SULCARBON

PORTA-ESCOVAS

ESCOVAS AUTOMOTIVAS

BUCHAS AUTOLUBRIFICANTES

KITS DE BUCHAS

PLANETÁRIAS

REPAROS
DE PLANETÁRIAS

ROLAMENTOS

4ª Edição

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

Fundada no ano de 1994, a empresa está localizada ao sul do país, em Porto Alegre, Rio Grande do Sul. A Sulcarbon orgulha-se de ser até hoje a única fabricante 100% nacional de escovas automotivas.

Através de seus representantes, a Sulcarbon está presente em todos os estados do Brasil, e em mais de 25 países nos seis continentes. Isto demonstra a vocação pioneira e inovadora da empresa em um mercado extremamente exigente e dinâmico.

Através de um departamento próprio de engenharia, desenvolve soluções que visam constantemente aumentar a qualidade e flexibilidade no que diz respeito a sua vasta linha de escovas automitivas, porta-escovas e buchas autolubrificantes, atendendo o mercado de veículos nacionais ou importados, tendo como diferencial um rígido padrão de qualidade e precisão, presente em todas as etapas de fabricação.

QUALIDADE SULCARBON

Tendo sempre em vista a satisfação de seus clientes, a Sulcarbon vem adotando uma rígida política de qualidade em sua produção. Controle este feito a partir da análise microscópica e amostragem de densidade da matéria-prima utilizada.

Com intenção de obter resultados confiáveis, foram desenvolvidas bancadas de testes de motores de partida e alternadores, submetendo as escovas e porta-escovas a condições de uso muito próximas da realidade. Utilizando normas técnicas, são ainda aferidas as propriedades físicas do produto final. Através dos ensaios, o banco de dados interno é abastecido e é possível a análise de onde a empresa ainda pode atuar para a constante melhora de seus produtos.

Novas tecnologias e equipamentos vêm sendo buscados no exterior para que novos horizontes sejam abertos e para que a Sulcarbon continue firme no propósito de consolidar cada vez amis seu nome no mercado mundial. Isto faz com que a Sulcarbon seja a única fabricante de escovas automotivas 100% nacional com tecnologia de primeiro mundo.

ISO 9001-2015
EMPRESA CERTIFICADA

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IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

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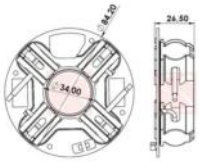
SULCARBON

PORTA-ESCOVAS

Motores de Partida

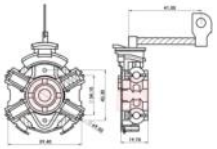


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-005-24V	BOSCH - WAPSA	HX87-M1.5KW	F002G20731

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
BC-4511001-BA, BC45Z1001BA, F002G20904	6,1 x 22,0 x 17,3

APLICAÇÕES

CUMMINS MOTOR ELETRÔNICO 24V, MOTOR ISC 4.5L, MOTOR ISC 6.7L 2010 **FORD** CARGO 1119, CARGO 1317, CARGO 1319, CARGO 1517, CARGO 1519, CARGO 1717, CARGO 1719, CARGO 1722, CARGO 1723, CARGO 1729, CARGO 2422, CARGO 2423, CARGO 2429, CARGO 2622, CARGO 2623, CARGO 2626, CARGO 2628, CARGO 2629, CARGO 816



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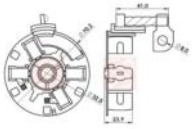
A-012-12V	BOSCH - WAPSA		1004336561,1004336765,053911209A

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107103, 0001107106, 0001121026, 0001121027, 0001121030, 0001121035, 001911023B, 001911023C, 001911023CX, 001911023X, 036911023S, 085911023H, 085911023HX	5,0 x 12,0 x 11,6

APLICAÇÕES

SEAT CORDOBA 1.0, CORDOBA 1.4, IBIZA 1.0, IBIZA II, IBIZA III, IBIZA IV 1.0 **VOLKSWAGEN** GOLF III, POLO CLASSIC 1.0 MI 16V;

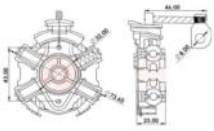


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-013-12V	BOSCH - WAPSA		1004338102,1004338126,1004338140, 0399D77075

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001177000, 0001177001, 0001177002, 0001177003, 0001177004, 0001177005, 0001177006, 0001177007, 0001177008, 0001177009, 0001177010, 0001177011, 0001177012, 0001177013, 0001179500, 0001179501, 0001179502, 0001179503, 0001179504, 0001179505, 0001179506, 0001179507, 0001179508, 0001179509, 0001179510, 0001179511, 0001179512, 0001179513, 0001179514, 0001179515, 0001179516, 0001179517, 0001179518, 0001179519, 0001179522, 0001179523, 02M911024R, 02M911021H	5,0 x 16,0 x 13,5

APLICAÇÕES

AUDI A1, A3, S3 **FIAT** DOBLO, FIORINO, PALIO, PUNTO FIRE 2010, SIENA, UNO **SEAT** MII **SKODA** CITIGO 1.0 **VOLKSWAGEN** FOX 1.0 BLUEMOTION 2013 ATÉ 2014, GOLF, JETTA 1.4, JETTA 1.6, JETTA 2.0, POLO 2.0R WRC 6R 2013, UP! 1.0 FLEX 2014 EM DIANTE

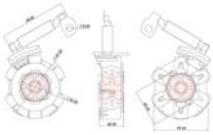


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-014-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001115005, 0001115006, 0001115070, 0001115078, 0001115114, CC1T11000BB	6,0 x 18,0 x 14,5

APLICAÇÕES

AUDI A3, A3 CONVERSÍVEL, RS3 2.5 TFSI SPORTBACK QUATTRO, TT, TT ROADSTER **CITROËN** JUMPER **FORD** TRANSIT **MERCEDES-BENZ** CLASSE C 240, CLASSE C 280, CLASSE C 36 AMG, CLASSE CL 500, CLASSE CL 55 AMG, CLASSE CLK 320, CLASSE CLK 350, CLASSE CLK 430, CLASSE CLK 500, CLASSE CLK 55 AMG, CLASSE E 240, CLASSE E 320, CLASSE E 420, CLASSE G 320 CLASSE G 55 AMG, CLASSE ML 320 CDI, CLASSE ML 350 CDI, CLASSE ML 430, CLASSE ML 500, CLASSE ML 55 AMG, CLASSE S 500, CLASSE S 55 AMG, CLASSE S 600, CLASSE S 65, CLASSE SL 500, CLASSE SLK 55 AMG, CLASSE SLR 722 **PEUGEOT** BOXER **SEAT** ALTEA, ALTEA XL, LEON, TOLEDO III **SKODA** OCTAVIA COMBI, SUPERB ESTATE **VOLKSWAGEN** BEETLE, CADDY III BOX, CADDY III ESTATE, CC 3.6 FSI 4MOTION, EOS, GOLF MK IV, GOLF PLUS, GOLF V, GOLF V VARIANT, JETTA SALOON, PASSAT CC, PASSAT SALOON, PASSAT VARIANT, TOURAN



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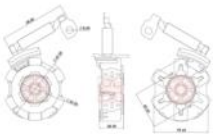
A-017-12V	BOSCH - WAPSA		1004336681

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001139019, 0001139037, 0001145001, 0001145002	4,5 x 19,5 x 14,0

APLICAÇÕES

OBSERVAÇÕES Para motores start-stop / 6 escovas. **AUDI** A1, A3 **PORSCHE** PANAMERA **SEAT** CORDOBA, IBIZA **SUZUKI** SWIFT IV **VOLKSWAGEN** GOLF, POLO



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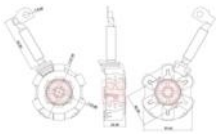
A-018-12V	BOSCH - WAPSA		1004337006,1004337146,1004337161

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001153001, 0001153005, 0001153007, 0001153008, 0001153009, 0001153010, 0001153013, 0001153015, 02E911024C, 02M911024C, 02Z911023H, 02Z911024H, 03G911209AA, 0AM911023G	4,5 x 19,5 x 14,0

APLICAÇÕES

OBSERVAÇÕES Para motores start-stop / 4 escovas. **AUDI** A1 1.6 TDI, A3 1.6 TDI, A6 **SEAT** ALTEA 1.6 TDI, IBIZA 1.2, IBIZA 1.4, IBIZA 1.6, LEON 1.6 TDI, TOLEDO 1.4, TOLEDO 1.6 **SKODA** FABIA 1.2 TDI, FABIA 1.6 TDI, OCTAVIA 1.6 TDI, ROOMSTER 1.2, ROOMSTER 1.6, SUPERB 1.6 TDI, YETI 1.6, YETI 2.0 TDI **VOLKSWAGEN** BEETLE 1.6, BEETLE 2.0 TDI, GOLF 1.6 TDI, GOLF 2.0, JETTA 1.6, JETTA 2.0, POLO, TOURAN 1.6 TDI



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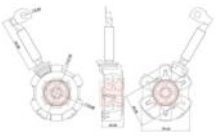
A-019-12V	BOSCH - WAPSA		1004337160

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001138055	4,5 x 14,0 x 12,5

APLICAÇÕES

OBSERVAÇÕES Para motores Start-Stop **ALFA ROMEO** GIULIETTA 1.4, GIULIETTA 1.4 TB, GIULIETTA 1.6 JTDM, MITO 0.9, MITO 1.4, MITO 1.4 T, MITO 1.6 JTD, MITO 1.6 JTDM **AUDI** A4 3.2 TFSI, A5 3.2 TFSI, A6 2.8 TFSI, A6 3.0 TFSI, A7 3.0 TFSI, A8 3.0 TFSI **FIAT** 500 0.9, 500 1.2, 500 1.4, 500 C 0.9, 500 L 0.9, 500 L 0.9 CNG, 500 L 1.6 MULTIJET, 500 X 1.6 MULTIJET, DOBLO 1.4, DOBLO 1.4 CARGO, DOBLO 1.6 DIESEL MULTIJET, IDEA 1.2 16V, IDEA 1.4 16V, PANDA 0.9, PANDA 0.9 4X4, PANDA 0.9 CNG, PUNTO 0.9 BIFUEL, PUNTO 0.9 TWINAIR TURBO, PUNTO 1.4, PUNTO EVO 1.4, PUNTO EVO 1.4 16V PUNTO EVO 1.6 DIESEL MULTIJET **JEEP** RENEGADE 1.6 CRD **KIA** CARENS 1.6, CEE´D 1.4, CEE´D 1.6, RIO 1.4, RIO 1.6, SOUL 1.6 GDI, SPORTAGE 1.6 GDI **LANCIA** DELTA 1.4 16V, MUSA 1.6 DIESEL MULTIJET, YPSILON 0.9 TWINAIR **MINI** COOPER 1.6 D, COOPER 2.0 D, COOPER 2.0 D CLUBMAN, COOPER 2.0 SD CLUBMAN



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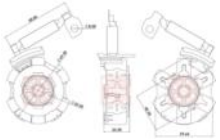
A-020-12V	BOSCH - WAPSA		986025550,1004337013,1004337029, 1004337042

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001148003, 0001148004, 0001148009, 0001148010, 0001148015, 0001148016	4,5 x 14,0 x 12,5

APLICAÇÕES

OBSERVAÇÕES Aplicado em motores start-stop. **BMW** 318D, M3 4.0, X1 2.0 **CHEVROLET - GM** MALIBU 2.0 D **OPEL** ASTRA 2.0 BITURBO CDT, ASTRA 2.0 CDTI, CASCADA 2.0 CDT, INSIGNIA 2.0 BITURBO CDTI, INSIGNIA 2.0 BITURBO CDTI 4X4, INSIGNIA 2.0 CDTI, INSIGNIA 2.0 CDTI 4X4, ZAFIRA 2.0 BITURBO CDTI, ZAFIRA 2.0 CDTI **VAUXHALL** ASTRA 2.0 BITURBO CDTI, ASTRA 2.0 CDTI, CASCADA 2.0 CDTI, INSÍGNIA 2.0 BITURBO CDTI 4X4, INSÍGNIA 2.0 CDTI, INSÍGNIA 2.0 CDTI 4X4, INSÍGNIA CDTI BITURBO 2.0, ZAFIRA 2.0 BITURBO CDTI



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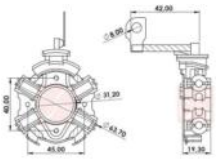
A-021-12V	BOSCH - WAPSA		1004337066,1004337016,1004337020, 1004337021,1004337036,1004337044, 1004337062,1004337152

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001147402, 0001147403, 0001147404, 0001147405, 0001147406, 0001147407, 0001152410, 0986023137, A2709060700	4,5 x 14,0 x 12,5

APLICAÇÕES

OBSERVAÇÕES Aplicado em motores start-stop. **MERCEDES-BENZ** CL 500 4.7, CL 63 5.5 AMG, CLS 500 4.7, CLS 500 4.7 4-MATIC, CLS 63 5.5 AMG, E 500 4.7, E 550 4.7, E 63 5.5 AMG, S 500 4.7 CGI, S 500 4.7 CGI 4-MATIC, S 63 5.5 AMG, SL 500 4.7, SL 63 5.5 AMG, SLK 55 5.5 AMG (01/2010 - 01/2012)



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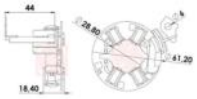
A-022-12V	BOSCH - WAPSA	DB/LT	1004336519,1004336655,1004336896, 02M911209C

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107406, 0001107426, 0001107476, 0001107477, 0001107508, 0001107509, 0001107514, 0001107529, 0001121402, 0001121403, 0001121408, 0001121412, 0001121413, 0001121429, 0001121430, 0001121435, 0001121436, 0051513901, 02E911023J, 02E911023S, 02M911023G, 02M911024D, 02M911024DX, 02M911G, 02M911GX, 02M911S, 02M911SX, 02Z911023E, 02Z911023EX, 0AH911023, 28100-0T090, 28100-0T091, 8200792969C	4,6 x 12,0 x 11,5

APLICAÇÕES

AUDI A1 2.0 TFSI QUATTRO, A3 1.8 TFSI SPORTBACK, Q3 2.0 TFSI QUATTRO, TT 2.0 TFSI COUPÉ QUATTRO **SEAT** IBIZA IV **VOLKSWAGEN** EOS 2.0 FSI, GOL VI, GOLF V, JETTA 2.0 TOTAL FLEX JETTA 2.0 TSI, JETTA 2.5, JETTA 2.5 VARIANT, JETTA III, MULTIVAN V, PASSAT 2.0 FSI, PASSAT 2.0 TSI, PASSAT 2.0 TSI VARIANT, POLO, TIGUAN 2.0 TSI 4MOTION, TOURAN, TRANSPORTER V



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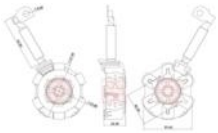
A-025-12V	BOSCH - WAPSA		1004339005

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
281000T310A, 28100-0T310-A, 51997820, F000C60001, F000C60003, F000C60004, F000C60005, F000C60299, F000C60300, F000C60303, F000C60305, GN1511000BA, GN15-11000-BA	4,2 x 11,9 x 10,8

APLICAÇÕES

FIAT DOBLO, FIORINO, PALIO, PUNTO FIRE 2010 EM DIANTE, SIENA, STRADA, UNO **TOYOTA** COROLLA 2015 EM DIANTE



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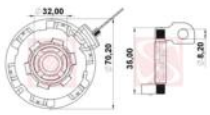
A-034-12V	BOSCH - WAPSA		1004337153,1004337154,1004337165

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001138017, 0001138043, 0001138044, 0001138049, 0001138050, 0001138053, 0001138054, 0001138057, 0001138058, 0001138059, 0001138060, 0001138061, 0001138062, 0001142003, 0001147424, 0001147425, 0399D77054	4,5 x 14,0 x 12,5

APLICAÇÕES

OBSERVAÇÕES Aplicado em motores start-stop. **BMW** 116 1.6I (2007-2011), 116 2.0I (2009-2012), 118 2.0I (2007-2012), 120 2.0I (2007 ->), 125 2.0I (2011 ->), 220 2.0I (2013 ->), 228 2.0I (2014 ->), 316 1.6I (2007 ->), 318 2.0I (2007 ->), 320 2.0I (2007-2014), 320 2.0I XDRIVE (2011 ->), 320I L4 2.0L 2013 ATÉ 2014, 320I XDRIVE L4 2.0L 2013 ATÉ 2014, 328 2.0I (2011 ->), 328 2.0I XDRIVE (2011 ->), 328I GT XDRIVE L4 2.0L 2014, 328I L4 2.0L 2012 ATÉ 2014, 328I XDRIVE L4 2.0L 2013 ATÉ 2014, 335 3.0 XI (2011 ->), 335 3.0I (2011 ->), 335 3.0I GT (2013 ->), 335 3.0I GT XDRIVE (2013 ->), 335 3.0I XDRIVE (2011 ->), 420 2.0I (2013 ->), 420 2.0I XDRIVE (2013 ->), 428 2.0I (2013 ->), 428 2.0I XDRIVE (2013 ->), 428I L4 2.0L 2014, 428I XDRIVE L4 2.0L 2014, 435 3.0I (2013 ->), 435 3.0I XDRIVE (2013 ->), 520 2.0I (2011 ->), 528 2.0I (2011 ->), 528 2.0I XDRIVE (2011 ->), 528I L4 2.0L 2014, 528I XDRIVE L4 2.0L 2014, 535 3.0I (2009 ->), 535 3.0I XDRIVE (2010 ->), 640 3.0I (2010 ->), 640 3.0I XDRIVE (2010 ->), 740 3.0I (2012 ->), M 135 3.0I (2011 ->), M 135 3.0I XDRIVE (2012 ->), X1 1.6 SDRIVE 16I (2013 ->), X1 2.0 SDRIVE 20I (2011 ->), X1 2.0 XDRIVE 28I (2011 ->), X1 L4 2.0L 2014, X3 2.0 SDRIVE 20I (2014 ->), X3 2.0 XDRIVE 28I (2011 ->), X3 3.0 XDRIVE 35I (2010 ->), X3 L4 2.0L 2014, X4 3.0 XDRIVE 35I (2014 ->), X5 3.0 XDRIVE 35I (2013 ->), X5 35I (2013 ->), Z4 2.0 SDRIVE 18I (2013 ->), Z4 2.0 SDRIVE 20I (2011 ->), Z4 2.0 SDRIVE 28I (2011 ->), Z4 L4 2.0L 2014 **HYUNDAI** CRETA, VELOSTER

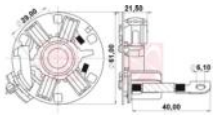


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-037-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001170421, 0001177401, 0001180603, 0001170698, 50150359, 52014723, 52033809, 52033810	4,5 x 14,0 x 12,5

APLICAÇÕES

FIAT ARGO 1.0 3CIL COM MOTOR FIREFLY, CRONOS 1.3 3CIL ANO 2018 EM DIANTE, MOBI 1.0 3CIL COM MOTOR FIREFLY, NOVO UNO 1.0 3CIL COM MOTOR FIREFLY, UNO 1.0 3CIL COM MOTOR FIREFLY

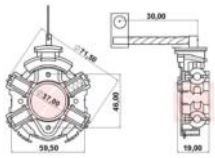


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-039-12V	BOSCH - WAPSA		1004339020

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0.001.194.001, 0.001.194.009, 0.001.194.010, 0.001.194.019 0.001.194.020, 0.399.709.301, 0.399.709.302, 52032619, 52033810	4,5 x 15,0 x 11,0

APLICAÇÕES

FIAT ARGO 1.0 FIREFLY 2017 ED, DOBLO, FIORINO, FURGÃO, MOBI 1.0 (C/ MOTOR FIREFLY), PALIO, PUNTO, SIENA, STRADA, UNO 1.0 FIREFLY 09/2016 ED, UNO 1.3 FIREFLY 09/2016 ED **TOYOTA** C-HR 2.0 2016 ED, COROLLA 2.0

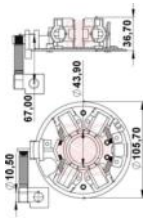


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-041-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
F000AL0309, F000AL0402	4,5 x 12,0 x 11,5

