2010...**ALTERNADOR / Alternator****Bosch:** 0121715180 - **Lester:** 11287 | 11730 | 11731 | 20138 | 20752 - **Volkswagen:** 059903018A | 059903018B | 059903018K | 059903018S | 059903023T | 059903018SX**EQUIVALENTE / Equivalent****Audi:** 059903119G | 059903119H | 059903119L - **Bosch:** F00M349911 | F00M991264 - **Hitachi:** GD115071 - **IKA:** 354671 - **INA:** F55162301 - **Luk:** 535022210  
**Valeo:** 2604159 | 2612688 - **WAI:** 2491328**5596****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Opel:** Meriva (B) 1.4 06/2010... - **Vauxhall:** Meriva Mk II (B) 1.4 06/2010...**ALTERNADOR / Alternator****Bosch:** 0124425084 - **Lester:** 20328 | 20329 - **Opel:** 13284408**EQUIVALENTE / Equivalent****Bosch:** F00M992719 - **General Motors/Chevrolet:** 13285531 - **IKA:** 354641 - **INA:** F56233101 - **Luk:** 535022410 - **WAI:** 2491117**5597****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Mazda:** 3 (BK) - 2.3 DiSi Turbo MPS 06/2006...06/2009 | 3 (BK) - 2.3 MPS (191 kW) 12/2006...06/2009 | 3 (BK) - 2.3 MPS (196 kW) 01/2007...06/2009 | 3 (BK) - 2.3 MZR 03/2004...03/2009 | 3 (BK) - 2.3 MZR Sport 10/2003...06/2009 | 3 (BL) - 2.3 MPS Turbo 06/2009... | 3 Sedan (BK) - 2.3 03/2004...03/2009 | 6 (GG) - 2.3 MPS Turbo 12/2005...08/2007 | Atenza (GG) - 2.3 MPS Turbo 12/2005...08/2007 | CX-7 (ER) - 2.3 DISI 01/2012... | CX-7 (ER) - 2.3 DISI AWD 01/2012... | CX-7 (ER) - 2.3 MZR DISI Turbo AWD 01/2007... | CX-7 (ER) 2.3 MZR DISI Turbo 01/2007...**ALTERNADOR / Alternator****Lester:** 11169 - **Mazda:** L3M618300A | L3M618300B | L3M618300C | L3M618300R0A**EQUIVALENTE / Equivalent****IKA:** 354711 - **INA:** F552714 | F55271401 | F55271402 - **Luk:** 535022510 - **Mazda:** L3M618W11 | L3M618W11A | L3M618W11B - **WAI:** 2483295**5598****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Honda:** Accord VIII (CU) 2.2 i-DTEC 07/2008... | Accord VIII Combi 2.2 i-DTEC 07/2008... | Civic IX (FB,FG) 1.8 02/2012... | Civic IX (FK) 1.6 i-DTEC 02/2013... | Civic IX (FK) 2.2 i-DTEC 02/2012... | CR-V III (RE) 2.2 i-CTDi 4WD 01/2007... | CR-V III (RE) 2.2 i-DTEC 4WD 01/2007... | CR-V IV (RE) 1.6 i-DTEC 10/2013... | CR-V IV (RE) 2.2 i-DTEC AWD 10/2012...**ALTERNADOR / Alternator****Denso:** 1042101140 | 1042101150 | 1042108040 - **Honda:** 31100R3LG01 | 31100RFWG01 | 31100RFWG51 | 31100RL0G01 | 31100RL0G51 | 31100RSXG01 | 31100RZ0G01 - **Lester:** 11128**EQUIVALENTE / Equivalent****Honda:** 31141RL0G01 - **IKA:** 354701 - **INA:** F563515 - **Luk:** 535022910 - **NSK:** 4DFB503238

**5599****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Mitsubishi:** Canter Caminhão de plataforma chassis (FB,FE,FG) 3.0 Diesel (96,107,129kW) 08/2005...11/2010**ALTERNADOR / Alternator****Bosch:** 0124525216 | 0124555063 | 0124655091 | 0125811043 | 0125811044 | F000BL0622 | HD8E14V75140A - **Iveco:** 5801580938 - **Lester:** 20906 - **Mitsubishi:** MK667722 | MK667723 | MK667725**EQUIVALENTE / Equivalent****Bosch:** F00M992774 - **IKA:** 354771 - **INA:** F560671 | F56067102 - **Luk:** 535023510**5601****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación****Toyota:** Yaris 1.4 D-4D (66kW) 11/2005...11/2008**ALTERNADOR / Alternator****Bosch:** 0124225055 - **Lester:** 24121 - **Toyota:** 270600N011**EQUIVALENTE / Equivalent****Bosch:** F00M991250 - **Cargo:** 330185 - **IKA:** 354761 - **INA:** F587627 - **Luk:** 535023810 - **NTN:** 360V11 - **Toyota:** 2741533060**5602****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 91

**APLICAÇÃO / Application / Aplicación****Audi:** A4 (8K2, B8) - 3.0 TFSI quattro 02/2012... | A4 (8K2, B8) - 3.2 FSI 09/2008... | A4 (8K2, B8) - 3.2 FSI quattro 11/2007... | A4 (8K2, B8) - S4 quattro 11/2008... | A4 3.2 FSI (8K5) 04/2008... | A4 3.2 FSI (8KS) 11/2007... | A4 Avant (8K5, B8) - 3.0 TFSI quattro 02/2012... | A4 Avant (8K5, B8) - 3.2 FSI 09/2008... | A4 Avant (8K5, B8) - 3.2 FSI quattro 04/2008... | A4 Avant (8K5, B8) - S4 quattro 11/2008... | A4 S4 (8KS, 8K5) 11/2008... | A5 (8T3) - 3.0 TFSI quattro 12/2011... | A5 (8T3) - 3.2 FSI, 3.2 FSI quattro 06/2007... | A5 (8T3) - S5 quattro 10/2011... | Q5 3.2 FSI 11/2008...**ALTERNADOR / Alternator****Lester:** 11461 | 11462 | 11800 - **Valeo:** 440243 | 440244 - **Volkswagen:** 06E903016Q | 06E903016S | 06E903018L**EQUIVALENTE / Equivalent****Audi:** 06E903119Q - **Gates:** OAP7139 - **IKA:** 354391 - **INA:** F556311 - **Luk:** 535020710 - **Valeo:** 595333 | 2603568 - **WAI:** 2494279**5603****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** 159 1.8 Tbi 05/2009... | Brera 1.8 Tbi 05/2009... | Giulietta 1.8 Tbi 04/2010... | Spider 1.8 Tbi 05/2009...**ALTERNADOR / Alternator****Alfa Romeo:** 51854898 - **Denso:** 1012101320 | 1012101321 | MS1210411580 - **Lester:** 11022 - **Remy:** DRA0929**EQUIVALENTE / Equivalent****Alfa Romeo:** 77365271 - **Gates:** OAP7147 - **IKA:** 354531 - **INA:** F563795 - **Luk:** 535021310 - **WAI:** 2482318**5604****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación****Fiat:** Ducato 140 Natural Power, 140 Natural Power 3.0 04/2009... | Ducato 160 Multijet Power 3.0 D 07/2006...**ALTERNADOR / Alternator****Audi:** 06E903016M - **Fiat:** 504280012 - **Lester:** 23905 - **Lucas Indiel:** LRA03179 - **Valeo:** 439630 | 440197 | 2543538 | FG18S022**EQUIVALENTE / Equivalent****Fiat:** 77364797 - **IKA:** 354561 - **INA:** F559894 - **Luk:** 535017610 - **SKF:** VKM03210 - **Valeo:** 2604651**5605****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación****Audi:** A6 2.8 FSI (154kW) 11/2006...10/2008 | A6 2.8 FSI quattro (154kW) 06/2007...10/2008 | A6 2.8 FSI, 2.8 FSI quattro (140kW) 10/2008...03/2011 | A6 2.8 FSI, 2.8 FSI quattro (162kW) 10/2008...03/2011 | A6 2.8 FSI, 3.0 TFSI quattro (162-213kW) 10/2008...03/2011 | A6 3.0 TFSI quattro (220kW) 10/2008...03/2011 | A6 3.2 FSI, 3.2 FSI quattro (188kW) 05/2004...10/2008 | A6 Avant 2.8 FSI (140kW) 10/2008...08/2011**ALTERNADOR / Alternator****Audi:** 06E903016T | 06E903018H - **Bosch:** 0121715022 | 0121715050 | 0121715075 | 0121715078 - **Lester:** 11222 | 11478

**5605****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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EQUIVALENTE / Equivalent

**Audi:** 06E903119L | 06E903119R - **Bosch:** F00M349835 | F00M991278 | F00M992709 | F00MA47700 - **Cargo:** 333072 - **IKA:** 354311 - **INA:** F558658 | F55865801 | F55865802 - **Luk:** 535020110 - **WAI:** 2491340**5607****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Nissan:** Cabstar 28.11, 35.13, 45.13 10/2006... | Frontier (D40) 2.5 DCI 4WD 04/2006... | Frontier 2.5 TDI CD SE 4X4 02/2012...12/2016 | Navara (D40) 2.5L 4CYL Turbo Diesel 04/2008...2010 | Pick Up (D22) 2.5 DI 03/2002...

ALTERNADOR / Alternator

**Lester:** 20553 | 23917 - **Melco:** A2TJ1081 | A3TJ0781 | A3TJ0781AE | A3TJ0781ZE - **Mitsubishi:** A2TX1781 | A2TG1081ZT - **Nissan:** 231001AT1A | 23100EB310 | 23100EB315 | 23100EB31B | 23100EB71A

EQUIVALENTE / Equivalent

**IKA:** 354111 - **INA:** F55238601 - **Luk:** 535017710 - **Mitsubishi:** A252C564FE - **Nissan:** 23151EB30A - **Ruville:** 56831 - **SKF:** VKM06201**5608****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Ford:** Focus II (DA) 2.5 ST out/05 - **Volvo:** C70 D5 03/2006... | C70 II 2.4, 2.4 i, T5 03/2006... | C70 II Cabriolet T5 mar/07 | S40 II 2.4 jan/04

ALTERNADOR / Alternator

**Denso:** 1042103550 | 1042103560 | 1042104640 - **Ford:** 3M5T10300JC | 3M5T10300JD | 3M5T10300SC | 3M5T10300SD - **Lester:** 11054 | 11093 | 20424 - **Volvo:** 8603268 | 8603496 | 30667103 | 30737529 | 36001463

EQUIVALENTE / Equivalent

**Cargo:** 331742 - **IKA:** 354621 - **INA:** F582200 - **Luk:** 535021810 - **Ruville:** 59981 - **WAI:** 2482280 | 2482312**5609****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

APLICAÇÃO / Application / Aplicación

**Lexus:** IS II 200d, 220d - **Mercedes Benz:** C Class Estate (S203) C 320 CDI (203.220) 06/2005...08/2007 - **Toyota:** Auris 2.0, 2.2 D-4D mar/07 | Avensis 2.0, 2.2 D-4D | Corolla 2.0, 2.2 D-4D | Dyna 3.0 | Hiace IV, V 2.5 D-4D | Land Cruiser 3.0 D-4D | RAV 4 III 2.2 D-4D | Verso 2.0, 2.2 D-4D

ALTERNADOR / Alternator

**Lester:** 20226 | 20779 | 23313 | 23947 | 24056 | 24110

EQUIVALENTE / Equivalent

**Cargo:** 330527 - **IKA:** 354731 - **INA:** F585322 - **Luk:** 535023210 - **Toyota:** 274150L050 | 2741526010 | 2741530010 | 2741530011 - **WAI:** 2482310**5610****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

APLICAÇÃO / Application / Aplicación

**Subaru:** Forester (SH)2.0 D 09/2008... | Impreza 2.0 D 01/2009... | Legacy IV 2.0 D 02/2008... | Outback 2.0 D 09/2008...

ALTERNADOR / Alternator

**Mitsubishi:** A3TG4381 | A3TX0581 | A3TX0781 | A2TX2381A | A003TG4381 | A003TX0581 | A003TX0781 | A002TX2381A - **Subaru:** 23700AA590 | 23700AA640 | 23700AA660 | 23700AA661 | 23700AA662 | 23700AA730 | 23700AA731 | 23700AA732

EQUIVALENTE / Equivalent

**IKA:** 354551 - **INA:** F558333 - **Luk:** 535016710 - **Ruville:** 59921 - **SKF:** VKM 06800 - **Subaru:** 23750AA060**5611****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

APLICAÇÃO / Application / Aplicación

**Opel:** Signum 2.0Turbo/2.2 05/2003...

ALTERNADOR / Alternator

**Bosch:** 0124425048 | 0124425061 - **Lester:** 22586 - **Opel:** 93176035 | 93186763 | 93190894 | 555559583

EQUIVALENTE / Equivalent

**Bosch:** F00M147875 | F00M991246 - **General Motors/Chevrolet:** 55558734 - **IKA:** 353801 - **INA:** F552861 - **Luk:** 535016910 - **Opel:** 1204419 - **Ruville:** 55378  
**SKF:** VKM03510

**5612****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**Citroën:** C-Crosser 2.4 16V ago/08 - **Mazda:** 3 (BK) 10/2003...12/2009 | 3 (BL) 06/2009... | 6 (GG) 06/2002...08/2007 | 6 Station Wagon (GY) 08/2002...12/2007 - **Mitsubishi:** ASX 1.8 fev/02 | Lancer 1.8, 2.0 | Outlander II 2.0, 2.4 - **Nissan:** March IV (K13) 05/2010... | Micra IV (K13) 1.2 DiG abr/11 - **Peugeot:** 4007 (GP) 2.4 16V jan/08

**ALTERNADOR / Alternator**

**Citroën:** 5705KA - **Lester:** 11026 | 11377 | 11543 | 11556 | 13996 - **Mazda:** L8Y018330 | LF1818300 | Z66818300 | Z66818300A - **Mitsubishi:** 1800A053 | 1800A121 | 1800A155 | 1800A288 | 1800A388 | 1800A452 | 1800A459 | A3TG3181 | A002TJ0881 | A002TX0881 | A003TG0081 | A003TG2881 | A003TG3181 | A003TJ0182 | A003TL0081 | A004TJ0181 | A003TG0081A | A002TX1981ZT | A003TJ0181ZC | A004TJ0181ZC - **Nissan:** 231003HD1A | 231003HD1B | 231003HN1A | 231003HN1B | 231003VS1A | 231003VS5M | 231513HD1A | 23700AA78A | 23700AA790 - **Subaru:** 23700AA791 | 23700AB030

**EQUIVALENTE / Equivalent**

**INA:** F552562 | F577572 | F55256201 - **Luk:** 535014510 | 535024610 - **Mitsubishi:** 1800A061 | 1800A313 - **Subaru:** 23750AA070

**5613****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Sonata V 2.0 VVTi - **Kia:** Carens III 2.0 | Magentis 2.0 - **Toyota:** Auris 1.4 D-4D 03/2007...01/2009 | Corolla 1.4D/D-4D 07/2004...01/2009

**ALTERNADOR / Alternator**

**Denso:** 1042104101 - **Hyundai:** 3730025301 | 3730025310 - **Lester:** 11202 | 11492 | 11508 | 23843 - **Toyota:** 270600N021 | 2706033071 | 2706037010

**EQUIVALENTE / Equivalent**

**Cargo:** 330359 - **Denso:** 021319130 | 021319131 | 021319132 - **Hyundai:** 3732125301 - **IKA:** 354231 - **INA:** F581518 - **Luk:** 535021910 - **Ruville:** 59982 - **Toyota:** 2741533050 - **WAI:** 2482118

**5614****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**Infiniti:** EX 09/2007... | FX 07/2008... | M (Y51) 03/2010... | Q70 (Y51) 03/2013... | QX50 08/2013... | QX70 08/2013... - **Nissan:** Armada (R51) 01/2005... | Frontier (D40) 10/2004... | Navara (D40) 3.0 dCi 4WD Diesel mar/10 | Pathfinder 3.0 dCi Diesel ago/10 | Qashqai 1.6

**ALTERNADOR / Alternator**

**Lester:** 20381 | 30383 - **Nissan:** 231001BN1A | 231001HH1B | 231001KA1C | 231001KA2M | 231003HM1B | 231003XA0A | 231003XA1A | 231003XA2A | 231004KJ0A | 231004KJ0B | 231005JU0A | 231005ME1A | 231005X21A | 231005X25M | 23100BR01A | 23100JXA0A | 23100JXN0A | 231504KJ0A | 231504KJ0B | 231515X21B

**EQUIVALENTE / Equivalent**

**IKA:** 354801 - **INA:** F561899 | F587493 - **Luk:** 535023910 - **Melco:** A252C556FE | A252C566FD - **Nissan:** 231515X21A

**5622****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**BMW:** 3 (E46) 12/1997...05/2005 | 3 (E90) 02/2004 ... 02/2012 | 3 Compact (E46) 03/2001 ... 02/2005 | 3 Coupé (E46) 12/1998 ... 07/2006 | 3 Coupé (E92) 01/2005 ... 12/2013 | 3 Descapotable (E46) 04/2000 ... 12/2007 | 3 Descapotable (E93) 05/2006 ... 12/2013 | 3 Touring (E46) 06/1999 ... 07/2005 | 3 Touring (E91) 12/2004 ... 12/2012 | 5 (E60) 12/2001 ... 03/2010 | 5 Touring (E61) 03/2004 ... 12/2010 | 6 Descapotable (E64) 03/2004 ... 12/2010 | 7 (E65, E66, E67) 07/2001 ... 12/2009 | X3 (E83) 01/2003 ... 12/2011  
**General Motors/Chevrolet:** Cruze Hatch 1.8 Motor a gasolina, 4 Cil. Transmissão Automática | Cruze Sedan 1.8 Motor a Gasolina 4 Cil. Transmissão Automática 6 marchas | Tracker 1.8 Motor a gasolina 4 Cil. - **Opel:** Astra J 1.4 Ecoflex 12/2009... | Astra J 1.6 12/2009... | Astra J 1.6 Turbo 12/2009... | Insignia 1.6, 1.6 Turbo 07/2008... | Insignia 1.8 07/2008... - **Vauxhall:** Astra MK VI 1.4 i 16v VVT 12/2009... | Astra MK VI 1.6 i 16v VVT 12/2009...

**ALTERNADOR / Alternator**

**BMW:** 2248296 | 2248297 | 7789980 | 7789983 | 7797521 | 7797522 | 7797660 | 7797661 | 7799204 | 7800308 | 7802928 | 7802929 | 8517261 | 12312248296 | 12312248297 | 12317789980 | 12317789983 | 12317797521 | 12317797522 | 12317797660 | 12317797661 | 12317799204 | 12317800308 | 12317802928 | 12317802929 | 12318517261 - **Buick:** 24103629 - **General Motors/Chevrolet:** 13579663 | 13579669 | 13581885 | 13595628 | 55567951 | 55580126 | 95519871 - **Lester:** 21512 | 21514  
**Opel:** 1202120 | 1202190 | 1202235 | 1202244 | 1202263 | 1202284 | 1202310 | 1202435 | 1204180 | 1204292 | 1204654 | 13500577 | 13500582 | 13502595 | 13579666

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 55567951 - **INA:** F563424 | F580007 | F56342401 | F56342402 - **KDAC:** 222588 - **Luk:** 535020210 - **Opel:** 1204178 - **Ruville:** 59964  
**WAI:** 2412510

**5623****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**BMW:** 1 (E81) 09/2006...09/2012 | 1 (E87) 02/2003...01/2013 | 1 (F20) 07/2011...06/2019 | 1 (F21) 12/2011... | 1 Coupé (E82) 10/2006...10/2013 | 1 Descapotable (E88) 12/2007...12/2013 | 2 Coupé (F22, F87) 10/2012... | 3 (E90) 02/2004...02/2012 | 3 (F30, F80) 11/2011...10/2018 | 3 Coupé (E92) 01/2005...12/2013 | 3 Descapotable (E93) 05/2006...12/2013 | 3 Gran Turismo (F34) 07/2012... | 3 Touring (E91) 12/2004...12/2012 | 3 Touring (F31) 07/2012...06/2019 | 4 Coupé (F32, F82) 07/2013... | 4 Descapotable (F33, F83) 10/2013... | 4 Gran Coupe (F36) 03/2014... | 5 (E60) 12/2001...03/2010 | 5 (F10) 01/2009...10/2016 | 5 Gran Turismo (F07) 01/2009...02/2017 | 5 Touring (E61) 03/2004...12/2010 | 5 Touring (F11) 11/2009...02/2017 | X1 (E84) 03/2009...06/2015 | X3 (E83) 01/2003...12/2011 | X3 (F25) 09/2010...08/2017 | X5 (F15, F85) 08/2013...07/2018 - **General Motors/Chevrolet:** Aveo Fastback (T300) 03/2011... | Aveo Sedan (T300) 03/2011... | Malibu (V300) 01/2012... | Trax 12/2012... - **Opel:** 9-5 (YS3G) 1.6 Turbo 01/2010...01/2012 | 9-5 (YS3G) 2.0 TTD 01/2010...01/2012 | 9-5 (YS3G) 2.0 TTD XWD 01/2010...01/2012 | Adam (M13) 10/2012...02/2019 | Astra J 1.3 CDTi Ecoflex 12/2009... | Astra J 1.4 Turbo e Ecoflex 12/2009... | Astra J 1.6, 1.6 Turbo 12/2009... | Astra J 2.0 CDTi 12/2009... | Cascada (W13) 03/2013...04/2019 | Corsa D (S07) 07/2006...08/2014 | Corsa D Furgoneta/hatchback (S07) 07/2006...08/2014 | Insignia 1.6, 1.8, 2.0 07/2008... | Meriva B Monospace (S10) 06/2010...03/2017 | Meriva B Van (S10) 06/2010...03/2017 | Mokka / Mokka X (J13) 06/2012... | Zafira Tourer C (P12) 10/2011... | Zafira Tourer C Van (P12) 10/2011... - **Saab:** 9-5 2.0 TTD 05/2010...  
**Vauxhall:** Astra MK VI 1.3 CDTi 16V 12/2009... | Astra MK VI 1.4 i 16v VVT TURBO 12/2009... | Astra MK VI 2.0 CDTi 12/2009... | Zafira Mk III (P12) 10/2011...08/2018

**ALTERNADOR / Alternator**

**BMW:** 12317802261 | 12317802619 | 12317805432 | 12317808073 | 12317823343 | 12317823344 | 12317823345 | 12317823347 | 12318507623 | 12318507624 | 12318507625 | 12318509022 | 12318509023 | 12318509024 | 12318578608 | 12318578609 | 12318579419 | 12318579420 - **General Motors/Chevrolet:** 10320213 | 13505392 | 13577154 | 13588289 | 13588303 | 13588305 | 13588306 | 15283754 | 15875992 | 95515972 - **Lester:** 11022 | 11399 | 11560 | 11734 | 11822 | 20202 | 20505 | 20888 - **Opel:** 1202119 | 1202187 | 1202188 | 1202189 | 1202191 | 1202215 | 1202309 | 1202310 | 1202318 | 1202342 | 1204621 | 1204622 | 1204623 | 1204642 | 13500314 | 13500329 | 13500583 | 13500586 | 13502581 | 13502582 | 13502593 | 13502594 | 13502987 - **Valeo:** FG12S031 | FG18D057 | FG18D111 | FG18S019 | FG18S045 | FG18S052 | FG18S141 | FG23S032 | FG23S033 | TG12C036 | TG12C052 | TG12C069 | TG12C070 | TG12C074 | TG12C103 | TG12C105 | TG13S011 | TG13S019 | TG13S027

**EQUIVALENTE / Equivalent**

**Dayco:** ALP2416 - **General Motors/Chevrolet:** 13258483 - **INA:** F239807 | F563248 | F570802 | F56324801 | F56324802 - **Luk:** 535020310 - **Opel:** 1204177 - **Ruville:** 59965 - **Swag:** 40934599 - **Valeo:** 588028 | 2613294 | 4605956 - **WAI:** 2494284

**5624****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**Opel:** Insignia 2.0 CDTi 07/2008... - **Vauxhall:** Astra MK VI 2.0 CDTi 12/2009...

**ALTERNADOR / Alternator**

**Lester:** 20079 - **Opel:** 13502583

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 55565443 - **INA:** F563945 - **KDAC:** 222598 - **Luk:** 535020410 - **Opel:** 1204291 - **Ruville:** 59966

**5625****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**Opel:** Astra GTC J 1.7 CDTi Diesel | Astra J 1.7 CDTi Diesel | Astra J Sportstourer 1.7 CDTi Diesel

**ALTERNADOR / Alternator**

**Lester:** 20046 - **Opel:** 1202117 | 13500186

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 55568459 - **IKA:** 354821 - **INA:** F564626 - **Luk:** 535022710 - **Opel:** 1204290 - **Ruville:** 59992

**5626****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 92

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Cruze Hatchback (J305) 1.7 Diesel | Cruze Station Wagon (J308) 1.7 TD Diesel | Trax 1.7 TD AWD Diesel - **Opel:** Astra GTC J 1.7 CDTi Diesel | Astra J 1.7 CDTi Diesel | Meriva B 1.7 CDTi Diesel | Mokka 1.7 CDTi Diesel

**ALTERNADOR / Alternator**

**Lester:** 20587 - **Opel:** 1202118 | 13500187 | 13579626

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 55566587 - **IKA:** 354811 - **INA:** F564321 - **Luk:** 535022810 - **Opel:** 1204188 - **Ruville:** 59993

**5627****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 159 1.9 JTDM 8/16 V | 159 SW 1.9 JTDM - **Fiat:** Bravo 1.9 JTD 16 V | Croma 1.9 JTD 8/16 V | Grand Punto 1.9 JTD | Stilo 1.9 JTD 16V, S.W - **Opel:** Astra H 1.9 CDTi | Signum 1.9 CDTi | Vectra C 1.9 CDTi | Zafira B 1.9 CDTi 07/2005...

**5627****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

ALTERNADOR / Alternator

Bosch: 0124425100 - Lester: 20417

EQUIVALENTE / Equivalent

Bosch: F00M992730 - IKA: 354651 - INA: F559569 - Luk: 535023410 - Ruville: 55395

**5628****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Cruze 1.4 | Orlando 1.4 - Opel: Astra J 1.4 | Cascada 1.4 | Corsa D 1.2, 1.4 LPG | Insignia 1.4 | Meriva B 1.4 | Zafira C 1.4

ALTERNADOR / Alternator

Lester: 11560 | 11654 | 24109 - Opel: 1202243 | 13581893

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 55579927 | 55580127 - IKA: 354741 - INA: F56324803 - Luk: 535024210 - Opel: 1204293 | 1204301 - Ruville: 59013 - Valeo: 2613294 | 2618008

**5629****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

APLICAÇÃO / Application / Aplicación

Citroën: Berlingo 1.6 HDi 04/2008... | Berlingo 1.6 HDi 75 07/2005... | Berlingo 1.6 HDi 90 07/2005... | C2 1.4 HDi 09/2003... | C2 1.6 HDi 09/2005... | C3 1.4 HDi 16V, 1.4 HDi 02/2002... | C3 1.6 16V HDi, 1.6 HDi 10/2005... | C3 1.6 HDi 11/2009... | C4 1.6 HDi 90, 1.6 HDi 110 FAP 11/2004... | C5 1.6 HDi 09/2004...02/2008 | XSara Picasso 1.6 HDi 05/2004... - Fiat: Ducato 2.0 | Scudo 1.6, 1.9 e 2.0 | Ulysse 2.0 e 2.2 - Ford: Fiesta V 1.4 TDCi 11/2001... | Fiesta V 1.6 TdCi 11/2004... | Fiesta Van 1.4 TdCi 10/2003... | Fiesta VI 1.4 TDCi, 1.6 TDCi 10/2008... - Lancia: Phedra 2.0 e 2.2 - Mazda: 2 1.4 MZR 01/2008... | 2 1.6 MZ-CD 10/2008... | 3 BL 1.6 MZR-CD 06/2009... - Peugeot: 1007 1.4 HDi, 1.6 HDi 04/2005... | 107 1.4 HDi 06/2005... | 206 1.4 HDi, 1.6 HDi FAP 110 09/2001... | 207 1.4 HDi, 1.6 HDi 02/2006... | 3008 1.6 HDi 06/2009... | 307 1.4 HDi, 1.6 HDi 10/2001... | 308 1.6 HDi 09/2007... | 407 1.6 HDi FAP 110 05/2004... | 5008 1.6 HDi 09/2009... | Bipper AA 1.4 HDi 02/2008... | Expert 1.6 HDi 90 01/2007... | Partner 1.6 HDi 04/2008... | Partner 1.6 HDi 75 02/2006... | Partner 1.6 HDi 90 02/2006... - Suzuki: SX4 1.6

ALTERNADOR / Alternator

Fiat: 9646321780 - Ford: 8V2110300AB | 8V2110300BB - Lester: 20029 | 20130 | 20256 | 20649 | 20653 | 20667 | 23301 | 24052 | 24053 | 24078 | 24079 | 24080

Mazda: Y40518300 | Y40618300 - Peugeot: 5705AS | 5705EY | 9670899580 - Renault: 9665617780 - Valeo: 437471 | 440199 | 5705AS | 5705EY | 2610711D | TG12C038 | TG12C106 | TG15C118 | TG15C134 | 216181351 | Y40518300 | Y40618300 | 8V2110300AB | 8V2110300BB

EQUIVALENTE / Equivalent

IKA: 354351 - INA: F23659102 | F23659105 | F23659107 - Luk: 535019410 - Ruville: 59956 - Valeo: 2601052 | 2602892 | 2603530

**5630****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

APLICAÇÃO / Application / Aplicación

Mercedes Benz: A Class (W176) 06/2012...

ALTERNADOR / Alternator

Bosch: 0124525096 - Renault: 8200459716

EQUIVALENTE / Equivalent

Bosch: F00M147828 | F00M591117 | F00M599463 | F00M991229 - Cargo: 235733 - IKA: 353421 - INA: F583172 | F55021306 - Luk: 535012310 - Mercedes Benz: 6071500060 - Ruville: 59916

**5631****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

APLICAÇÃO / Application / Aplicación

Audi: A4 (8EC, B7) 11/2004...06/2008 | A4 Avant (8ED, B7) 11/2004...06/2008 | A4 Cabriolet (8H7, B6, 8HE, B7) 04/2002...03/2009 | A6 (4F2, C6) 05/2004...03/2011 | A6 Avant (4F5, C6) 03/2005...08/2011

ALTERNADOR / Alternator

Audi: TG16C011 | 06E903016E | 06E903016F | 06E903016G | 06E903016K - Lester: 11160 | 11162 | 23829

EQUIVALENTE / Equivalent

Audi: 06E903119E | 06E903119P - INA: F23977901 | F23977902 | F23977903 - Luk: 535013010 - Ruville: 55380 - Valeo: 593920 | 2602216 | 2604507 - WAI: 2494283



**5632****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación**

**Audi:** A4 (8D2, B5) 11/1994...09/2001 | A4 (8E2, B6) 11/2000...12/2004 | A4 (8EC, B7) 11/2004...06/2008 | A4 Avant (8D5, B5) 11/1994...09/2001 | A4 Avant (8E5, B6) 04/2001...12/2004 | A4 Avant (8ED, B7) 11/2004...06/2008 | A4 Convertible (8H7, B6, 8HE, B7) 04/2002...03/2009 | A6 (4B2, C5) 01/1997...01/2005 | A6 Avant (4B5, C5) 11/1997...01/2005

**ALTERNADOR / Alternator**

**Audi:** 06B903016S | 06B903016AA - **Lester:** 23116 | 23256

**EQUIVALENTE / Equivalent**

**Audi:** 06B903119A - **Dayco:** ALP2380 - **Gates:** OAP7087 - **INA:** F234739 | F23473903 | F23473904 | F23473905 - **Luk:** 535003610 - **Ruville:** 55755 - **SKF:** VKM03117  
**Valeo:** 584259 | 593494 | 2548703A

**5633****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación**

**BMW:** 1 (E81) 09/2004...09/2012 | 1 (E87) 11/2003...09/2012 | 1 Convertible (E88) 03/2008... | 1 Coupe (E82) 10/2007... | 3 (E90) 01/2005...12/2011 | 3 Convertible (E93) 08/2006... | 3 Coupe (E92) 06/2006... | 3 Touring (E91) 09/2005... | 5 (E60) 07/2003...03/2010 | 5 Touring (E61) 06/2004... | X5 (E70) 02/2007...12/2012

**ALTERNADOR / Alternator**

**BMW:** 12317542351 | 12317550469 | 12317558219 | 12317558220 | 12317560985 | 12317560986 - **Bosch:** 0121715016 | 0121715017 | 0121715018 | 0121715116 | 0121715117 | 0121715118 - **Lester:** 11302 | 11362 | 20446

**EQUIVALENTE / Equivalent**

**BMW:** 12317560678 - **Bosch:** 0121C00401 | F00M349824 | F00M349899 | F00M391158 | F00M991260 - **Gates:** OAP7084 - **INA:** F55400702 | F55400703 - **Luk:** 535016410 - **Ruville:** 59918 - **SKF:** VKM03873 - **WAI:** 2491113

**5634****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación**

**Ford:** Mondeo IV (BA7) 03/2007... | Mondeo IV Saloon (BA7) 03/2007... | Mondeo IV Turnier (BA7) 03/2007... | S-Max (WA6) 05/2006... - **Volvo:** S40 II (MS) 01/2004... | S60 I 07/2000...04/2010 | S60 II 04/2010... | S80 II (AS) 03/2006... | V50 (MW) 04/2004... | V60 09/2010... | V70 II (SW) 03/2000...08/2007 | V70 III (BW) 08/2007... | XC60 05/2008... | XC70 Cross Country 11/1997...08/2007 | XC70 II 08/2007... | XC90 I 10/2002...

**ALTERNADOR / Alternator**

**Bosch:** 0121615005 | 0121715008 - **Ford:** 1379701 | 1388004 | 30667118 | 30667119 | 36000037 | 36000038 | 6G9N10300HA | 6G9N10300HB | 6G9N10300HC | 6G9N10300HD | 6G9N10300JB | 6G9N10300JD - **Lester:** 20620 | 20855 | 23976 | 24142

**EQUIVALENTE / Equivalent**

**Bosch:** F00M349813 | F00M391113 | F00M391139 - **INA:** F553392 | F55339201 - **Luk:** 535012110 - **Ruville:** 59911 - **SKF:** VKM03653 - **Volvo:** 30667682 - **WAI:** 2491301

**5635****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**BMW:** 1 (F20) 11/2010... | 1 (F21) 12/2011... | 2 Coupe (F22) 10/2013... | 3 (F30, F35, F80) 10/2011... | 3 Gran Turismo (F34) 03/2013... | 3 Touring (F31) 10/2011... | 4 Convertible (F33, F83) 10/2013... | 4 Coupe (F32, F82) 07/2013... | 5 (F10, F18) 03/2010... | 5 Touring (F11) 04/2010...12/2011 | Gran Coupe (F36) 03/2014... | X1 (E84) 03/2009... | X3 (F25) 09/2010... | Z4 (E89) 05/2009... - **Ford:** B-MAX 10/2012... | EcoSport 09/2011... | Fiesta VI 06/2008... | Focus III 04/2011... | Focus III Saloon 04/2011... | Focus III Turnier 05/2011... | Ka Motor 1.0 12V Flex 2014...2016 | Tourneo Courier Kombi 02/2014... | Transit Courier Box 02/2014...

**ALTERNADOR / Alternator**

**Denso:** 1042101731 | 1042103320 | BC1042107002 - **Ford:** E3B510300AC - **Lester:** 20501 | 20530

**EQUIVALENTE / Equivalent**

**Denso:** 0210402400 - **INA:** F580452 - **Luk:** 535026810

**5638****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación**

**Ford:** Transit Box (FA) 01/2000...05/2006 | Transit Bus (FD, FB, FS, FZ, FC) 01/2000...05/2006 | Transit Platform/Chassis (FM, FN) 01/2000...05/2006

**ALTERNADOR / Alternator**

**Lester:** 21891 - **Mako:** 1498518 | 4461712 | 2C1T10300BA | R2C1T10300BA

**EQUIVALENTE / Equivalent**

**Gates:** OAP7070 - **INA:** F237045 | F23704502 - **Luk:** 535008710 - **Mako:** 83653301 - **Ruville:** 55284 - **SKF:** VKM03415 - **WAI:** 2491319

**5640****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación****Bongo:** Kia 2.9 TDic e 2.9 TDic 4WD (90kW) 10/2003...**ALTERNADOR / Alternator****Denso:** 021319391 - **Kia:** 373004X310 | 373004X351**EQUIVALENTE / Equivalent****INA:** F554710 | F23161803 | F23161806 | F55471001 - **Kia:** 720110800 - **Luk:** 535009710 - **Ruville:** 57077**5641****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación****Opel:** Astra H (L48) 03/2004... | Astra H Estate (L35) 08/2004... | Astra H GTC (L08) 03/2005... | Astra H Saloon (L69) 02/2007... | Astra H TwinTop (L67) 09/2005... | Corsa D 07/2006... | Meriva 05/2003...05/2010 | Vectra C Estate 10/2003... | Zafira B (A05) 07/2005... | Zafira B Van 07/2005...**ALTERNADOR / Alternator****Bosch:** 0124425060 - **General Motors/Chevrolet:** 93188158 - **Lester:** 11501 - **Opel:** 6204218 | 13222933**EQUIVALENTE / Equivalent****Bosch:** F00M147880 - **Gates:** OAP7074 - **General Motors/Chevrolet:** 55560294 - **INA:** F553322 | F55332201 - **Luk:** 535014310 - **Opel:** 1204484 - **Ruville:** 55379  
**SKF:** VKM03500 - **WAI:** 2491327**5642****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** 145 (930) 07/1994...01/2001 | 146 (930) 12/1994...01/2001 | 156 (932) 09/1997...09/2005 | 156 Sportwagon (932) 01/2000...05/2006 - **Fiat:** Brava (182) 10/1995...06/2003 | Bravo I (182) 10/1995...10/2001 | Doblo Cargo (223) 11/2000... | Marea (185) 09/1996...12/2007 | Marea Weekend (185) 09/1996...12/2007 | Multipla (186) 04/1999...06/2010 | Punto (188) 09/1999...07/2012 | Punto Van (188AX) 02/2000...12/2010 - **Lancia:** Kappa (838A) 08/1994...10/2001 | Kappa SW (838B) 07/1996...10/2001 | Lybra (839AX) 07/1999...10/2005 | Lybra SW (839BX) 07/1999...10/2005**ALTERNADOR / Alternator****Fiat:** 46544329 | 46554408 - **Lester:** 20423 | 21244 | 22596 | 23104 | 23105 | 24085**EQUIVALENTE / Equivalent****Alfa Romeo:** 9948225 - **Fiat:** 9948225 | 55196301 - **INA:** F230866 | F23086601 | F23086603 | F23086608 | F23086609 | F23086612 | F23086614 - **Lancia:** 9948225  
**Luk:** 535014410 | 535034810**5643****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación****Citroën:** Berlingo (B9) 04/2008... | Berlingo Box (B9) 04/2008... | C4 Coupe (LA) 11/2004... | C4 Grand Picasso I (UA) 10/2006... | C4 I (LC) 11/2004... | C4 II (B7) 11/2009... | C4 Picasso I (UD) 02/2007... | C5 III (RD) 02/2008... | C5 III Break (TD) 02/2008... | DS3 11/2009... | DS4 04/2011... | DS5 11/2011... | Mini Coupe (R58) 09/2011... - **Mini:** Mini (R56) 09/2006... | Mini Clubman (R55) 10/2007... 12/2012... | Mini Convertible (R57) 11/2007... | Mini Countryman (R60) 06/2010... | Mini Paceman (R61) 04/2012... | Mini Roadster (R59) 02/2012... - **Peugeot:** 207 (WA,WC) 02/2006... | 207 CC (WD) 02/2007... | 207 SW (WK) 02/2007... | 3008 06/2009... | 308 CC 04/2009... | 308 SW 09/2007... | 5008 06/2009... | 508 11/2010... | 508 SW 11/2010... | Partner Box 04/2008... | Partner Tepee 04/2008... | RCZ 03/2010...**ALTERNADOR / Alternator****BMW:** 12317553009 | 12317562388 | 12317574365 | 12317575650 | 12317575873 | 12317604782 | 12317613445 - **Bosch:** 0121615012 | 0121615027 | 0121615127 | 0125711011 | 0125711078 - **Citroën:** 5702H9 | 5702L3 | 5705JG | 5705KF | V757712180 - **Lester:** 11336 | 23561 - **Peugeot:** 5702G3 | 5705NR - **Steyr Motors:** 7575650  
**Valeo:** 213014410**EQUIVALENTE / Equivalent****Bosch:** F00M349870 | F00M391140 - **INA:** F560565 - **Luk:** 535016610 - **Mini:** 12317561556 | 12317575518 - **Ruville:** 59920 - **WAI:** 2491330**5644****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 93

**APLICAÇÃO / Application / Aplicación****Jeep:** Compass (MK49) 2.2 CRD 4x4 163 HP OM651925 4 Cilindros 12/2010 | Compass (MK49) 2.2 CRD e 4x4 4 Cilindros 136 HP 2143cc 05/2011 | Patriot (MK74) 2.2 CRD 4x4 163 HP 2143cc 4 Cilindros 01/2011...01/2017 - **Mercedes Benz:** C-Class (W204) 01/2007... | C-Class (W205) 12/2013... | C-Class Coupe (C204) 06/2011... | C-Class Estate (S204) 08/2007... | C-Class Estate (S205) 09/2014... | CLS (C218) 01/2011... | CLS Shooting Brake (X218) 10/2012... | E-Class (W212) 01/2009... | E-Class Convertible (A207) 01/2010... | E-Class Coupe (C207) 01/2009... | G-Class (W463) 09/1989... | GL-Class (X166) 07/2012... | GLK-Class (X204) 06/2008... | M-Class (W166) 06/2011... | S-Class (W221) 10/2005... | S-Class (W222, V222, X222) 05/2013... | S-Class Coupe (C215) 03/1999...08/2006 | S-Class Coupe (C216) 05/2006... | S-Class Coupe (C217) 04/2014... | SL (R231) 01/2012... | SLK (R172) 02/2011... | SLS AMG (C197) 03/2010... | SLS AMG Convertible (A197) 06/2011... | Sprinter 3,5-t Box (906) 06/2006... | Sprinter 3,5-t Bus (906) 06/2006... | Sprinter 3-t Box (906) 06/2006... | Sprinter 3-t Bus (906) 06/2006... | Sprinter 4,6-t Box (906) 06/2006... | Sprinter 4,6-t Platform/Chassis (906) 06/2006... | Sprinter 5-t Box (906) 06/2006... | Sprinter 5-t Platform/Chassis (906) 06/2006... | Viano (W639) 09/2003... | Vito Box (W447) 10/2014... | Vito Bus (W639) 09/2003... | Vito Mixto (W447) 10/2014... | Vito Tourer (W447) 10/2014...

**5644****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**ALTERNADOR / Alternator**

**Jeep:** 04801227AA | 04801827AA - **Lester:** 11716 | 11822 | 20091 | 20294 | 20341 | 20656 | 22721 | 23290 | 11822A - **Mercedes Benz:** 2711541802 | A0009060304 | A0009060401 | A0009060501 | A0009060601 | A0009060604 | A0009060706 | A0009061722 | A0009062004 | A0009062100 | A0009062200 | A0009062822 | A0009063000 | A0009063222 | A0009063622 | A0009063722 | A0009065300 | A0009067900 | A0009067902 | A0009068802 | A0009068806 | A0131546802 | A0141541102 | A0141541202 | A0141541402 | A0141541502 | A0141543902 | A6461540102 | A6461540802 | A6461540902 | A6461541102 - **Valeo:** 439585 | 439619 | 440057 | 4339585 | FG15T036 | FG15T079 | FG18S012 | FG18S047 | TG12C063 | TG15C130 | TG15C133 | TG17C041 | TG17C061 | TG23C017 | TG23C022 | FGN18S130

**EQUIVALENTE / Equivalent**

**Gates:** OAP7092 - **INA:** F55290101 | F55290102 | F55290103 | F55290104 | F55290105 | F55290106 | F55290107 - **Luk:** 535016810 - **Mercedes Benz:** A1591500060 | A2781500060 | A6461550115 - **Ruville:** 59922 - **SKF:** VKM03810 - **Valeo:** 588031 | 2604126 | 2604640 | 2610374 - **WAI:** 2494273

**5645****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Toyota:** Echo 1.4 D4d 08/2001...03/2003 | Yares 1.4 D4d 01/1999...12/2005

**ALTERNADOR / Alternator**

**Denso:** 1022115660 | 2706033010 | 2706033020 - **Lester:** 23858

**EQUIVALENTE / Equivalent**

**INA:** F568860 - **Luk:** 535018010 - **Ruville:** 59926 - **SKF:** VKM06111 - **Toyota:** 2741533010 - **WAI:** 2482301

**5646****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Ford:** C-Max II 12/2010... | Fiesta Van 01/2009... | Fiesta VI 06/2008... | Focus III 04/2011... | Focus III Saloon 04/2011... | Focus III Turnier 04/2011... | Galaxy (WA6) 05/2006... | Grand C-Max 12/2010... | Kuga II (DM2) 05/2012... | Mondeo IV Turnier (BAT) 03/2007... | S-Max (WA6) 05/2006... - **Volvo:** S60 II 04/2010... | S80 II (AS) 03/2006... | V40 Hatchback 03/2012... | V70 III (BW) 08/2007...

**ALTERNADOR / Alternator**

**Lester:** 11698 | 20556 - **Valeo:** 1704925 | 1763143 | FG15T063 | FG15T076 | FG17T010 | TG12C107 | BV6N10300AA | BV6N10300BB - **Volvo:** 31285435 | 31285436 | 36001101 | 36001102 | 36002013 | 36002122 | 36002816

**EQUIVALENTE / Equivalent**

**Cargo:** 333436 - **Ford:** AM5Q10A352AA - **IKA:** 354421 - **Litens:** 600999 | 920999 | 1003808 - **Luk:** 535025210 - **Ruville:** 57117 - **Volvo:** 30659849 | 31288893

**5647****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Renault:** Clio Grandtour (KRO/1) 02/2008... | Clio Grandtour IV 01/2013... | Clio III (BR0/1, CRO/1) 05/2005... | Clio IV 11/2012... | Modus (F/JPO) 09/2004...