APLICAÇÕES

FIAT FIORINO 1.3L FURGÃO (ANO 2003 ATÉ 2006), PALIO 1.0 8V MPI FLEX (ANO 2005 ATÉ 2008), PALIO 1.0 MPI 8V (ANO 2000 ATÉ 2007), PALIO 1.3 MPI 8V (ANO 2002 ATÉ 2003), PALIO 1.3 MPI 8V FLEX (ANO 2003 ATÉ 2005), PALIO 1.4 MPI 8V FLEX (ANO 2005 ATÉ 2007), PALIO FIRE 1.0 MPI 8V (ANO 2002 ATÉ 2009), PALIO WEEKEND 1.3 MP (ANO 2002 ATÉ 2005), PALIO WEEKEND 1.4 MP (ANO 2005 ATÉ 2008), SIENA 1.0 MPI 8V FIRE (ANO 2002 ATÉ 2009), SIENA 1.0 MPI 8V FLEX FIRE (ANO 2005 ATÉ 2006), SIENA 1.0 MPI COM MOTOR 8V FLEX (ANO 2005 ATÉ 2007), SIENA 1.0L COM MOTOR SOHC 8V (ANO 2004 ATÉ 2005), SIENA 1.3 MPI 8V (ANO 2002 ATÉ 2004), SIENA 1.3 MPI 8V FLEX (ANO 2004 ATÉ 2005), SIENA 1.4 MPI 8V FLEX (ANO 2005 ATÉ 2007), STRADA 1.2 MPI 8V (ANO 2003 ATÉ 2005), STRADA 1.3 MPI 8V (ANO 2002 ATÉ 2005), STRADA 1.4 MPI 8V FLEX (ANO 2005 ATÉ 2006), UNO 1.0 MPI (ANO 2004 ATÉ 2006), UNO 1.0 MPI FLEX (2005 ATÉ 2008), UNO FURGONETA 1.3 MP (ANO 2004), UNO MILLE ECONOMY 1.0 (ANO 2009)

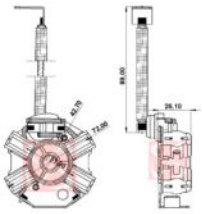


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-047-24V	BOSCH - WAPSA		2004336092,2004336111,6033AD0384, 6033AD6004

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001330003, 0001330004, 0001330007, 0001330008, 0001330011, 0001330012, 0001330013, 0001330014, 0001330017, 0001330018, 0001330020, 0001330048, 0001330050, 0001330057, 0001330060, 0001330065, 0001330066, 0001330068, 0001330069, 0001330070, 0001330072, 0001330502, 0001330510, 0001330511, 0001330512, 000133AF11, 000133E707, 000133F408, 000133F412, 000133F708, 000133F714, 000134F204, 000134F704, 180115	8,9 x 31,7 x 21,9

APLICAÇÕES

DIVERSAS SCANIA V8

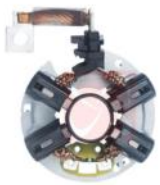
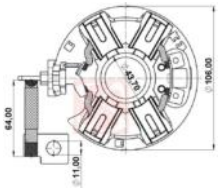


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-054-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
F002G70300, RE557904, RF78M45	6,0 x 18,0 x 15,5

APLICAÇÕES

DIVERSAS AUDI, BMW, FORD, JOHNDEERE, MERCEDES-BENZ, VOLKSWAGEN

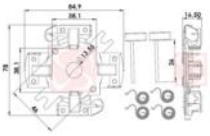



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-055-24V	BOSCH - WAPSA	OSGR	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001330511, 0001330512, 423-9049, 4369104	8,9 x 31,7 x 21,9

APLICAÇÕES

CATERPILLAR 120M, 12M, ESCAVADORA, MOTONIVELADORA

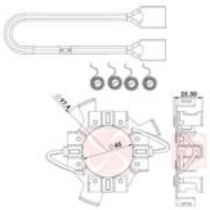


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-101-12V	BOSCH - WAPSA	EF	F000AL1459,9001082518,9001082239, 2004336013

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001211219, 9000082009, 9000082021, 9000082023, 9000082024, 9000082025, 9000082028, 9000082030, 9000082031, 9000082032, 9000082033, 9000082034, 9000082035, 9000082039, 9000082040, 9000082041, 9000082042, 9000082043, 9000082045, 9000082046, 9000082047, 9000082048, 9000082049, 9000082050, 9000082051, 9000082053, 9000082054, 9000082055, 9000082058, 9000082059, 9000082061, 9000082062, 9000082063, 9000082064, 9000082065, 9000082066, 9000082069, 9000082070, 9000082072, 9000082073, 9000082074, 9000082076, 9000082077, 9000082078, 9000082079, 9000082081, 9000082082, 9000082083, 9000AL0301, F000AL0306, F000AL0329	7,0 x 10,0 x 18,0

APLICAÇÕES

AGRALE (CAMINHÕES) 1100 TX, 8500 TDX **AGRALE DEUTZ** MOTOR M70, MOTOR M790, MOTOR M80, MOTOR M85, MOTOR M90, MOTOR M93 ID **FIAT** 147, 147 1050, 147 1300, 147 CITY, 147 EUROPA, 147 FIORINO, 147 GLS, 147 OGGI, 147 PANORAMA, 147 PICK-UP, 147 RALLY, 147 SPAZIO, 147 SPAZIO RACING, 147 SPAZIO TR, DUNA 60, DUNA 60 WEEKEND, DUNA 70, DUNA 70 WEEKEND, ELBA 1.3, ELBA 1.5, ELBA 1.6, FIORINO 1.5, FIORINO 1.6, FIORINO FURGÃO 1.0, FIORINO FURGÃO 1.3 SPI, FIORINO FURGÃO 1.5 SPI, FIORINO PICK-UP 1.0, FIORINO PICK-UP 1.3, FIORINO PICK-UP 1.5 OGGI 1300, PANORAMA 1300, PRÊMIO 1.5, PRÊMIO 1.5 SPI, PRÊMIO 1.6, SPAZIO 1.3, TEMPRA 2.0 MPI 16V, TEMPRA 2.0 SPI 8V, UNO 1.0, UNO 1.1, UNO 1.1 BRIO, UNO 1.5, UNO 1.6, UNO 1.6 MPI, UNO 1050, UNO 1300, UNO MILLE, UNO MILLE 1.0, UNO MILLE 1.5 SPI, UNO MILLE ELETRONIC, UNO MILLE ELX, UNO MILLE EP **FIAT (CAMINHÕES)** 120, 140, 80 **FORD** BELINA II 1.6, BELINA II 1.8 EU, BELINA II 1.8 UD, CORCEL II 1.6, DEL REY 1.6, DEL REY 1.8, DEL REY 1.8 EU, DEL REY 1.8 UD, ESCORT 1.3, ESCORT 1.6, ESCORT 1.8, ESCORT GHIA, ESCORT GUARUJÁ AP 1.8, ESCORT XR3, PAMPA 1.6, PAMPA 1.6 4X4, PAMPA 1.6 AP, PAMPA 1.8, PAMPA 1.8I, ROYALE 1.8, ROYALE 1.8I AP, ROYALE 2.0, ROYALE 2.0I AP, VERONA 1.8, VERONA 1.8 AP, VERSAILLES 1.8, VERSAILLES 1.8I AP, VERSAILLES 2.0, VERSAILLES 2.0I AP **GM** CHEVETTE 1.0, CHEVETTE 1.4, CHEVETTE 1.6, CHEVETTE 1.6S, CHEVETTE HATCH 1.4, CHEVETTE HATCH 1.6, CHEVY 500 1.6, CHEVY 500 1.6 S, MARAJÓ 1.4, MARAJÓ 1.6, MARAJÓ 1.6 S **GURGEL** BR800, CARAJÁS 1.8, SUPERMINI, TOCANTINS 1.6 L, TOCANTINS 1.6 TR **LADA** NIVA 1.5, NIVA 1.6 **MOTOR TIETÊ** RD 900, RD 900L, RD 950, RD 950L **VOLKSWAGEN** APOLLO 1.8, APOLLO 1.8 GL, APOLLO 1.8 GLS AP, BRASILIA 1.3, BRASÍLIA 1.6, FOX 302, FOX 307, FOX 309, FUSCA 1.6, FUSCA 1300, FUSCA 1500, FUSCA 1600, GOL 1.0, GOL 1.6, GOL 1.6 AP, GOL 1.8, GOL G2 1.0I, GOL G2 1.8I, KARMANN GHIA 1600, KOMBI 1.3, KOMBI 1.5, KOMBI 1.6, PARATI 1.6, PARATI 1.6 AP, PASSAT 1.5, PASSAT 1.6, PASSAT 1.8, QUANTUM 1.8, QUANTUM 2.0, QUANTUM 2.0I, SANTANA 1.8, SANTANA 1.8I, SANTANA 2.0, SANTANA 2.0I, SAVEIRO 1.6, SAVEIRO 1.6 AP, VARIANT 1600, VARIANT G2 1600, VOYAGE 1.5, VOYAGE 1.6, VOYAGE 1.6 AP **YANMAR** MICROTRATOR TC11, MICROTRATOR TC11 SUPER **YANMAR (MOTORES)** MOTOR BT22, MOTOR BT33



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-102-12V	BOSCH - WAPSA	MPB	9001453023,246007

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000453020, 9000453033, 9000453034, 9000453041, 9000453044, 9000453046, 9000453047, 9000453050, 9000453053, 9000453054, 9000453060, 9000453061, 9000453027	8,8 x 19,1 x 22,0

APLICAÇÕES

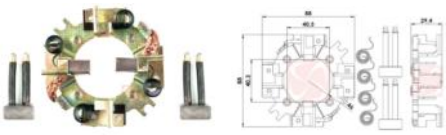
CASE PÁ CARREGADEIRA W7 COM MOTOR PERKINS 6 CIL, RETROESCAVADEIRA 580 CK COM MOTOR PERKINS 4 CIL, RETROESCAVADEIRA 580 E COM MOTOR PERKINS 4 CIL **CBT** TRATOR 1090 COM MOTOR PERKINS 6 CIL, TRATOR 1100 COM MOTOR PERKINS 6 CIL **CHEVROLET-GM** CAMINHÕES A60, CAMINHÕES A70, CAMINHÕES A80, CAMINHÕES A90, CAMINHÕES C/ PERKINS 4CIL, CAMINHÕES C/ PERKINS 6CIL **CHRYSLER (CAMINHÕES)** P-700 COM MOTOR PERKINS 6 CIL **CLARK** EMPILHADEIRA C300 HY40, EMPILHADEIRA C300 HY50, EMPILHADEIRA C300 HY60, TRATOR MICHIGAN 75A **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A **FIAT-ALLIS** RETROESCAVADEIRA FB80.2 GENESIS 5.0 **FORD (CAMINHÕES)** CARGO 1113 D299-6, CARGO 1313 D229-6, F11000 COM MOTOR PERKINS 6 CIL, F11000 D229-6, F12000 COM MOTOR PERKINS 6 CIL, F12000 D229-6, F13000 COM MOTOR PERKINS 6 CIL, F13000 D229-6, F13000 TD229-6, F19000 D229-6, F2000 D229-4, F21000 D229-6, F22000 D229-6, F22000 TD229-6, F4000 D226-4, F4000 FTO 4.4, F4000 TC 4.4, F7000 D229-6 **FORD (TRATOR)** 4610, 5610, 6610, 6610 TR4, 7610 **HYSTER** EMPILAHDEIRA 4236 COM MOTOR PERKINS 4 CIL, EMPILHADEIRA 4203 COM MOTOR PERKINS 4 CIL **MASSEY FERGUSON (TRATOR)** 95L COM MOTOR PERKINS 6 CIL, 95X COM MOTOR PERKINS 6 CIL, ESTEIRAS MF3366, ESTEIRAS MF400, MF295/4, MF296, MF296/4 **NEW HOLLAND (TRATOR)** 4630 OHV 3201, 5030 GENESIS, 5630 GENESIS, 6630 GENESIS, 7630 GENESIS, 7810 GENESIS, 7830 GENESIS, 8030 GENESIS **VOLKSWAGEN (CAMINHÕES)** 11160, 12140 H D229-6, 22160, 7110 S TD229 EC4, 7110 S TD229-4, 790 S D229-4

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-103-12V	BOSCH - WAPSA	MPB	9001453024,246005

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
224030;, 9000453013, 9000453048	8,8 x 19,0 x 18,0

APLICAÇÕES

AGRALE-DEUTZ TRATOR 400 C/ MOTOR AGRALE M790, TRATOR 4000 C/ MOTOR AGRALE M790, TRATOR 4200 C/ MOTOR AGRALE M790, TRATOR 440 C/ MOTOR AGRALE M790 **FORD** MAVERICK V8 302

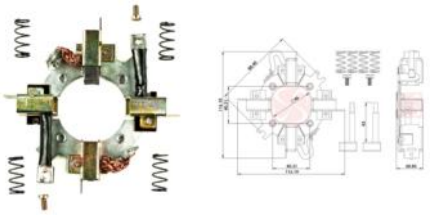


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-104-12V	BOSCH - WAPSA	JF	9001083362,9001083392

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000083027, 9000083028, 9000083029, 9000083031, 9000083035, 9000083036, 9000083038, 9000083053, 9000083055, 9000083056, 9000083058, 9000083059, 9000083061	10,0 x 22,0 x 23,5

APLICAÇÕES

AGRALE DEUTZ 5000D, 6150, 7000D, 7500TD, BX 100, BX 4.100, BX 4.110, BX 4.130, BX 4.150, BX 4.60, BX 4.90, BX 60, BX 90, BX130 **CASE** 80 CR, 80 P, W18, W20, W20B **CBT** 1065, 1105, 2080, 2105, 2105CBT: 8000, 8000, 8060 4X4, 8240, 8260 4X4, 8440 **CHEVROLET-GM** D20, D20 PLUS, D6000 **FIAT ALLIS** FB80 **JOHN DEERE** JD 50 D **KOMATSU** D50A, D90E **MASSEY FERGUSON** MF 275, MF 275-4, MF 283, MF 290, MF 290-4, MF 292, MF 295, MF 295/4, MF 296, MF 296/4 TURBO, MF 3640, MF 5650, MF 6845, MF 6855, MF 6865, MF1630 **MAXION** IDEAL 9070, IDEAL 9075, IDEAL 9090, IDEAL 9110, IDEAL 9130, IDEAL 9150, IDEAL 9170 **MERCEDES-BENZ** L/2216, L1013, L1111, L1113, L1313, L1313A, L1316, L1316A, L1516, L2013, L2016, L2213, L2215, L608D, L610, O 362 **MWM** SÉRIE D, SÉRIE TD **SLC** 6200, 6200 TURBO, 7200 TURBO, 7700 TURBO, OF1113, OH1112, OM 366 A, OM 366 C, OM 366 LA, SÉRIE 7000, SÉRIE 7700 TURBO, SÉRIE 9T-917, W18, W20, W20B **VALMET** 110ID, 118, 118-4, 128, 128 4X4, 138 TURBO, 138-4 TURBO, 148 4X4, 148 TURBO, 65ID, 68, 68 CAFEEIRO, 68 ESPECIAL, 78 VE, 78S, 88, 880, 880 4X4, 980 4X4 TURBO **YANMAR** 1050, BT, BTD D1050.D 4X4



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-105-12V	BOSCH - WAPSA	JF	9001083569

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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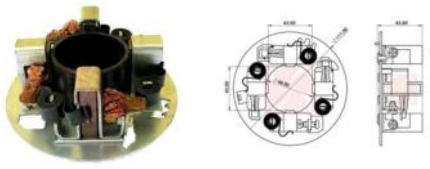
APLICAÇÕES

AGRALE DEUTZ 100S, 120S, 1800 D, 6.150, 7000 DX, 7000 TDX, 80S, 8500 TDX, AX 4100, AX 4190, BX, BX 4.60, BX 60, MA 7.5 T, SÉRIES 5000, SÉRIES 6000, SÉRIES 7000, TX 1600 **CASE** 580H, 580L 80 CR, 80 P, SH 4X2, SH 4X4, W 18, W 20 E, W20, W20B **CBT** 1065, 1105, 2080, 2105, 8060 4X4, 8240, 8260 4X4, 8440 **CHEVROLET-GM** D 6000, D20 **FIAT** FB 80 **FORD** CARGO WORLD TRUCK C, F 4000 **JOHN DEERE** JD 50 D **KOMATSU** D30E, D50A, RETRO ESCAVADEIRA DE ESTEIRAS **MASSEY FERGUSON** MF 265, MF 296, MF 296/4, MF 296/5, MF 6865, MF1630, MF235, MF295, MF295/4, MF3640, MF5650, MF6845, MF6855 **MAXION** IDEAL 9070, IDEAL 9075, IDEAL 9090, IDEAL 9110, IDEAL 9130, IDEAL 9150, IDELA 9170 **MERCEDES-BENZ** 917, O, OF, OF1113, OH, OH1113, OM, OM 366 A, OM 366 C, OM 366 LA, SÉRIE 10T, SÉRIE 11TL, SÉRIE 12T, SÉRIE 12TL, SÉRIE 13TL, SÉRIE 14TLSÉRIE 15TL, SÉRIE 16TL, SÉRIE 17T, SÉRIE 20TL, SÉRIE 22TL, SÉRIE 23TL, SÉRIE 24T, SÉRIE 6TL, SÉRIE 7T, SÉRIE 7TL, SÉRIE 8TL, SÉRIE 9T **MÜLLER** ROLO COMPACTADOR VAP55, TRATOR TM12, TRATOR TM14, VIBRO RT 62, VIBRO RT 82 **MWM** D 229-3, D 229-4, D 229-5, D 229-6 TBD, TD, TD 229-6 **NEW HOLLAND** 8040, 8055, TC 55, TC 57, TC59, TM 120, TRATOR GAMALTA **PERKINS** TRATORES **PUMA** 7900, 7900 T, 914 **SLC** 7700 TURBO **TOYOTA** BANDEIRANTE **VALMET** SÉRIE 110, SÉRIE 118, SÉRIE 1180, SÉRIE 1180S, SÉRIE 128, SÉRIE 1280, SÉRIE 138, SÉRIE 1380S, SÉRIE 148, SÉRIE 1580, SÉRIE 1680S, SÉRIE 1780, SÉRIE 1880S, SÉRIE 62, SÉRIE 65, SÉRIE 68, SÉRIE 685, SÉRIE 78, SÉRIE 785, SÉRIE 88, SÉRIE 880, SÉRIE 885, SÉRIE 885S, SÉRIE 980, SÉRIE 985, SÉRIE 985S **VOLKSWAGEN** SÉRIE 12 T, SÉRIE 13 T, SÉRIE 14 T, SÉRIE 15 T, SÉRIE 16 T, SÉRIE 16.170 BT, SÉRIE 16.200, SÉRIE 17 T, SÉRIE 7 T, SÉRIE 8 T, SÉRIE 9 T **YANMAR** TRATOR 1050, TRATOR 1050.D, TRATOR 1050.D 4X4, TRATOR BT, TRATOR BTD

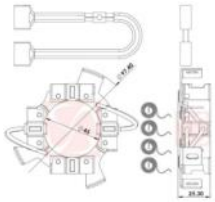


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-106-12V	BOSCH - WAPSA	JE	9001453640

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001370001, 87HLL11001AA, 9000453029, 9000453067	9,0 x 36,0 x 18,0

APLICAÇÕES

CASE PÁ CARREGADEIRA W36 B TURBO COM MOTOR 6 CT **CUMMINS** SÉRIE CT COM MOTOR 6 CT 8.3 **FORD (CAMINHÕES)** CARGO 2324, CARGO 3224 ATAC, CARGO C 4030, F7000 **KENWORTH** 13.210 COM MOTOR 6 CT, 22.210 COM MOTOR 6 CT **MERCEDES-BENZ (CAMINHÕES)** 1625 L, 1825 LG, 2325 L, 2325 LB, 2325 LK **PETERBILT** 13.210 COM MOTOR 6 CT 8.3 LITROS, 22.210 COM MOTOR 6 CT 8.3 LITROS, 23.210 COM MOTOR 6 CT 8.3 LITROS **VOLKSWAGEN** 16.210 COM MOTOR 6 CT, 16.210 COM MOTOR DE 6 TC

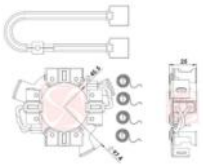


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-110-12V	BOSCH - WAPSA	MPB	9001453025

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000453016, 9000453038, 9000453043, 9000453045, 9000453049, 9000453051, 9000453052	8,8 x 19,0 x 13,0

APLICAÇÕES

CASE RETROESCAVADEIRA 580 H **CBT (TRATOR)** 1000 PERKINS 4 CIL. **HYSTER** EMPILHADEIRA COM MOTOR GM2500 4 CIL, EMPILHADEIRA COM MOTOR GM4100 6 CIL **MASSEY FERGUSON** COLHEITADEIRA MF220 **MASSEY FERGUSON (TRATOR)** MF235, MF250, MF265, MF275, MF283, MF285, MF290, MF50X, MF5300, MF5310, MF55X, MF65R, MF65X, MF85X

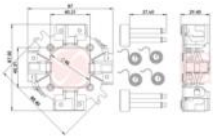


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-111-12V	BOSCH - WAPSA	MPB	9001453023,246007

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000453020, 9000453027, 9000453033, 9000453034, 9000453041, 9000453044, 9000453046, 9000453047, 9000453050, 9000453053, 9000453054, 9000453060, 9000453061	8,8 x 19,1 x 17,0

APLICAÇÕES

OBSERVAÇÕES Escovas com o comprimento menor que o porta-escovas A-102-12V, para aplicação em coletores com diâmetro maior **CASE** PÁ CARREGADEIRA W7 COM MOTOR PERKINS 6 CIL, RETORESCAVADEIRA 580 CK COM MOTOR PERKINS 4 CIL, RETROESCAVADEIRA 580 E COM MOTOR PERKINS 4 CIL **CBT** TRATOR 1090 COM MOTOR PERKINS 6 CIL, TRATOR 1100 COM MOTOR PERKINS 6 CIL **CLARK** EMPILHADEIRA C300 HY40, EMPILHADEIRA C300 HY50, EMPILHADEIRA C300 HY60, TRATOR MICHIGAN 75A **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A **FIAT-ALLIS** RETROESCAVADEIRA FB80.2 GENESIS 5.0 **FORD (CAMINHÕES)** CARGO 1113 D299-6, CARGO 1313 D229-6 F11000 COM MOTOR PERKINS 6 CIL, F11000 D229-6, F12000 COM MOTOR PERKINS 6 CIL, F12000 D229-6, F13000 COM MOTOR PERKINS 6 CIL, F13000 D229-6, F13000 TD229-6, F19000 D229-6, F2000 D229-4, F21000 D229-6, F22000 D229-6, F22000 TD229-6, F4000 D226-4, F4000 FTO 4.4, F4000 TC 4.4, F7000 D229-6 **FORD (TRATOR)** 4610, 5610, 6610, 6610 TR4, 7610 **GM (CAMINHÕES)** A60, A70 A80, A90 **HYSTER** EMPILAHDEIRA 4236 COM MOTOR PERKINS 4 CIL, EMPILHADEIRA 4203 COM MOTOR PERKINS 4 CIL **MASSEY FERGUSON** TRATOR 95I COM MOTOR PERKINS 6 CIL, TRATOR 95X COM MOTOR PERKINS 6 CIL, TRATOR DE ESTEIRAS MF3366, TRATOR DE ESTEIRAS MF400, TRATOR MF295/4, TRATOR MF296, TRATOR MF296/4 **NEW HOLLAND** TRATOR 4630 OHV 3201, TRATOR 5030 GENESIS, TRATOR 5630 GENESIS, TRATOR 6630 GENESIS, TRATOR 7630 GENESIS, TRATOR 7810 GENESIS, TRATOR 7830 GENESIS, TRATOR 8030 GENESIS**VOLKSWAGEN (CAMINHÕES)** 11160, 12140 H D229-6, 22160, 7110 S TD229 EC4, 7110 S TD229-4, 790 S D229-4

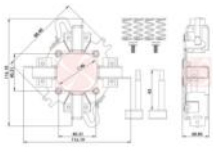


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-112-24V	BOSCH - WAPSA	JF	9001083392

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000083043, 9000083045, 9000083046, 9000083050, 9000083052, 9000083063, 9000083064, 9000083065, 9000083066, 9000083068, 9000083073, 9000083076, 9000453075, 9000453079, 9000453080, 9000453086, 9000453088	10,0 x 22,0 x 23,5

APLICAÇÕES

CASE ESCAVADEIRA HIDRÁULICA 888 BCKE 6BT, ESCAVADEIRA HIDRÁULICA 888 CKE 6BT, PÁ CARREGADEIRA W18 D OM366, PÁ CARREGADEIRA W18 E OM366, PÁ CARREGADEIRA W20 D OM366 A, PÁ CARREGADEIRA W20 E OM366 A **EL DETALLE** ÔNIBUS OA101 BF6L 913C **FIAT** CAMINHÕES 120 8360, CAMINHÕES 130 CP3, CAMINHÕES 140 8360, CAMINHÕES 80 8340, CAMINHÕES 80 S 8340.05 **FIAT-ALLIS** ESCAVADEIRA FH200 TD229 EC.06, MOTONIVELADORA FG140 6CT 8.3, PÁ CARREGADEIRA FR10 B D229-6, PÁ CARREGADEIRA FR12 B D229-6, PÁ CARREGADEIRA FR120.2 6CT 8.3, TRATOR DE ESTEIRAS AD7 B D229-6, TRATOR DE ESTEIRAS FA120 TD229 EC.09, TRATOR DE ESTEIRAS FD9 TD229-6 EC.06 **FORD** CAMINHÕES CARGO 1618 6.10, ÔNIBUS B1618 6.10T, ÔNIBUS B1621 6.10T **IVECO** CAMINHÕES EUROCARGO 120 E15, CAMINHÕES EUROCARGO 140 E18, CAMINHÕES EUROCARGO 150 E18, CAMINHÕES EUROCARGO 150 E20, CAMINHÕES EUROCARGO 150 E20T, CAMINHÕES EUROCARGO 160 E21, CAMINHÕES EUROCARGO 160 E23, CAMINHÕES EUROCARGO 160 E23T **KOMATSU** MOTONIVELADORA A835 (CUMMINS 6BT 5.9), MOTONIVELADORA GD523A (CUMMINS 6BT 5.9), MOTONIVELADORA GD523R (CUMMINS 6BT 5.9), RETROESCAVADEIRA PC150 (CUMMINS 6BT 5.9), RETROESCAVADEIRA PC150 SE (CUMMINS 6BT 5.9) **MERCEDES-BENZ** CAMINHÕES 1214 L OM366, CAMINHÕES 1217 L OM366 A, CAMINHÕES 1218 L OM366 A, CAMINHÕES 1218 L OM366 A EURO L, CAMINHÕES 1317 L OM352 A, CAMINHÕES 1414 L OM366, CAMINHÕES 1418 L OM366 A, CAMINHÕES 1418 L OM366 A EURO L, CAMINHÕES 1517 L OM352 A, CAMINHÕES 1614 L OM366, CAMINHÕES 1618 L OM366 A, CAMINHÕES 1621 L OM366 A, CAMINHÕES 917, ÔNIBUS O371 U OM366, ÔNIBUS O371 UL OM366 LA, ÔNIBUS O371 UL OM366 LA EURO L, ÔNIBUS OF1115 OM366, ÔNIBUS OF1315 OM366, ÔNIBUS OF1318 OM366 A, ÔNIBUS OF1618, ÔNIBUS OF1620 OM366 LA, ÔNIBUS OF1721 OM366 LA, ÔNIBUS OH1315 G OM366, ÔNIBUS OH1318 OM366 A, ÔNIBUS OH1420, ÔNIBUS OH1421 L, ÔNIBUS OH1621 LE, ÔNIBUS OH1621 LG OM366, ÔNIBUS OH1623 LG OM366, ÔNIBUS OHL1620, ÔNIBUS OHL1621 **VOLKSWAGEN** CAMINHÕES 16180 CO 6.10, CAMINHÕES 16210 CO 6.10 TCA, CAMINHÕES 17210 OD 6.10 TCA, CAMINHÕES 17240 OT 6.10 TCA, CAMINHÕES L80 4.10 TCA, ÔNIBUS B16180 6.10 **YANMAR** MOTOR ESTACIONÁRIO, MOTOR MARÍTIMO



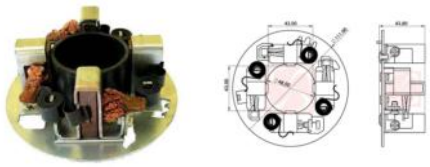
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-113-24V	BOSCH - WAPSA	JF	9001083596

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000083043, 9000083054, 9000083063, 9000083064, 9000083065, 9000083066, 9000083068, 9000083073, 9000083076, 9000453075, 9000453079, 9000453086, 9000453088, F000AL0700	10,0 x 22,2 x 19,0

APLICAÇÕES

CASE EL DETALLE (ÔNIBUS), ESCAVADEIRA HIDRÁULICA 888 BCKE 6BT, ESCAVADEIRA HIDRÁULICA 888 CKE 6BT, OA101 BF6L 913C, PÁ CARREGADEIRA W18 D OM366, PÁ CARREGADEIRA W18 E OM366, PÁ CARREGADEIRA W20 D OM366 A, PÁ CARREGADEIRA W20 E OM366 A **FIAT** CAMINHÕES 120 8360, CAMINHÕES 130 CP3, CAMINHÕES 140 8360, CAMINHÕES 80 8340, CAMINHÕES 80 S

8340.05 **FIAT-ALLIS** ESCAVADEIRA FH200 TD229 EC.06, MOTONIVELADORA FG140 6CT 8.3, PÁ CARREGADEIRA FR10 B D229-6, PÁ CARREGADEIRA FR12 B D229-6, PÁ CARREGADEIRA FR120.2 6CT 8.3, TRATOR DE ESTEIRAS AD7 B D229-6, TRATOR DE ESTEIRAS FA120 TD229 EC.09, TRATOR DE ESTEIRAS FD9 TD229-6 EC.06 **FORD** CAMINHÕES CARGO 1618 6.10, ÔNIBUS B1618 6.10T, ÔNIBUS B1621 6.10T **IVECO** EUROCARGO 120 E15, EUROCARGO 140 E18, EUROCARGO 150 E18, EUROCARGO 150 E20, EUROCARGO 150 E20T, EUROCARGO 160 E21, EUROCARGO 160 E23, EUROCARGO 160 E23T **KOMATSU** MOTONIVELADORA A835 (CUMMINS 6BT 5.9), MOTONIVELADORA GD523A (CUMMINS 6BT 5.9), MOTONIVELADORA GD523R (CUMMINS 6BT 5.9), RETROESCAVADEIRA PC150 (CUMMINS 6BT 5.9), RETROESCAVADEIRA PC150 SE (CUMMINS 6BT 5.9) **MERCEDES-BENZ** CAMINHÕES 1214 L OM366, CAMINHÕES 1217 L OM366 A, CAMINHÕES 1218 L OM366 A, CAMINHÕES 1218 L OM366 A EURO L, CAMINHÕES 1317 L OM352 A, CAMINHÕES 1414 L OM366, CAMINHÕES 1418 L OM366 A, CAMINHÕES 1418 L OM366 A EURO L, CAMINHÕES 1517 L OM352 A, CAMINHÕES 1614 L OM366, CAMINHÕES 1618 L OM366 A, CAMINHÕES 1621 L OM366 A, CAMINHÕES 917, ÔNIBUS O371 U OM366, ÔNIBUS O371 UL OM366 LA, ÔNIBUS O371 UL OM366 LA EURO L, ÔNIBUS OF1115 OM366, ÔNIBUS OF1315 OM366, ÔNIBUS OF1318 OM366 A, ÔNIBUS OF1618, ÔNIBUS OF1620 OM366 LA, ÔNIBUS OF1721 OM366 LA, ÔNIBUS OH1315 G OM366, ÔNIBUS OH1318 OM366 A, ÔNIBUS OH1420, ÔNIBUS OH1421 L, ÔNIBUS OH1621 LE, ÔNIBUS OH1621 LG OM366, ÔNIBUS OH1623 LG OM366, ÔNIBUS OHL1620, ÔNIBUS OHL1621 **VOLKSWAGEN** CAMINHÕES 16180 CO 6.10, CAMINHÕES 16210 CO 6.10 TCA, CAMINHÕES 17210 OD 6.10 TCA, CAMINHÕES 17240 OT 6.10 TCA, CAMINHÕES L80 4.10 TCA, ÔNIBUS B16180 6.10 **YANMAR** MOTOR ESTACIONÁRIO, MOTOR MARÍTIMO

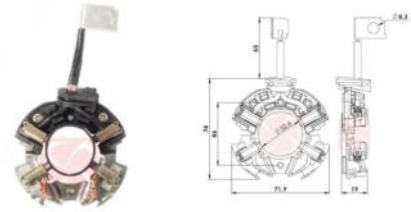


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-114-24V	BOSCH - WAPSA	JE	9001453625

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000453068, F000AL0801	9,0 x 36,0 x 18,0

APLICAÇÕES

DECAROLI 714 COM MOTOR OM 449 A, 784 T1/2 COM MOTOR OM 447 LA, NG 4 T1 COM MOTOR OM 447 LA **MERCEDES-BENZ (CAMINHÕES)** 1625 LS, 1630 LS, 1825 LS, 1935 LS, 1938 LS, 1941 LS 2325 L, 2635 L, 2638 LS **MERCEDES-BENZ (ÔNIBUS)** O400 R, O400 RS, O400 RSD, O400 RSL, O400 UP, O400 UPA, OH1625 L, OH1635 L, OHL1624 G, OHL1630, OHL1635

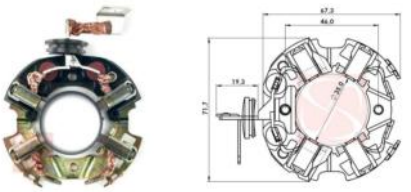


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-115-12V	BOSCH - WAPSA	DA/DM	F000AL1013,F000AL1054,9001081092

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000081010, F000AL0306, F000AL0313, F000AL0401, F000AL0414	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base maior que DW´s (A-117 / 118 / 119). **CHEVROLET-GM** CORSA 1.6EFI **CITROEN** BERLINGO 1.8 I, EVASION 2.0 I TURBO **FIAT** DOBLO 1.3 FIRE, DUCATO 10, DUCATO 13, DUCATO 14, DUCATO 18, PALIO 1.0, PÁLIO 1.0 8V, PALIO 1.3 MPI 16V, PALIO WEEKEND, PÁLIO WEEKEND 1.0 8V, SIENA, STRADA, STRADA 1.0 8V, UNO 1.0 SPI MILLE **FORD** ESCORT 1.3, ESCORT 1.4 EXPRESS 55, ESCORT 1.4 EXPRESS 75, ESCORT CABRIO, ESCORT TURNIER, KA 1.3 I, ORION 1.6I 16V **GURGEL** BR 800, TOCANTINS L, TOCANTINS TR **MERCEDES-BENZ** CLASSE A 160 **OPEL** CALIBRA 2.0 I TURBO **PEUGEOT** 205, 306, 405, 605, PARTNER **TRANSPORTER** 1600, VARIANT, VARIANT II **VOLKSWAGEN** FUSCA 1300, FUSCA 1500, FUSCA 1600, GOL 1.3, GOL 16V TURBO GOL II, GOL III 1.0MI, KOMBI 1.4 TOTAL FLEX, KOMBI 1.6 MI, PARATI 16V TURBO, PARATI II, PARATI III 1.0MI **VOLVO** S40, V40

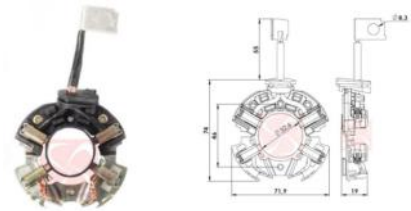


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-115-B-12V	BOSCH - WAPSA	DA/DM	9001081092,F000AL1013,F000AL1054, F000AL1459,F000AL1919

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001112003, 0001112038, 9000081010, F000AL0306, F000AL0313, F000AL0329, F000AL0401, F000AL0402, F000AL0414, F000AL0415	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base maior que DW´s (A-117 / 118 / 119).Porta-escovas com terminal saída para o lado esquerdo. **GM** CORSA 1.6 EFI **GURGEL** BR800, TOCANTINS L, TOCANTINS TR **SEAT** CORDOBA 1.6, CORDOBA 1.8, IBIZA 1.6 **TRANSPORTER** 1600, VARIANT **VOLKSWAGEN** CROSSFOX 1.6 TOTAL FLEX, FOX 1.0, FOX 1.0 TOTAL FLEX, FOX 1.6, FOX 1.6 MOTION TOTAL FLEX, FOX 1.6 TOTAL FLEX, FUSCA 1300, FUSCA 1500, FUSCA 1600, GOL 1.3, GOL II 1.0 MI, GOL II 1.0 MI 16V, GOL II SPECIAL 1.0 MI 8V, GOL III 1.0 MI, GOL III 1.0 MI 16V, GOL III 1.0 MI 16V TURBO, GOL III 1.0 MI TOTAL FLEX, GOL IV 1.0, GOL IV 1.0 ECOMOTION, GOL IV 1.0 TOTAL FLEX, GOL V 1.0 TOTAL FLEX, GOL V 1.6 TOTAL FLEX, GOL VI 1.0 TOTAL FLEX, GOL VI 1.6 MOTION TOTAL FLEX, GOL VI 1.6 TOTAL FLEX, GOLF III 1.8, GOLF IV 1.6, GOLF IV 1.6 TOTAL FLEX, KOMBI 1.4 TOTAL FLEX, KOMBI 1.6 MI, PARATI II 1.0 MI 16V, PARATI III 1.0 16V TURBO, PARATI III 1.0 MI 16V, POLO 1.6, POLO 1.6 TOTAL FLEX, POLO SEDAN 1.6, POLO SEDAN 1.6 TOTAL FLEX, SAVEIRO V 1.6 TOTAL FLEX, SPACECROSS 1.6 TOTAL FLEX, SPACEFOX 1.6 TOTAL FLEX, TRANSPORTER 1600 UG, TRANSPORTER BG, VARIANT 1600 VARIANT II 1600, VOYAGE 1.0 FLEX, VOYAGE 1.0 TOTAL FLEX, VOYAGE 1.6 FLEX, VOYAGE 1.6 MOTION FLEX, VOYAGE 1.6 TOTAL FLEX

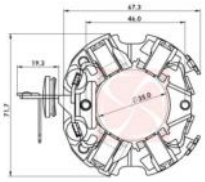


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-116-12V	BOSCH - WAPSA	DM	1004336809;F000AL1055;F000AL1283

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107027, 0001107028, 0001107044, 0001107059, 0001107063, 0001107076, 0001107082, 0001113009, 9000081003, F000AL0003, F000AL0301, F000AL0302, F000AL0304, F000AL0309, F000AL0310, F000AL0314, F000AL0400	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base maior que DW´s (A-117 / 118 / 119). **CHEVROLET-GM** CELTA, CORSA **CITROËN** BERLINGO 1.8I, BREACK, COUPE 2.0 16V, EVASION 2.0I TURBO, XANTIA 1.6, XANTIA 1.8, XANTIA 2.0I, XM 2.0I 16V TURBO, XSARA 1.8I 16V, ZX 1.8I **FIAT** DOBLO EX FIRE 1.3I, DUCATO 10, DUCATO 13, DUCATO 14, DUCATO 18, PALIO 1.0, PÁLIO 1.0 8V, PALIO 1.3 MPI 16V, PALIO WEEKEND, PÁLIO WEEKEND 1.0 8V, SIENA, STRADA, STRADA 1.0 8V, ULYSSE, UNO MILLE 1.0 SPI **FORD** CABRIO, ESCORT, ESCORT 1.3, EXPRESS 55/75, KA 1.3I, ORION 1.6I 16V, TURNIER 1.4 **MERCEDES-BENZ** CLASSE A 160 **OPEL** CALIBRA 2.0I TURBO **PEUGEOT** 205, 306, 405, 605, PARTNER **VOLKSWAGEN** GOL, PARATI, SAVEIRO, VOYAGE **VOLVO** S40, V40