**ALTERNADOR / Alternator**

**Bosch:** F000BL0457 | F000BL0458 - **Lester:** 20611 - **Renault:** 231003730R

**EQUIVALENTE / Equivalent**

**Bosch:** F000BL106K - **INA:** F580570 - **Luk:** 535026910 - **Ruville:** 55638

**5648****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 500X 09/2014... - **Ford:** C-Max (DM2) 02/2007... | Fiesta Van 01/2009... | Focus II (DA) 11/2004... | Focus II Saloon (DA) 04/2005... - **Mazda:** 3 (BL) 12/2008... | 3 Saloon (BL) 12/2008... - **Volvo:** C30 10/2006...12/2012 | S40 II (MS) 01/2004... | V50 (MW) 04/2004...

**ALTERNADOR / Alternator**

**Denso:** 1042105700 | 1042105710 - **Ford:** 8M5T10300PA | 8M5T10300PB | 8M5T10300YA | 8M5T10300YB - **Lester:** 20674 | 23820 - **Volvo:** 1704085 | 1707062 | 31285592 | 31288154 | 31288155 | 36002577

**EQUIVALENTE / Equivalent**

**Cargo:** 333433 - **Chrysler:** 68254601AA - **Denso:** 0210401900 - **Ford:** 9M5Q10A352AA - **Litens:** 920916 - **Luk:** 535025910 - **Ruville:** 57119

**5649****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

**APLICAÇÃO / Application / Aplicación**

**Audi:** Q7 (4L) 3.6 FSI 08/2006...05/2010 - **Porsche:** Cayenne (955) 3.2 out/03 - **Volkswagen:** Phaeton (3D) 3.2 V6 abr/02 | Phaeton (3D) 3.2 V6 4Motion 02/2004...11/2008 | Touareg (7L6, 7L7) 3.2V6 10/2002...11/2006 | Touareg (7L6, 7L7) 3.2V6 FSI 10/2005...05/2010

**5649****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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ALTERNADOR / Alternator

**Bosch:** 0124615026 - **Jinzhou Halla:** JFZ1929AT1 - **Lester:** 11281 | 23346 - **Porsche:** 95560301700 - **Volkswagen:** 021903026B

EQUIVALENTE / Equivalent

**Audi:** 021903119J | 021903119L - **Bosch:** F00M147761 | F00M991167 | F00M991282 - **Cargo:** 237263 - **Delphi:** 10493077 - **Hitachi:** GD115070 | GD217756 - **INA:** F2354492 | F23544903 | F23544904 | F23544905 - **Luk:** 535008310 - **Porsche:** 94860313500 | 95560315200 - **Remy:** 10493077 - **Ruville:** 55789 - **Seat:** 021903119J | 021903119L - **Skoda:** 021903119J | 021903119L - **Valeo:** 588096 - **Volkswagen:** 021903119J | 021903119L - **WAI:** 2491290**5650****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

**Jeep:** Grand Cherokee

ALTERNADOR / Alternator

**Denso:** 1210003490 - **Lester:** 13444

EQUIVALENTE / Equivalent

**Denso:** 0210401060 - **INA:** F234065 | F558553 - **Jeep:** 05019860AA - **Luk:** 535006110 | 535014110 - **Ruville:** 58620 - **Valeo:** 588101 - **WAI:** 2482113**5651****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** Accelo 915C OM 904.970 05/2003... | Atego 1014 K L 1015 K L 1017 A AK K L... 01/1998...10/2004 | Axor 1823 K 2523 K 2623 L 3228 C - OM 906.920 OM 906.921 01/2002...10/2004

ALTERNADOR / Alternator

**Bosch:** 0120469115 | 0120469117 | 0120469118 | 0121545402 - **Lester:** 12386 - **Mercedes Benz:** 0091547102 | 0091549802

EQUIVALENTE / Equivalent

**IKA:** 335611 - **INA:** F230283 | F238215 | F23821501 | F23821502 | F23821503 - **Luk:** 535005410 | 535007810 - **Mercedes Benz:** 9061550315 | 9061551315 | 9061552115 - **Ruville:** 58833**5652****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Mazda:** 2 | 3 | 6 Estate | 6 Saloon | CX 3 | CX 5

ALTERNADOR / Alternator

**Mazda:** S51C18300 | S51L18300 | S51W18300 | S55118300 | SH0118300 | SH1N18300 - **Mitsubishi:** A2TX3081 | A002TX3081

EQUIVALENTE / Equivalent

**INA:** F570870 - **Luk:** 535024710 - **Mazda:** SH0118330 | SH1A18330 - **Ruville:** 57081**5653****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

**Nissan:** Sentra | Versa

ALTERNADOR / Alternator

**Lester:** 11673 - **Nissan:** 231003RA2B | 231003RC2B | 231003SH2B - **Valeo:** TG12T039

EQUIVALENTE / Equivalent

**INA:** F575777 - **Luk:** 535026510 - **Ruville:** 56838 - **WAI:** 2494300**5654****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

**Fiat:** 500 | Bravo | Doblo | Linea | Panda - **Lancia:** Delta III | Ypsilon

ALTERNADOR / Alternator

**Fiat:** 51718502 | 51788658 | 51854903 | 51859043 - **Lester:** 24017

EQUIVALENTE / Equivalent

**Denso:** 1210411440 - **Fiat:** 77364616 - **IKA:** 353731 - **INA:** F55843202 - **Luk:** 535017110 - **Ruville:** 56029

**5655****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

Citroën: C3 II | DS3 - Peugeot: 2008 | 208 | 301

ALTERNADOR / Alternator

Denso: 102101720 | 9688237380 | 9806007480 - Lester: 20631

EQUIVALENTE / Equivalent

Denso: 1210411990 - IKA: 354851 - INA: F55048701 - Luk: 535026410

**5656****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

Suzuki: Grand Vitara

ALTERNADOR / Alternator

Denso: 1042104660 - Suzuki: 3140067J00 | 3140067J10 | 3140067J00000 | 3140067J10000

EQUIVALENTE / Equivalent

INA: F604438 - Luk: 535026010 - Ruville: 57716 - Suzuki: 3117167J00

**5657****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

Hyundai: Grand Santa Fé | IX35 | Santa Fé II - Jaguar: XF | XF Sportbrake - Kia: Carnival | Sorento II | Sportage - Land Rover: Range Rover Evoque

ALTERNADOR / Alternator

Denso: 1042101060 - Jaguar: C2Z17063 - Land Rover: LR028116 | LR031026 | BJ3210300AC - Lester: 20133

EQUIVALENTE / Equivalent

Denso: 0210402560 - INA: F580053 | F58005301 | F58005302 | F58005303 - Luk: 535026310 - Ruville: 58423

**5658****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 94

APLICAÇÃO / Application / Aplicación

Toyota: Auris 1.4D-4D | Corolla | Urban 1.4D-4D | Verso 1.4D-4D | Yaris 1.4D-4D

ALTERNADOR / Alternator

Denso: 1042102320 | 1042102520 - Lester: 20538 - Toyota: 270600N040 | 2706033100

EQUIVALENTE / Equivalent

IKA: 354891 - INA: F588421 - Luk: 535024010 - Toyota: 2741566070

**5659****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

Hyundai: i10 - Kia: Picanto

ALTERNADOR / Alternator

Hyundai: 3730004030 | 3730004035 | 3730004330 | 3730004335 - Kia: 3730004035 | 3730004330 | 3730004335 - Toyota: 270600N070 - Valeo: 2618819

EQUIVALENTE / Equivalent

Hyundai: 3732204330 - INA: F587370 | F600915 - Luk: 535026610 - Ruville: 58455 - Toyota: 2741533090 - Valeo: 2618822

**5660****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

Volkswagen: California | Caravelle | Multivan | Transporter - Volvo: S60 | S80

ALTERNADOR / Alternator

Bosch: 0123520014 - Lester: 23206 | 24060 - Volkswagen: 074903025L | 074903025S | 074903025LX

EQUIVALENTE / Equivalent

Bosch: 1127011861 | F00M061005 | F00M147736 | F00M991394 - INA: F22782004 | F22782005 | F22782006 | F22782007 | F22782014 - Luk: 535004710 - Ruville: 55722 - SKF: VKM03104 - Volkswagen: 074903119E

**5661****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Hyundai:** Grandeur 2.2 CRDi D4EB (110-114kW) 06/2006... | i30 2.0 CRDi D4EA (103kW) 10/2007...06/2012 | Santa Fé II 2.2 CRDi 2.2 CRDi 4x4 GLS 2.2 CRDi GLS 4x4 D4EB (102-114kW) 03/2006... | Sonata 2.0 CRDi D4EA (100-105kW) 02/2006... | Tucson 2.0 CRDi 2.0 CRDi D4EA (83kW) 08/2004...03/2010 - **Kia:** Carens III 2.0 CRDi 115 135 140 D4EA (85-103kW) 09/2006...

## ALTERNADOR / Alternator

**Denso:** 021319261 | 021319262 - **Hyundai:** 3730027020 | 3730027030 | 3732227020 - **Kia:** 3730027020 | 3730027021 | 3732227020

## EQUIVALENTE / Equivalent

**Hyundai:** 3732227020 - **INA:** F588422 - **Luk:** 535024110 - **Ruville:** 58448

**5662****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Citroën:** C4 Aircross - **Mitsubishi:** ASX | Lancer | Outlander - **Peugeot:** 4008

## ALTERNADOR / Alternator

**Melco:** 1800A271 | 1800A334 - **Mitsubishi:** A2TX1081A | A2TX1081B - **Peugeot:** 1608726580

## EQUIVALENTE / Equivalent

**INA:** F563771 - **Luk:** 535026710 - **Melco:** 1800A201 | 1800A333 - **Ruville:** 57362

**5663****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Citroën:** Jumper - **Fiat:** Ducato - **Iveco:** Daily | Massif - **Peugeot:** Boxer - **Porsche:** 911 | Boxster | Cayman

## ALTERNADOR / Alternator

**Bosch:** 0121615017 | 0124325122 | 0124525064 | 0124525125 | 0125711039 | 0125711083 | 0125711111 | 0125711112 | 0125811039 | 0125811040 | F000BL0704 - **Fiat:** 504057813 | 504087183 | 504204173 | 504385137 | 504385138 | 5801580941 - **Lester:** 23834 | 23835 | 23836 - **Peugeot:** 5705EH | 5705KL | 5705KN - **Porsche:** 9A160301400 | 9A160301801 | 9A160301802

## EQUIVALENTE / Equivalent

**Bosch:** F00M349869 | F00M599441 | F00M599500 | F00M992758 - **Dayco:** TA436 | ALP2364 - **Fiat:** 504088796 - **Gates:** OAP7097 - **INA:** F550532 | F556500 | F55053201 | F55053202 | F55650001 | F55650002 - **Luk:** 535010310 - **Peugeot:** 574087 - **Porsche:** 9A160395500 | 9A160395501 - **Ruville:** 56027 - **SKF:** VKM03203

**WAI:** 2491325

**5664****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Ford:** EcoSport 1.6 SIGMA 2012... | Fiesta Todos Sigma 1.5L Trans. Manual e Automatica 2010... | Fiesta Todos Sigma 1.6L Trans. Manual e Automatica 2010... | Focus 2011

## ALTERNADOR / Alternator

**Ford:** CN1510300CB | DN1510300AB - **Lester:** 20557 - **Valeo:** TG12C123 | TG12C126 | TG12C231

## EQUIVALENTE / Equivalent

**Ford:** CN1Q10A352AA - **Valeo:** 501524 | 501525

**5667****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Tata:** Indigo 1.3 e 1.4 2009...2011 | Manza | Vista

## ALTERNADOR / Alternator

**Valeo:** 439714 | TG9S057

## EQUIVALENTE / Equivalent

**INA:** F560998 - **Luk:** 535024310 - **Valeo:** 406844

**5668****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

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## APLICAÇÃO / Application / Aplicación

**Ford:** Kuga | 2.5 4x4 03/2009... - **Volvo:** C70 II Cabriolet 2.4 i | V40 (VW) D3 T5 AWD

**5668****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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ALTERNADOR / Alternator

**Bosch:** 121615014 | 0121615014 | 121615114 | 0121615114 | 125711014 | 0125711014 | 125711040 | 0125711040 | 125711048 | 0125711048 | 125711053 | 0125711053 | 986080810 | 0986080810 | F00E100026 - **Ford:** 1541451 | 6M5T10300SA - **Lester:** 11347 | 11568 | 20894 - **Volvo:** 30773111 | 31288879 | 31288880 | 36000207 | 36000613 | 36001497

EQUIVALENTE / Equivalent

**Bosch:** F00M349823 | F00M391124 - **INA:** F557564 - **Luk:** 535016110 - **Volvo:** 30667980 - **WAI:** 2491329**5670****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Dacia:** Logan 1.5 dCi (FS0K) (KS0K) (LS0J) (LS0K) (LS0W) (US0K) (US0W) LS0Y 09/2005... | Sandero 11/2008... - **Renault:** Clio II 1.5 dCi (42kW) 06/2001...12/2006 | Thalia I 1.5 dCi 06/2001...11/2009

ALTERNADOR / Alternator

**Lester:** 23173 - **Mitsubishi:** A2TB6481 | A002TB6481 - **Nissan:** 2310000QA1 - **Renault:** 7711497090 | 8200053938 | 8200102907 | 8200120286 | 8200373636

EQUIVALENTE / Equivalent

**INA:** F550379 | F55037901 | F55037903 | F55037904 - **Luk:** 535010910 - **Renault:** 8200399801**5673****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** C Class | CLC Class | CLK | E Class | SLK

ALTERNADOR / Alternator

**Lester:** 24101 | 24102 - **Mercedes Benz:** 2711541402 | 2711541502 - **Valeo:** 440127 | 440128

EQUIVALENTE / Equivalent

**INA:** F557311 - **Luk:** 535016510 - **Mercedes Benz:** 2711550215**5674****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Opel:** Vectra - **Renault:** Espace IV | Vel Satis - **Saab:** 42864 - **Vauxhall:** Signum | Vectra Mk II

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 13125525 | 93175988 - **Lester:** 23324 | 23897 - **Opel:** 6204171 | 6204234 | 13125525 | 93175988 | 93189236 - **Saab:** 5350087

EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 93175986 - **INA:** F23456301 | F23456302 | F23456303 | F23456304 - **Luk:** 535008510 - **Opel:** 1204378 | 93175986 - **Saab:** 5340393 | 5543814**5675****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Citroën:** Berlingo 1.6 HDi 110 75 90 07/2005... | Berlingo 1.9 D 4WD 07/1998...10/2005 | Berlingo 2.0 HDi 4x4 12/1999...10/2005 | C3 1.4 16V HDi | Jumper 230 2.0 HDi 11/2001...04/2002 | XSara Picasso 1.6 HDi 05/2004... - **Peugeot:** 206 1.4 HDi | 407 1.6 HDi 110 05/2004... | 607 2.0 HDi 03/2001...04/2004 | Boxer 2.0 HDi 08/2001...04/2002

ALTERNADOR / Alternator

**Bosch:** 0124525027 | 0124615027 | 0986044400 | 0986046240 | 0986047350 - **Citroën:** 5705NH - **Lester:** 8531 | 20008 | 20013 | 21791 | 23301 | 23973

EQUIVALENTE / Equivalent

**Bosch:** F00M147999 | F00M991172 - **INA:** F232369 | F23236902 | F23236903 | F23236909 - **Luk:** 535017910**5676****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Renault:** Clio II 1.4 16V 08/2000... | Clio II 1.5 dCi 01/2004... | Grand Scenic II 1.6 04/2004... | Megane II 1.4 16V 11/2002... | Scenic II 1.4 06/2003... | Thalia II 01/2009...

ALTERNADOR / Alternator

**Bosch:** 0124525528 | 0986080290 - **Lester:** 23173 - **Nissan:** 2310000Q2H | 2310000QBJ | 7711497095 - **Renault:** 7701476808 | 7701478093 | 7711497095 | 8200100907 - **Valeo:** TG11C011 | TG11C062

EQUIVALENTE / Equivalent

**INA:** F230147 - **Luk:** 535011610 - **Nissan:** A660C300BX | A660C300EX - **Renault:** 7701476465 | 8200113636

**5677****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Cruze 2.0 CDI 05/2009... | Cruze Station Wagon 2.0 TD 08/2012... | Orlando 2.0 D 02/2011...

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 13501719 | 13502580 | 13579114 | 13579676 | 13580078 - **Lester:** 20096 - **Opel:** 4818330 | 4819446

EQUIVALENTE / Equivalent

**INA:** F564313 - **Luk:** 535022610**5678****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 159 1.8 MPI 03/2007...11/2011 - **Citroën:** Berlingo 1.6 HDi 110 75 90 | C6 (TD\_) 2.2 HDi 06/2006... | C8 (EA\_, EB\_) 2.0 HDi | Jumpy Kasten 2.0 HDi 120 140 01/2007... - **Fiat:** Scudo 2.0 D Multijet 01/2007... | Ulisse (179AX) 2.0 D Multijet - **Lancia:** Phedra (179) 2.0 D Multijet - **Peugeot:** 308 I 2.0 HDi 09/2007... | 407 2.0 HDi 06/2009... | Expert 2.0 HDi 100 130 03/2011...

ALTERNADOR / Alternator

**Fiat:** 9646065180 - **Lester:** 23857 - **Mitsubishi:** A004TJ0084 | A004TJ0084A | A004TJ0084B | A004TJ0084C

EQUIVALENTE / Equivalent

**IKA:** 353760 - **INA:** F550426 | F55042601 - **Luk:** 535014910 - **SKF:** VKM03307**5679****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Ford:** Transit V 2.0 TDCI (FAE\_ (F\_E\_ FAF\_ FAG\_) F\_F\_ F\_F\_) F\_G\_)

ALTERNADOR / Alternator

**Bosch:** 0124415031 - **Ford:** 4371030 | 4392207 | 4407889 | 2C1T10300AB | 2C1T10300AF - **Lester:** 23183

EQUIVALENTE / Equivalent

**INA:** F55661501 - **Luk:** 535022310**5680****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Buick:** LaCrosse - **Hyundai:** IX35 | Sonata V (NF) 2.0 vTi GLS - 2.4 - **Kia:** Carens | Magentis 2.0 | Sportage

ALTERNADOR / Alternator

**Hyundai:** 3730025201 | 373002G100 | 373002G400 | 3732125301 | 37300237300 - **Lester:** 11252 | 11367 | 11492 | 12653 - **Valeo:** 2606446 | 2655544 | TG11C076

EQUIVALENTE / Equivalent

**Cargo:** 333084 - **Hyundai:** K406643 | 3732125201 - **IKA:** 35441 | 354411 - **INA:** F24002601 | F24002602 | F24002603 | F24002604 | F24002605 | F24002609 | F24002611 - **Luk:** 535013510 - **Valeo:** 2655545 - **WAI:** 2494298**5681****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** Accelo 915 C OM 904.943, OM 904.957, OM 904.965, OM 904.966, OM 904.970 05/2003... | Atego 1014 K L, 1015 K L OM 904.909, OM 904.910 01/1998...10/2004 | Atego 1725 S OM 906.985 01/2007... | Axor 1823 K, 2523 K, 2623 L, 3228 C OM 906.920, OM 906.921 01/2002...10/2004 | Conecto (O 345) 12M OM 902.925 11/2001... | Econic OM 926.921, OM 926.934 10/2001... | Integro (O 550) L M OM 926.939 01/2006... | Intouro E M ME OM 926.939 01/2005... | LK 1117 K L LO S, 1317 K KO L LS, OM 904.905, OM 904.906, OM 904.907 03/1996...12/1998 | LN2 1517 K L, 711, 811 K, 814, OM 904.905, OM 904.906, OM 904.907 03/1996...12/1998 | Tourino OM 926.939 10/2003... | Touro (O 500) R U, OM 926.910, OM 926.926 01/2001... | Unimog U 400 5000, OM 906.935 03/2000... | Vario 613 D, 614 D, OM 904.908, OM 904.917, (95-100kW) 09/1996... | Zetros 1833 A, 2733 A, OM 926.935, OM 926.936, OM 926.947 09/2008...