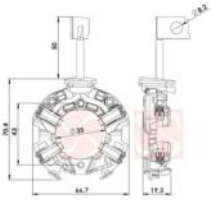


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-116-B-12V	BOSCH - WAPSA	DM	1004336809,F000AL1054, F000AL1055F000AL1283,F000AL1396,

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107027, 0001107028, 0001107044, 0001107059, 0001107063, 0001107076, 0001107082, 0001112033, 0001113009, 001112041, 5228C2, 5825C2, 77364844, 9000081003, F000AL0003, F000AL0301, F000AL0302, F000AL0304, F000AL0309, F000AL0310, F000AL0314, F000AL0324, F000AL0326, F000AL0328, F000AL0330, F000AL0334, F000AL0400, F000AL0413	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base maior que DW´s (A-117 / 118 / 119).Porta-escovas com terminal saída para o lado direito. **CITROËN** BERLINGO 1.8I, EVASION 2.0I, EVASION 2.0I TURBO, XANTIA 1.6I, XANTIA 1.8I XANTIA 1.8I 16V, XANTIA 1.8I 16V BREAK, XANTIA 1.8I BREAK, XANTIA 2.0I, XANTIA 2.0I 16V, XANTIA 2.0I 16V BREAK, XANTIA 2.0I TURBO, XANTIA 2.0I TURBO BREAK, XM 2.0I, XM 2.0I 16V, XM 2.0I TURBO, XSARA 1.8I, XSARA 1.8I 16V, XSARA 1.8I 16V BREAK, XSARA 1.8I 16V COUPE, XSARA 1.8I BREAK, XSARA 1.8I COUPE, XSARA 2.0I 16V, XSARA 2.0I 16V BREAK, XSARA 2.0I 16V COUPE, ZX 1.8I **FIAT** DUCATO 10 2.0, DUCATO 14 2.0, DUCATO 18 2.0, PALIO 1.0 16V MPI, PALIO 1.0 8V FIRE, PALIO 1.3 16V MPI, PALIO WEEKEND 1.0 16V MPI, PALIO WEEKEND 1.0 8V FIRE, PALIO WEEKEND 1.3 16V MPI, STRADA 1.0 8V FIRE, ULYSSE 1.8, ULYSSE 2.0, ULYSSE 2.0 TURBO **FORD** ESCORT 1.1, ESCORT 1.6I 16V, FIESTA 1.0, FIESTA 1.0I, FIESTA 1.3, FIESTA 1.3I, FIESTA 1.4I FLAIR FUN, KA 1.3I **GM** AGILE 1.4 FLEX, CALIBRA, CELTA 1.0 MPFI, CELTA 1.0 VHC, CELTA 1.0 VHC FLEXPOWER, CELTA 1.0I, CELTA 1.4 MPFI, CLASSIC 1.0 VHC, CORSA 1.0 EFI, CORSA 1.0 MPFI, CORSA 1.0 MPFI 16V, CORSA 1.0 VHC FLEXPOWER, CORSA 1.4 EFI, CORSA 1.6 EFI, CORSA 1.6 EFI SOHC, CORSA 1.6 MPFI, CORSA 1.6 MPFI 16V, CORSA GSI 1.6 SFI 16V, CORSA PICK-UP 1.6 EFI, CORSA PICK-UP 1.6 MPFI, CORSA SEDAN 1.0 MPFI, CORSA SEDAN 1.0 MPFI 16V, CORSA SEDAN 1.0 VHC, CORSA SEDAN 1.0 VHC FLEXPOWER, CORSA SEDAN 1.6 MPFI, CORSA SEDAN 1.6 MPFI 16V, CORSA WAGON 1.0 MPFI, CORSA WAGON 1.0 MPFI 16V, CORSA WAGON 1.6 MPFI, CORSA WAGON 1.6 MPFI 16V, MERIVA 1.4 ECONOFLEX, MONTANA 1.4 ECONOFLEX **MERCEDES-BENZ** CLASSE A 160 **OPEL** CALIBRA 2.0I TURBO **PEUGEOT** 205 1.9I, 306 1.8I, 306 1.8I 16V, 306 1.8I 16V BREAK, 306 1.8I 16V CABRIOLET, 306 1.8I BREAK, 306 1.8I CABRIOLET, 306 2.0I, 306 2.0I 16V CABRIOLET, 405 1.6I, 405 1.8I, 405 2.0I, 605 2.0I 16V, 806 2.0I, 806 2.0I TURBO, PARTNER 1.8I **VOLKSWAGEN** GOL 1.6, GOL II 1.6 MI, GOL II 1.6I, GOL II SPECIAL 1.0 MI 8V, GOL III 1.6 MI, GOL III 1.6 MI TOTAL FLEX, GOL IV 1.6 TOTAL FLEX, PARATI 1.6, PARATI II 1.6 MI, PARATI II 1.6I, PARATI III 1.6 MI, PARATI III 1.6 MI TOTAL FLEX, PARATI IV 1.6 TOTAL FLEX, SAVEIRO 1.6, SAVEIRO 1.6 MI, SAVEIRO II 1.6 MI, SAVEIRO III 1.6 MI, SAVEIRO III 1.6 MI TOTAL FLEX, SAVEIRO IV 1.6 TOTAL FLEX, VOYAGE 1.6 UM **VOLVO** S40 1.8 16V, V40 T4 **YANMAR** MOTOR NS18

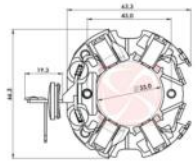


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-117-12V	BOSCH - WAPSA	DW	1004336801,1004336821,1004336827, 1004336951,F000AL1051,F000AL1391

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001106015, 0001107003, 0001107007, 0001107016, 0001107019, 0001107020, 0001107021, 0001107022, 0001107039, 0001107054, 0001107063, 0001107066, 0001107068, 0001107091, 0001108094, 0001121006, 0001121008, 0001121009, 020911023F	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base menor que DM´s (A-115 / 116). **AUDI** A3, COUPE, TT **CITROËN** BERLINGO, EVASION, XANTIA, XM, XSARA **FIAT** BRAVO, BTAVA, DOBLO, DUCATO 10, DUCATO 13, DUCATO 14, DUCATO 18, MAREA, MAREA WEEKEND, PALIO, PALIO WEEKEND, SIENA, STRADA, ULYSSE **FORD** ESCORT, MONDEO **NISSAN** SENTRA **OPEL** CORSA **PEUGEOT** 205, 306, 405 605, 806, PARTNER **SEAT** ALHAMBRA, CITY, CORDOBA, GOLF, IBIZA **SKODA** SUPERB 1.8 T, SUPERB 2.0 **VOLKSWAGEN** BEETLE, GOL, GOLF, PARATI, PASSAT IMPORTADO **VOLVO** S40 1.6 16V, S40 1.8 16V, S40 1.9 T4, S40 2.0 T 16V, V40 1.6 16V, V40 1.8 16V, V40 2.0 16V, V40 2.0 T4

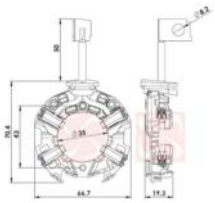


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-117-B-12V	BOSCH - WAPSA	DB/DW	1004336801,1004336821,1004336827, 1004336951,1004336964,F000AL1051, F000AL1391,

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001106011, 0001106015, 0001107003, 0001107007, 0001107016, 0001107019, 0001107020, 0001107021, 0001107022, 0001107023, 0001107030, 0001107039, 0001107049, 0001107054, 0001107062, 0001107063, 0001107066, 0001107068, 0001107091, 0001108094, 0001121006, 0001121007, 0001121008, 0001121009, 0001121016, 0001121017, 0001121018, 0001121019, 0001121023, 020911023F, 9000081001, 9000081002	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base menor que DM´s (A-115 / 116).Porta-escovas com terminal saída para o lado esquerdo. **AUDI** A3, COUPE, TT **CIITROËN** BERLINGO, EVASION, XANTIA, XM, XSARA **FIAT** BRAVA, BRAVO, DOBLO, DUCATO 10, DUCATO 13, DUCATO 14, DUCATO 18, MAREA, MAREA WEEKEND, PALIO, PALIO WEEKEND, SIENA, STRADA, ULYSSE**FORD** ESCORT, MONDEO **GM** CORSA 1.0I **NISSAN** SENTRA **OPEL** CORSA **PEUGEOT** 205, 306, 405, 605, 806, PARTNER **SEAT** ALHAMBRA, CITY, CORDOBA, GOLF, IBIZA **SKODA** SUPERB 1.8 T, SUPERB 2.0 **VOLKSWAGEN** BEETLE, GOL, GOLF, PARATI, PASSAT IMPORTADO **VOLVO** S40 1.6 16V, S40 1.8 16V, S40 1.9 T4, S40 2.0 T 16V, V40 1.6 16V, V40 1.8 16V, V40 2.0 16V, V40 2.0 T4

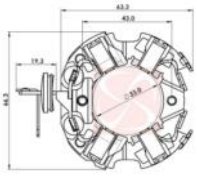


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-118-12V	BOSCH - WAPSA	DW	F000AL1052,F000AL1053

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107015, 9000081004, 9000081005, 9000081006, 9000081007, 9000081008, F000AL0102, F000AL0104, F000AL0502	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base menor que DM´s (A-115 / 116). **CHEVROLET-GM** ASTRA, ASTRA SEDAN, BLAZER, IPANEMA, KADETT, OMEGA, OMEGA SUPREMA, VECTRA, ZAFIRA **CITROËN** PICASSO, XSARA **FIAT** TEMPRA, TEMPRA TURBO **OPEL** ASTRA, CCALIBRA, OMEGA, VECTRA **VOLKSWAGEN** GOL, PARATI, SANTANA, SANTANA QUANTUN, SAVEIRO, VOYAGE

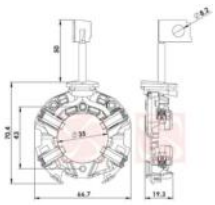


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-118-B-12V	BOSCH - WAPSA	DB/DW	F000AL1052,F000AL1053, F000AL1171F000AL1222,F000AL2057, F000AL0100

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107015, 9000081004, 9000081005, 9000081006, 9000081007, 9000081008, F000AL0101, F000AL0102, F000AL0104, F000AL0106, F000AL0121, F000AL0502, F000AL0507	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base menor que DM´s (A-115 / 116).Porta-escovas com terminal saída para o lado direito. **CITROËN** XSARA PICASSO 2.0 16V **FIAT** MAREA 1.8I 16V, MAREA 2.4I 20V, MAREA TURBO 2.0I 20V, PALIO 1.6 16V, PALIO WEEKEND 1.6 16V, TEMPRA 2.0 8V, TEMPRA 2.0 MPI 16V, TEMPRA 2.0 SPI 8V, TEMPRA TURBO 2.0 MPI 8V **FORD** ROYALE 1.8I, ROYALE 2.0, ROYALE 2.0I, VERSAILLES 1.8I, VERSAILLES 2.0, VERSAILLES 2.0I **GM** ASTRA 1.8 MPFI, ASTRA 2.0 MPFI, ASTRA SEDAN 1.8 MPFI, IPANEMA 2.0 MPFI, KADETT 2.0 MPFI, OMEGA 2.0 MPFI, OMEGA SUPREMA 2.0 MPI, VECTRA 2.0, VECTRA 2.0 GSI 16V, VECTRA 2.0 MPFI, ZAFIRA 2.0 MPFI **OPEL** ASTRA, CALIBRA, OMEGA, VECTRA **VOLKSWAGEN** GOL 1.8, GOL 2.0 GTI, GOL II 1.8 MI, GOL II 1.8I, GOL II 2.0 MI, GOL II 2.0I GOL III 1.8 MI, GOL III 2.0 MI, PARATI 1.6, PARATI 1.8, PARATI II 1.8 MI, PARATI II 2.0 MI, PARATI II 2.0I, PARATI III 1.8 MI, PARATI III 2.0 MI, QUANTUM 1.8, QUANTUM 1.8 MI, QUANTUM 1.8I, QUANTUM 2.0 MI QUANTUM 2.0I, SANTANA 1.8 MI, SANTANA 1.8I, SANTANA 2.0 MI, SANTANA 2.0I, SAVEIRO 1.8, SAVEIRO II 1.6 MI, SAVEIRO II 1.8 MI, SAVEIRO II 2.0 MI, SAVEIRO III 1.6 MI, SAVEIRO III 1.8 MI, SAVEIRO III 2.0 MI, VOYAGE 1.8, VOYAGE 1.8 SPECIAL

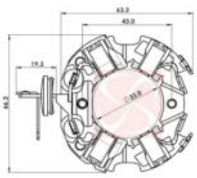


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-119-12V	BOSCH - WAPSA	DW	1004336957,F000AL1052

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107015, 0001107045, F000AL0100	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Base menor que DM´s (A-115 / 116) **CHEVROLET-GM** ASTRA 1.8, ASTRA 2.0 I, ASTRA SEDAN 1.8, ASTRA SEDAN 2.0 I MPFI 16V, BLAZER 2.2 EFI, IPANEMA 2.0 MPFI, KADETT 2.0 MPFI OMEGA 2.0, OMEGA 2.2I, OMEGA SUPREMA 2.0, OMEGA SUPREMA 2.2, OMEGA SUPREMA 3.0I, S10 EFI, S10 MPFI, VECTRA 2.0, VECTRA GSI 16V, ZAFIRA 2.0 I 16V **OPEL** ASTRA 2.0I, CALIBRA 2.0I TURBO 16V, FIAT, OMEGA 1.8, OMEGA 2.0 I, VECTRA 2.0 I 16V 2000 4X4

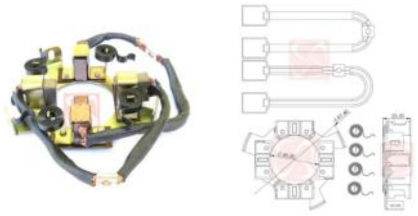


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-119-B-12V	BOSCH - WAPSA	DW	1004336957,F000AL1052

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107015, 0001107045, F000AL0100	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Porta-escovas com terminal saída para o lado direito. **FIAT** BRAVA 1.6 MPI 16V, BRAVA 1.8 MPI 16V, LINEA 1.8 16V FLEX, LINEA 1.8 16V FLEX DUALOGIC, LINEA 1.8 16V FLEX DUALOGIC LX, LINEA 1.8 16V FLEX LX, LINEA 1.9 16V FLEX, LINEA 1.9 16V FLEX DUALOGIC, MAREA 1.6 MPI 16V, MAREA 1.8 MPI 16V, MAREA 2.0 MPI 20V, MAREA 2.0 MPI 20V TURBO, MAREA 2.4 MPI 20V, MAREA WEEKEND 1.6 MPI 16V, MAREA WEEKEND 1.8 MPI 16V, MAREA WEEKEND 2.0 MPI 20V, MAREA WEEKEND 2.0 MPI 20V TURBO, MAREA WEEKEND 2.4 MPI 20V, PALIO 1.6 16V, PALIO ADVENTURE 1.6 MPI 16V, PALIO WEEKEND 1.6 16V 1.6, SIENA 1.6 MPI 16V, STRADA 1.6 MPI 16V, TEMPRA 2.0 MPI 16V, TEMPRA 2.0 SPI 8V **FORD** ROYALE 1.8I, ROYALE 2.0, ROYALE 2.0I, VERSAILLES 1.8I, VERSAILLES 2.0, VERSAILLES 2.0I **GM** ASTRA 1.8 MPFI, ASTRA 2.0 MPFI, ASTRA SEDAN 1.8 MPFI, ASTRA SEDAN 2.0 MPFI, BLAZER 2.2 EFI, IPANEMA 1.8, IPANEMA 1.8 EFI, IPANEMA 2.0, IPANEMA 2.0 EFI, IPANEMA 2.0 MPFI, KADETT 1.8, KADETT 1.8 EFI, KADETT 2.0 EFI, KADETT 2.0 MPFI, KADETT GS 2.0, KADETT GSI 2.0, MONZA 1.6, MONZA 1.8, MONZA 1.8 EFI, MONZA 2.0, MONZA 2.0 EFI, MONZA HATCH 1.6, MONZA HATCH 1.8, MONZA HATCH 2.0, MONZA MPFI, OMEGA 2.0 MPFI, OMEGA 2.2 MPFI, OMEGA SUPREMA 2.0 MPFI, OMEGA SUPREMA 2.2 MPFI, VECTRA 2.0 GSI SFI 16V, VECTRA 2.0 MPFI, VECTRA 2.2 MPFI **VOLKSWAGEN** GOL 1.8, GOL 2.0 GTI, GOL II 1.8 MI, GOL II 1.8I, GOL II 2.0 MI, GOL II 2.0I, GOL III 1.8 MI, GOL III 1.8 MI TOTAL FLEX, GOL III 2.0 MI, GOL IV 1.8 TOTAL FLEX, PARATI 1.8, PARATI II 1.8 MI, PARATI II 1.8I, PARATI II 2.0 MI, PARATI II 2.0I, PARATI III 1.8 MI, PARATI III 1.8 MI TOTAL FLEX, PARATI III 2.0 MI, PARATI IV 1.8 TOTAL FLEX, QUANTUM 1.8 MI, QUANTUM 1.8I, QUANTUM 2.0 MI, QUANTUM 2.0I, SANTANA 1.8 MI, SANTANA 1.8I, SANTANA 2.0 MI, SANTANA 2.0I, SAVEIRO 1.8, SAVEIRO 1.8 MI, SAVEIRO II 1.8 MI, SAVEIRO II 2.0 MI, SAVEIRO III 1.8 MI SAVEIRO III 1.8 MI TOTAL FLEX, SAVEIRO III 2.0 MI, SAVEIRO IV 1.8 TOTAL FLEX

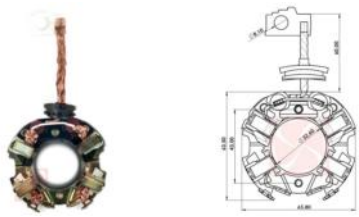


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-124-24V	BOSCH - WAPSA	EMT	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9135081000	8,8 x 19,0 x 22,0

APLICAÇÕES

DIVERSAS EMPILHADEIRAS;

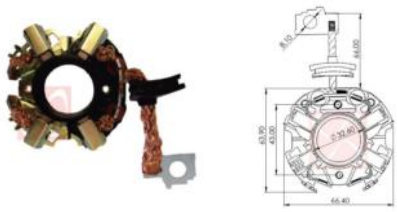


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-125-12V	BOSCH - WAPSA	DW	1004336423,1004336677,1004336740, 1004336762,1004336806,1004336832, 1004336954,1004336960,1004336968, 1004336998

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001108010, 0001108018, 0001108026, 0001108027, 0001108048, 0001108064, 0001108065, 0001108070, 0001108079, 0001108080, 0001108101, 0001108102, 0001108105, 0001108106, 0001108113, 0001108115, 0001108121, 0001108122, 0001108128, 0001108130, 0001108133, 0001108135, 0001108136, 0001108138, 0001108139, 0001108140, 0001108143, 0001108146, 0001108155, 0001108159, 0001108166, 0001108167, 0001108173, 0001108176, 0001108183, F010AL0103	5,0 x 16,0 x 13,0

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal com saída para lado direito e, gira sentido-horário. **ALFA ROMEO** ALFA 155 2.0, ALFA 156 2.5 24V, ALFA 165 3.0I.E, ALFA 166 3.0 V6 24V, SPIDER 3.0 V6 12V **AUDI** 100 2.2, 200 2.2 TURBO, 80 2.2 QUATTRO S2, 80 2.2 RS2, S4 2.2 AVANT QUATTRO, S4 2.2 QUATTRO, S6 2.2 T, S6 2.2T AVANT QUATTRO **BMW** 325I, 525I **CHRYSLER** GRAND CARAVAN 3.0I **CITROËN** BERLINGO 1.8I, BERLINGO 1.9I, EVASION 2.0I, EVASION 2.0I TURBO, XANTIA 1.6I, XANTIA 1.8I, XANTIA 1.8I 16V, XANTIA 2.0I 16V, XM 2.0I, XM 2.0I 16V, XM 2.0I TURBO, XSARA 1.8I, XSARA 2.0I 16V, XSARA PICASSO 2.0 TURBO, ZX 2.0I **FIAT** BRAVA 1.9 ELX JTD DIESEL, CROMA 2.0I.E, FIORINO 1.7 DIESEL, MAREA 1.9 ELX JTD DIESEL, MAREA WEEKEND 1.9 ELX JTD DIESEL, PALIO 1.7 SX TURBO DIESEL, PALIO ELX TURBO DIESEL, PALIO EX TURBO DIESEL, PALIO WEEKEND ELX TURBO DIESEL, SIENA ELX TURBO DIESEL, SIENA EX TURBO DIESEL, STILO 1.9 JTD DIESEL STRADA 1.7 TURBO DIESEL, ULYSSE 1.9 TD, ULYSSE 2.0I.E. TURBO, ULYSSE 2.1 TD **FORD** ESCORT 1.6I 16V, ESCORT 1.6I 16V CABRIO, ESCORT 1.6I 16V TURNIER, ESCORT 1.6I 16V XR3I CABRIO ESCORT 1.8I 16V XR3 CABRIO, ESCORT 2.0I 16V RS2000, ESCORT 2.0I 16V RS2000 4X4, MONDEO 1.8I, MONDEO 1.8I TURNIER, MONDEO 2.0I, MONDEO 2.0I TURNIER, TRANSIT FT 080 2.0I NSG, TRANSIT FT 100 2.0I NSG, TRANSIT FT 120 2.0I NSG, TRANSIT FT 150 2.0I NSG, TRANSIT FT 190 2.0I NSG **GM** C20 4.1 MPFI, C20 POWERTECH, OMEGA 3.0 MPFI, OMEGA 3.0I, OMEGA 4.1I, OMEGA SUPREMA 3.0 MPFI, OMEGA SUPREMA 3.0I, OMEGA SUPREMA 4.1I, SILVERADO 4.1 POWERTECH **OPEL** OMEGA 2.4I, OMEGA 2.6I, OMEGA 3.0I, OMEGA 3.0I EVOLUTION 500, OMEGA 3.6I **PEUGEOT** 306 1.8I 16V, 306 2.0I 16V, 405 1.8I 16V, 405 2.0I MI 16V, 605 2.0I 16V, 605 3.0I 24V, 806 2.0I, PARTNER 1.8I, PARTNER 1.9I **VOLKSWAGEN** GOL 1.6 D, KOMBI 1.6 D, PARATI 1.6 D, PARATI III 1.9 D, SAVEIRO 1.6 D, SAVEIRO III 1.9 D, TRANSPORTER DIESEL **VOLVO** 850 2.5 GLT, 850 2.5 TURBO, C70 T5 COUPÉ, S40 1.8 16V, S40 2.0 16V, S40 2.0 16V TURBO, S70 2.3, S70 2.5 20V, V40 1.8 16V, V70 2.3, V70 2.5 20V, V70 AWD



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-126-12V	BOSCH - WAPSA		1004336811,1004336362, 10043364261004336442,1004336467, 10043367721004336904,1004336911, 10043369191004336923,1004336961

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001106409, 0001107003, 0001108005, 0001108021, 0001108050, 0001108059, 0001108060, 0001108076, 0001108077, 0001108094, 0001108095, 0001108096, 0001108099, 0001108121, 0001108127, 0001108147, 0001108168, 0001108190, 0001108907, 0001111001, 0001111005	5,0 x 16,0 x 13,0

APLICAÇÕES

OBSERVAÇÕES Porta-escovas com terminal saída para o lado esquerdo. **FIAT** TEMPRA 2.0 I.E., TEMPRA S.W., TIPO 1.8, TIPO 2.0 I.E. 16V **LADA** SAMARA 1.3, SAMARA 1.5, SHIGULI **VOLKSWAGEN** GOLF 1.8, GOLF II 1.8, PASSAT IMPORTADO 2.0

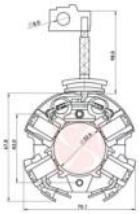
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-127-12V	BOSCH - WAPSA	DB/DW	1004336257,1004336402,1004336408, 1004336429,1004336440,1004336446, 1004336459,1004336466,1004336732, 1004336737,1004336777,1004336808, 1004336847,1004336906,1004336926, 1004336927,1004336933,1004336958, 1004336983,1004336988,1004336990, 1004336991,1004336800,1004336884

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001109011, 0001109012, 0001110001, 0001110002,	6,0 x 18,0 x 14,5

0001110009, 0001110010, 0001110014, 0001110015, 0001110018, 0001110031, 0001110033, 0001110047, 0001110057, 0001110059, 0001110062, 0001110069, 0001110070, 0001110076, 0001110077, 0001110081, 0001110084, 0001110086, 0001110087, 0001110099, 0001110118, 0001110119, 0001124001, 0001124005, 0001124006, 0001124007, 0001124011, 0001124014, 0001125001, 0001125002, 0001125005, 0001125006, 0001125011, 0001125012, 0001125013, 0001125016, 0001125018, 0001125019, 0001125031, 0001125042, 0001125048;

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal com saída para lado esquerdo, e giro sentido anti-horário. **AUDI** S3 1.8 QUATTRO **PORSCHE** 911 3.6 CARRERA 4, 911 3.6 CARRERA 4S, 911 3.6 TARGA, 911 3.6 TARGA 4 **SEAT** CORDOBA 1.9 DIESEL, CORDOBA 1.9 DIESEL TURBO, CORDOBA 1.9 SDI IBIZA 1.9 DIESEL, IBIZA 1.9 DIESEL TURBO **VOLKSWAGEN** PASSAT 2.8 VR6, TRANSPORTER 1.9 DIESEL TURBO, TRANSPORTER 2.4 DIESEL, TRANSPORTER CALIFORNIA 1.9 DIESEL TURBO, TRANSPORTER CALIFORNIA 2.4 DIESEL, TRANSPORTER CARAVELLE 1.9 DIESEL TURBO, TRANSPORTER CARAVELLE 2.4 DIESEL, TRANSPORTER MULTIVAN 1.9 DIESEL TURBO, TRANSPORTER MULTIVAN 2.4 DIESEL

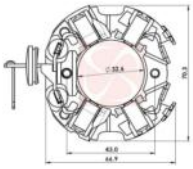


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-128-12V	BOSCH - WAPSA	DW	1004336361,1004336460,1004336463, 1004336465,1004336802,1004336835, 1004336845,1004336908,1004336949, 1004336994,1004336848,

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001108182, 0001110003, 0001110026, 0001110095	6,0 x 18,0 x 14,5

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal, com saída para lado direito. **RENAULT** CLIO 1.0I 8V, CLIO 1.6I, CLIO II 1.0I 8V, EXPRESS 1.6 DIESEL, EXTRA, RAPID 1.6, RAPID 1.7, SCÉNIC

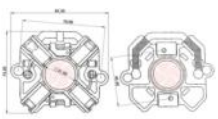


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-129-12V	BOSCH - WAPSA	DB/DW	1004336807,1004336826,1004336942, 1004336959,1004336981,1004336996

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001109014, 0001109021, 0001109036, 0001109040, 0001109306, 0001110011, 0001110017, 0001110025, 0001110029, 0001110030, 0001110041, 0001110063, 0001110079, 0001110100, 0001110104, 0001110106, 0001110107, 0001110120, 0001124015, 1004336962, F000AL0111, F000AL0131, F010AL0101, F042002065	6,0 x 18,0 x 14,5

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal, com saída para lado direito. **AUDI** 80 1.9 DIESEL TURBO, 80 1.9 TDI, A6 1.9 TDI, A6 1.9 TDI AVANT, A6 4.2 V8 QUATTRO, A8 4.2 QUATTRO, S6 4.2, S8 4.2 QUATTRO **BMW** M5 3.8, M5 TOURING **FIAT** DUNA 1.7D, DUNA 1.7D WEEKEND **FORD** COURIER 1.8 DIESEL, ESCORT 1.8 DIESEL EXPRESS 55, ESCORT 1.8 DIESEL EXPRESS 75, ESCORT 1.8 DIESEL TURNIER, ESCORT 1.8 TURBO DIESEL, ESCORT 1.8 TURBO DIESEL CABRIO, ESCORT 1.8 TURBO DIESEL EXPRESS, ESCORT 1.8 TURBO DIESEL TURNIER, MONDEO 1.8 TURBO DIESEL **IVECO** DAILLY **JAGUAR** XJ6 4.0 **LAND ROVER** DEFENDER 3.5, DISCOVERY 3.9I V8, NEW DISCOVERY 4.0I, RANGE ROVER 3.5I, RANGE ROVER 3.9I, RANGE ROVER 3.9I CLASSIC, RANGE ROVER 4.2 VOGUE, RANGE ROVER II 4.0I V8, RANGE ROVER II 4.6I V8 **MERCEDES-BENZ** CAMINHÕES SPRINTER 312D, CAMINHÕES SPRINTER 410D, CAMINHÕES SPRINTER JAMES COOK 312D **PEUGEOT** 306 1.9 DIESEL, 306 1.9D, 405 1.9 DIESEL, 405 1.9D **PORSCHE** BOXSTER 2.5I **RENAULT** SAFRANE 2.2I **TOYOTA** HILUX 3.0 2002 EM DIANTE **VOLKSWAGEN** PASSAT 2.5 TDI **VOLVO** 850 2.5 GLT, 960 3.0



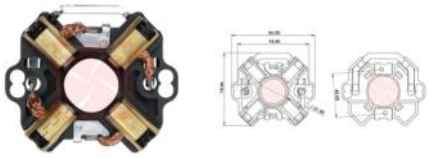
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-131-12V	BOSCH - WAPSA		9003334314,1004112906,1004112907

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001218004, 0001218006, 0001218009, 0001218011, 0001218012, 0001218013, 0001218015, 0001218016, 0001218018, 0001218019, 0001218021, 0001218023, 0001218025, 0001218029, 0001218101, 0001218103, 0001218107, 0001218108, 0001218115, 0001218118, 0001218122, 0001218125, 0001218126, 0001218128, 0001218135, 0001218136, 0001218137, 0001218138, 0001218140, 0001218142, 0001218152, 0001218153, 0001218157, 0001218158, 0001218159, 0001218160, 0001218161, 0001218163, 0001218165, 0001218168, 0001218171, 0001218174, 0001218176, 0001218177, 6003AB1J00, 6033ABC1J00, 9000331411, 9000331419, 9000331432, 9000331433, 9001338065	7,5 x 18,0 x 17,0

APLICAÇÕES

ALFA ROMEO 155 2.5 TD, 164 2.5 TD, 33 1.8 SW TD **BMW** 750 I IL, 850 CI, 850 CSI, 850 I **CHEVROLET-GM** BLAZER 2.5 DIESEL, S10 2.5 DIESEL **CHRYSLER** DODGE DAKOTA 2.5 D, VOYAGER 2.5 TD **FIAT** DUCATO 10, DUCATO 14, DUCATO 18 **FORD** CABRIO, COURRIER 1.8 DIESEL, ESCORT 1.8, EXPRESS 55/75, F 1000, F 1000 HSD, MONDEO 1.8 TURBO DIESEL, TURNIER DIESEL

TURBO **IVECO** DAILY 10 **LAND ROVER** LAND ROVER: 825 2.5 TD, LAND ROVER: RANGE ROVER II 2.5 DSE, LAND ROVER: RANGE ROVER II 2.5 DT **MARCOPOLO** VOLARE **MERCEDES-BENZ** CLASSE SL 600 COUPE SEC V12 SEL, MB 100, MB 180 D, SPRINTER 310 D, SPRINTER 312D, SPRINTER 412 D **OPEL** FROTERA 2.3 TD, OMEGA 2.3 D, OMEGA 2.3 DT **PEUGEOT** BOXER 2.5 TDI **RENAULT** ESPRESS, EXTRA, RAPID 1.6 **ROVER** 825 2.5 TD **SSANGYONG** MUSSO 2.9 DIESEL **TROLLER** T4 C/ MOTOR MWM 2.8 DIESEL

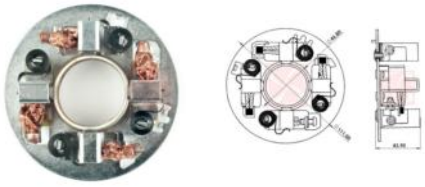


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-132-12V	BOSCH - WAPSA	EV	9003334341,9003334158,9003334,9003334155 9003334156,151138424,CQ2050080CQ, 1014462

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001218104, 0001218116, 0001218117, 0001218119, 0001218132, 0001218148, 0001218149, 0001218170, 0001311115, 9000331201, 9000331203	7,5 x 18,0 x 17,0

APLICAÇÕES

IVECO CAMINHÕES DIVERSOS **VOLKSWAGEN** TRANSPORTER 2.4 DIESEL

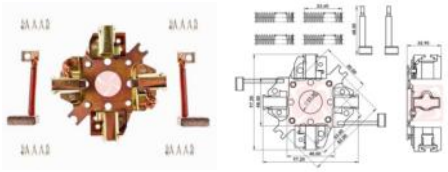


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-136-24V	BOSCH - WAPSA	JE	2004336077,2004336078

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001371004, 0001371005, 0001371006, 0001371007, 0001371008, 0001371009, 0001371019	9,0 x 36,0 x 18,0

APLICAÇÕES

MERCEDES-BENZ CAMINHÕES ACTROS 2553 **SCANIA** CAMINHÕES P114, CAMINHÕES P124, CAMINHÕES P322, CAMINHÕES P340, CAMINHÕES P360, CAMINHÕES P400, CAMINHÕES P420, CAMINHÕES R114, CAMINHÕES R124, CAMINHÕES R144, CAMINHÕES R164, CAMINHÕES R320, CAMINHÕES R322, CAMINHÕES R340, CAMINHÕES R360, CAMINHÕES R400, CAMINHÕES R420, CAMINHÕES R460, CAMINHÕES R480, CAMINHÕES R530, CAMINHÕES R580, CAMINHÕES T114, CAMINHÕES T124, CAMINHÕES T144, CAMINHÕES T320, CAMINHÕES T322, CAMINHÕES T340, CAMINHÕES T360, CAMINHÕES T400, CAMINHÕES T420, CAMINHÕES T460, CAMINHÕES T480, CAMINHÕES T530, ÔNIBUS K124, ÔNIBUS K360, ÔNIBUS K420



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-150-24V	BOSCH - WAPSA	JF/DD	2004336031,2004336040,2009994113

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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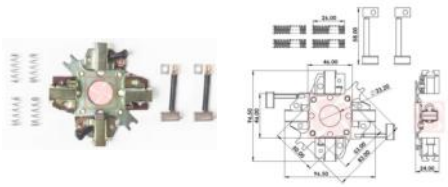
APLICAÇÕES

CASE ESCAVADEIRA 900 C/ MOTOR 6T, ESCAVADEIRA 988 C/ MOTOR 6T **DIVERSAS** DEUTZ, FORD, HANOMAG, IHC, KHD, MAGIRUS, VOLVO, WHITE **FIAT** CAMINHÕES 130, CAMINHÕES 70-10 **IVECO** CAMINHÕES 110-13, CAMINHÕES 110-16, CAMINHÕES 120-13, CAMINHÕES 130-13, CAMINHÕES 130-16, CAMINHÕES 60-9, CAMINHÕES 75-9, CAMINHÕES 80-13, CAMINHÕES 80-16, CAMINHÕES 90-13, CAMINHÕES EUROCARGO 135 E18, CAMINHÕES EUROCARGO 150 E21, CAMINHÕES EUROCARGO 320 E27 **MERCEDES-BENZ** CAMINHÕES 1414, CAMINHÕES 1617, CAMINHÕES 1720 L, CAMINHÕES 817 LO, ÔNIBUS O371, ÔNIBUS OF1115, ÔNIBUS OF1315, ÔNIBUS OH1315, ÔNIBUS OH1318 **RENAULT** 135, 150, 180, 210, 220, 250, 270, 300, CE, D, G, JE, M, ME, MIDLUM, R, S, SE, SZM **SCANIA** CAMINHÕES P124, CAMINHÕES P360, CAMINHÕES P400, CAMINHÕES P420, CAMINHÕES P93H, CAMINHÕES P94, CAMINHÕES R124, CAMINHÕES R144, CAMINHÕES R164, CAMINHÕES R360, CAMINHÕES R400, CAMINHÕES R420, CAMINHÕES R460, CAMINHÕES R480, CAMINHÕES R530, CAMINHÕES R580, CAMINHÕES T124, CAMINHÕES T144, CAMINHÕES T360, CAMINHÕES T400, CAMINHÕES T420, CAMINHÕES T460, CAMINHÕES T530, ÔNIBUS K124, ÔNIBUS L94/220, ÔNIBUS L94/260, ÔNIBUS L94/310



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-151-12V	BOSCH - WAPSA	JF/DD	2004336027,2004336041,2004336099

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001207001, 0001207004, 0001354092, 0001362005, 0001362006, 0001362020, 0001362034, 0001362036, 0001362037, 0001362038, 0001362039, 0001362040, 0001362041, 0001362042, 0001362043, 0001362044, 0001362045, 0001362046, 0001362047, 0001362048, 0001362049, 0001362050, 0001362051, 0001362053, 0001362055, 0001362056, 0001362057, 0001362058, 0001362059, 0001362060, 0001362061, 0001362062, 0001362063, 0001362064, 0001362065, 0001362069, 0001362070, 0001362071, 0001362072, 0001362073,	9,0 x 16,0 x 17,0

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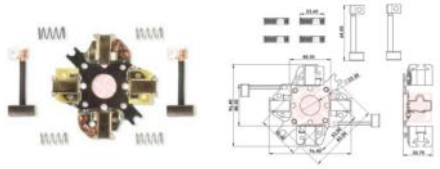
APLICAÇÕES

DIVERSAS AUDI, CASE, DEUTZ, MASSEY FERGUSON, MERCEDES-BENZ, NEW HOLLAND **IVECO** CAMINHÕES 110-13, CAMINHÕES 130-13, CAMINHÕES 80-13, CAMINHÕES 90-13 **JOHN DEERE** MÁQUINAS DIVERSAS **KAEBLE** 3 WT (ROLO COMPACTADOR EM TANDEM COM VIBRADOR DE COMPRESSÃO HIDRÁULICA), W COM MOTOR (ROLO COMPACTADOR EM TANDEM COM VIBRADOR DE COMPRESSÃO HIDRÁULICA), WTV COM MOTOR (ROLO COMPACTADOR EM TANDEM COM VIBRADOR DE COMPRESSÃO HIDRÁULICA) **KHD** MOTORES **PEUGEOT** 504 2.3 PICK-UP DIESEL **VOLVO** DIESEL



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-152-12V	BOSCH - WAPSA	JF/DD	2004336044,2004336028,2004336067

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001367001, 0001367002, 0001367003, 0001367004, 0001367005, 0001367006, 0001367007, 0001367008, 0001367009, 0001367010, 0001367011, 0001367012, 0001367013, 0001367014, 0001367015, 0001367016, 0001367018, 0001367021, 0001367022, 0001367023, 0001367024, 0001367025, 0001367027, 0001367028, 0001367029, 0001367030, 0001367032, 0001367034, 0001367036, 0001367039, 0001367042, 0001367044, 0001367045, 0001367046, 0001367048, 0001367050, 0001367052, 0001367055, 0001367058, 0001367063, 0001367070, 0001367076, 0001367300	10,0 x 25,0 x 17,0

APLICAÇÕES

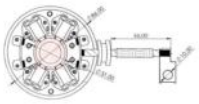
DIVERSAS DEUTZ, FORD, IHC, IVECO, JOHN DEERE, KHD, MACK TRUCK, MAGIRUS, MASSEY FERGUSON, MERCEDES-BENZ, RENAULT, VOLVO **MERCEDES-BENZ (CAMINHÕES)** 1114 L, 613 L, 710, 712, 812 LO, 911, UNIMOG U1300, UNIMOG U2150 **NEW HOLLAND** TRATOR 8430, TRATOR 8630, TRATOR 8830 **SCANIA** TRUCK 93L