ALTERNADOR / Alternator

**Bosch:** 0986043890 | 6033GB3010 - **Lester:** 12388 - **Mercedes Benz:** 0101548902

EQUIVALENTE / Equivalent

**IKA:** 335740 - **INA:** F240423 | F23028301 | F23028302 | F23028303 - **Luk:** 535005510 - **Mercedes Benz:** 9061550815 | 9061551515 - **Ruville:** 58865**5682****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Camaro



**5682****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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ALTERNADOR / Alternator

**General Motors/Chevrolet:** 13502988 | 22962097 - **Lester:** 11453 | 11485 | 24107 - **Opel:** 1202331 | 1204651 | 13500332 | 95515961 - **Vauxhall:** 13588330 | 95515961

EQUIVALENTE / Equivalent

**Litens:** 920915 - **Valeo:** 702052 | 2605529 - **WAI:** 2494290**5683****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Honda:** Accord

ALTERNADOR / Alternator

**Honda:** AHGA88 | 311005A2A02 | 311005A2A02RM | 311005A2AA000M2 - **Lester:** 14489

EQUIVALENTE / Equivalent

**Honda:** 311415A2A01 - **Litens:** 920025 | 920025A - **WAI:** 2483306**5684****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Toyota:** Camry

ALTERNADOR / Alternator

**Lester:** 11516 | 11519 - **Toyota:** 270600V060 | 2706036050

EQUIVALENTE / Equivalent

**Litens:** 920905 | 920905A - **Toyota:** 274150W120A | 274150W120B - **WAI:** 24822101**5685****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Impala

ALTERNADOR / Alternator

**Denso:** 1042105380 - **General Motors/Chevrolet:** 15846253 - **Lester:** 11237

EQUIVALENTE / Equivalent

**Litens:** 920844 - **WAI:** 2482316**5686****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Land Rover:** Freelander 3.2 4x4 10/2006...10/2014 - **Volvo:** S60 II 3.0 T AWD, T6 AWD 04/2014... | S80 II (AS) 3.2 AWD, T6 AWD 03/2006... | V60 3.0 T AWD, T6 AWD 04/2014... | XC60 3.2 09/2009...12/2010 | XC70 II 3.2 AWD B 6324 S2, B 6324 S4, (168-171kW) 09/2009...12/2012

ALTERNADOR / Alternator

**Bosch:** 0121615011 | 0121715009 - **Ford:** 6G9N10300LA | 6G9N10300MA - **Land Rover:** LR002426 | LR007089 - **Lester:** 11345 | 11346 - **Volvo:** 31110082 | 31110085 | 36000209 | 36000210 | 360002090 | 360002100

EQUIVALENTE / Equivalent

**Ford:** 6G9N10D311AA | 6G9N10D311AB - **IKA:** 353721 - **Land Rover:** LR001470 | LR001974 | LR004305 - **Litens:** 920803 - **Luk:** 535017510 - **Volvo:** 30750109 | 30750409 - **WAI:** 2491335**5687****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Corvette

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 10305775 | 10316182 | 10327314 | 10350160 | 10353440 | 10436674 | 15791160 | 15841234 | 10305775A | 10305775B - **Lester:** 13864 | 13969 - **Valeo:** 420164 | 2650164 | 2650491 | A14Vi39 | 2542445A | 2600730A | 2650073B | 2650164A | TG15C013 | TG15C046 | TG15C051 | TG15S010 | TG15S089 | TG15S107

EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 2601499 | 2548266A | 2548266B | 2548266C | 2548266D | 2548266E | 2601499A | 2601628A | 2601628B - **Litens:** 49908 | 920667 | 920667A - **Valeo:** 2601499A - **WAI:** 2491254 | 2494277

**5688****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Pontiac:** GTO V8 6.0

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 92211821 - **Lester:** 11097 | 13955 - **Mitsubishi:** A3TG1581

EQUIVALENTE / Equivalent

**Arrowhead:** AMT5026 - **General Motors/Chevrolet:** 1051565 - **Litens:** 920782 - **Mitsubishi:** A252C5321C | A252C532BC - **WAI:** 2483302**5690****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Chrysler:** 300 V6 3.6L 2011...2016 - **Dodge:** Challenger V6 3.6L 2015...2016 | Charger V6 3.6L 2015...2016 | Durango V6 3.6L 2011...2016 | Ram 1500 V6 3.6L 2013...2015  
**Ford:** Escape 1.5 2017...2019 | Escape 1.6 L4 2013...2016 | Fusion 1.5 e 1.6 Liter 2013...2016 - **Jeep:** Grand Cherokee V6 3.6L 2011...2015

ALTERNADOR / Alternator

**Chrysler:** 04801778AF | 04801865AC | P04801778AF | P04801865AC - **Denso:** 1042102330 | 1042102910 | 4210007040 | 4210007041 | 4210007050 | 4210007051 | TN1042102330 - **Ford:** 5178833 | CJ5Z10346D | DS7Z10346D | CJ5T10300BB | DS7T10300DB - **Lester:** 11592 | 11598 | 11636 | 11680

EQUIVALENTE / Equivalent

**Chrysler:** 05184692AB - **Denso:** 0210402290 - **Ford:** CJ5Z10344A | CJ5G10A352BA - **Litens:** 920028 | 920972 | 920028A - **WAI:** 2482325**5691****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Buick:** Allure Stufenheck 3.6 LY7, (179kW) 09/2004...12/2007 | La Crosse Stufenheck 3.6 LLT, (209kW) 09/2007...12/2008

ALTERNADOR / Alternator

**Bosch:** 10366268 | 15208915 | 0124425030 | 0124425063 | F00E100186 - **Lester:** 11125 | 11232

EQUIVALENTE / Equivalent

**Bosch:** F00M991220 - **IKA:** 353410 - **INA:** F550371 | F55037101 - **Luk:** 535010610 - **Ruville:** 59937**5694****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Nissan:** Altima 2.5 05/2012... | Teana III (J33) 2.5 (L33L L33R L33T) 09/2013...

ALTERNADOR / Alternator

**Lester:** 11657 - **Mitsubishi:** A2TJ1881ZC | A002TJ1881ZC - **Nissan:** 231003TA1B | 231003TU1B | 231503TA1B | 231513TA1A

EQUIVALENTE / Equivalent

**INA:** F600038 - **Luk:** 535027310 - **Nissan:** 231503TA1B | 231513TA1A - **Ruville:** 56840 - **WAI:** 2483311**5695****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Ford:** Explorer L4 2.0L 2012...2013

ALTERNADOR / Alternator

**Denso:** 1042106410

EQUIVALENTE / Equivalent

**Denso:** 210402210 - **INA:** F572904**5696****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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APLICAÇÃO / Application / Aplicación

**Lexus:** NX200T L4 2.0L 1998cc122cid 2015...2017 | NX300 L4 2.0L 1998cc122cid 2018...2020

ALTERNADOR / Alternator

**Denso:** 1042118860 | 1042118861 - **Lester:** 11944 - **Toyota:** 2706036100 | 2706036101

EQUIVALENTE / Equivalent

**Lexus:** 274150W170 - **Litens:** 920061 - **Toyota:** 274150W170

**5697****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 1.8 TFSI 2010...2018 | A3 1.8 TFSI 2012...2016 | A3 2.0 TFSI 2016... | A3 S3 quattro 2012... | A4 1.8 TFSI 2007...2015 | A4 2.0 TFSI 2009...2019 | A4 40 TFSI 2016...2019 | A4 45 TFSI 2018...2019 | A5 1.8 TFSI 2008...2017 | A5 2.0 TFSI 2007... | A5 40 TFS 2017... | A6 1.8 TFSI 2014...2018 | A6 2.0 TFSI 2011...2018 | A6 2.8 FSI 2014...2018 | A7 1.8 TFSI 2015...2018 | A7 2.0 TFSI 2014...2018 | A8 2.0 TFSI 2016...2018 | Q2 2.0 TFSI 2017... | Q2 40 TFSI 2018... | Q3 2.0 TFSI 2011...2018 | Q3 40 TFSI 2018... | Q3 45 TFSI 2018... | Q5 2.0 TFSI 2008...2020 | Q5 2.0 TFSI 2012...2017 | Q5 35 TFSI 2013...2015 | Q6 40 TFSI 2014... | Q7 2.0 TFSI 2016...2019 | Q8 45 TFSI 2018... | TT 1.8 TFSI 2015...2018 | TT 2.0 TFSI 2014... | TT 40 TFSI 2018... | TT 45 TFSI 2018... - **Porsche:** Macan 2.0 2014... - **Seat:** Alhambra 2.0 TFSI 2015... | Ateca 1.5 TSI 2018... | Ateca 2.0 TSI 2017... | Exeo 1.8 TSI 2010...2013 | Exeo 2.0 TFSI 2010...2013 | Ibiza 1.8 TSI 2015...2016 | Leon 1.8 TSI 2013... | Leon 2.0 Cupra 2013... | Leon 2.0 TSI 2018... | Tarraco 2.0 TSI 2018... - **Skoda:** Karoq 2.0 TSI 2019... | Kodiaq 2.0 TSI 2016... | Octavia 1.8 TSI 2012... | Octavia 2.0 TSI 2013... | Superb III 1.8 TSI 2015... | Superb III 2.0 TSI 2015... - **Volkswagen:** Amarok 2.0 TSI 2010...2016 | Arteon 2.0 TSI 2017... | Atlas 2.0 TSI 2017... | Beetle 1.8 TSI 2013...2017 | Beetle 2.0 TSI 2014...2018 | Golf 1.8 TSI 2013... | Golf 2.0 GTI 2013... | Golf 2.0 TSI 2013...2016 | Jetta 1.8 TSI 2014... | Lamando 330 TSI 2015... | Multivan 2.0 TSI 2015... | Passat 1.8 TSI 2013...2015 | Passat 2.0 TSI 2015... | Polo 1.8 GTI 2014... | Polo 2.0 GTI 2017... | Scirocco 2.0 TSI 2013...2017 | Sharan 2.0 TSI 2015... | Tiguan 2.0 TSI 2016... | Touareg 2.0 TFSI 2018...2020 | Touareg 2.0 TSI 2018... | Touran 1.8 TSI 2015... | Transporter 2.0 TSI 2011... | TRoc 2.0 TSI 2017...

**ALTERNADOR / Alternator**

**Audi:** 06J903119 | 06K903219 | 06H903201H | 06H903219C - **Bosch:** 0124525113 | 0124525210 | 0124525226 | 0125711044 | 0125711051 | 0125711090 | 0125711127 | 0125711128 | 0125711152 | 0125716009 | 0125716010 | F000BL0803 | F000BL0829 | F000BL08G6 | F000BL08G5 - **Lester:** 11466 | 11724 | 11725 | 11727 | 20753 | 21123 | 24226 - **Seat:** 06A903023B | 06A903023G - **Valeo:** FG18T063 | FG18T074 | FG18T117 | TG14C040 | TG15C177 | TG15C201 - **Volkswagen:** 06A903119 | 06H903119 | 06A903023F | 06H903016J | 06H903016L | 06H903016S | 06H903017D | 06H903017J | 06H903017S | 06H903017T | 06H903018D | 06H903018H | 06H903018J | 06J903023G | 06J903023K | 06J903023P | 06J903023R | 06J903023T | 06H903016LX | 06H903017JX | 06H903017TX

**EQUIVALENTE / Equivalent**

**Bosch:** F00M147910 | F00M591111 | F00M599447 | F00M991277 | F00M992742 | F00MA47706 - **Cargo:** 333074 - **Gates:** 37013P - **IKA:** 354060031 - **Litens:** 920135 | 920851 | 1000555 | 1013776 - **Luk:** 535021010 | 535027610 - **Volkswagen:** 06H903119A | 06H903119B | 06H903201C | 06H903201D - **WAI:** 2491324

**5704****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 96

**APLICAÇÃO / Application / Aplicación**

**Ram Truck:** 1500 V6 3.0L 2987cc 182cid 2014...2016

**ALTERNADOR / Alternator**

**Chrysler:** 56029696AA - **Denso:** 1042110120 - **Lester:** 11781

**EQUIVALENTE / Equivalent**

**WAI:** 2482314

**5705****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 96

**APLICAÇÃO / Application / Aplicación**

**Toyota:** Tacoma

**ALTERNADOR / Alternator**

**Denso:** 1042108230 | 1042108232 | 1042108590 | 1042108591 - **Lester:** 11354

**EQUIVALENTE / Equivalent**

**Litens:** 920833 | 920833A - **Toyota:** 274150W051 | 274150W052 | 274150W052A - **WAI:** 2482321

**5706****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 96

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** Mito (955) 09/2008 - **Fiat:** 500 (199) 09/2012... | Argo 1.0 e 1.3 | Mobi 1.0 e 1.3 | Pulse 1.3 8V, Motor Firefly, Flex - Transmissão Manual 2022... | Punto (199) 03/2012... | Tipo Estate (356) 03/2016... | Tipo Hatchback (356) 03/2016... | Tipo Saloon (356) 10/2015... | Uno 1.0 e 1.3 - **Opel:** Corsa E 09/2014... | Corsa E Van 09/2014...  
**Vauxhall:** Corsa MK IV E 08/2014... | Corsa Van MK IV E 10/2014

**ALTERNADOR / Alternator**

**Denso:** 51984063 | 51984064 | 1042114040 | BA1042114040 | MS1042114040

**EQUIVALENTE / Equivalent**

**Denso:** 55257677 | 1210412050 | 1210412370 - **INA:** F581916 | F58191602 - **Luk:** 535027810 - **Ruville:** 56045

**5707****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 96

**APLICAÇÃO / Application / Aplicación**

**Fiat:** Argo 1.8 E-Torq 2017... | Cronos 1.8 E-Torq 2017... | Toro 1.8 16V Flex 2016... - **Jeep:** Renegade 1.8 16V Flex 2015...

**ALTERNADOR / Alternator**

**Bosch:** F000BL07P0 | F000BL07P1 | F000BL07P2 | F000BL07P3 - **Denso:** 51993773 - **Fiat:** 51978345

**5707****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 96

EQUIVALENTE / Equivalent

Bosch: F000BL9295 - INA: F607489

**5708****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Fiat: Toro Diesel - Jeep: Compass Diesel | Renegade Diesel

ALTERNADOR / Alternator

Denso: 51863675 | 52021968 | 1042119050 | 1042119051 | MS1042119051

EQUIVALENTE / Equivalent

Litens: TN0210402350

**5709****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

**BMW:** 520Li 2.0L N20B20D N20B20B Turbo 2013 | 520Li 2.5L N52B25AF Non Turbo 2012 | 523i N52B25 150kW 204HP 2497cc 2.5L 2010...2016 | 523i N53B30A 150kW 204HP 2996cc 3.0L 2009...2016 | 523i Touring N52B25A 150kW 204HP 2497cc 2.5L 2010...2011 | 523i Touring N53B30A 150kW 204HP 2996cc 3.0L 2010...2016 | 523i Touring N53B30A 190kW 258HP 2996cc 3.0L 2010...2016 | 523Li 2.5L N52B25AF Non Turbo 2012 | 528i L6 3.0L 2996cc 2011 | 528i N53B30A 150kW 204HP 2996cc 3.0L 2010 | 528i N53B30A 190kW 258HP 2996cc 3.0L 2011...2016 | 528Li 3.0L N52B30AF Non Turbo 2011 | 530i N53B30A 200kW 272HP 2996cc 3.0L 2011...2016 | 530i Touring N53B30A 200kW 272HP 2996cc 3.0L 2011...2016 | 530Li 3.0L N52B30AF Non Turbo 2013...2014 | 730i N52B30 190kW 258HP 2996cc 3.0L 2008...2015 | 730iL N52B30 190kW 258HP 2996cc 3.0L 2008...2015 | X3 Drive N52B30A 190kW 258HP 2996cc 3.0L 2011...2016 | X3 L6 3.0L 2996cc 2011...2012

ALTERNADOR / Alternator

BMW: 12317591268 | 12317591271 - Denso: 1042106251 - Lester: 11791

**5710****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Opel: Signum 2800 Z28NEL NET | Vectra C 2800 Z28NEL NET - Saab: 9-3 V6 2.8L 2792cc 170cid

ALTERNADOR / Alternator

Bosch: 0124525097 - Lester: 11187 - Opel: 12799630 | 93187415 - Saab: 93189253

EQUIVALENTE / Equivalent

Bosch: F00M147877 | F00M991238 - Litens: 600801 | 920801 - WAI: 2491315

**5711****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

**Ford:** Edge 2.0L L4 GAS 2015...2020 | Explorer 2.0L 2013...2014 | Fusion 1.6L 2013 | Fusion 2.0L 2013 | Fusion 2.5L 2013 | Mustang Ecoboost 2.3L 2015 | Taurus 2.0L 2013  
**Lincoln:** MKC 2.3L L4 GAS 2015...2017 | MKC 2.0L L4 GAS 2015...2017 | MKT 3.5L V6 GAS 2013...2019 | MKT 3.7L V6 GAS 2013...2019 | MKT 2.0L L4 GAS 2014...2019 |  
**MKZ:** 2.0L L4 GAS 2013...2020 | Nautilus 2.0L L4 GAS 2020...2021

ALTERNADOR / Alternator

Denso: 1042106561 | 1042106571 - Ford: DG1T10300B | DG1Z10346D

EQUIVALENTE / Equivalent

Denso: 0210402300 - Ford: DA8Z10344B | D8AE10A352BA | DA8E10A352BA - Litens: 920027 - WAI: 2482326

**5712****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Renault: Logan 1.0 3 Cilindros | Sandero 1.0 12V Sce (3cilindro) 2017...2018

ALTERNADOR / Alternator

Renault: 231000387R | 231005FF0A | 231007582R - Valeo: 494743 | 2712046 | 2710910A | 2718653A | NRG9S017 | NRG9S018 | NRG9S019

EQUIVALENTE / Equivalent

INA: F620306 - Luk: 535034510 - Valeo: 501443

**5713****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** H1 Cargo (TQ) 02/2008... | H1 Travel (TQ) 02/2008... | H100 Platform/Chassis 01/2004... | H350 Platform/Chassis 04/2015... | H350 Box 04/2015... | H350 Bus 04/2015... | HD 35 | HD Light 09/2003... | Porter Platform/Chassis 05/2004... | Porter Box 05/2004... | Starex 06/1997 ... 12/2007 - **Kia:** Bongo K2500 2013...2016

**ALTERNADOR / Alternator**

**Hyundai:** 373004A700 - **Lester:** 20865 - **Valeo:** 2610454

**EQUIVALENTE / Equivalent**

**Hyundai:** 373224A320 | 373224A321 - **INA:** F576631 - **Luk:** 535024510

**5714****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

**APLICAÇÃO / Application / Aplicación**

**Ford:** Ecosport Titanium | Focus 2.0 | KA 1.5 | New Fiesta Motor Mexicano

**ALTERNADOR / Alternator**

**Ford:** AE8T10300BA - **Valeo:** TG12C108

**EQUIVALENTE / Equivalent**

**INA:** F57334101

**5715****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Bluebird Sylphy ii (G11) 09/2005... 08/2012 | Teana i (J31) 02/2003... 09/2008 | Tiida Hatchback (C11) 05/2004 ...06/2013 | Tiida Saloon (SC11) 05/2004...06/2013 | Tiida saloon (SC12) 08/2011... | Versa ii 08/2011... | Xtrail (T31) 03/2007...07/2014

**ALTERNADOR / Alternator**

**Lester:** 11163 - **Nissan:** 23100A4400 | 23100A4420 | 23100AU400 | 23100AU420 | 23100AU424 | 23100EN20B

**EQUIVALENTE / Equivalent**

**Hitachi:** GD218509 - **INA:** F551034 | F55103401 - **Luk:** 535009310 - **Nissan:** 23151EN20A

**5716****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Accent IV (RB) 1.6 GDI | Accent IV Saloon (RB) 1.6 GDI | Creta 1.6 Attitude, Pulse, Flex, 4WD | Elantra 1.8 2014...2015 | Elantra Coupe (JK), 1.6 | Elantra Saloon (AD), 1.6 | Elantra Saloon (MD, UD), 1.6 | Elantra Saloon (MD UD) 09/2010... | i10 (PA), 1.0 2007/2016 | i10 1.0 (BA, IA), LPG | i20 (GB, IB), 1.0, 1.4 | i20 ACTIVE (IB, GB), 1.0, 1.4 | i20 Coupe (GB), 1.0, 1.4 | i30 (GD) 06/2011... | i30 (GD), 1.6 | i30 (PDE, PD), 1.4, 1.6 | i30 Coupe, 1.4, 1.6 | i30 Estate (GD), 1.4, 1.6 | i30 Estate (PDE), 1.4 MPI e T-GDI | i30 FASTBACK (PDE), 1.4 T-GDI 2017/... | i30 Coupe 05/2013... | i30 Estate (GD) 06/2012... | i40 (VF) 03/2012... | i40 1.6 GDI | i40 CW (VF) 07/2011... | ix20 (JC) 11/2010... | ix35 (LM EL ELH) 08/2009... | Kona (OS) 1.0 T-GDI 2017/... | Solaris Saloon, 1.6 2017/... | Tucson (TL) 1.6, 2.0, GDI 2015/... | Veloster (FS) 03/2011... - **Kia:** Carens IV 03/2013... | Carens IV, 1.6 GDI 2013/... | Cee'd (JD) 1.0 T-GDI, 1.4 CVVT e MPI | Cee'd 1.0 T-GDI e 1.4 CVVT | Cee'd Sportswagon (JD), 1.0 e 1.4 | Ceed JD 05/2012... | Ceed Sportswagon JD 05/2012... | Cerato Hatchback, 1.6 | Cerato Saloon, 1.6, 16V | Cerato Hatchback 09/2012... | Cerato Koup (TD) 01/2009... | Cerato Saloon 09/2012... | Optima CVVL, 2.0 2015/... | Optima Sportswagon (JF), 2.0 CVVL, T-GDI 2016/... | Picanto 1.0, 1.2 | Pro Cee'd 1.0, 1.4 | Pro Ceed JD 03/2013... | Rio III (UB) 1.2, 1.4 | Rio III Saloon (UB), 1.2, 1.4 | Rio IV (YB, SC), 1.0, 1.4, 1.6 2017/... | Rio IV Saloon (SC, FB), 1.4, 1.6 2017/... | Rio III (UB) 09/2011... | Rio III Saloon (UB) 09/2010... | Shuma Coupe, 1.6 T-GDI | Soul (AM) 02/2009... | Soul II (PS), 1.6, Flex | Soul II (PS) 02/2014... | Sportage (QL, QLE), 1.6, 2.0, T-GDI, Flex | Sportage (SL) 09/2009... | Stonic (YB), 1.0, 1.2, 1.4 CVVT, T-GDI | Venga (YN) 02/2010...

**ALTERNADOR / Alternator**

**Hyundai:** 373002B101 | 373002B200 | 373002B700 | 373002B750 | 373002E200 | 373002E700 | 373002E721 | 373002E800 - **Kia:** 373002B910 - **Lester:** 11608 | 11701 | 20964 - **Lucas:** LRA03949 - **Remy:** 8400430 - **Valeo:** 2610428 | 2619086 | 2625573 | FG10T011

**EQUIVALENTE / Equivalent**

**Cargo:** 333687 - **Gates:** 37182P - **Hyundai:** 3730004070 | 3730004630 | 3730004635 | 3730004950 | 3730004970 | 373002B770 | 373002B910 | 373002E321 | 373002E821 | 373202B000 | 373202B050 | 373202E000 | 3732204630 | 3732204950 - **IKA:** 354941 - **INA:** F587371 - **Kia:** 3730003AA0 | 3730003AB0 | 3730003AC0 | 3730003BA5 | 3730004070 | 3730004630 | 3730004635 | 3730004950 | 3730004970 | 373002B770 | 373002B910 | 373002E321 | 373002E821 | 373202B000 | 373202E000 | 3732204630 | 3732204950 - **Litens:** 920015 | 920019 | 920050 | 920050A - **Luk:** 535027110 | 535029610 - **Valeo:** 333687 - **WAI:** 2494292

**5717****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

**APLICAÇÃO / Application / Aplicación**

**Ford:** Mustang V8, 5.0 2012...2013

**ALTERNADOR / Alternator**

**Denso:** 1042111450 - **Ford:** CR3Z10346A | CR3T10300AC - **Lester:** 11759

**5718****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Audi: A4 Quattro V6 3.2L 3123cc 2009 | A5 Quattro V6 3.2L 3123cc 2008...2010 | Q5 V6 3.2L 3123cc 2009...2010

ALTERNADOR / Alternator

Bosch: 0124525115 - Lester: 11467 - Volkswagen: 06E903016N | 06E903016NX

EQUIVALENTE / Equivalent

INA: F556058

**5719****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Ford: C-Max 1.0 EcoBoost 2012... | Fiesta 1.0 EcoBoost 2013... | Fiesta VII 1.1 2017... | Focus 1.0 EcoBoost 2012... | Puma 1.0 EcoBoost 2019... | Tourneo Connect 1.0 EcoBoost 2013... | Transit Connect 1.0 EcoBoost 2013...