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-162-12V	BOSCH - WAPSA	EV	6033AD0368,6033AD1244,6033AD1246

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001218174, 0001218774, 0001223001, 0001223003, 0001223005, 0001223007, 0001223010, 0001223011, 0001223012, 0001223013, 0001223014, 0001223018, 0001223019, 0001223024, 6033AD0014, 6033AD0159, 6033AD0160, 6033AD0221, 6033AD0401, 6033AD0404, 6033AD0407, 6033AD1155, 6033AD1250, 6033AD1252, 6033AD1294, 6033AD1311, 6033AD1349, 6033AD1350	6,1 x 22,0 x 15,5

APLICAÇÕES

CITROËN JUMPER 2.8, JUMPER 2.8 HDI, JUMPER 2.8 T **FIAT** DUCATO 2.5 D, DUCATO 2.8 D, DUCATO 2.8 D TURBO, DUCATO 2.8 D TURBO INTERCOOLER, DUCATO CARGO 2.3, DUCATO CARGO 2.8 D, DUCATO CARGO 2.8 D TURBO, DUCATO CARGO 2.8 D TURBO INTERCOOLER, DUCATO COMBIANTO 2.3, DUCATO MAXI CARGO 2.3, DUCATO MINIBUS 2.3, DUCATO MULTI 2.3**FORD** F250 COM MOTOR MWM 6.07 TCA (03/1999 EM DIANTE) **IVECO** CITY CLASS COM MOTOR 2.8 8140.43S (10/2005 EM DIANTE), DAILY COM MOTOR 8140 (11/1997 EM DIANTE), DUCATO COM MOTOR 2.8 8140.43S (10/2005 EM DIANTE), SCUDATO COM MOTOR 2.8 8140.435 **IVECO (CAMINHÕES)** DAILY 35 C11, DAILY 35 C9, DAILY 35 S11, DAILY 35 S9, DAILY 50 C11, DAILY 50 C13**PEUGEOT** BOXER 2.8 D, BOXER 2.8 D INTERCOOLER, BOXER 2.8 D TURBO, BOXER 2.8 HDI

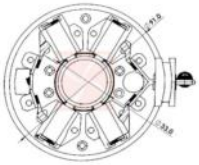


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-164-12V	BOSCH - WAPSA	EV	6033AD0161,6033AD0409, 6033AD04116033AD1255,6033AD1259, 6033AD0216,6033AD0404,6033AD0370, 6033AD1250,6033AD0161,6033AD0369

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001218774, 0001223002, 0001223004, 0001223016, 0001223021, 0001223022, 0001223505, 0001230007, 93828721, F000AL0130	6,1 x 22,0 x 15,5

APLICAÇÕES

DIVERSAS CATERPILLAR, DEUTZ, ISUZU, IVECO, KHD **FORD** F1000 C/ MOTOR CUMMINS, F250 C/ MOTOR CUMMINS, F350 C /MOTOR CUMMINS, F4000 C/ MOTOR CUMMINS 4BTAA (11/1998 EM DIANTE) **NEW HOLLAND** TL 100 (09/1997 EM DIANTE), TL 70, TL 80, TL 90

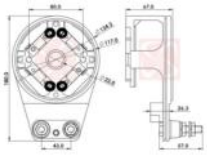


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-165-24V	BOSCH - WAPSA	EV	6033AD0189,6033AD4054,6033AD0128, 6033AD4064,6033AD4093,6033AD4096, 6033AD4107,6033AD4109,6033AD4177, 6033AD0161,6033AD0411,6033AD1259

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001231001, 0001231002, 0001231003, 0001231004, 0001231005, 0001231006, 0001231007, 0001231008, 0001231009, 0001231010, 0001231011, 0001231012, 0001231014, 0001231017, 0001231018, 0001231019, 0001231032, 0001231033	6,4 x 25,0 x 16,5

APLICAÇÕES

MERCEDES-BENZ CAMINHÕES 1215 C, CAMINHÕES 1218 L, CAMINHÕES 1315, CAMINHÕES 1318, CAMINHÕES 1418, CAMINHÕES 1418 L, CAMINHÕES 1518, CAMINHÕES 1618 M, CAMINHÕES 1622 L, CAMINHÕES 1718 M, CAMINHÕES 1725, CAMINHÕES 1728, CAMINHÕES 1933, CAMINHÕES 2423, CAMINHÕES 2425, CAMINHÕES 2428, CAMINHÕES 2533, CAMINHÕES 712C, CAMINHÕES 914 C, CAMINHÕES 914 LO, CAMINHÕES 915 C, CAMINHÕES 915 E, CAMINHÕES 915 LO, CAMINHÕES ACCELO, CAMINHÕES ATEGO, CAMINHÕES AXOR, CAMINHÕES UNIMOG U500, ÔNIBUS OF1418, ÔNIBUS O500 M, ÔNIBUS O500 R, ÔNIBUS O500 U, ÔNIBUS OF1417, ÔNIBUS OF1722, ÔNIBUS OH1418

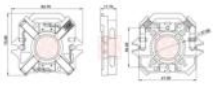


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-166-24V	BOSCH - WAPSA	KB	2005885110,9001084104

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001416009, 0001416036, 0001416061, 0001416071, 0001417005, 0001417023, 0001417036, 0001417042, 0001417047, 0001417055, 0001417064, 9000084007, 9000084008, 9000084009, 9000084011, 9000084012, 9000084013, 9000084014, 9000084015, 9000084016, 9000084018, 9000084020, 9000084022, 9000084023, 9000084024, 9000084026	12,0 x 36,0 x 27,0

APLICAÇÕES

ATLAS COPCO SÉRIE AX **CASE** SÉRIE 2000, SÉRIE 4000, SÉRIE 800, SÉRIE W **CATERPILLAR** SÉRIE 100, SÉRIE 3300, SÉRIE 631E, SÉRIE 900, SÉRIE D, SÉRIE D8L **CUMMINS** SÉRIE C, SÉRIE CT, SÉRIE CTA, SÉRIE N **DECAROLI** SL **EL DETALLE** SÉRIE AO **FIAT** SÉRIE 190 **FIAT-ALLIS** SÉRIE AD, SÉRIE FD, SÉRIE FG, SÉRIE FR **IVECO** SÉRIE 180, SÉRIE 190, SÉRIE 240, SÉRIE 260, SÉRIE 440, SÉRIE 450, SÉRIE 619 **KOMATSU** LIEBHERR, SÉRIE A, SÉRIE D, SÉRIE GD, SÉRIE R, SÉRIE WA **MAFERSA** SÉRIE M **MASSEY FERGUSON** SÉRIE MF 4000 **MERCEDES-BENZ** SÉRIE 13T L, SÉRIE 14T L, SÉRIE 15T L, SÉRIE 19T L, SÉRIE 20T L, SÉRIE 22T L, SÉRIE 26T L, SÉRIE O, SÉRIE OH **MWM** DIESEL **SCANIA** SÉRIE 112, SÉRIE 113, SÉRIE 142, SÉRIE BR, SÉRIE DN, SÉRIE DS, SÉRIE DSC, SÉRIE DSI **VOLKSWAGEN** SÉRIE 14T, SÉRIE 16T **VOLVO** SÉRIE B10, SÉRIE B7R, SÉRIE C10, SÉRIE F80, SÉRIE FM10, SÉRIE G, SÉRIE N10, SÉRIE N12, SÉRIE N80, SÉRIE NL10, SÉRIE NL12, SÉRIE PENTA, VOLVO PENTA



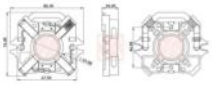
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-174-12V	BOSCH - WAPSA		1004336901,1004336102

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001208506, 0001208510, 0001208513, 0001208514, 0001208515, 0001208516, 0001208517, 0001208518, 0001208519, 0001208520, 0001208521, 0001208524, 0001208526, 0001208528, 0001208702, 0001208705, 0001208706, 0001208707, 0001208708, 0001208709, 0001208710, 0001208711, 0001208712, 0001208713, 0001208714, 0001208715, 0001208717, 0001208718, 0001208719, 0001211502, 0001211503, 0001211504, 0001211505, 0001211512, 0001211513, 0001211514, 0001211515, 0001211525, 0001211526, 0001211527,	7,0 x 10,0 x 15,5

0001211528, 0001211529, 0001211530, 0001211533, 0001211535, 0001211536, 82GB11000CA, 82GB11000EA, 85GB11000FA, 87GB11000AA, 87GB11000BA, 9000333104 9000333106, 9000333114, 9000333117, 9000333121, 9000333122

APLICAÇÕES

AUDI 100 1.8, 100 1.8 QUATTRO, 80 1.6, 80 1.8 GTE QUATTRO **CITROËN** BX 19 1.9 GTI, CX 22 2.2 **DIVERSAS** ALFA ROMEU, BMW, FIAT, LANCIA, MATRA, MERCEDES-BENZ, OPEL, SAAB, SEAT **FORD** TAUNUS 1.3 **PEUGEOT** 205 1.6, 309 1.9 GTI, 405 1.6, 405 1.9I, 505 2.0 **RENAULT** CLIO 1.0, CLIO 1.2, ESPACE 2.0, FUEGO 2.0, MASTER 2.0, MÉGANE 1.4, R11 1.1, R19 1.4, R25 2.0, R5 1.7 SUPER GTX, TRAFIC 1.7, TRAFIC 2.0 **TALBOT** SOLARA 1.3, SOLARA 1.4, SOLARA 1.6 **VOLKSWAGEN** PASSAT 1.6, PASSAT 1.8, SANTANA 1.6, SANTANA 1.8 **VOLVO** 340 1.7, 440 1.6, 440 1.8

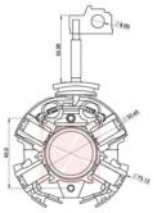


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-175-12V	BOSCH - WAPSA		1004336900

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001312108, 0001312109, 0001317007, 0001317008, 0001317009, 0001317010, 0001317011, 0001317012, 0001317013, 0001317016, 0001317017, 0001317018, 0001317019, 0001317022, 0001317023, 0001317024, 0001317025	7,0 x 16,0 x 15,0

APLICAÇÕES

AUDI 80 1.6 D, 80 1.6 TD, 80 1.9 TDI, 90 1.6 TD, A3 1.9 TDI QUATTRO, A6 1.9 TDI QUATTRO **CHEVROLET - GM** KADETT **DIVERSAS** TRANSPORTER, VAUXHALL **FORD** COURIER 1.8 D, ESCORT III 1.6 D, ESCORT IV 1.6 D, ESCORT VI 1.8 D, FIESTA IV 1.8 D, MONDEO 1.8 TD **MAZDA** 121 III 1.8 D **OPEL** ASTRA 1.7 TD, VECTRA 1.7 D **SKODA** SUPERB 1.9 TDI **VOLKSWAGEN** GOLF 1.5 D GOLF 1.6, JETTA 1.6, PASSAT 1.6 D, PASSAT 1.6 TD, PASSAT 1.9 TD, PASSAT 1.9 TDI, TRANSPORTER 2.4

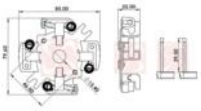


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-194-12V	BOSCH - WAPSA	DW	1004336445,1004336836,2004336237

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001109018, 0001109048, 0001109306, F000AL0105, F000AL0107, F000AL0112, F000AL0117, F000AL1973	6,0 x 18,0 x 14,5

APLICAÇÕES

CHEVROLET GM BLAZER 2.8 DIESEL, BLAZER 2.8 DIESEL ELETRONIC, S10 2.8 4X4 DIESEL, S10 2.8 4X4 DIESEL ELETRONIC **DIVERSAS** IVECO, LANCIA, MERCEDES-BENZ **FIAT** STRADA 1.7 TDS, STRADA 1.9 D **NISSAN** FRONTIER 2.8 DIESEL, XTERRA 2.8 DIESEL **TROLLER** T4, T4-M **YANMAR** MOTOR BTD22

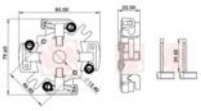


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-197-12V	BOSCH - WAPSA	EF	1004336046,1004336043

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001312103, 0001314005, 0001314018, 0001314025, 0001314026, 0001314027, 0001314032, 0001314034, 0001314036, 0001314037, 0001314038, 0001314042, 0001314043, 0001314045, 0001314046, 0001314047, 0001314048, 0001315005	7,0 x 16,0 x 18,0

APLICAÇÕES

BMW 735I, 745I **MERCEDES-BENZ** CLASSE SEL 500, CLASSE W124 **VOLKSWAGEN** 12 VOLTS MÉXICO

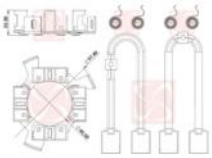


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-198-6V	BOSCH - WAPSA	EF	1004336027,9001042176

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001207001, 0001207003, 0001207005, 0001207009, 0001207015, 0001207016, 0001207017, 0001207018, 0001207019, 0001207020	7,0 x 16,0 x 18,0

APLICAÇÕES

VOLKSWAGEN FUSCA 1.2, MÉXICO

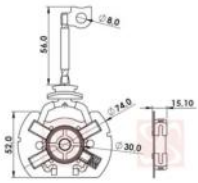


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-201-12V	BOSCH - WAPSA	EMT	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	8,8 x 19,0 x 22,0

APLICAÇÕES

DIVERSAS EMPILHADEIRA, PLATAFORMA

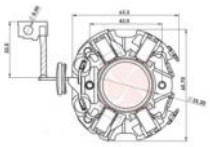


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-210-12V	BOSCH - WAPSA	K1	F000CD1203,F000CD1285,F000CD1441

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
F000CD0900, F000CD0901, F000CD0902, F000CD0903, F000CD0905, F000CD09A0, F000CD09A3	4,5 x 8,7 x 10,5

APLICAÇÕES

CHEVROLET-GM MONTANA **FIAT** BRAVO MOTOR E. TORQ, DOBLO MOTOR E. TORQ, FIORINO 1.3 FIRE MOTOR E. TORQ, IDEA MOTOR E. TORQ, PALIO MOTOR E. TORQ, PUNTO MOTOR E. TORQ STRADA 1.4 MOTOR E. TORQ, STRADA 1.6 MOTOR E. TORQ **VOLKSWAGEN** GOL, VOYAGE 1.0, VOYAGE 1.6

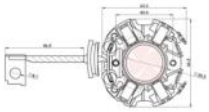


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-217-12V	BOSCH - WAPSA	DW	F000AL1171,1004336801, 10043368091004336810,1004336813, 1004336814,1004336827,1004336828, 1004336831,1004336833,1004336842, 1004336853,1004336938,1004336957, 1004336964,1004336970,1004336975, 1004336980,1004336989

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001106007, 0001106008, 0001106009, 0001106010, 0001106011, 0001106012, 0001106014, 0001106015, 0001106017, 0001106018, 0001106019, 0001107009, 0001107010, 0001107012, 0001107013, 0001107014, 0001107015, 0001107016, 0001107017, 0001107018, 0001107019, 0001107025, 0001107026, 0001107027, 0001107028, 0001107029, 0001107030, 0001107031, 0001107032, 0001107033, 0001107034, 0001107037, 0001107038, 0001107041, 0001107043, 0001107044, 0001107045, 0001107047, 0001107048, 0001107049, 0001107054, 0001107055, 0001107056, 0001107059, 0001107060, 0001107061, 0001107062, 0001107063, 0001107064, 0001107065, 0001107066, 0001107067, 0001107068, 0001107069, 0001107072, 0001107075, 0001107076, 0001107077, 0001107079, 0001107082, 0001107083, 0001107085, 0001107087, 0001107088, 0001107089, 0001107091, 0001107092, 0001107093, 0001107094, 0001107095, 0001107096, 0001107097, 0001107098, 0001107100, 0001107101, 0001121001, 0001121002, 0001121003, 2810002080, 2810016230, F000AL0118	5,0 x 12,0 x 11,6

APLICAÇÕES

TOYOTA COROLLA 1.6I 16V HATCHBACK, COROLLA 1.6I 16V SEDAN, COROLLA 1.6I 16V WAGON, COROLLA 1.8I 16V FIELDER, COROLLA 1.8I 16V SEDAN

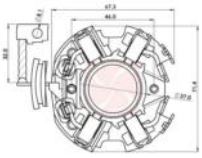


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-218-12V	BOSCH - WAPSA	DW	1004336985,2004336212

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001107037, 0001107048, 0001107056, 0001107072	5,0 x 12,0 x 11,6

APLICAÇÕES

DIVERSAS ALFA ROMEO, AUDI, CITROËN, LANCIA, OPEL, PEUGEOT;, RENAULT;, SEAT, VAUXHALL, VOLKSWAGEN; **MERCEDES-BENZ** 200 E, CLASSE C 180, CLASSE C 180 T-MODELL, CLASSE C 200, CLASSE C 220, CLASSE C 230, CLASSE C 230 KOMPRESSOR, CLASSE CLK 230 KOMPRESSOR, CLASSE E 190 2.3, CLASSE E 200, CLASSE E 200 T-MODELL, CLASSE E 220, CLASSE E 230, CLASSE ML 230, CLASSE SLK 230 KOMPRESSOR

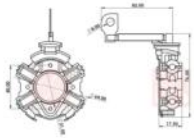


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-219-12V	BOSCH - WAPSA	DM	9001081094,9001081068,9030731

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001112041, 9000081009, 9001081009, F000AL0300, F000AL0305, F000AL1094	5,0 x 12,0 x 11,6

APLICAÇÕES

FIAT ELBA 1.5 SPI, FIORINO FURGÃO 1.0, FIORINO FURGÃO 1.5 MPI, FIORINO FURGÃO 1.5 SPI, PALIO 1.0 MPI 8V, PALIO 1.5, PALIO 1.5 MPI 8V, PALIO WEEKEND 1.0, PALIO WEEKEND 1.0 MPI 8V, PALIO WEEKEND 1.5, PALIO WEEKEND 1.5 8V, SIENA 1.0, SIENA 1.0 MPI 8V, SIENA 1.5, SIENA 1.5 MPI 8V, STRADA 1.5, STRADA 1.5 MPI 8V, UNO 1.5 SPI, UNO MILLE 1.0 MPI, UNO MILLE 1.0 SPI

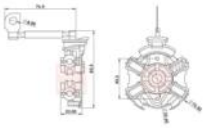


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-222-12V	BOSCH - WAPSA	DB	1004336506,1004336526,1004336637, 1004336842,1004336879,1004336957, 020911209B,020911209F

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0000112040, 0001107017, 0001107018, 0001107025, 0001120400, 0001120401, 0001120402, 0001120403, 0001120404, 0001120405, 0001120406, 0001120407, 0001120408, 0001120409, 0001120410, 0001120411, 0001120412, 0001120440, 0001121001, 0001121002, 0001121402, 0001121403, 0001121408, 0001121409, 0001121410, 0001121411, 0001121412, 0001121413, 0001121422, 0001121423, 0001121427, 0001121428, 0001121443, 0001121444, 6G9N11000LB, F004A94403	4,5 x 10,0 x 13,0

APLICAÇÕES

AUDI A3 ATÉ 2018 **BMW** X1 **FIAT** 1.6 MPI 16V FLEX, ADVENTURE 1.8 16V FLEX, ADVENTURE LOCKER 1.8 MPI 16V FLEX, BRAVO, BRAVO ATÉ 2016, DOBLO 1.8 MPI 16V FLEX, DOBLO ATÉ 2017 GRAND SIENA 1.6 FLEX/DUALOGIC, IDEA 1.4 FLEX, IDEA 1.6 16V FLEX, IDEA 1.8 16V FLEX, LINEA, LINEA ATÉ 2016, LOCKER 1.8 MPI 16V FLEX, PALIO 1.6 16V FLEX/DUALOGIC, PALIO WEEKEND 1.6 FLEX, PALIO WEEKEND DE 2011 A 2017, PUNTO 1.4 FLEX, PUNTO 1.6 16V FLEX, PUNTO 1.8 16V FLEX, SIENA 1.6 MPI 16V FLEX, STRADA 1.6 FLEX, STRADA 1.8 MPI 16V FLEX, STRADA ADVENTURE 1.8 FLEX, STRADA DE 2011 A 2018, UNO ATÉ 2018 **FORD** MONDEO ATÉ 2006 **LAND ROVER** FREELANDER, RANGE ROVER **SEAT** CORDOBA ATÉ 2009, IBIZA ATÉ 2018, TOLEDO ATÉ 2018 **VOLKSWAGEN** EOS ATÉ 2015, GOLF ATÉ 2018, JETTA ATÉ 2018, PASSAT, POLO ATÉ 2017