ALTERNADOR / Alternator

Denso: 1042101971 | 1042113330 | MS1042101971 | MS1042113330 - Ford: 1764817 | 1781479 | 1821291 | 2077641 | 2077646 | 2198947 | 2320081 | CV6T10300DB | CV6T10300DC | CV6T10300GA | H1BT10300GB | H1BT10300HB | JX6T10300FA | LX6T10300EAA - Lester: 20363 | 20502

EQUIVALENTE / Equivalent

Ford: CM5Q10A352AA - IKA: 355111 - Litens: 920444 - Luk: 535028410

**5720****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Maruti: Swift

ALTERNADOR / Alternator

Denso: SR02101031

**5721****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Ford: KA Motor 1.0 3 cyl. 2017...

ALTERNADOR / Alternator

Bosch: F000BL0670 - Ford: E4B510300DA

EQUIVALENTE / Equivalent

Bosch: F000BL2D45 - Ford: BRK7B510A352AA

**5722****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

BYD: M6 MPV - Hyundai: IX55 3.0 V6 CRDi 4WD - Kia: Borrego 3.0 V6 CRDi 4WD | Mohave

ALTERNADOR / Alternator

Hyundai: 373003A002 | 373003A100

EQUIVALENTE / Equivalent

Hyundai: 373213A010 - INA: F238206 | F23820602 | F23820603 | F23820604 - Luk: 535014210 - Ruville: 58427 - Valeo: 2655601 | K408206

**5724****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 97

APLICAÇÃO / Application / Aplicación

Suzuki: Jimny 1.5 DDiS 4WD (SN415D)

ALTERNADOR / Alternator

Lester: 20387 | 20780 - Mitsubishi: A3TN2581 | A3TN2581A | A003TN2581 - Remy: DRA0232 - Suzuki: 3140084A00 | 3140084A10 | 3140084A12

EQUIVALENTE / Equivalent

IKA: 354260 - INA: F586767 - Luk: 535023310 - Ruville: 57713 - Suzuki: 3117184A10

**5726****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Ssangyong: Actyon II | Actyon Sports I | Actyon Sports II | Korando | Rexton W | Rodius II

**5726****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

ALTERNADOR / Alternator

**Ssangyong:** 1611544002 | 1721543002 | 6711540202 | 6711540302 | 6711540402

EQUIVALENTE / Equivalent

**INA:** F563788 - **Luk:** 535024910 - **Ruville:** 59800 - **Ssangyong:** 6621553415**5727****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

**Fiat:** 500 | 500C | 595 | 595C | 695 | 695C

ALTERNADOR / Alternator

**Denso:** 1012101331 - **Fiat:** 51820622 | 51854917

EQUIVALENTE / Equivalent

**Denso:** 1210411590 - **Fiat:** 77364965 - **Gates:** OAP7163 - **INA:** F563425 - **Luk:** 535022110 - **Ruville:** 59983**5728****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

**Toyota:** Auris | Auris Touring Sports | Corolla Estate | Corolla Saloon

ALTERNADOR / Alternator

**Denso:** 1012100910 | 1042105350 | 1042113110 - **Lester:** 20395 - **Toyota:** 270600T010 | 270600T012 | 270600T020 | 270600T021 | 270600T080 | 270600T081 | 270600T190 | 270600T200 | 270600T210 | 270600T220

EQUIVALENTE / Equivalent

**Gates:** OAP7152 - **Luk:** 535023110 - **Ruville:** 56989 - **Toyota:** 274150T020 | 274150T021 | 274150T022 - **WAI:** 2482317**5729****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

**Audi:** A1 1.0, 1.4 TFSI 2010...2018 | A1 CITY TFSI 2019... | A3 1.0, 1.2, 1.4, 1.5 TFSI 2012... | A4 1.4 TFSI 2 2015...2019 | A5 1.4 TFSI 2016... | Q2 1.0, 1.4 TFSI 2016... | Q3 1.4 TFSI 2018... - **Seat:** Alhambra 1.4 TSI 2010... | Arona 1.0, 1.5 TSI 2017... | Ateca 1.0, 1.4, 1.5 TSI 2016... | Ibiza 1.0, 1.2, 1.4 TSI 2008... | Leon 1.0, 1.2, 1.4, 1.5 TSI 2012... | Leon 1.4, 1.5 TGI 2012... | Octavia 1.0, 1.2, 1.4, 1.5 TSI 2012... | Superb 1.4, 1.5 TSI 2015... | Tarraco 1.4, 1.5 TSI 2018... | Toledo 1.0, 1.2, 1.4 TSI 2012...2019 - **Skoda:** Fabia 1.0, 1.2, 1.4 TSI 2014... | Kamiq 1.0, 1.5 TSI 2019... | Karoq 1.0, 1.5 TSI 2019... | Kodiaq 1.4, 1.5 TSI 2016... | Rapid 1.0, 1.2, 1.4 TSI 2012...2019 | Scala 1.0, 1.5 TSI 2019... | Yeti 1.2, 1.4 TSI 2009...2017 - **Volkswagen:** Arteon 1.5 TSI 2017... | Beetle 1.2 16V TSI, 1.4 TSI 2011...2019 | Bora 1.4, 1.5 2016... | C-Trek 1.4, 1.5 2016... | Caddy 1.0 TSI, 1.2 TSI, 1.4 TGI 2015... | CC 1.4 TSI 2011...2016 | Golf 1.0, 1.2, 1.4, 1.5 TSI 2014... | Gran Lavalda 1.2, 1.4 TSI 2018... | Gran Santana 1.4, 1.5 2015... | Jetta 1.2 16V, 1.4, 2.0 TSI 2008... | Jetta 1.5 2016...2019 | Lamando TSI 2015... | Lavalda 1.5 TSI 2018... | Load Up 1.0 2014 | Magotan 1.4 TSI 2016... | Passat 1.4, 1.5 TSI 2014... | Polo 1.0, 1.2, 1.4 TSI 2009... | Polo Cross 1.4, 1.5 2016... | Sagitar TSI 2019... | Santana 1.5 2018... | Scirocco 1.4 TSI 2008...2017 | Sharan 1.4 TSI 2010... | T-Cross 1.0, 1.4, 1.5 TSI 2018... | T-Cross 1.4 4cil 2018... | T-Roc 1.0, 1.5 TSI 2017... | Tacqua 1.5 2019... | Tayron TSI 2018... | Tharu 1.4 TSI 2018... | Tiguan 1.4, 1.5 TSI 2007...2018 | Touran 1.0, 1.2, 1.4, 1.5 TSI 2015... | Up! 1.0 Flex 2013...2016 | Up! 1.0 GTI 2017... | Up! 1.0 TSI 2016...2018 | Up! 1.0 TSI Flex 2015... | Virtus TSI Flex 2018...

ALTERNADOR / Alternator

**Bosch:** 0125811004 | 0125811033 | 0125811074 | 0125811111 | 0125811112 | F000BL0861 | F000BL0862 | F000BL08F2 - **Lester:** 20351 | 20352 | 20353 | 20642 | 20765 | 20802 | 20994 - **Remy:** DRA1168 - **Valeo:** 494733 | 2622499 | TG12C305 | TG14C071 | TG14C075 - **Volkswagen:** 04E903015 | 04C903023H | 04C903023K | 04C903023L | 04E903015A | 04E903021M | 04E903021N | 04E903021P | 04E903021Q | 04E903021R | 04E903023C | 04E903023G | 04E903023H | 04E903023L | 04E903024G | 04E903024J | 04E903025H | 04C903023LX | 04E903021MX | 04E903021PX | 04E903024GX | 04E903025JX

EQUIVALENTE / Equivalent

**Audi:** 04E903201 | 04E903201A | 04E903201E | 04E903219B | 8V0903119 | 8V0903119A - **Bosch:** 04E903219B - **INA:** F600037 - **Litens:** 920046 | 1000358 | 1000847 | 1010046 - **Luk:** 535027910 | 535031510 - **Seat:** 04E903201A | 04E903201E | 04E903219B | 8V0903119 | 8V0903119A - **Valeo:** 501529 - **Volkswagen:** 04E903201 | 04E903201A | 04E903201E | 04E903219B | 8V0903119 | 8V0903119A**5730****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** Giulietta - **Chrysler:** Delta - **Fiat:** 500I | 500x | Bravo II | Croma - **Jeep:** Renegade - **Lancia:** Delta III - **Suzuki:** Sx4 SCross | Vitara

ALTERNADOR / Alternator

**Denso:** 1012101430 | 1012101440 | 1012101640 | 1012101710 - **Fiat:** 51820623 | 51820624 | 51884351 | 51884886 - **Lester:** 20361 | 20675

EQUIVALENTE / Equivalent

**Alfa Romeo:** 51860757 - **Fiat:** 51860757 - **Gates:** OAP7153 - **Litens:** 920979 - **Luk:** 535023010 - **Ruville:** 56040 - **SKF:** VKM03211 - **Suzuki:** 0210401980 | 3117162M0000

**5731****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

Hyundai: i10 | i10 Saloon | i20 - Kia: Picanto | Rio III | Rio III Saloon

## ALTERNADOR / Alternator

Hyundai: 3730003500 | 3730003600 | 3730003605 - Lester: 20295 | 20715 - Valeo: 2609013 | 2609501

## EQUIVALENTE / Equivalent

Hyundai: 3732003500 | 3732003600 - Litens: 920039 - Luk: 535028010

**5732****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

Mercedes Benz: CLA Coupe (C117) 01/2013 | CLA Shooting Brake (X117) 01/2015 | Classe A (W176) 06/2012 | Classe B (W246 W242) 10/2011 | Classe C Convertible (A205) 06/2016 | Classe GLA (X156) 12/2013

## ALTERNADOR / Alternator

Bosch: 0125711030 | 0125711055 | 0125711068 | 0125711087 | 0125711093 | 0125711094 - Lester: 11745 | 20741 - Mercedes Benz: 0009060803 | 0009061903 | 0009062202 | A0009030022 | A0009060803 | A0009061903

## EQUIVALENTE / Equivalent

Bosch: F00M591124 | F00M591125 | F00M599420 | F00M599497 | F00M599498 - Cargo: 333429 - Litens: 920484 - Luk: 535027210 - Mercedes Benz: 2701550015 | 2701550115 | 2701550215 | 2701550315 | A2701550015 | A2701550115 | A2701550215 | A2701550315 - Ruville: 57525

**5733****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

Honda: Odyssey | Pilot | Ridgeline

## ALTERNADOR / Alternator

Denso: 1042101240 | 1042101600 | 1042101890 | 1042108300 - Honda: CSJ24 | CSJ60 | CSJ89 | CSK30 | CSK99 | 311005G0A02 | 31100R70A11 | 31100R8AA01 | 31100R9PA01 | 31100RV0A01 - Lester: 11573 | 11600

## EQUIVALENTE / Equivalent

Honda: 31141RV0A01 - Litens: 920993 - WAI: 2482324

**5735****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

Nissan: Altima L31 08/200...04/2007 | Altima L32 10/2006...07/2013 | Sentra V B15 07/1998...12/2006 | Teana J31 02/2003...09/2008 | Xtrail T30 06/2001...01/2013 | Xtrail T31 03/2007...07/2014

## ALTERNADOR / Alternator

Nissan: 23100AU410

## EQUIVALENTE / Equivalent

INA: F559401 - Luk: 535014710 - Nissan: 231516N21A

**5736****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

Ford: Transit BOX FA 01/2000...05/2006 | Transit BUS FD, FB, FS, FZ e FC 01/2000...2006 | Transit Platform/Chassis FM, FN 01/2000...05/2006

## ALTERNADOR / Alternator

Bosch: 0124315019 | 0124315027 | 0124325248 | 0986042650 | 0986045370 | F042304066 - Ford: 4461712 | 2C1T10300BA | YC1T10300BC | YC1T10300BD | YC1T10300BE | YC1T10300BG | YC1T10300BH | YC1T10300BJ - Lester: 21890 | 21891 | 23296

## EQUIVALENTE / Equivalent

INA: F563432 - Luk: 535015910

**5737****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

## APLICAÇÃO / Application / Aplicación

BMW: Motorcycle 1100 ccm, K25, K26, K27, K28

## ALTERNADOR / Alternator

BMW: 12317676907 - Bosch: 0124120007



**5737****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

EQUIVALENTE / Equivalent

BMW: 12317682217 | 4630529301A - IKA: 353460 - INA: F550395 | F55039501 | F55039502 - Luk: 535010410

**5738****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Mercedes Benz: Atego 01/1998...10/2004 | Atego 2 01/2004... | Axor 01/2001...10/2004 | Axor 2 10/2004... | Citaro (O 530) 01/1998... | Cito (O 520) 09/1998... | Conecto (O 345) 11/2001... | Econic 01/1998... | Tourino (O 510) 10/2003...

ALTERNADOR / Alternator

Bosch: 0120468145 - Lester: 12388 - Mercedes Benz: 0101540002 | A010154002

EQUIVALENTE / Equivalent

Bosch: 6033GC5009 - IKA: 335690 - INA: F233834 | F238216 | F552296 | F23821601 - Luk: 535006810 - Mercedes Benz: 9061550215 | 9061551215 | A9061550215 | A9061551215 - WAI: 2491285

**5739****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Audi: A6 (4G2, 4GC, C7) 11/2010... | A6 Allroad (4GH, 4GJ) 01/2012... | A6 Avant (4G5, 4GD, C7) 05/2011... | A7 Sportback (4GA, 4GF) 10/2010...

ALTERNADOR / Alternator

Hitachi: 06E903018G | 06E903018M | LR1180851 - Lester: 11852 | 11855

EQUIVALENTE / Equivalent

Audi: 06E903119T - Hitachi: GD115958 - INA: F568796 - Luk: 535025010

**5740****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Mitsubishi: i DOHC 659cc 12V 01/2006...

EQUIVALENTE / Equivalent

Cargo: 335238 - INA: F55256101 | F55256103 - Luk: 535015210 - Mitsubishi: 1800A119 | 1800A120

**5741****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Pontiac: G6 V6 3.9 2006/2007

ALTERNADOR / Alternator

General Motors/Chevrolet: 15824928 | 15865853 | 15901933 | 25787950 - Lester: 11143 - Valeo: TG12C040 | TG12C085 | TG13S023

EQUIVALENTE / Equivalent

Litens: 920818 - Valeo: 2650406B | 2650406C

**5742****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 98

APLICAÇÃO / Application / Aplicación

Citroën: C1 04/2014... - Peugeot: 108 05/2014... - Toyota: Aygo (B4) 05/2014...

ALTERNADOR / Alternator

Citroën: B000771980 | B000912080 - Denso: 1042109820 | 270600Q160 | 270600Q180 - Lester: 24112 - Peugeot: B000771980 | B000912080

EQUIVALENTE / Equivalent

INA: F58801601 - Luk: 535027710 - Toyota: 274150Q010

**5743****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Daihatsu: Charade 1.33 16V 05/2011... - Toyota: Auris (E15) 10/2006...09/2012 | Auris (E15) DualVVTi (NRE150) 01/2010...09/2012 | Auris (E18) 10/2012... | Corolla Três volumes (E15) 10/2006... | Corolla Três volumes (E16) 05/2012... | Urban Cruiser (P1) 07/2007... | Urban Cruiser 1.33 (NSP110) 01/2009... | Yaris (P9) 01/2005... | Yaris 1.33 VVTi (NSP90) 07/2010...

**5743****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

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ALTERNADOR / Alternator

**Denso:** 1042102470 | 1042102471 | 1042102472 | 1042102960 - **Ford:** BR3Z10346C | BR3T10300JC - **Lester:** 11621 | 20953 - **Toyota:** 270600Y040 | 270600Y041 | 270600Y060 | 274150Y020

EQUIVALENTE / Equivalent

**Litens:** 920892 - **Luk:** 535028210**5745****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

**Toyota:** Corolla Altis 2017

ALTERNADOR / Alternator

**Denso:** TG1042112480 - **Toyota:** 270600T391

EQUIVALENTE / Equivalent

**Toyota:** 274150T070**5761****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Camaro

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 13502989 - **Lester:** 11487 - **Valeo:** FG15S027

EQUIVALENTE / Equivalent

**Gates:** 37172P - **Litens:** 920931 - **Valeo:** 2605991 - **WAI:** 2494289**5762****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

**Cadillac:** Escalade 6.2 01/2015...12/2015 | Escalade ESV 6.2 01/2015...12/2015 - **General Motors/Chevrolet:** Sierra 5.3 01/2014...12/2015 | Sierra 6.2 01/2014...12/2015 | Sierra 1500 4.3 01/2014...12/2015 | Sierra 1500 5.3 01/2014...12/2015 | Sierra 1500 6.2 01/2014...12/2015 | Silverado 1500 4.3 01/2014...12/2015 | Silverado 1500 5.3 01/2014...12/2015 | Silverado 1500 6.2 01/2014...12/2015 | Suburban 5.3 01/2014...12/2015 | Suburban 1500 5.3 01/2014... | Tahoe 5.3 01/2015... | Yukon 5.3 01/2015... | Yukon 6.2 01/2015... | Yukon XL 5.3 01/2015... | Yukon XL 6.2 01/2015... - **Toyota:** Highlander | Venza

ALTERNADOR / Alternator

**Denso:** 1042102350 | 1042102351 | 1042102352 | 1042102362 | 1042102560 | 1042102570 | 1042102610 | 1042106870 | 1042118340 | 1042118350**General Motors/Chevrolet:** 22747896 | 22949467 - **Lester:** 11400 | 11403 | 11404 | 11408 | 14007 | 14009 - **Toyota:** 270600V020 | 270600V030 | 270600V070 | 2706036020 | 2706036030 | 2706036040

EQUIVALENTE / Equivalent

**Denso:** 0210402410 | 0210402420 - **General Motors/Chevrolet:** 12626060 | 12645462 - **Litens:** 920030 | 920031 | 920907 - **Toyota:** 274150W110 | 274150W110B**5763****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

**Hyundai:** Elantra Saloon (MD, UD) 09/2010 | i20 (PB, PBT) 08/2008... | i30 (GD) 06/2011... | i30 Coupe 05/2013... | i30 Estate (GD) 06/2012... | ix20 (JC) 11/2010... | ix35 (LM, EL, ELH) 08/2009... - **Kia:** Carens IV 03/2013... | Ceed (JD) 05/2012... | Ceed Sportswagon (JD) 09/2012... | Pro Ceed (JD) 03/2013... | Rio III (UB) 09/2011... | Soul (AM) 01/2009... | Soul II (PS) 02/2014... | Sportage (QL) 09/2015... | Sportage (SL) 09/2009... | Venga (YN) 02/2010...

ALTERNADOR / Alternator

**Hyundai:** 373002A650 | 373002A651 | 373002A850 - **Lester:** 20409

EQUIVALENTE / Equivalent

**Hyundai:** 252902A000 - **Litens:** 920016 - **Luk:** 535024810**5765****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

**Kia:** Sorento L4 2.4L 2359cc VIN 6 2012...2013

ALTERNADOR / Alternator

**Lester:** 11694

**5765****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

EQUIVALENTE / Equivalent

Kia: 373202G700 - Litens: 920026 - Valeo: 2612071

**5766****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Ford: Ecosport 2.0 Flex 4WD 2012...2017

ALTERNADOR / Alternator

Bosch: F000BL06Y0 | F000BL06Y1 - Ford: CN1510300DA

EQUIVALENTE / Equivalent

Bosch: F000BL3041 - INA: F588371

**5767****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Honda: Accord 2018...2019 | Civic 2016...2019 | CRV 2019

ALTERNADOR / Alternator

Denso: 1042113710 - Honda: 3110059B003 - Lester: 21237

EQUIVALENTE / Equivalent

Honda: 3114159BJ01 - Litens: 920058

**5769****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

BMW: X5 3.0 xDrive 30i

ALTERNADOR / Alternator

BMW: 7560988 | 7560989 | 12317560988 | 12317560989

EQUIVALENTE / Equivalent

BMW: 7560990 | 12317560990 - IKA: 355031 - INA: F551893 - Luk: 535025410

**5770****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Ford: Edge L4 2.0L 1999cc122cid 2012...2014

ALTERNADOR / Alternator

Ford: CT4Z10346A | CT4T10300AA | CT4T10300AB - Lester: 11550 - Mitsubishi: A2TX2081 | A002TX2081

EQUIVALENTE / Equivalent

INA: F570114 - Luk: 535028310 - WAI: 2483313

**5771****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Buick Regal L4 2.0L 1998cc122cid 2014...2017 | Cruze 1.4 Turbo 2016... | Cruze 2.8 6CIL. 2016... | Impala L4 2.5L 2457cc153cid 2014...2015 | Malibu L4 2.0L 1998cc122cid 2014...2015 | S10 Cab.Dupla e Simples 2.5 4cil 2015...

ALTERNADOR / Alternator

Denso: 1042101900 | 1042101901 | 1042101902 | 1042101961 | 1042113720 | TN1042101900 | TN1042101901 | TN1042101902 - General Motors/Chevrolet: 13587309 | 13592810 | 22905553 | 22996928 | 23136231 - Lester: 11682 | 11780

EQUIVALENTE / Equivalent

Denso: 0210402340 | 0210402680 - General Motors/Chevrolet: 12655284 | 12660100 - Litens: 920034

**5772****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Ford: Focus III MGDA 2.0 Ti-GDi 2010...2016 | Focus L4 2.0 2012

ALTERNADOR / Alternator

Ford: 1703864 | CM5Z10344D | CP9Z10344A | CV6Z10346B - Lester: 11618 - Valeo: FG15S046 | G15S046SPY

**5772****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

EQUIVALENTE / Equivalent

Ford: CM5Z10344D | CP9Z10344A - Litens: 920020 - Motorcraft: GP754 - WAI: 2494293

**5773****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: City 2.0 2015...2018 - Mitsubishi: Delica 1.6 2011...2016 - Nissan: NV200 L4 2.0 2013...2016 | QASHQAI II 2.0 | Sentra VII 2.0

ALTERNADOR / Alternator

General Motors/Chevrolet: 19317219 | 19317322 - Lester: 20864 - Mitsubishi: A2TX4381ZC - Nissan: 231003LN0A | 231003RZ1A

EQUIVALENTE / Equivalent

INA: F589191 - Luk: 535029210 - Nissan: 231513LN0A

**5774****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Ford: Ranger 2.2 TDCi 04/2011...05/2015 | Ranger 2.2 TDCi 4x4 01/2011...02/2015 | Ranger 3.2 TDCi 11/2011 | Ranger 3.2 TDCi4x4 04/2011 - Nissan: Caravan 2.5 dCi 2012... | NV350 2.5 dCi 2012...

ALTERNADOR / Alternator

Ford: 1885676 | 2148360 | 2212497 | 5344230 | EB3T10300DA | EB3T10300EA | EB3T10300EB - Lester: 20847 - Mitsubishi: A2TX2881 | A2TX2781A | A2TX2881A | A002TX2881 | A3TV0981ZT | A002TX2881A | A003TV0981ZT - Nissan: 231003XA0A | 231003XA1A | 231003XA2A | 231003XA3A | 231003XA4A | 231003XN1A | 231003XN2A | 231513XN2A

EQUIVALENTE / Equivalent

INA: F587281 | F613451 - Luk: 535031810 | 535033110 - Nissan: 231513XN0A

**5775****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

Nissan: Xtrail (NT32) 2.5 All Mode 4X4i 12/2013... | Xtrail (NT32) 2.5 Flex fue All Mode 4X4i 02/2014... | Xtrail (T32) 2.5 10/2013...01/2015 | Xtrail 2.5 All Mode 4X4i 10/2014...  
Renault: Koleos 2.5 S Ce230 11/2016 | Koleos 2.5S Ce230 AWD 11/2016 | Koleos II (HC\_) 08/2016... | Megane IV Grandtour r(K9A/M/N\_) 04/2016... | Megane IV Hatchback (B9A/M/N\_) 11/2015...

ALTERNADOR / Alternator

Lester: 11648 - Nissan: 231004BA0A | 231004BA0B | 231004BA0C - Valeo: 849149 | 2617232A | TG12C152

EQUIVALENTE / Equivalent

INA: F601582 - Luk: 535029110 - WAI: 2494301

**5776****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 99

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Onix 1.0 e 1.2 turbo 2020... | Tracker 1.0 e 1.2 turbo

ALTERNADOR / Alternator

General Motors/Chevrolet: 26261634 | 26275741

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 55497887

**5777****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

Abarth: 124 1.4 (348) 03/2016... | 124 Spider (348\_) 03/2016... - Alfa Romeo: Giulietta (940\_) 04/2010... | Giulietta 1.4 BiFuel (940FXA1A,940FXT1A) 12/2011...02/2017 | Giulietta 1.4 TB (940FXA1A) 04/2010... | Giulietta 1.4 TB (940FXB1A) 09/2010... | Giulietta 1.4 TB (940FXG1A) 09/2010... | Giulietta 1.4 TB (940FXN1A,940FXU1A) 04/2011... | Giulietta 1.4 TB (940FYA1A) 09/2014... - Fiat: 124 Spider (348\_) 03/2016... | 500L (351\_,352\_) 09/2012... | 500X (334\_) 09/2014... - Jeep: Renegade (BU,B1) 07/2014... | Renegade 1.4 4x4 07/2014...

ALTERNADOR / Alternator

Denso: 1042101190 | 1042118480 - Fiat: 51808560 | 51884239 | 51931432 - Lester: 20503

EQUIVALENTE / Equivalent

INA: F565232 - Luk: 535028610

**5778****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Corvete**ALTERNADOR / Alternator****General Motors/Chevrolet:** 10327514 | 15791160 | 15841234 | 25888970 - **Lester:** 13969A - **Valeo:** 420151 | TG15C046 | TG15C107 | TG15C139 | TG15S051 | TG15S089 | TG15S107**EQUIVALENTE / Equivalent****Litens:** 920746 | 920746A - **Valeo:** 2605916 | 2650151 | 2650380 | 265040B | 265040C | 2650491 | 2601628A | 2601628B**5779****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación****Acura:** ILX L4 2.4L 2354cc144cid K24V7 2015...2018 | TLX L4 2.4L 2354cc144cid K24W7 2015...2018 - **Honda:** CR-V L4 2.4L 2356cc144cid K24W9 2015...2018**ALTERNADOR / Alternator****Denso:** 0210402530 | 1042113470 - **Honda:** 311005X6J01 | 311005X6J01RM - **Lester:** 21154**EQUIVALENTE / Equivalent****Honda:** 311415X6J01 - **Litens:** 920037**5780****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación****Ford:** Escape 2.0L GTDI 2010 | Escape 2.5L 2010 | Escape L4 2.0L 1999cc122cid 2013...2015 | Escape L4 2.0L 1999cc122cid VIN9 2016...2018 | Escape L4 2.5L 2488cc152cid 2013...2015 | Escape L4 2.5L 2488cc152cid VIN7 2016...2018 | Focus 2.0L GTDI 2010 | Focus 2.5L 2010 | Focus III Eng. 2.3RS257kw 2015 | Focus L4 2.0L 1999cc122cid VIN9 2013...2018 | Focus L4 2.3L 2300cc140cid VINH 2016...2018 | Fusion L4 2.0L 1999cc122cid VIN9 2013...2018 | Fusion L4 2.5L 2488cc152cid VIN7 2013...2018 | Fusion L4 2.5L 2488cc152cid VINT 2017...2018 | Kuga 2.0L Turbo Gas (CAF488WQ2) 2013 | Transit Connect L4 2.5L 2488cc152cid 2014...2018 | Transit Connect LCV 2.0L GTDI 2010 | Transit Connect LCV 2.5L 2010**ALTERNADOR / Alternator****Ford:** 1741221 | CJ5Z10346C | DS7Z10346H | CJ5T10300CB | DS7T10300HA - **Lester:** 11551 | 11668 - **Mitsubishi:** A002TX2581 | A002TX2681 | A002TX2581ZC | A002TX2681ZC**EQUIVALENTE / Equivalent****Ford:** CV6Z10344A | CV6E10A352AA - **Litens:** 920024**5781****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación****Cadillac:** SRX V6 2.8L Gas 2010...2011 | SRX V6 3.6L Flex e Gas 2012...2016 - **General Motors/Chevrolet:** Equinox V6 3.6L Flex 2014...2017 | Equinox V6 3.6L Gas 2013...2017 - **GMC:** Terrain V6 3.6L Flex e Gas 2013...2017 - **Saab:** 9-5 V6 2.8L Gas. 2010...2011**ALTERNADOR / Alternator****Denso:** 1042102170 | 1042118160 | 1042118161 - **General Motors/Chevrolet:** 1204645 | 13502584 | 22865612 | 22988006 - **Jaguar:** C2C20533 - **Lester:** 11507 | 11647 - **Opel:** 1204195**EQUIVALENTE / Equivalent****Denso:** 0210401380 - **General Motors/Chevrolet:** 12665786 | 55567913 - **Litens:** 920040 - **Luk:** 535031310 - **WAI:** 2482332**5782****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación****Citroën:** Berlingo (MF) 1.6 HDi 75 (MF9HW) 2005...2011 | Berlingo (MF) 1.6 HDi 90 (MF9HX) 2005...2008 | Berlingo 1.6 HDi 110 2008...2020 | Berlingo 1.6 HDi 75 2008...2020 | Berlingo 1.6 HDi 75 (MB9HW) 1.6 HDi 90 (MB9HX, MC9HX) 2005...2011 | Berlingo 1.6 HDi 90 2008...2020 | C4 Grand Picasso (UA\_) 1.6 HDi 2006...2011 | C4 Grand Picasso (UA\_) 2.0 HDi 138 2006...2013 | C4 Grand Picasso (UA\_) 2.0 HDi 150 2009...2013 | C4 Picasso (UD\_) 1.6 HDi 2.0 HDi 138 2007...2013 | C4 Picasso (UD\_) 2.0 HDi 150 2009...2013 | C5 (RC\_) 2.0 HDi 2004...2020 | C5 (RC\_) 2.2 HDi 2006...2020 | C5 (RD\_) 1.6 HDi 2.0 HDi 2.2 HDi 2008...2020 | C5 (RD\_) 2.0 HDi 140 2009...2020 | C5 Break (RE\_) 2.0 HDi (RERHRH) 2004...2020 | C5 Break (RE\_) 2.2 HDi 2006...2020 | C5 Break (TD\_) 1.6 HDi 2.0 HDi 2.2 HDi 2008...2020 | C5 Break (TD\_) 2.0 HDi 140 2009...2020 | C6 (TD\_) 2.2 HDi 2006...2012 | C8 (EA\_, EB\_) 2.0 HDi 2007...2020 | C8 (EA\_, EB\_) 2.0 HDi 135 2.2 HDi 2006...2020 | Jumpy 2.0 HDi 120 2.0 HDi 140 2007...2020 | Jumpy Kasten 2.0 HDi - **Fiat:** Scudo (270\_) 2.0 D Multijet 2007...2020 | Scudo Furgonato 2.0 | Scudo Kasten 2.0 D Multijet | Ulysse (179AX) 2.0 D Multijet 2006...2011 | Ulysse (179AX) 2.2 JTD 2002...2006 - **Lancia:** Phedra 179 2.0 D Multijet 2.0 JTD 2.2 JTD 2006...2010 | Phedra 179 2.2 D Multijet 2008...2010 | Phedra 179 2.2 JTD (179AXC1A) 2002...2010  
**Peugeot:** 308 (4A\_, 4C\_) 2.0 HDi 2007...2014 | 308 CC 2.0 HDi 2009...2014 | 308 SW 2.0 HDi 2007...2012 | 407 (6C\_) 2.0 HDi 2005...2020 | 407 (6D\_) 2.0 HDi 135 2004...2010 | 407 (6D\_) 2.0 HDi 2.2 HDi 2008...2010 | 407 (6D\_) 2.2 HDi 170 2006...2010 | 407 SW (6E\_) 2.0 HDi 2010...2020 | 407 SW (6E\_) 2.0 HDi 135 2004...2010 | 407 SW (6E\_) 2.2 HDi 2008...2010 | 407 SW (6E\_) 2.2 HDi 170 2006...2010 | 607 (9D, 9U) 2.0 HDi 2005...2011 | 607 (9D, 9U) 2.2 HDi 2000...2006 | 807 (E) 2.0 HDi 2.2 HDi 2002...2020 | Expert 2.0 HDi 120 2.0 HDi 140 2007...2020 | Expert Tepee (VF3V\_) 2.0 HDi 120 2.0 HDi 140 2007...2020 | Partner 1.6 HDi 2008...2020 | Partner Combispace (5F) 1.6 HDi 90 2006...2015 | Partner Kasten 1.6 HDi4 | Partner Tepee 1.6 HDi 2008...2020

**5782****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

EQUIVALENTE / Equivalent

Hitachi: GD218752 - IKA: 353520 - INA: F551759 - Luk: 535009110

**5783****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Nissan:** Ad Van (Y12), 1.5 12/2006... | Cube (Z11), 1.5 01/2003...09/2005 | Cube (Z12), 1.5 09/2007... | Cube 1.5 16V 11/2008...10/2012 | Latio Hatchback, 1.5 03/2007...12/2010 | Latio Três volumes, 1.5, 4x4 11/2004 | Note (E11,NE11) 01/2005...08/2013 | Note 1.5, 4WD 03/2006...12/2010 | Tiida 1.5 (SC11) 10/2004...08/2012 | Tiida 1.5 4WD (SNC11) 03/2007...06/2013 | Tiida 1.5 4x4 05/2004...02/2007 | Tiida Hatchback (C11) 02/2004...12/2013 | Tiida Três volumes (SC11) 05/2004...12/2013 | Wingroad 1.5 4WD (NY12) 11/2005... | Wingroad ADWagon (\_Y12) 11/2005...

ALTERNADOR / Alternator

Hitachi: LR945904 - Nissan: 296D01FB0A | 296D0ED300

EQUIVALENTE / Equivalent

Hitachi: GD218964 | LR945903 - IKA: 353490 | 353491 - INA: F550879 - Luk: 535009210

**5784****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Infiniti:** Q50L 04/2013... | Q50L (DFAC) 2.0 T 11/2014... | Q60 Coupé 09/2016... - **Mercedes Benz:** C-Class (W204) 01/2007...01/2015 | C-Class (W205) 07/13... | C-Class (W205) 08/2014... | C-Class Cabriolet (A205) 06/2016... | C-Class Coupé (C204) 01/2011... | C-Class Coupé (C205) 10/2015... | C-Class T-Model (S204) 08/2007...08/2014 | C-Class T-Model (S205) 09/2014... | CLS (C218) 01/2011...12/2017 | CLS Shooting Brake (X218) 10/2012...12/2017 | E-Class (W212) 01/2009...12/2016 | E-Class (W212) 06/2010... | E-Class (W213) 01/2016... | E-Class Cabriolet (A207) 01/2010...12/2016 | E-Class Cabriolet (A238) 06/2017... | E-Class Coupé (C207) 01/2009...12/2016 | E-Class Coupé (C238) 12/2016... | E-Class T-Model (S212) 08/2009...12/2016 | E-Class T-Model (S213) 07/2016... | GLC (X253) 06/2015... | GLC (X253) 11/2015... | GLC Coupé (C253) 06/2016... | GLK-Class (X204) 04/2012... | GLK-Class (X204) 06/2008...12/2015 | SLK (R172) 01/2016... | SLK (R172) 01/2011... | V-Class (W447) 03/2014... | V-Class (W448) 03/2016... | Vito 09/2016... | Vito Caixa (W447) 10/2014... | Vito Tourer (W447) 10/2014... - **Nissan:** Skyline (\_V37) 02/2014...

ALTERNADOR / Alternator

**Bosch:** 0125711032 | 0125711075 | 0125711076 | 0125711080 | 0125711099 | 0125711100 | 0125711113 | 0125711114 | 0125711119 | 0125711122 | 0125711163 | 0125711164 | 0125812010 | 0125812011 | 0125812043 | 0125812044 | 0986081730 - **Lester:** 20571 | 20781 | 20848 - **Mercedes Benz:** 0009060504 | 0009060922 | 0009061503 | 0009061822 | 0009062003 | 0009062103 | 0009064004 | 0009064702 | 0009065501 | 0009067703 | 0009069305 | 0009069405 | A0009060504 | A0009060922 | A0009061503 | A0009061822 | A0009062003 | A0009062103 | A0009067703 | A0009069305 | A0009069405 - **Nissan:** 231004HH3A | 23100HG00B

EQUIVALENTE / Equivalent

**Bosch:** F00M591105 | F00M591118 | F00M591126 | F00M599430 | F00M599491 | F00M599492 - **IKA:** 354921 - **Litens:** 920663 | 920717 | 1013663 - **Luk:** 535029310 | 535034210 - **Mercedes Benz:** 2741550415 | A2741550015 | A2741550215 | A2741550315 | A2741550415 - **Nissan:** 23151HG00A - **Ruvile:** 57543

**5785****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Ford:** Focus 2.0 Non Turbo | Focus L4 2.0 2013...2018

ALTERNADOR / Alternator

**Ford:** BV6T10300E | BV6Z10346E | BV6Z10346F | BV6T10300EA - **Lester:** 11653 | 11747 - **Valeo:** FG15S065 | FG15S091

EQUIVALENTE / Equivalent

**Ford:** CM5Z10344C | CM5E10A352CB - **Litens:** 920021 | 920021A**5786****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Pontiac:** Solstice 2.0 L4 Gas 2007...2009 - **Saturn:** Sky 2.0 L4 Gas 2007...2010

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 15880834 | 25948388 - **Lester:** 11263 - **Valeo:** 2650579 | TG14C114 | TG15C114 | TG15C158 | TG15C159

EQUIVALENTE / Equivalent

**Litens:** 920843 - **Valeo:** 2650581A

**5787****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación**

**BMW:** 1 (E81) 09/2006...09/2012 | 1 (E87) 02/2003...01/2013 | 1 Cabriolet (E88) 12/2007...12/2013 | 1 Coupé (E82) 10/2006...10/2013 | 116 i 85 06/2004...06/2011 | 116 i 85 09/2007...12/2011 | 116 i 90 01/2009...06/2011 | 116 i 90 03/2007...12/2011 | 116 i 90 09/2007...06/2011 | 116 i 90 11/2008...12/2011 | 118 i 100 10/2006...06/2011 | 118 i 105 03/2008...12/2013 | 118 i 105 09/2006...06/2011 | 118 i 105 09/2006...12/2011 | 120 i 120 03/2007...06/2011 | 120 i 120 03/2007...12/2011 | 120 i 120 03/2008...12/2013 | 120 i 125 03/2007...06/2011 | 120 i 125 03/2007...09/2012 | 120 i 125 10/2007...10/2013 | 135 i 225 03/2008...10/2013 | 135 i 225 10/2007...10/2013 | 135 i 240 03/2008...12/2013 | 135 i 240 10/2007...10/2013 | 3 (E90) 02/2004...02/2012 | 3 Cabriolet (E93) 05/2006...12/2013 | 3 Coupé (E92) 01/2005...12/2013 | 3 Touring (E91) 12/2004...12/2012 | 316 i 90 09/2007...06/2013 | 316 i 90 09/2007...10/2011 | 316 i 90 09/2008...06/2012 | 318 i 100 09/2007...03/2012 | 318 i 105 03/2010...12/2013 | 318 i 105 05/2007...05/2012 | 318 i 105 09/2007...10/2011 | 320 i 112 01/2010...12/2013 | 320 i 115 09/2005...06/2012 | 320 i 120 01/2007...12/2013 | 320 i 120 02/2007...05/2012 | 320 i 120 03/2007...12/2011 | 320 i 120 09/2006...10/2013 | 320 i 125 02/2007...12/2012 | 320 i 125 03/2007...10/2013 | 320 i 125 03/2007...12/2013 | 320 i 125 09/2007...10/2011 | 335 i 220 03/2006...12/2011 | 335 i 225 06/2006...06/2013 | 335 i 225 09/2006...06/2012 | 335 i 225 09/2006...12/2011 | 335 i 225 12/2006...10/2013 | 335 i 240 03/2006...12/2011 | 335 i 240 05/2006...10/2013 | 335 i 240 06/2006...06/2013 | 335 i xDrive 225 09/2008...06/2012 | 335 i xDrive 225 09/2008...10/2011 | 335 i xDrive 225 11/2008...12/2013 | 335 i xDrive 240 05/2008...10/2011 | 335 i xDrive 240 11/2008...06/2013 | 335 xi 225 03/2007...02/2010 | 335 xi 225 03/2007...08/2008 | 335 xi 240 09/2006...06/2008 | X1 (E84) 03/2009...06/2015 | xDrive 35 i 225 03/2011...06/2015

**ALTERNADOR / Alternator**

**BMW:** 7550468 | 7585940 | 7591532 | 7591533 | 7626153 | 7626155 | 12317550468 | 12317585940 | 12317591532 | 12317591533 | 12317626153 | 12317626155 - **Bosch:** 0986UR6232 - **Denso:** 1042106020 | 1042106021 | 1042106022 | 1042106030 | 1042106520 | 1042106521 | 1042106522 - **Lester:** 11366 | 11753 | 20136

**EQUIVALENTE / Equivalent**

**INA:** F612719 - **Luk:** 535027510

**5788****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación**

**Land Rover:** Discovery Spor (L550) 2.2 4x4 | Range Rover Evoque (L538) 2.2 4x4

**ALTERNADOR / Alternator**

**Bosch:** 0125812061 | 0125812062 - **Ford:** EJ3210300AD - **Jaguar:** EJ3210300AC - **Land Rover:** LR047579 | LR077394 - **Lester:** 20742

**EQUIVALENTE / Equivalent**

**Bosch:** F00M599512 - **INA:** F23236910 - **Luk:** 535028510

**5789****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 500 1.4L I4 A/T Easy Cabrio 2016...2018 | 500 1.4L I4 A/T Easy Hatchback 2016...2018 | 500 1.4L I4 A/T Lounge Hatchback 2013...2018 | 500 1.4L I4 A/T Pop Hatchback 2013...2016 | 500 1.4L I4 A/T Sport Hatchback 2013...2016 | 500 1.4L I4 M/T Easy Cabrio 2016...2018 | 500 1.4L I4 M/T Easy Hatchback 2016...2018 | 500 1.4L I4 M/T Lounge Hatchback 2013...2018 | 500 1.4L I4 M/T Pop Hatchback 2013...2016 | 500 1.4L I4 M/T Sport Hatchback 2013...2016 | 500 1.4L Turbo I4 A/T 1957 Retro Edition 2019 | 500 1.4L Turbo I4 A/T Abarth Cabrio 2019 | 500 1.4L Turbo I4 A/T Abarth Hatchback 2015...2018 | 500 1.4L Turbo I4 A/T C Lounge 2019 | 500 1.4L Turbo I4 A/T C Pop 2019 | 500 1.4L Turbo I4 A/T Lounge 2019 | 500 1.4L Turbo I4 A/T Pop 2019 | 500 1.4L Turbo I4 A/T Turbo Hatchback 2015...2016 | 500 1.4L Turbo I4 M/T 1957 Retro Edition 2019 | 500 1.4L Turbo I4 M/T Abarth 2019 | 500 1.4L Turbo I4 M/T Abarth Hatchback 2015...2018 | 500 1.4L Turbo I4 M/T C Lounge 2019 | 500 1.4L Turbo I4 M/T C Pop 2019 | 500 1.4L Turbo I4 M/T Lounge 2019 | 500 1.4L Turbo I4 M/T Pop 2019 | 500 1.4L Turbo I4 M/T Turbo Hatchback 2015...2016 | 500 A/T E 2019 | 500 A/T E-Sport 2019 | 500C 1.4L I4 A/T LOUNGE Cabrio 2013...2018 | 500C 1.4L I4 A/T Pop Cabrio 2013...2016 | 500C 1.4L I4 M/T LOUNGE Cabrio 2013...2018 | 500C 1.4L I4 M/T Pop CABRIO 2013...2016 | 500C 1.4L Turbo I4 A/T Abarth Cabrio 2015...2018 | 500C 1.4L Turbo I4 M/T Abarth Cabrio 2013...2018 | 500E 83 kW Electric Motor Battery Electric 2013...2018 | 500T 1.4L Turbo I4 Sport Hatchback 2013...2014 | 500X 1.4L Turbo I4 Abarth Hatchback 2013...2014

**ALTERNADOR / Alternator**

**Denso:** 1042118370 | TN1042118370 - **Fiat:** 56029703AA | P56029703AA - **Lester:** 11771

**5790****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.2, 1.5 2016... | C-Elysee 1.2, 1.5, 1.6 | C3 II 1.2, 1.5 | C3 III 1.5 2018... | C4 Cactus 1.2, 1.5 | C4 Grand Picasso 1.2 2014... | C4 Spacetourer 1.5 2018... | C5 Aircross 1.2 2018... | DS4 1.2 2014...2015 | Jumpy Autocarro 1.5 2018... - **DS:** 3, 4 e 7 Crossback 1.2, 1.5 - **Opel:** Combo 1.2, 1.5 2018... | Corsa 1.2, 1.5 2019... | Crossland X 1.2, 1.5 2017... | Vivaro 1.5 2019... | Zafira Life 1.5 2019... - **Peugeot:** 2008 I 1.5 2018... | 2008 II 1.2, 1.5 2019... | 208 1.2, 1.5 2018... | 3008 1.2 2015... | 3008 1.5 2018... | 301 1.2 2012... | 301 1.5 2018... | 308 1.2 2013... | 308 1.5 2017... | 5008 1.2 2015... | Expert 1.5 2018... | Partner 1.2 2018... | Partner 1.5 2016... | Partner Flex 1.6 2018... | Rifter 1.2, 1.5 2018... | Traveller 1.5 2018... - **Toyota:** Proace City 1.2, 1.5 2019...

**ALTERNADOR / Alternator**

**Denso:** 1042118210 | 1042118211 - **Lester:** 20835 - **Opel:** 3640951 | 95524683 | 95526496 | 9820893880 - **Peugeot:** 1610815380 | 9678178280

**EQUIVALENTE / Equivalent**

**INA:** F580958 - **Luk:** 535030410 - **Opel:** 3648698 - **Peugeot:** 1627651980

**5791****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Opel:** Combo 1.3 2012... | Corsa 1.3 2014... - **Vauxhall:** Corsa MK IV 1.3 2014... | Corsa Van 1.3 2014...