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-223-12V	BOSCH - WAPSA	JF/JD/LT	1004336518,1004336586,1004336599, 6004AE0016,1004336517,1004336556, 1004336581,1004336599,1004336603, 1004336611,1004336623,1004336666, 1004336757,1004336895,1004338157

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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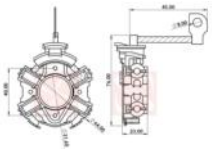
069.911.023.L, 069.911.023.LX, 069.911.023.M,
069.911.023.MX, 31.65143.39053.5, 69503857, 9000083054
900008328, F000AL0150, F000AL0151, F.000.AL0.111,
F.000.AL0.128, F.000.AL0.129, F.000.AL0.130, F.000.AL0.138
F.000.AL0.139, F.004.A94.008, F.004.A94.011, F000AL0143

APLICAÇÕES

OBSERVAÇÕES Design evoluído para agregar também as aplicações dos porta-escovas A-263-12V, A-264-12V, A-265-12V, A-266-12V, A-267-12V, A-277-12V e A-278-12V **ALFA ROMEO** 147 1.9 JTD, 147 1.9 JTD 16V, 156 1.9 JTD 16V, 156 1.9 JTD 16V Q4, 156 2.4 JTD, 159 1.9 JTDM 8V, 159 2.4 JTDM, 159 2.4 JTDM Q4, 166 2.4, 166 2.4 JTD, BRERA 2.4 JTDM 20V, BRERA GT 1.9 JTD, MITO 1.6 JTDM, SPIDER 2.4 JTDM **AUDI** A2 1.4 TDI, A3, A3 1.8 TURBO, A3 1.9 TDI, A3 1.9 TDI QUATTRO, A3 1.9 TDIAUDI: A6, A3 CONVERSÍVEL, A3 SPORTBACK, S3 1.8 TURBO QUATTRO, TT, TT ROADSTER **CHRYSLER** THEMA 3.0 CRD, THEMA 3.0 D, THEMA 3.0 V6 CRD **DODGE** RAM 1500 3.0 V6 D **FIAT** BRAVO 1.6 MULTIJET, BRAVO 1.9 DIESEL MULTIJET, CROMA 1.9 DIESEL MULTIJET, CROMA 2.4 JTDM MULTIJET, DUCATO MULTIJET 2.3, LINEA 1.6 MULTIJET, MAREA WEEKEND, SEDICI 1.9 DIESEL MULTIJET, STILO 1.9 JTD**FORD** CARGO ELETRÔNICO 1317, CARGO ELETRÔNICO 1517, CARGO ELETRÔNICO 1717, CARGO ELETRÔNICO 1722, CARGO ELETRÔNICO 2422, CARGO ELETRÔNICO 2428, CARGO ELETRÔNICO 715, CARGO ELETRÔNICO 815, F-250 CUMMINS 4CC 3.9 ELETRÔNICO 2006-2011, F-4000 CUMMINS 2010 EM DIANTE, GALAXY 1.9 TDI, GALAXY 2.0, GALAXY 2.3 16V **IVECO** DAILY 15 3.0, DAILY 10 2.3, DAILY 11 2.3, DAILY 11 2.8, DAILY 11 2.8IVECO: DAILY 12 2.3, DAILY 11 3.0, DAILY 12 2.3, DAILY 13 2.3, DAILY 13 2.3IVECO: DAILY 14 3.0, DAILY 13 2.8, DAILY 14 2.3, DAILY 14 3.0, DAILY 14G 3.0, DAILY 15 2.8, DAILY 15 3.0, DAILY 17 3.0, DAILY 18 3.0, DAILY 29 L 10 2.3, DAILY 33 S 11 2.3, DAILY 35 C 10 2.3, DAILY 35 S 10 2.3, DAILY 35 S14, DAILY 40 C 10 2.3, DAILY 55 S 17 3.0, DAILY 60 C 14 3.0, DAILY 65 C 14 3.0, DAILY 70 C 14 3.0, DAILY 9 2.8, DAILY 9 V 2.8, MASSIF 3.0 HPI, MASSIF 3.0 HPT **IVECO (ÔNIBUS)** CITYCLASS **JEEP** GRAND CHEROKEE 3.0 CRD, GRAND CHEROKEE 3.0 CRD V6 4X4, GRAND CHEROKEE 3.0 TD V6 4X4, GRAND CHEROKEE 3.0 V6 CRD **JOHN DEERE** 244J, 304J, 317, 320, 325, 328, 332, 4120, 4320, 4520, 4720, 5225, 5325 **LANCIA** DELTA 2.0 MULTIJET, KAPPA 2.4 JTD, LYBRA 2.4 JTD SW, THEMA 3.0 CRD, THEMA 3.0 D, THEMA 3.0 V6 CRD, THESIS 2.4 JTD **LDV** MAXUS 2.5 CDI **MERCEDES BENZ** CAMINHÃO 1316, CAMINHÃO 1513, CAMINHÃO 1714, CAMINHÃO 1718, CAMINHÃO 1720, CAMINHÃO 1721, CAMINHÃO 1722, CAMINHÃO 1723, CAMINHÃO 2418, CAMINHÃO 709, CAMINHÃO 710, CAMINHÃO 712, CAMINHÃO 715, CAMINHÃO 912, CAMINHÃO 914, CAMINHÃO L 1013, CAMINHÃO L 1111, CAMINHÃO L 1114, CAMINHÃO L 1116, CAMINHÃO L 1117, CAMINHÃO L 1214, CAMINHÃO L 1218, CAMINHÃO L 1314, CAMINHÃO L 1316, CAMINHÃO L 1317, CAMINHÃO L 1318, CAMINHÃO L 1418, CAMINHÃO L 1513, CAMINHÃO L 1516, CAMINHÃO L 1517, CAMINHÃO L 1518, CAMINHÃO L 1620, CAMINHÃO L 2013, CAMINHÃO L 2014, CAMINHÃO L 2016, CAMINHÃO L 2213, CAMINHÃO L 2214, CAMINHÃO L 2216, CAMINHÃO L 2217, CAMINHÃO L 2218, CAMINHÃO L1113, CAMINHÃO L1313, CAMINHÃO L608D, CAMINHÃO LO 809, CAMINHÃO LO 812, CAMINHÃO LO 814, CAMINHÃO O362, CAMINHÃO OM 366C, C-CLASS, CLK, E-CLASS, G-CLASS, M-CLASS, MIXTO, ONIBUS/ BUS O364 MOTOR/ ENGINE OM352/ 352, S-CLASS, SPRINTER 2-T, SPRINTER 3-T, SPRINTER 5-T, UNIMOG, VARIO, V-CLASS, VIANO, VITO **NEW HOLLAND** COLHEITADEIRA COMBINE FNH 8040, COLHEITADEIRA COMBINE FNH 8225 **PEUGEOT** BOXER **RENAULT** MASCOTT 110.35 2.8, MASCOTT 110.50 2.8, MASCOTT 110.55 2.8, MASCOTT 110.60 2.8, MASCOTT 130.35 2.8, MASCOTT 130.55 2.8, MASCOTT 130.65 2.8, MASCOTT 140.35 2.8, MASCOTT 140.55 2.8, MASCOTT 140.65 2.8, MASCOTT 150.35 2.8, MASCOTT 150.55 2.8, MASCOTT 150.65 2.8, MASCOTT 90.35 2.8 **SEAT** 2.8 V6 4-MOTION, ALHAMBRA 1.9 TDI, ALHAMBRA 1.9 TDI 4-MOTION, ALHAMBRA 2.0 TDI, ALTEA, ALTEA XL, CORDOBA 1.9 TDI, IBIZA 1.9 TDI, LEON 1.8 TURBO 20V, LEON 1.8 TURBO 20V 4 SYNCRO, LEON 1.9 TDI, LEON 1.9 TDI SYNCRO, LEON 2.8 CUPRA 4, TOLEDO 1.8 TURBO 20V, TOLEDO 1.9 TDI, TOLEDO III **SKODA** COMBI, OCTAVIA, SUPERB SUPERB ESTATE **SUZUKI** SX4 1.9 DDIS, SX4 1.9 DDIS 4WD **TOYOTA** BANDEIRANTES MOTOR OM 352, BANDEIRANTES MOTOR OM 364, HILUX DIESEL 2002 EM DIANTE, HILUX SW4 2.5, HILUX SW4 2.8 **VOLKSWAGEN** 28-46 II, BORA 1.8 TURBO, BORA 1.9 TDI, BORA 1.9 TDI 4-MOTION, BORA 2.8 V6 4-MOTION, BORA 2.8 VR6, CADDY III BOX, CADDY III ESTATE, EOS, GOLF IV 1.8, GOLF IV 1.8 GTI TURBO, GOLF IV 1.8 TURBO, GOLF IV 1.9 TDI, GOLF IV 1.9 TDI 4-MOTION, GOLF IV 2.3 V5, GOLF IV 2.3 V5 4-MOTION, GOLF IV 2.8 V6 4-MOTION, GOLF IV 3.2 4-MOTION, GOLF MK IV, GOLF PLUS, GOLF V, GOLF V 3.2 R32 4-MOTION, JETTA 1.8 TURBO GLS, JETTA I SALOON, LT 28-35 2.5 TDI, LT 40-55 2.5 TDI, MULTIVAN 2.5 TDI, MULTIVAN 2.5 TDI 4-MOTION, NEW BEETLE, NEW BEETLE 1.8, NEW BEETLE 3.2 RSI, PASSAT CC, PASSAT SALOON, PASSAT VARIANT, POLO 1.9 TDI, SHARAN 1.9 TDI, SHARAN 1.9 TDI 4-MOTION, SHARAN 2.0 TDI, SHARAN 2.8 V6 VR6 SYNCRO, TOURAN, TRANSPORTER 2.5 TDI, TRANSPORTER 2.5 TDI 4-MOTION, TRANSPORTER 2.5 TDI PF, TRANSPORTER IV BOX BUS, VARIANT **VOLVO** C30, C70, S40, S60, S80, V50, V60, V70, XC60, XC70, XC90

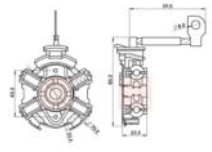


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-224-12V	BOSCH - WAPSA		1004336530

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001108401, 0001108411, 0001108412, 30667299, 36000041, 6G9N11000CC, 6G9N11000CD, 82667299, F000AL0903, F000AL0901	5,0 x 16,0 x 13,5

APLICAÇÕES

DIVERSAS BMW, CITROËN, PEUGEOT **FIAT** DUCATO **MERCEDES-BENZ** SPRINTER 311 CDI, SPRINTER 415 CDI, SPRINTER 515 CDI **VOLVO** AWD 2008, S60 II T6 AWD, S80 3.0L ANO 2008, S80 3.2L T6 AWD 2007 ATÉ 2008, S80 II 3.2, V60 3.0 T6 AWD, V70 III 3.2L, XC60 T6 AWD, XC60 T6 AWD 3.2, XC70 3.2L ANO 2008, XC70 II 3.2 AWD, XC70 II T6 AWD, XC90 3.2L 2007 ATÉ 2008, XC90 I 3.2 AWD, XC90 I 3.2 FWD



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-225-12V	BOSCH - WAPSA		07C.911.023.F,07C.911.023.FX,07C.911.023.G 07C.911.023.H,07C.911.023.HX,07D.911.023.A 07D.911.023.AX,F.002.G20.326,F.002.G20.348 F.002.G20.546,F.002.G20.582,F.002.G20.593, F.002.G20.820,F.026.T02.002/FIAT:51832955, 55193410,55195503/LADA:21100370801003/ VOLKSWAGEN:07C911023D

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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1.004.336.773, 1.004.336.788, 1.004.336.888, 1.004.336.889
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APLICAÇÕES

OBSERVAÇÕES Design evoluído para agregar também as aplicações dos porta-escovas A-279-12V, A-280-12V, A-281-12V e A-282-12V. **ALFA ROMEO** 155 2.0 16V T.SPARK, 155 2.0 8V T.SPARK, 155 2.5 V6 164 2.0 T.SPARK, 164 2.0 V6 TURBO, 164 3.0 V6 12V, 166 2.0 V6 TURBO, GT 3.2 V6, GTV 2.0 V6 TURBO, GTV 3.2, SPIDER 2.0 V6 TURBO, SPIDER 3.0 V6 12V **AUDI** 5.2 FSI QUATTRO, A6 2.0 TDI, A6 2.0 TDI AVANT, A8 6.0 QUATTRO, A8 6.0 V12 QUATTRO, Q7 4.2 FSI, Q7 5.0 TFSI QUATTRO, RS6 5.0 TFSI AVANT QUATTRO, S6 5.2 FSI AVANT QUATTRO, S8 5.2 FSI QUATTRO**BMW** 318 TI, 318I, 325 2.5L, 325 CI, 325I **FIAT** BRAVA II, CROMA I 2.5 I.E V6, CROMA I 2.5 I.E. V6, DOBLO, PALIO 1.0, PUNTO, STRADA **LADA** KALINA, PRIORA 1.4L **LANCIA** JTD, THEMA 3.0 I.E. V6 **MERCEDES-BENZ** CAMINHÃO SPRINTER 318 CDI, CAMINHÃO SPRINTER 319 CDI, CAMINHÃO SPRINTER 418 CDI, CAMINHÃO SPRINTER 518 CDI, CLASSE A 160 1.7 CDI, CLASSE A 170 1.7 CDI, CLASSE B, CLASSE C 240 2.4, CLASSE C 280 2.8, CLASSE C 320 3.0 CDI, CLASSE C 350 3.0 CDI, CLASSE C 55 5.4 AMG, CLASSE CL 500 5.0, CLASSE CL 55 5.4 AMG KOMPRESSOR, CLASSE SLR 5.4, VANEO 1.7 CDI, VIANO 3.0 CDI, VITO 120 3.0 CDI **MINI** COOPER 1.6 CLUBMAN, COOPER 1.6 ROADSTER **OPEL** VECTRA B 2.2I 16V, ZAFIRA B 2.2 **PORSCHE** 968 **SAAB** 9-3 1.9 TTID **VOLKSWAGEN** PASSAT 4.0 W8 4-MOTION, TOUAREG 4.2 FSI, VARIANT 4.0 W8 4-MOTION

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-226-12V	BOSCH - WAPSA	LT	1004336530,1004336631,1004336707

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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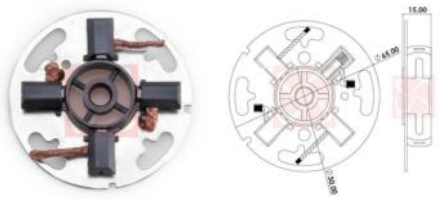
APLICAÇÕES

CITROËN BERLINGO 1.9, BERLINGO 2.0 HDI **DIVERSAS** BMW **FIAT** DUCATO 2.0 JTD, TORO **MERCEDES-BENZ** R 500 4MATIC, SPRINTER 311 CDI, SPRINTER 415 CDI, XC90 I 3.2 AWD **PEUGEOT** 306 2.0 HDI, 307 2.0 HDI, 407 **VOLVO** S60 II T6 AWD, S80 II 3.2, V60 3.0 T6 AWD, XC60 T6 AWD, XC70 II 3.2 AWD, XC70 II T6 AWD, XC90 I 3.2 FWD

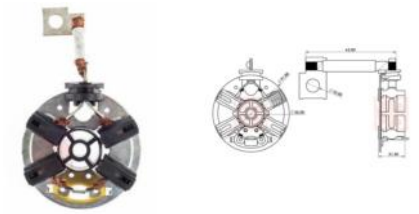


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-227-12V	BOSCH - WAPSA	CDS	F000CD1042

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
51876031, F000CD0001, F000CD0002, F000CD0003, F000CD1020	4,5 x 8,5 x 11,0

APLICAÇÕES

DACIA DUSTER, LOGAN, LOGAN MCV, SANDERO **FIAT** DOBLÒ 1.3 EX FIRE 16V, DOBLÒ 1.3 MPI 16V, DOBLÒ 1.4 MPI FLEX 8V, FIORINO FURGÃO 1.3 MPI 8V, FIORINO FURGÃO 1.3 MPI 8V FLEX, GRAND SIENA 1.4 FLEX, GRAND SIENA 1.4 TETRAFUEL, IDEA 1.4 FLEX, PALIO 1.0 FIRE 8V, PALIO 1.0 FLEX, PALIO 1.0 MPI 16V, PALIO 1.0 MPI 8V, PALIO 1.0 MPI 8V FLEX, PALIO 1.3 MPI 16V, PALIO 1.3 MPI 8V, PALIO 1.3 MPI 8V FLEX, PALIO 1.4 MPI 8V FLEX, PALIO FIRE 1.0 MPI 8V, PALIO FIRE 1.0 MPI 8V FLEX, PALIO FIRE ECONOMY 1.0 MPI 8V FLEX, PALIO WEEKEND 1.0 FIRE 8V, PALIO WEEKEND 1.0 MPI 16V, PALIO WEEKEND 1.3 MPI 16V, PALIO WEEKEND 1.3 MPI 8V, PALIO WEEKEND 1.3 MPI 8V FLEX, PALIO WEEKEND 1.4 MPI 8V FLEX, PUNTO 1.4 FLEX, SIENA 1.0 FLEX, SIENA 1.0 MPI 16V, SIENA 1.0 MPI 8V, SIENA 1.0 MPI 8V FLEX, SIENA 1.3 MPI 16V, SIENA 1.3 MPI 8V, SIENA 1.3 MPI 8V FLEX, SIENA 1.4 FLEX, SIENA 1.4 MPI 8V FLEX, SIENA 1.4 MPI 8V TETRAFUEL, SIENA FIRE 1.0 MPI 8V, SIENA FIRE 1.0 MPI 8V FLEX, STRADA 1.0 FIRE 8V, STRADA 1.3 FIRE 16V, STRADA 1.3 MPI 8V, STRADA 1.4 FLEX, STRADA 1.4 MPI 8V FLEX, STRADA FIRE 1.4 MPI 8V FLEX, UNO 1.0 FLEX, UNO 1.4 FLEX, UNO ECONOMY 1.4 FLEX, UNO FURGONETA 1.3 MPI 8V, UNO FURGONETA 1.3 MPI 8V FLEX, UNO FURGONETA 1.4 FLEX, UNO MILLE 1.0 MPI, UNO MILLE 1.0 MPI FLEX, UNO MILLE ECONOMY 1.0 MPI FLEX **RENAULT** DUSTER 1.6 16V HI-FLEX, KANGOO 1.6I 16V, KANGOO 1.6I 16V HI-FLEX, LOGAN 1.4, LOGAN 1.6, LOGAN 1.6 16V, LOGAN 1.6 16V HI-FLEX, LOGAN 1.6 HI-POWER FLEX, LOGAN 1.6 HI-TORQUE FLEX, MÉGANE 1.6 16V, MÉGANE 1.6 16V GRANDTOUR, MÉGANE 1.6 16V GRANDTOUR HI-FLEX, MÉGANE 1.6 16V HI-FLEX, SANDERO 1.4, SANDERO 1.6 16V, SANDERO 1.6 16V HI-FLEX, SANDERO 1.6 16V HI-TORQUE FLEX, SCÉNIC 1.6I 16V, SCÉNIC 1.6I 16V HI-FLEX, SYMBOL 1.6 16V HI-FLEX, SYMBOL 1.6 16V HI-TORQUE FLEX



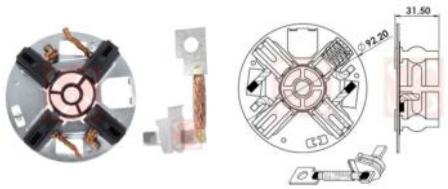
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-233-24V	BOSCH - WAPSA	HEF95	6033AD4016,6033AD4194,6033AD5128, 6033AD5179,6033AD5194,6033AD5316, 6033AD4054,6033AD5016,6033AD4212, F042050027