ALTERNADOR / Alternator

**General Motors/Chevrolet:** 39007364 | 39047359 - **Opel:** 1202375 | 1202480

EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 13585670 | 95519914 | 95519915 - **INA:** F588627 - **Luk:** 535032710 - **Opel:** 1202412 | 1202479**5792****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 100

APLICAÇÃO / Application / Aplicación

**Nissan:** Navara 2.3 dCi 4x4 2015... | NP300 2.3 dCi 2015... | Terra 2.3 2018...

ALTERNADOR / Alternator

**Bosch:** F000BL06W9 | F000BL06X2 | F000BL06X7 | F000BL06Y9 - **Nissan:** 231004JA0A | 231004JA0B

EQUIVALENTE / Equivalent

**Bosch:** F000BL29M5 - **INA:** F602157 - **Luk:** 535029810**5793****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Hyundai:** i30 Combi 1.6 2012... | i30 Coupé 1.4, 1.6 2013... | i30 GD 1.4, 1.6 2011... | i30 PDE, PD, PDEN 1.6 2016... | ix20 Combi 1.4, 1.6 2010... | Tucson TL, TLE, 1.7 2015...**Kia:** Cee'd JD, 1.4, 1.6 2012... | Cee'd Sportswagon, 1.4, 1.6 2012... | Pro Cee'd 1.4, 1.6 2013... | Sportage 1.4, 1.6 2013... | Sportage 1.7 2010...

ALTERNADOR / Alternator

**Denso:** 1042113580 | 1042118840 | MS1042113580 | MS1042118840 - **Hyundai:** 373002A700 | 373002A750 - **Kia:** 373002A700 | 373002A750 - **Lester:** 20970 | 20970A

EQUIVALENTE / Equivalent

**Hyundai:** 373212A700 - **INA:** F606110 - **Kia:** 373212A700 - **Luk:** 535029510**5794****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Toyota:** Auris 1.4 D-4D 2012...2018 | Corolla 1.4 D-4D 2013...2018 | Yaris 1.4 D-4D 2011...

ALTERNADOR / Alternator

**Denso:** 1042113000 | 1042113001 | 1042113002 | 1042113130 - **Lester:** 20525 - **Toyota:** 270600N090 | 270600N100

EQUIVALENTE / Equivalent

**INA:** F62123601 - **Luk:** 535030310 - **Toyota:** 270600N110 | 270600N120 | 270600N130 | 270600N140 | 2741533100**5795****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Toyota:** Yaris 1.0 2010...

ALTERNADOR / Alternator

**Toyota:** 270600Q200 - **Valeo:** FG9T013 | 2623463C

EQUIVALENTE / Equivalent

**INA:** F607137 - **Luk:** 535028910 - **Toyota:** 274030Q180 | 274150Q020**5796****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Nissan:** Navara 2.5 DDTi 2015... | NP300 2.5 dCi 2014... | Terra 2.5 TDCI 2018...

ALTERNADOR / Alternator

**Nissan:** 231004KD0B | 231004KV0B - **Renault:** 231004KV0B

EQUIVALENTE / Equivalent

**INA:** F600396 - **Luk:** 535029410 - **Nissan:** 231004KV0A - **Renault:** 231004KV0A



**5797****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Mazda:** Bongo Brawny 2.0L Turbo Diesel 2004...2010 | Bongo Truck Van 2.0L Turbo Diesel 2003...2010 | Titan 2.0L Turbo Diesel 2001...2012**ALTERNADOR / Alternator****Mazda:** RF8P18300 | RF8P18300A | RF8P18300B - **Mitsubishi:** A2TN3381 | MQ912500 | 2TN3381ZC | A2TN3381B | A003TN3381 | A2TN3381ZA | A002TN3381ZC**Nissan:** 23100HA00A**EQUIVALENTE / Equivalent****INA:** F23882304 | F23882305 - **Luk:** 535015010 - **Mazda:** RF6C18330 | RF6C18W11 | RF6C18330A**5798****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Ford:** Ecosport 2.0 Gdi 2017**ALTERNADOR / Alternator****Bosch:** F000BL071C | F000BL071D | F000BL071M | F000BL071N - **Ford:** GN1510300EA | GN1510300EB**EQUIVALENTE / Equivalent****Bosch:** F000BL9451 - **Ford:** GN1510A352AA**5799****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Mitsubishi:** Fuso**EQUIVALENTE / Equivalent****Mitsubishi:** A252X53870 | A628X94871**5800****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Citroën:** Berlingo 1.6 2008... | C-Elysee 1.6 2012... | C3 Aircross II 1.6 2017... | C3 III 1.6 2016... | C3 Picasso 1.6 2009... | C4 Cactus 1.6 2014... | C4 Grand Picasso II 1.6 2013... | C4 Picasso II 1.6 2013... | C4 Spacetourer 1.6 2018... | C4II 1.6 2009... | DS3 1.6 2009...2015 | DS4 1.6 2011...2015 | DS5 09/2011...07/2015 | Grand C4 Spacetourer 1.6 2018... | Jumpy 1.6 2016... - **DS:** DS3 1.6 2019. | DS4, DS4 Crossback 1.6 2015...2018 | DS5 1.6 2015...2018 - **Opel:** Combo 1.6 2018... - **Peugeot:** 2008 1.6 2013... | 208 1.6 2012... | 3008 1.6 2009...2017 | 3008SUV 1.6 2016... | 301 1.6 2012... | 308 1.6 2015... | 5008 1.6 2009...2017 | 508 1.6 2010...2018 | Expert 1.6 2016... | Partner 1.6 2008... | Rifter 1.0 2018... | Traveller 1.6 2016... - **Toyota:** Proace 1.6 2016... | Proace Verso 1.6 2016...**ALTERNADOR / Alternator****Citroën:** 1611285580 | 1612458880 | 1612817080 | 9810525380 | 9810527180 - **Lester:** 20649 | 20657 - **Lexus:** SU001A4985 | SU001A4986 | SU001A6341 | SU001A7070 - **Peugeot:** 1611285580 | 1612458880 | 1612817080 | 9810525380 | 9810527180 - **Toyota:** SU001A4985 | SU001A4986 | SU001A6341 | SU001A7070  
**Valeo:** 2624327A | TG15C211 | 215071569**EQUIVALENTE / Equivalent****Citroën:** 1622780280 | 9810856580 - **Litens:** 920725 | 1008725 - **Luk:** 535030810 - **Peugeot:** 1622780280 | 9810856580 - **Valeo:** 599338**5801****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Ford:** B-Max 1.5, 1.6, TDCi 2012... | B-Max Van TDCi, 1.5, 1.6 2012... | C-Max II TDCi, 1.5, 1.6, 2.0 2010... | EcoSport 1.5 TDCi 2011... | Fiesta VII TDCi, 1.5 2017... | FiestaVI TDCi, 1.4, 1.5 e 1.6 2008... | Focus II TDCi, 2.0 2005... | Focus III TDCi, 1.5, 1.6, 2.0 2010... | Grand C-Max TDCi, 1.5, 1.6, 2.0 2010... | Grand Tourneo Connect TDCi, 1.5, 1.6 2013... | Kuga II 1.5, 2.0, TDCi 2012... | Tourneo Connect TDCi, 1.5, 1.6 2013... | Transit Connect TDCi, 1.5, 1.6 2013... | Transit Courier TDCi, 1.5, 1.6 2014... - **Mazda:** 2 1.4, 1.6 2007...2015 - **Volvo:** C30 1.6 2006...2013 | S40 1.6 2003...2012 | V50 1.6 2003...2012**ALTERNADOR / Alternator****Ford:** 1704768 | 1762377 | 1873207 | 2051880 | 2251619 | AV6N10300DA | AV6N10300DB | AV6N10300DC | AV6N10300DD | AV6N10300MB | AV6N10300MC | AV6N10300MD | ET7610300AA - **Lester:** 20213 | 20410 - **Mazda:** Y66518300A - **Valeo:** 2606436A | 2612672B | 2612685B | FG15T052 | FG15T074 | TG12C079 | TG12C122 | TG12C244 | TG12C267 - **Volvo:** 30659389 | 30659701 | 31285658 | 36001116 | 36001502 | 36001971**EQUIVALENTE / Equivalent****Ford:** AV6Q10A352BA - **Litens:** 700006 | 920006 - **Luk:** 535023610 - **Mazda:** Y66518300B - **Valeo:** 2608906 - **Volvo:** 31285816**5802****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

**APLICAÇÃO / Application / Aplicación****Fiat:** 500L 1.3 2012... | 500X 1.3 2014... | Dobló Multijet 1.3 2010... | Tipo 1.3 2016... - **Opel:** Combo 1.3 2012... - **Vauxhall:** Combo 1.3 2011...

**5802****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

ALTERNADOR / Alternator

Fiat: 51916020 | 51927505 | 52003620 - **General Motors/Chevrolet:** 95511910 | 95516722 - **Opel:** 1202269 | 1202368 - **Vauxhall:** 1202269 | 1202368

EQUIVALENTE / Equivalent

INA: F583190 - **Luk:** 535031110**5803****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Ssangyong:** Tivoli 1.6 2015... | XLV SUV 1.6 2016... | XLV SUV e Xdi 160 2016...

ALTERNADOR / Alternator

**Ssangyong:** 1731540102 | 1731540202 | 6731544002

EQUIVALENTE / Equivalent

INA: F58324201 - **Luk:** 535033710**5804****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Hyundai:** ix55 3.0 V6 CRDi 2006... - **Isuzu:** MU-X SUV 1.0 Ddi 2013... - **Kia:** Borrego 3.0 CRDi 2007...

ALTERNADOR / Alternator

**Denso:** 1042101741 - **General Motors/Chevrolet:** 98393107 - **Hyundai:** 373003A100 - **Isuzu:** 8983931070 - **Kia:** 373003A100

EQUIVALENTE / Equivalent

INA: F577217 - **Luk:** 535033010**5805****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Nissan:** Navara 2.5 2015... | NP300 Navara 2.5 2014... | Terra 2.5 2018...

ALTERNADOR / Alternator

**Bosch:** F000BL06M7 | F000BL06M8 | F000BL06X4 | F000BL06X5 | F000BL06Z9 - **Nissan:** 231004JM0A | 231004JM0B | 231004KD0A | F000BL06X6 - **Renault:** 231004JM0A | 231004JM0B

EQUIVALENTE / Equivalent

**Bosch:** F000BL29N3 - **INA:** F603800 - **Luk:** 535030910**5806****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Subaru:** Forester 2.0 2012... | Legacy V 2.0 2009...2014 | Outback 2.0 2019... | XV 2.0 2011...

ALTERNADOR / Alternator

**Mitsubishi:** A2TX2382A | A3TX0782A - **Subaru:** 23700AA940 | 23700AA941 | 23700AA950 | 23700AA951

EQUIVALENTE / Equivalent

INA: F588650 - **Luk:** 535031210 - **Subaru:** 23750AA090**5807****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

**Ford:** EcoSport 1.5, TDCi 2011... | Edge 2.0, EcoBlue, TDCi 2014... | Focus 1.5, 2.0 2018... | Galaxy 2.0, EcoBlue, TDCi 2015... | Grand Tourneo Connect 1.5 2013... | Kuga 1.5, TDCi 2012... | Kuga 2.0 2019... | Mondeo 2.0, EcoBlue, TDCi 2014... | Puma 1.5 2019... | S-Max 2.0, EcoBlue, TDCi 2015... | Tourneo Connect 1.5 2013... | Tourneo Custom 2.0 2012... | Transit Connect 1.5 2013... | Transit Custom 2.0 2012...

ALTERNADOR / Alternator

**Ford:** 1870356 | 1870357 | 2011354 | 2011355 | 2011356 | 2146821 | 2165474 | 2188081 | 2200625 | 2215253 | 2306021 | 2379158 | 2383693 | 2432355 | 2438697 | 2449470 | 2451723 | 2454938 | 5341792 | GK2Z10346C | DS7T10300FC | DS7T10300FD | DS7T10300KD | E1GT10300BB | GK2T10300AC | GK2T10300AD | GK2T10300AE | GK2T10300AF | GK2T10300BB | GK2T10300BC | GK2T10300BD | GK2T10300CA | GK2T10300CB | GK2T10300CC | GK2T10300CD | JX6T10300KB | JX6T10300KC | LX6T10300FAA - **Lester:** 21055 | 21059 | 21060 | 21492 | 21411

EQUIVALENTE / Equivalent

**Ford:** 1883806 | 2179006 | 2415106 | 2423315 | 2438699 | DS7T10300KE | E1GT10300BC | JX6T10300KA | KK3T10300BB | DS7Q10A352DB | KK3T10300AAB | KS7T10300BAA | L1TT10300BAA - **Litens:** 920620 - **Luk:** 535031010

**5808****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 101

APLICAÇÃO / Application / Aplicación

Nissan: Micra V 1.0 2016...

ALTERNADOR / Alternator

Mitsubishi: A5TE0281ZE - Nissan: 231005FF2A | 231005FF2B - Renault: 7470936368

EQUIVALENTE / Equivalent

INA: F615151 - Luk: 535034610

**5809****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

APLICAÇÃO / Application / Aplicación

Citroën: C1 II 1.0 VTi 2014... - Peugeot: 108 1.0 VTi 2014... - Toyota: Aygo 1.0 VTi 2014... | Yaris 1.0 2010...

ALTERNADOR / Alternator

Citroën: 1612352080 | 1612352280 | B000911980 | B000912180 - Denso: 1042102290 | 1042102291 | 1042113010 | 1042113011 | 1042113012 | 1042113490 | MS1042113490 - Lester: 20526 | 21197 | 21230 - Lexus: 270600Q070 | 270600Q150 | 270600Q151 | 270600Q170 | 270600Q190 | 2706040030 - Peugeot: 1612352080 | 1612352280 | B000911980 | B000912180 - Toyota: 270600Q070 | 270600Q150 | 270600Q151 | 270600Q170 | 270600Q190 | 2706040030

EQUIVALENTE / Equivalent

Lexus: 274150W030 | 274150W031 | 274150W220 - Litens: 920814 - Luk: 535028810 - Toyota: 274150W030 | 274150W031 | 274150W220

**5810****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

APLICAÇÃO / Application / Aplicación

Fiat: Ducato 2.3 Multijet 2006... - Iveco: Daily 33S13, 35S13, 35C13, 33S14 2014... | Daily 35C11D, 35S11, 40C11, 29L13, 29L13D, 35C13D, 40C13 2011...2014 | Daily 29L13V, 35C13V, 35S13V, 40C11V, 29L15V, 35S15V 2011...2014 | Daily 33S11, 35S11, 35C11, 33S12, 35S12, 35C12 2014... | Daily 33S12, 35S12, 33S14, 35S14, 33S16 2014... | Daily 35C15, 33S16, 35S16, 35C16 | Daily 35C15LV, 40C15LV, 50C15LV, 26L11, 26L11D 2011...2014 | Daily 35C15LV, 40C15LV, 50C15LV, 35C11K 2011...2014 | Daily 35S11DKP, 35C13K, 35C13DKP, 29L15V, 35S15 2011...2014 | Daily 35S12, 35C12, 33S13, 35S13 2014... | Daily 35S14, 35C14, 33S15, 35C13, 33S14 | Daily 35S14, 35C14, 33S15, 35S15 2014... | Daily 35S15, 35C15, 33S16, 35S16, 35C16 2014... | Daily 35S16, 33S11, 35S11, 35C11, 33S12 2014... | Daily 40C13V, 40S13V, 29L11V, 35C11V, 35S11V 2011...2014

ALTERNADOR / Alternator

Fiat: 5801378902 | 5801591939 | 5801837072 | 5801837075 - Iveco: 5801378902 | 5801591939 | 5801837072 | 5801837075 - Lester: 21157 - Valeo: 2624865B | 2624866A | FGN20S031 | FGN20S032

EQUIVALENTE / Equivalent

INA: F578280 | F57828001 - Luk: 535035110

**5811****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

APLICAÇÃO / Application / Aplicación

Audi: A4 2.0 2016...2017 | A5 2.0 2016...2017

ALTERNADOR / Alternator

Audi: 06L903024H | 06L903024HX - Denso: 1042118692 - Volkswagen: 06L903024H | 06L903024HX

EQUIVALENTE / Equivalent

Volkswagen: 428163 | 06L903219

**5814****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

APLICAÇÃO / Application / Aplicación

Mitsubishi: L200 2.4 Diesel | Pajero Sport

ALTERNADOR / Alternator

Mitsubishi: A5TL0781ZT

EQUIVALENTE / Equivalent

Mitsubishi: A252X59170

**5815****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.5 2018... | C3 1.2, III 2016... | C3 1.5, Aircross II 2018... | C3 1.5, III 2018... | C4 1.5, Cactus, Spacetourer 2018... | C5 1.5, 2.0 Aircross 2018... | Grand C4 1.5, Spacetourer 2018... | Jumper 2.0 2015...2019 | Jumper 2.2 2019... | Jumpy 1.5 2018... | Jumpy 2.0 2016... - **DS:** DS3 1.2 2015... | DS3 1.5 2018... | DS7 1.5 2017... | DS7 2.0 2017... - **Opel:** Combo 1.5 2018... | Corsa 1.5 2019... | Crossland 1.2, 2.0 X 2017... | Crossland 1.5, X, Turbo D 2018... | Mokka 1.5 2020... | Vivaro 1.5 2019... | Zafira 1.5, 2.0 2019... - **Peugeot:** 2008 1.2 2015... | 2008 1.5 2018... | 208 1.2 2012... | 208 1.5 2018... | 3008 1.5 2018... | 3008 2.0 2016... | 308 1.2 2013... | 308 1.5 2017... | 5008 1.5 2018... | 5008 2.0 2012... | 508 1.5 2018... | 508 2.0 2014... | Boxer 2.0 2015...2019 | Boxer 2.2 2019... | Expert 1.5 2018... | Expert 2.0 2011... | Partner 1.5 2018... | Rifter 1.5 2018... | Traveller 1.5 2018... | Traveller 2.0 2016... - **Toyota:** Proace 1.5, D4d 2018... | Proace 2.0, D 2013...2016 | Proace 2.0, D4d 2018... - **Vauxhall:** Combo 1.5, D, D4d 2018... | Corsa 1.5 2019... | Crossland 1.2 2017... | Crossland 1.5, Turbo D 2018... | Crossland 2.0 2017... | Mokka 1.5 2020... | Vivaro 1.5 2019...

**ALTERNADOR / Alternator**

**Citroën:** 1616897280 | 9805343480 | 9809200480 | 9818962280 | 9824742880 | 9827171980 | 9827175380 - **General Motors/Chevrolet:** 3647958 | 95526637 - **Lexus:** SU001A6527 - **Mitsubishi:** A002TV0081ZE | A003TV0281AE - **Peugeot:** 5703A4 | 1616897280 | 9805343480 | 9809200480 | 9818962280 | 9824742880 | 9827171980 | 9827175380 - **Toyota:** SU001A6527

**EQUIVALENTE / Equivalent**

**Citroën:** 1635591980 - **INA:** F602952 - **Luk:** 535031710 - **Peugeot:** 1635591980

**5816****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** AMG GT 190.377 2015... | AMG GT 190382 2020... | AMG GT Roadster 2016... | AMG GT C 190380 2017... | AMG GT R 190379 2016... | AMG GT S 190378 2014... | AMG GT X290 290688 2018... | AMG GT X290 290689 2018... | C-Class AMG C 63 2014... | E-Class AMG E 63 2017... | G-Class AMG G 63 2018... | G500 463260, 463261 2018... | GLC X253 2015... | S-Class AMG S 63 2017... | S560 217483 2017...

**ALTERNADOR / Alternator**

**Mercedes Benz:** A0009061105 | A0009061107 | A0009061205 | A0009061207 | A0009061705 | A0009061805 | A0009062409 - **Ssangyong:** A6721540102 - **Valeo:** 2624343B | 2624344C | 2712406A | CG20U030 | CG20U034 | CG25S044 | 417004697 | 417013323 | 419005229

**EQUIVALENTE / Equivalent**

**INA:** F587936 - **Luk:** 535035010

**5817****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

**APLICAÇÃO / Application / Aplicación**

**Audi:** Q7 3.0 TDI 2015...2019 - **Volkswagen:** Touareg 3.0 TDI, CR7 2017... | Touareg 3.0 V6 TDI 2010...2018

**ALTERNADOR / Alternator**

**Audi:** 059903024E | 059903024F - **Denso:** 1042106681 | 1042106684 - **Lester:** 20834 - **Seat:** 059903024E | 059903024F - **Skoda:** 059903024E | 059903024F  
**Volkswagen:** 059903024E | 059903024F

**EQUIVALENTE / Equivalent**

**INA:** F586614 - **Luk:** 535034010

**5818****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

**APLICAÇÃO / Application / Aplicación**

**Daewoo:** Gentra 1.5 2013... - **General Motors/Chevrolet:** Cobalt 1.5 2013...

**ALTERNADOR / Alternator**

**General Motors/Chevrolet:** 13579672 | 52071631

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 13577700 - **INA:** F575341 - **Luk:** 535027010

**5819****POLIA RODA LIVRE PARA ALTERNADOR - OAP**

CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

**APLICAÇÃO / Application / Aplicación**

**Ford:** EcoSport 1.5 Dragon Flex 2017... | Ka Hatch e Sedan 1.5, Dragon 2018...

**ALTERNADOR / Alternator**

**Ford:** GN1510300AA - **Valeo:** FGN12S102

**EQUIVALENTE / Equivalent**

**Ford:** GN1510A352BA

**5820****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

## APLICAÇÃO / Application / Aplicación

**Toyota:** Auris 1.3 2012...2018 | Corolla 1.3 2013...2018 | Verso 1.3 2010...2016 | Yaris 1.3 2010... | Yaris 1.5 2017...

## ALTERNADOR / Alternator

**Denso:** 1042113020 | 1042113021 | 1042113022 - **Lester:** 20947 - **Toyota:** 270600Y130 | 270600Y150 | 270600Y160 | 2706047110 | 2706047130 | 2706047150 | 2706047200 | 2706047260 | 2706047270

## EQUIVALENTE / Equivalent

**Litens:** 920035 - **Luk:** 535033810 - **Toyota:** 274150Y060 | 274150Y061**5821****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

## APLICAÇÃO / Application / Aplicación

**Volvo:** S60 CC T5 AWD 2.0 B4204T11 08/2016... | S60 II T3 2.0 B4204T37 08/2015... | S60 II T4 2.0 B4204T19 07/2019... | S60 II T5 2.0 B4204T11 08/2013... | S60 II T5 2.0 B4204T15 08/2014... | S90 T4 FWD 2.0 B4204T31 09/2017... | S90 T4 FWD 2.0 B4204T44 10/2016... | S90 T5 FWD 2.0 B4204T20 03/2016... | S90 T5 FWD 2.0 B4204T23 03/2016... | S90 T5 FWD 2.0 B4204T26 09/2017... | V40 CC 1.5 T3 B4154T4 08/2015... | V40 CC 2.0 T3 B4204T37 08/2015... | V40 CC 2.0 T4 B4201T19 08/2015... | V40 II 1.5 T2 B4154T5 09/2015... | V40 II 1.5 T3 B4154T4 09/2015... | V40 II 2.0 T2 B4201T38 09/2015... | V40 II T5 2.0 B4204T15 09/2015...08/2016 | V40 T5 2.0 2014...2018 | V60 T4 2.0 B4204T19 09/2015... | V60 T5 2.0 B4204T26 03/2018... | V70 III T5 2.0 B4204T11 08/2013...07/2016 | V90 CC T5 AWD 2.0 B4204T23 02/2017... | V90 T5 2.0 B4204T26 08/2017... | XC40 T4 AWD 2.0 B4204T47 07/2018... | XC40 T5 AWD 2.0 B4204T18 03/2018... | XC40 T5 AWD 2.0 B4204T20 03/2018... | XC60 T5 2.0 2018... | XC60 T5 AWD 2.0 B4204T20 08/2017... | XC60 T5 FWD 2.0 B4204T15 08/2013...2016 | XC60 T6 AWD 2.0 B4204T29 08/2017... | XC70 II T5 FWD 2.0 B4204T11 08/2013...07/2016 | XC90 II T5 AWD 2.0 B4204T20 06/2015... | XC90 II T5 AWD 2.0 B4204T23 06/2015...

## ALTERNADOR / Alternator

**Bosch:** 0125812037 | 0125812038 | 0125812076 - **Lester:** 21074 - **Volvo:** 30644945 | 31489212 | 36011427 | 36012360

## EQUIVALENTE / Equivalent

**Bosch:** F00M599518 - **Volvo:** 30644952 | 31480228**5822****POLIA RODA LIVRE PARA ALTERNADOR - OAP**  
CLUTCH PULLEY / POLEA RUEDA-LIBRE

FOTO / Photo pg. 102

## APLICAÇÃO / Application / Aplicación

**Ford:** Mustang V8, 5.0 2015...2017 | Mustang V8, 5.2 2016...2017

## ALTERNADOR / Alternator

**Denso:** 1042106950 | 1042106951 - **Ford:** FR3Z10346H | GR3Z10346F | GR3Z10346L | FR3T10300HA | GR3T10300HA | GR3Z10346FA

**6001****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Toyota:** Tacoma**ALTERNADOR / Alternator****Denso:** 1042108230 | 1042108232 | 1042108450 | 1042108590 - **Lester:** 11354 - **Toyota:** 2706075410 | 2706075411 | 2706075412**EQUIVALENTE / Equivalent****Litens:** 920833 - **Toyota:** 274150W050 | 274150W051 | 274150W052**6002****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Pontiac:** Vibe - **Suzuki:** Grand Vítara - **Toyota:** Alphard | Camry | Corolla | Highlander | Matrix | Previa | RAV 4 | XB**ALTERNADOR / Alternator****Denso:** 1042103780 | 1042104660 | 1042104790 | 1042104801 | 1042104810 | 1042104811 | 1042104880 | 1042104881 - **General Motors/Chevrolet:** 88975511 - **Lester:** 11195 | 11201 | 24020 - **Toyota:** Solara | 270600H110 | 270600H111 | 2706028300 | 2706028310 | 2706028311 | 2706028340 | 2706028341 | 2706038320 | 2706038321 | 270600H11184**EQUIVALENTE / Equivalent****Cargo:** 333454 - **Denso:** 1042104880 - **Litens:** 600802 | 920802 - **Luk:** 535019810 - **Ruville:** 59960 - **Toyota:** 274150W040 | 274150W041 | 274150W042 | 274150W040A | 274150W040B | 274150W040C**6003****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Impala | Malibu | Monte Carlo**ALTERNADOR / Alternator****Bosch:** AL8812N | AL8812X | 0124425049 - **General Motors/Chevrolet:** 15233597 - **Lester:** 11236**EQUIVALENTE / Equivalent****Bosch:** F00M991241 | F00M991371 - **Litens:** 920797**6004****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Chrysler:** 200 2.4 | Cirrus | Sebring 2.4 - **Dodge:** Avenger | Caliber 1.8, 2.0, 2.4 | Journey 2.4 - **Fiat:** Freemont - **Jeep:** Compass 2.0, 2.4 | Patriot 2.0, 2.4**ALTERNADOR / Alternator****Chrysler:** 4801323AB | 04801323AB | 4801323AC | 04801323AC | 4801323AD | 04801323AD | 4801477AA | 04801477AA | 4801490AA | 04801490AA - **Lester:** 11228 | 11231 | 11440 - **Melco:** A2TJ0481 | A2TX0281 | A3TJ2581 | A2TJ0481ZC | A3TJ2581ZC - **Mitsubishi:** A2TJ0481 | A2TX0281 | A3TJ2581 | 04801490AA | A2TJ0481ZC | A3TJ2581ZC | A002TX028ZC | A002TJ0481ZC | A002TX0281ZC**EQUIVALENTE / Equivalent****Chrysler:** 04891737AB | 4891767AB - **Litens:** 600810 | 920810 | 920810A - **Luk:** 535025610 | 535028110 - **Melco:** A234D037BC | A252C5221C | A252C5421C | A252C5511C**6005****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Jeep:** Patriot - **Lexus:** ES | GS | IS C | IS II | RX - **Toyota:** 4 Runner | Alphard | Aurion | Avalon | Camry | Crown | Hiace | Kluger | Land Cruiser | Previa | RAV 4 III | Sienna | SW4 | Tarago**ALTERNADOR / Alternator****Denso:** 1042102050 | 1042102051 | 1042102090 | 1042102100 | 1042102140 | 1042102141 | 1042102840 | 1042104470 | 1042104471 | 1042104570 | 1042104571 | 1042104572 | 1042104573 | 1042104574 | 1042104680 | 1042104740 | 1042104750 | 1042104890 | 1042105510 | 1042105511 | 1042105512 - **Lester:** 11136 | 11137 | 11196 | 11323 | 11325 | 11326 | 11514 | 11517 | 14072 - **Toyota:** 270600P140 | 270600P141 | 270600P150 | 270600P151 | 270600P184 | 270600P210 | 270600P240 | 270600P241 | 2706031030 | 2706031031 | 2706031040 | 2706031041 | 2706031042 | 2706031050 | 2706031051 | 2706031052 | 2706031060 | 2706031061 | 2706031062 | 2706031070 | 2706031071 | 2706031072 | 2706031080 | 2706031081 | 2706031082 | 2706031084 | 2706031090 | 2706031091 | 2706031100 | 2706031101 | 2706031102 | 2706031110 | 2706031111 | 2706031112 | 2706031160 | 2706031161 | 2706031162 | 2706031180 | 2706031190 | 2706031201 | 2706031211**EQUIVALENTE / Equivalent****Litens:** 600726 | 920726 | 920954 - **Luk:** 535020910 - **Toyota:** 274150W010 | 274150W060 | 274150W061 | 274150W062 | 274150W063 | 274150W010A | 274150W010B | 274150W010C | 274150W0130 | 274150W130A

**6006****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Chrysler:** Pacifica | Town | Voyager - **Dodge:** Caravan | Grand Caravan - **Pontiac:** Vibe - **Toyota:** Auris | Avensis | Camry | Corolla | Matrix | RAV 4 | tC | Verso | Yaris**ALTERNADOR / Alternator**

**Bosch:** AL6438X | AL6537X | AL6550X - **Chrysler:** 4686430AF | 4801779AG | 04801779AG | 04868430AB | 4868430AB | 4868430AC | 04868430AC | 4868430AD | 4868430AD | 04868430AE | 4868430AE | 04868430AF | 4868430AF | 4868430AH | 04868431AB | 4868431AB | 4868431AC | 04868431AC | 4868431AD | 04868431AD | 4868431AF | 04868431AF | 4868431AG | 04868431AG | 04868760AD | 4868760AD | 4868760AE | 04868760AE | 4868760AF | 4868760AF | 4868760AH | 04868760AH | RL801624AD | RL801779AG | P04801624AD | P04801779AG - **Denso:** 210402090 | 1042101461 | 1042102250 | 1042102270 | 1042102340 | 1042102341 | 1042102801 | 1042102802 | 1042102803 | 1042105390 | 1042105480 | 1042105481 | 1042105490 | 1042105491 | 1042106160 | 1042106310 | 1042107020 | 1042107022 | 1042108342 | 4210000011 | 4210000012 | 4210000013 | 4210000021 | 4210000022 | 4210000023 | 4210000024 | 4210000025 | 4210000026 | 4210000027 | 4210000028 | 4210000141 | 4210000142 | 4210000145 | 4210000222 | 4210000223 | 4210000225 | 4210000300 | 4210000301 | 4210000302 | 4210000303 | 4210000304 | 4210000750 | 4210000770

**General Motors/Chevrolet:** 10396863 | 20838975 | 25815839 | 25864953 | 88975507 - **Hyundai:** 3730025301 | 373002G150 - **Lancia:** 4801624AD - **Lester:** 11385 | 11386 | 13870 | 13871 - **Toyota:** 270600T40 | 270600T040 | 270600T041 | 270600T130 | 270600T320 | 270600V010 | 2706036010 | 2706037010 | 2706037011 | 2706037040 | 2706037041 | 2706037050 | 2706037051 | 2706037081

**EQUIVALENTE / Equivalent**

**Chrysler:** 0210400990 | 04861506AB | 4861506AC | 4861506AD | 04861506AE | 4861506AF | 04861506AG | 05184136AB - **Denso:** 0210101130 | 0210101170 | 0210101320 | 0210101440 | 0210101441 | 0210401811 | 0210401840 | 0210402090 | TN020102090 - **Litens:** 600834 | 920538 | 920685 | 920834 | 920893 | 920906 | 920971 | 600834A | 920906A - **Luk:** 535020810 - **Toyota:** 0210401110 | 0210401130 | 0210401170 | 0210401190 | 0210401320 | 0210401440 | 0210401441 | 0210401450 | 274150T010 | 274150T011 | 274150T060 | 274150W020 | 274150T011A | 274150W020A | 274150W020B

**6007****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Opel:** Astra G | Combo | Signum | Speedster | Vectra B | Vectra C | Vectra C GTS | Zafira A | Zafira B - **Saab:** 42803 | 9-3X**ALTERNADOR / Alternator**

**Bosch:** 01240AA7BB | 0124415025 | 0124415026 | 0124425004 | 0124425033 | 0124425040 | 0124425048 | 0124425053 | 0124515096 | 0124525017 | 0124525058 | 0124525086 | 0986044010 | 0986044020 | 0986048070 | F00M991139 | F00M991246 - **General Motors/Chevrolet:** 9199575 | 93172075 | 93172080 | 93176035 | 93184952 | 93184953 | 93190828 - **Lester:** 11043 | 11186 | 11255 | 23107 | 23240 - **Opel:** 6204113 | 6204173 | 24415914 | 24455913 | 24455914 - **Saab:** 12755484 | 12757362 | 12757363 | 12785604 | 12803492 - **Scania:** 12757362 - **Steyr:** 12757362

**EQUIVALENTE / Equivalent**

**Bosch:** F00M991139 - **General Motors/Chevrolet:** 61895226 | 93172295 - **Litens:** 920629 - **Luk:** 535007130 - **Opel:** 1204376 | 93172295 - **Saab:** 12786853 - **Valeo:** 588070

**6009****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** Mito 1.3 Multijet 09/2008... - **BMW:** 3 318 d 320 d M47 D20 (204D4) (90-110kW) 09/2005...12/2011 | 3 Touring 318 d 320 d M47 D20 (204D4) (90-110kW) 09/2005... - **Fiat:** 500 1.3 D Multijet 169 A1.000 (55kW) 10/2007... | 500C 1.3 D Multijet 169 A1.000 (55kW) 10/2007... | Doblo 1.3 D Multijet 1.3 JTD 05/2005... | Fiorino 1.3 D Multijet 199 A2.000 199 A9.000 199 B1.000 (55-70kW) 11/2007... | Idea 1.3 D Multijet 1.3 JTD 01/2004... | Linea 1.3 D Multijet 199 A3.000 (66-70kW) 06/2007... | Panda 1.3 D Multijet 4x4 09/2003... | Punto 1.3 D Multijet 199 A2.000 199 A3.000 (55-66kW) 10/2005... | Strada 1.3 D Multijet 199 B1.000 (70kW) 10/2010... - **Ford:** Ka 1.3 TDCi FDS (55kW) 10/2008... - **Lancia:** Musa 1.3 D Multijet 188 A9.000 (51kW) 10/2004... | Ypsilon 1.3 D Multijet 1.3 JTD 188 A9.000 199 A2.000 (51-55kW) 10/2003...12/2011 - **Opel:** Agila 1.0 1.2 16V Twinport 1.3 CDTi 08/2003...12/2007 | Astra G 1.2 16V 1.4 09/2000...12/2009 | Astra H 1.2 1.3 CDTi 1.4 LPG 03/2004...10/2004 | Combo C 1.3 CDTi 16V 10/2004... | Corsa D 1.3 CDTi 07/2006... | Meriva 1.3 CDTi 09/2003...05/2010 | Tigris 1.3 CDTi 06/2004... - **Suzuki:** Ignis II 1.3 DDiS 09/2003... | Splash 1.3 CDTi 01/2008... | Swift III 1.3 DDiS D13A Z13DT Z 13 DTJ (51-55kW) 08/2005... | Wagon R 1.3 DDiS Z13DT (51kW) 09/2003...

**ALTERNADOR / Alternator**

**Fiat:** 51727335 | 55185075 | 55185076 | 77363954 - **General Motors/Chevrolet:** 2542851 | 13117278 | 13117279 | 704042419 | 13283344BW - **Lester:** 20495 | 22795 | 22796 | 23325 | 23792 | 23922 | 23924 - **Opel:** 13117278 | 704114923 | 13283344BW - **Suzuki:** 3140000 - **Valeo:** 437504 | 439523 | 439615 | TG8S013 | TG8S016 | TG9S015 | TG9S016 | TG9S021 | TG9S022 | TG9S027

**EQUIVALENTE / Equivalent**

**Fiat:** 77363954 - **General Motors/Chevrolet:** 93178273 | 93192631 - **Litens:** 600693 | 920693 - **Luk:** 535006310 | 535021210 - **Opel:** 55186280 - **Ruville:** 59974

**Suzuki:** 3177185000 | 3177185E00 - **Valeo:** 580359 | 593891

**6010****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

**APLICAÇÃO / Application / Aplicación****Citroën:** C5 - **Peugeot:** 407 | 407 Coupe | 407 SW | 607**ALTERNADOR / Alternator****Bosch:** 0121715001 | 0121715101 - **Citroën:** C6 | 5705CJ | 5705EJ | 9653459080 | 9657129680 - **Lester:** 24077

**6010****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

EQUIVALENTE / Equivalent

Bosch: F00M349860 | F00M391100 | F00M391135 - Litens: 600731 | 920731 - Luk: 535018910

**6011****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Mito 1.3 MultiJet 199 A3.000 199 B1.000 (66-70kW) 09/2008... - Fiat: Grand Punto 1.3 D Multijet 199 A3.000 199 B1.000 (66-70kW) 03/2009...02/2012 | Punto 1.3 D Multijet 199 A2.000 199 A3.000 (55-66kW) 10/2005...

ALTERNADOR / Alternator

Bosch: 0986048781 - Denso: 1012100950 | 1012100951 | 1012100960 | 1012100961 | 1012100970 | 1012100971 | 1012108610 | 1012108620 | 1012108630 | MS1210410580 - Fiat: 51787208 | 51787209 | 51787210 | 51787214 | 51805800 | 51854910 | 51854912 | 51854914 | 51854915 | 51854916 | 51855875 - Lester: 23325 | 23797 | 23922 | 23923 | 24063 | 24064 | 24065 | 24068 - Man: MAN7425 | MAN7495 - Opel: 13153237 | 13222934 | 13222935 | 13222936 | 13256932 | YZ13153237

EQUIVALENTE / Equivalent

Cargo: 333453 - Denso: 1210410580 - Fiat: 77364721 - IKA: 335961 - Litens: 600789 | 920789 - Luk: 535019210 - Opel: 6204229

**6012****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

Opel: Astra H | Signum | Top | Vectra C | Zafira B - Saab: 42803

ALTERNADOR / Alternator

Bosch: 0124325172 | 0124325221 | 0124425058 | 0124425059 | 0124425096 | 0124425097 | 0124525174 - Lester: 20007 | 23816 | 23817 - Opel: 13229990 | 13229991 | 13229992 | 13308506 | 13308508 | 93191921 | 93191922

EQUIVALENTE / Equivalent

Bosch: F00M91281 | F00M147613 | F00M147854 | F00M992725 | F00MA47704 - General Motors/Chevrolet: 55571966 - Litens: 600856 | 920856 - Luk: 535018810

**6013****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

Dodge: Nitro - Jeep: Cherokee | Liberty KJ | TJ | Wrangler III

ALTERNADOR / Alternator

Chrysler: 1210003842 | 56041578AD | 56041578AE | 56044530AA | 56044530AB | 56044530AC | 56044532AA | 56044532AB | 56044532AC | 56044532AD | 56044672AA | 56044672AB - Denso: 1042104240 | 1042104241 | 1210003490 | 1210003841 | 1210003842 | 1210003843 | 1210003846 | 1210003850 | 1210003851 | 1210004240 | 1210004390 | 1210004391 | 1210004520 | 1210004521 | 1210004550 | 1210004551 | 4210000081 | 4210000086 - Lester: 11063 | 11114 | 11385 | 11386 | 13870 | 13871 | 13960 | 13961 | 23798

EQUIVALENTE / Equivalent

Chrysler: 053013554AB | 053013554AC | 053013554AD | 053013554AE - Denso: 0210401110 | 0210401190 | 0210401450 | 1210411450 - Litens: 600615 | 600720 | 920615 | 920720 - Luk: 535017410

**6014****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

Audi: A1 2010...2018 | A3 2012... | A4 2007...2015 | A4 Allroad 2009...2016 | A4 Avant 2007...2015 | A5 2007...2017 | A6 2010...2018 | A6 Avant 2011...2018 | A7 Sportback 2010...2018 | Q3 2010...2018 | Q5 2008...2017 - Seat: Alhambra 2010... | Ateca 2016... | Exeo 2008...2013 | Ibiza IV 2008... | Kodiaq 2016... | Leon 2012... | Leon SC, ST 2013... - Volkswagen: Amarok 2.0 TSI 2010...2016 | Arteon 2017... | Beetle 2011...2019 | Beetle 2.0 TSI Cabriolet CPLA 01/2013...07/2016 | Beetle 2.0 TSI CPLA 12/2012...06/2016 | Golf 2014... | Jetta 2.0 TSI CPLA 10/2014...12/2017 | Multivan 2003...2015 | Multivan VI 2015... | Passat 2011... | Polo 2009... | Scirocco 2008...2017 | Sharan 2010... | T Roc 2017... | Tiguan 2016... | Touran 2015... | Transporter 2003

ALTERNADOR / Alternator

Audi: 06A903119 | 06H903119 | 06J903119 | 06K903219 | 06H903119A | 06H903119B | 06H903201C | 06H903201D | 06H903201H | 06H903219C - Bosch: 0124525113 | 0124525210 | 0125711044 | 0125711051 | 0125711090 | 0125711127 | 0125711128 | 0125711151 | 0125711152 | 0125716009 | 0125716010 | 0986083150 | F000BL0803 | F000BL0829 | F000BL08G5 | F000BL08G6 - Lester: 11466 | 11724 | 11725 | 11727 | 20753 | 21123 | 24226 - Volkswagen: 06A903119 | 06H903119 | 06J903119 | 06K903015 | 06K903219 | 06A903023B | 06A903023E | 06A903023F | 06A903023G | 06H903016J | 06H903016L | 06H903016S | 06H903017D | 06H903017J | 06H903017S | 06H903017T | 06H903018D | 06H903018H | 06H903018J | 06H903018P | 06H903119A | 06H903119B | 06H903201C | 06H903201D | 06H903201H | 06H903219C | 06J903023A | 06J903023B | 06J903023D | 06J903023G | 06J903023H | 06J903023K | 06J903023N | 06J903023P | 06J903023R | 06J903023T | 06K903015A | 06K903015B | 06K903023B | 06K903023D | 06K903023G | 06K903024A

EQUIVALENTE / Equivalent

Bosch: F00M147910 | F00M591111 | F00M991277 | F00M992742 | F00MA47706 - INA: 535021010 - Litens: 920851 | 1000555 | 1013776 - Volkswagen: 06H903119B



**6015****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

Chrysler: Pacífica

ALTERNADOR / Alternator

Chrysler: 4801322AB | 4869900AB | 4869900AC | 04869900AC - Lester: 11115 | 11229 | 20082 - Mitsubishi: A3TJ0381 | A3TJ1881 | A3TJ0381ZC

EQUIVALENTE / Equivalent

Chrysler: 04861638AA | 04861638AB | A252C5221C - Litens: 920768

**6018****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Impala

ALTERNADOR / Alternator

Denso: 1042105380 - General Motors/Chevrolet: 15846253 - Lester: 11237

EQUIVALENTE / Equivalent

Denso: 0210401700 - Litens: 920844

**6026****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 103

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Corvette

ALTERNADOR / Alternator

General Motors/Chevrolet: 10305775 | 10316182 | 10327314 | 10350160 | 10353440 | 10436674 | 10305775A | 10305775B - Lester: 13864 | 13969 - Valeo: 420164 | 2650164 | 2650491 | A14Vi39 | 2541445B | 2542445A | 2600730A | 2650073B | 2650164A | TG15C013 | TG15C089 | TG15C107 | TG15S010 | 36500164A

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 2601499 | 2548266A | 2548266B | 2548266C | 2548266D | 2548266E | 2601499A - Litens: 49908 | 920667 | 920667A - Valeo: 2601499A

**6027****POLIA RODA LIVRE COM AMORTECIMENTO PARA ALTERNADOR Z-VIB**

DECOUPLER PULLEY Z-VIB / POLEA RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB

FOTO / Photo pg. 104

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Corvette

ALTERNADOR / Alternator

General Motors/Chevrolet: 10327514 | 15791160 | 15841234 | 25888970 - Lester: 13969A - Valeo: 420151 | TG15C046 | TG15C107 | TG15C139 | TG15S051 | TG15S089 | TG15S107

EQUIVALENTE / Equivalent

Litens: 920746 | 920746A - Valeo: 2605916 | 2650151 | 2650380 | 265040B | 265040C | 2650491 | 2601628A | 2601628B

**5600**

**TAMPA P/ POLIAS**

COVER SEAL FOR CLUTCH PULLEY / TAPA PROTECTORA DE POLEA RUEDA-LIBRE

FOTO / Photo pg. 105

APLICAÇÃO / Application / Aplicación

ZEN: Universal

EQUIVALENTE / Equivalent

Bosch: 1120591505 - Cargo: 138092 - INA: F22655651 - Luk: 711019900

**12623**

**FERRAMENTA PARA MONTAGEM/DESMONTAGEM DE POLIAS RODA LIVRE**

PULLEY EXTRACTOR / HERRAMIENTA DE SACAR POLIAS

FOTO / Photo pg. 105

APLICAÇÃO / Application / Aplicación

ZEN: Universal



## CONHEÇA NOSSA LINHA COMPLETA DE PRODUTOS

MEET OUR COMPLETE PRODUCT LINE

CONOZCA NUESTRA GAMA COMPLETA DE PRODUCTOS



IMPULSORES DE PARTIDA | POLIAS DE RODA LIVRE (OAP) | POLIAS DE RODA LIVRE COM AMORTECIMENTO Z-VIB | POLIAS RÍGIDAS | TENSORES | KITS DE DISTRIBUIÇÃO | ALTERNADORES | MOTORES DE PARTIDA | ROLAMENTOS | MANCAIS | PLANETÁRIAS

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 | PLANETARIOS

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