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001161002, 0001231004, 0001231011, 0001231016, 0001231033, 0001231039, 0001231046, 0001231133, 0001231146, 0001241001, 0001241003, 0001241005, 0001241014, 0001241015, 0001241016, 0001241019,	5,5 x 28,0 x 18,0

0001241020, 0001241128, 0002242002, 0002242002F042002135

APLICAÇÕES

KAMAZ 18T 5460 740.50-360 EURO 2, 27T 6520 740.51-320 EURO 2 **MERCEDES-BENZ** CAMINHÕES ACTROS 2546 BLUETEC, CAMINHÕES ACTROS 2646 BLUETEC, CAMINHÕES ACTROS 4144 BLUETEC, CAMINHÕES ATRON 1635, CAMINHÕES AXOR 2036, CAMINHÕES AXOR 2041, CAMINHÕES AXOR 2536, CAMINHÕES AXOR 2541, CAMINHÕES AXOR 2641, CAMINHÕES AXOR 3341, CAMINHÕES AXOR 3344, CAMINHÕES AXOR 4141, ÔNIBUS O500 MA, ÔNIBUS O500 MDA, ÔNIBUS O500 RSD, ÔNIBUS O500 UA, ÔNIBUS O500 UDA **SCANIA** CAMINHÕES G380, CAMINHÕES G420, CAMINHÕES P230, CAMINHÕES P270, CAMINHÕES P310, CAMINHÕES P340, CAMINHÕES P380, CAMINHÕES P420, CAMINHÕES P470, CAMINHÕES P480, CAMINHÕES R230, CAMINHÕES R270, CAMINHÕES R310, CAMINHÕES R340, CAMINHÕES R380, CAMINHÕES R420, CAMINHÕES R470, CAMINHÕES R480, CAMINHÕES T340, CAMINHÕES T380, CAMINHÕES T420, CAMINHÕES T470, ÔNIBUS K270, ÔNIBUS K310, ÔNIBUS K340, ÔNIBUS K380, ÔNIBUS K420 **VOLVO** ÔNIBUS B7R

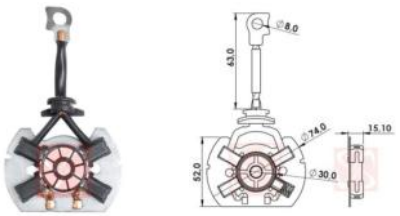


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-235-24V	BOSCH - WAPSA	HEF95	2004336100

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001161002, 0001250001, 0001250002, 0001251009, 0001261001, 0001261002, 0001261003, 0001261004, 0001261013, 0001261021, 0001261025, 0001261026, 0001263019, 0001263021, 0986021480, 2031368, 20313686146, 5801381129, 6033AD4194	6,5 x 28,0 x 18,0

APLICAÇÕES

DAF CAMINHÕES XF105.460, CAMINHÕES XF105.510 **SCANIA** CAMINHÕES G420, CAMINHÕES G440, CAMINHÕES G470, CAMINHÕES P114, CAMINHÕES P124, CAMINHÕES P144, CAMINHÕES P230, CAMINHÕES P270, CAMINHÕES P310, CAMINHÕES P340, CAMINHÕES P380, CAMINHÕES P420, CAMINHÕES P470, CAMINHÕES R114, CAMINHÕES R124, CAMINHÕES R144, CAMINHÕES R230 CAMINHÕES R270, CAMINHÕES R310, CAMINHÕES R340, CAMINHÕES R380, CAMINHÕES R420, CAMINHÕES R440, CAMINHÕES R470, CAMINHÕES T114, CAMINHÕES T124, CAMINHÕES T144, CAMINHÕES T340, CAMINHÕES T380, CAMINHÕES T420, CAMINHÕES T470, ÔNIBUS K310, ÔNIBUS K310 URBANO

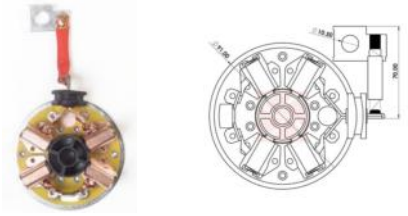


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-238-12V	BOSCH - WAPSA	K1	F000CD1285

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
51888975, F000CD0800, F000CD0801, F000CD0802, F000CD0A0	4,5 x 8,7 x 10,5

APLICAÇÕES

VOLKSWAGEN FOX COM MOTOR 1.0, FOX COM MOTOR 1.6, GOL COM MOTOR 1.0, GOL COM MOTOR 1.6, GOL G5, GOLF COM MOTOR 2.0, POLO COM MOTOR 1.0, POLO COM MOTOR 1.6, SAVEIRO COM MOTOR 1.0, SAVEIRO COM MOTOR 1.6, SPACEFOX COM MOTOR 1.0, SPACEFOX COM MOTOR 1.6, VOYAGE 1.0;, VOYAGE COM MOTOR 1.6

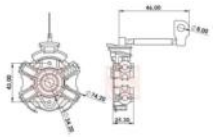


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-239-12V	BOSCH - WAPSA	EV	6033AD0166,6033AD0370,6033AD0374, 6033AD2022,6033AD3267,6033AD3042, 6033AD3328,9003334368,RE501910,RE508815 RE508818,9971889,5001855189,1319759, 1319875,IH82035765

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001230002, 0001230003, 0001230004, 0001230005, 0001230006, 0001230007, 0001230008, 0001230009, 0001230011, 0001230018, 0001230020, 0001230021, 0001230022, 0001230023, 0001230025, 0001230026, 0001230027	6,5 x 25,0 x 16,5

APLICAÇÕES

OBSERVAÇÕES RE501910, RE508815, RE508818,Iveco: 9971889, RENAULT: 5001855189, KHD: 1319759, 1319875,Case: IH 82035765 **DIVERSAS** DEUTZ, LIEBHERR, MERCEDES-BENZ, VOLVO **FORD** CAMINHÃO SÉRIE 21, CAMINHÕES F12000, CAMINHÕES F14000, CAMINHÕES F16000, CAMINHÕES F4000, F350 **IVECO** CAMINHÕES VERTIS 130 V18, CAMINHÕES VERTIS 130 V19, CAMINHÕES VERTIS 90 V16, CAMINHÕES VERTIS 90 V18 **JOHN DEERE** COMBINE 2254, COMBINE 4045, COMBINE 5410, COMBINE 5415, COMBINE 5420, COMBINE 5510, COMBINE 5615, COMBINE 5715, COMBINE 6205, COMBINE 6505, COMBINE 6510, COMBINE 6520, COMBINE 6605, COMBINE 6610, COMBINE 6615, COMBINE 6620, COMBINE 6715, COMBINE 6810, COMBINE 6820, COMBINE 6910 COMBINE 6920, COMBINE 7220, COMBINE 7320, COMBINE 7420, COMBINE 7520 **NEW HOLLAND** TRATOR TL100, TRATOR TL70, TRATOR TL80, TRATOR TL90

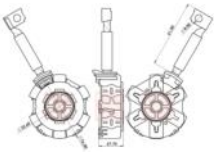


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-240-24V	BOSCH - WAPSA	HX87-M	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,0 x 18,0 x 14,5

APLICAÇÕES

FORD CARGO 2422 C/ MOTOR CUMMINS ELETRÔNICO, CARGO 2626 C/ MOTOR CUMMINS ELETRÔNICO, CARGO 2628 C/ MOTOR CUMMINS ELETRÔNICO

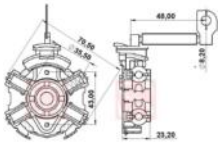


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-251-12V	BOSCH - WAPSA	S78-M-START/ STOP	1004336612,1004336649,1004337145, 0011516714,A0011516714,1004336674, 1004336695,1004337153,77365121

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001136002, 0001136003, 0001137001, 0001137002, 0001137003, 0001137004, 0001137005, 0001137006, 0001137011, 0001138001, 0001138002, 0001138009, 0001138010, 0001138017, 0001138018, 0001138019, 0001138020, 0001138043, 0001138044, 0001138045, 0001138046, 0001138051, 0001138052, 0001139001, 0001139002, 0001139005, 0001139006, 0001139015, 0001139016, 0001139025, 0001139026, 0001139047, 001137012, 06E911021D, 06E911021DX, 12417550975, 12417567788, 12417589350, 12417589352, 12417589354, 12417589355, 12417589356, 12417610342, 12417610349, 55572440, F000AL0159	5,5 x 18,0 x 14,5

APLICAÇÕES

OBSERVAÇÕES Para motor de partida S78-M com função Start-Stop **ALFA ROMEO** GIULIETTA 2.0 JTDM **AUDI** A3, A4, A5, A5 3.2 TSI, A6, A7, A7 3.0 TFSI, Q5 **BMW** 116D 2.0, 116I, 118D 2.0 XDRIVE, 118I, 120D 2.0, 120I, 125I, 218D 2.0, 220D 2.0, 220I, 228I, 316D 2.0, 316I, 318I, 320D 2.0, 320I, 328I, 335I, 420I, 428I, 435I, 520, 525D 2.0, 528I, 530D 3.0 XDRIVE, 535D 3.0 XDRIVE, 640I, X1, X3, X3 3.0 XDRIVE, X5 3.0 XDRIVE, X6 3.0 XDRIVE, Z4 **CHEVROLET - GM** AVEO, CRUZE, ORLANDO, TRAX AWD **CITROEN** C3 PICASSO, C4, C4 GRAND PICASSO, C4 PICASSO, C5, C5 BREAK, DS3 **CITROËN** BERLINGO **FIAT** DOBLÒ 2.0 D **FORD** F350 **HYUNDAI** I20, I30, I30CW, I40, IX 35, IX20, VELOSTER **JEEP** CHEROKEE III 2.8 CRD, WRANGLER III 2.8 CRD **KIA** CEED, RIO, SOUL SPORTAGE, VENGA **MERCEDES-BENZ** CAMINHÕES SPRINTER 209 2.1 CDI, CAMINHÕES SPRINTER 211 2.1 CDI, CAMINHÕES SPRINTER 213 2.1 CDI, CAMINHÕES SPRINTER 215 2.1 CDI, CAMINHÕES SPRINTER 309 2.1 CDI, CAMINHÕES SPRINTER 311 2.1 CDI, CAMINHÕES SPRINTER 313 2.1 CDI, CAMINHÕES SPRINTER 315 2.1 CDI, CAMINHÕES SPRINTER 411 2.1 CDI, CAMINHÕES SPRINTER 415 2.1 CDI, CAMINHÕES SPRINTER 509 2.1 CDI, CAMINHÕES SPRINTER 511 2.1 CDI, CAMINHÕES SPRINTER 515 2.1 CDI, CAMINHÕES SPRINTER 906 2.2 TDI **MINI** CLUBMAN COOPER S CLUBMAN JOHN COOPER WORKS MK, CLUBMAN ONE, CLUBVAN, COOPER JCW, COOPERS ALL4, COUNTRYMAN COOPER **NISSAN** JUKE 1.5 CDI, NOTE (E12) DCI, PULSAR (C13) DCI, QASHQAI (J11) DCI **OPEL** ADAM, ASTRA J, CASCADA, CORSA, INSIGNIA, MERIVA, MOKKA 4X4, MOKKA TURBO, ZAFIRA **PEUGEOT** 207, 207 CC, 207 SW, 3008, 308, 308 CC, 308 SW **RENAULT** CAPTUR 1.5 DCI 90, CLIO 1.5 DCI 90, CLIO 1.5 DCI 90 RENAULT: CLIO IV GRANDTOUR, GRAND SCENIC III 1.5 DCI, KANGOO 1.5 DCI, MEGANE III GRANDTOUR 1.5 DCI **VOLKSWAGEN** EOS, FUSCA TSI, GOLF GTI, GOLF TSI, PASSAT

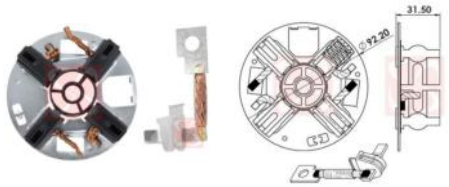


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-268-12V	BOSCH - WAPSA	DW	1004336523,1004336558,1004336653, 1004336700,1004336759,02M911209A, 03G911209B,1004336598,1004336513, 1004336522,1004336553,1004336584, 1004336591,1004336663,1004336677, 1004336678,1004336754,1004336792, 1004336798,1004336876,1004336890, 1004336899

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0.001.115.079, 0001115008, 0001115021, 0001115025, 0001115040, 0001115041, 0001115045, 0001115048, 0001115078, 0001115079, 0001115081, 0001115089, 0001123002, 0001123003, 0001123016, 0001123017, 0001123024, 0001123025, 0001123036, 0001123037, 0001123044, 0001123045, 012911023E, 012911023F, 012911023G, 012911023GX, 012911023H, 012911023HX, 02E.911.023.H, 02E911023AX, 02E911023HX, 02E911023L 02E911023LX, 02E911024A;, 55832949, 9556041070700, 95560410707010, 95560410707011	6,0 x 18,0 x 12,5

APLICAÇÕES

OBSERVAÇÕES Também utilizado em substituição ao A-270-12V.a **AUDI** RS3 2.5 TFSI SPORTBACK QUATTRO **BMW** SERIE 1, SÉRIE 2, SERIE 3, SERIE 5, SERIE 6, SERIE 7, X3, X5, X6 **CITROËN** JUMPER **DIVERSAS** SEAT **FIAT** DUCATO **FORD** TRANSIT **MERCEDES BENZ** CLASSE C, CLASSE C 240, CLASSE C 280, CLASSE C 36 AMG, CLASSE CL 500, CLASSE CL 55 AMG, CLASSE CLK 320, CLASSE CLK 350, CLASSE CLK 430, CLASSE CLK 500, CLASSE CLK 55 AMG, CLASSE E 240, CLASSE E 320, CLASSE E 420, CLASSE G 320, CLASSE G 55 AMG, CLASSE ML 320 CDI, CLASSE ML 350 CDI, CLASSE ML 430, CLASSE ML 500, CLASSE ML 55 AMG, CLASSE S 500, CLASSE S 55 AMG, CLASSE S 600, CLASSE S 65, CLASSE SL 500, CLASSE SLK 55 AMG, CLASSE SLR 722, CLASSE T **PEUGEOT** BOXER **SKODA** OCTAVIA 2.0 **VOLKSWAGEN** TOURAN 1.9TDI



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-302-12V	BOSCH - WAPSA		2004336090,RE526375,RE527400,SE501868, 2004336094,2004336096,2004336097

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001260001, 0001260002, 0001260003, 0001260004, 0001260025, 0001260026, 0001262001, 0001262002, 0001262003, 0001262004, 0001262005, 0001262006, 0001262007, 0001262008, 0001262019, 0001262020, 0001262021, 0001262022, 0001262029, 0001262030, 0001262031, 0001262032, 0001262033, 0001262034	6,5 x 28,0 x 18,0

APLICAÇÕES

CASE TRATOR JX85, TRATOR JX90, TRATOR JX95, TRATOR JXU105, TRATOR JXU95 **JOHN DEERE** 6090 MC, 6100 MC, 6105M 77KW/ 105PS 0.0L 08.2012 -, 6105M 85KW/ 115PS 4.5L 08.2012 -, 6105R 77KW/ 105PS 4.5L 08.2012 -, 6110 MC, 6115M 85KW/ 116PS 4.5L 08.2012 -, 6115R 85KW/ 115PS 4.5L 01.2012 -, 6125M 92KW/ 125PS 0.0L 08.2012 -, 6125M 92KW/ 125PS 4.5L 08.2012 -, 6125R 92KW/ 125PS

4.5L 01.2012 -, 6130 61-63KW/ 83-86PS 4.5L 12.2009 -, 6130M 4.5 96KW/ 130PS 4.5L 09.2009 -, 6130R 92KW/ 125PS 4.5L 09.2009 -, 6140M 103KW/ 140PS 4.5L 09.2009 -, 6140R 103KW/ 140PS 6.8L 09.2012 - 6150M 110KW/ 150PS 6.8L 09.2012 -, 6150R 110KW/ 150PS 6.8L 09.2012 -, 6170M 125KW/ 170PS 6.8L 09.2012 -, 6170R 125KW/ 170PS 6.8L 09.2012, 6190R 140KW/ 190PS 6.8L 01.2012 -, 6210R 155KW/

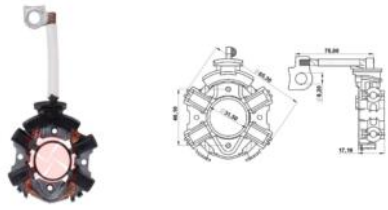
210PS 6.8L 01.2012 -, 6230 70KW/ 95PS 4.5L 12.2009 -, 6510 77KW/ 104PS 6.8L 01.1997 -, 6520 85KW/ 115PS 6.8L 01.2002 -, 6610 84KW/ 114PS 6.8L 01.1997 -, 6620 92KW/ 125PS 6.8L 01.2002 -, 6810 92KW/ 125PS 6.8L 01.1997 -, 6820 99KW/ 135PS 6.8L 01.2002 -, 6910 103KW/ 140PS 6.8L 01.1997 -, 6920 110KW/ 150PS 6.8L 01.2002 -, RC 66KW/ 90PS 4.5L 01.2013 -, RC 74KW/ 100PS 4.5L 01.2013 -, RC 81KW/ 110PS 4.5L 01.2013 - **KOMATSU** RETROESCAVADEIRA WD97S **NEW HOLLAND** TRATOR T6

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-306-12V	BOSCH - WAPSA		6033AD3267

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001230004, 0001230007, 0001230030	5,5 x 28,0 x 18,0

APLICAÇÕES

IVECO VERTIS 130V18, VERTIS 130V19, VERTIS 90V16, VERTIS 90V18 **NEW HOLLAND** TRATOR TL100, TRATOR TL70, TRATOR TL80, TRATOR TL90

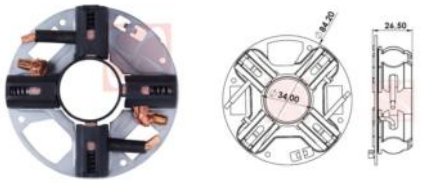


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-307-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001121439, 0001121440, 1004337027, 51865316	4,5 x 12,0 x 11,5

APLICAÇÕES

FIAT BRAVO, DOBLO 1.8 MPI 16V FLEX, DOBLO ADVENTURE LOCKER 1.8 MPI 16V FLEX, GRAND SIENA 1.6 DUALOGIC, GRAND SIENA 1.6 FLEX, IDEA 1.4 FLEX, IDEA 1.6 16V FLEX, IDEA 1.8 16V FLEX IDEA ADVENTURE 1.8 16V FLEX, LINEA, PALIO 1.6 16V FLEX, PALIO 1.6 MPI 16V FLEX, PALIO ADVENTURE 1.8 16V FLEX, PALIO WEEKEND 1.6 FLEX, PUNTO 1.4 FLEX, PUNTO 1.6 16V FLEX, PUNTO 1.8 16V FLEX, SIENA 1.6 MPI 16V FLEX, STRADA 1.6 FLEX, STRADA 1.8 MPI 16V FLEX, STRADA ADVENTURE 1.8 FLEX

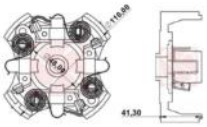


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-311-12V	BOSCH - WAPSA		0399D57009

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001250003, 0001250004, 5801577138, 5802070261, F002G70691	6,0 x 22,0 x 15,0

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **IVECO** TRATORES **NEW HOLLAND** MINI CAVADEIRAS, TRATORES



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-347-12V	BOSCH - WAPSA		2005854136,2005854084,2005854053,134092, 69-9102

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001358200, 0001358201, 0001358202, 0001359001, 0001359002, 0001359003, 0001359008, 0001359010, 0001359012, 0001359013, 0001359014, 0001359016, 0001359018, 0001359019, 0001359020, 0001359023, 0001359024, 0001359025, 0001359026, 0001359027, 0001359030, 0001359031, 0001359032, 0001359033, 0001359034, 0001359035, 0001359037, 0001359038, 0001359041, 0001359043, 0001359044, 0001359045, 0001359046, 0001359049, 0001359051, 0001359053, 0001359054, 0001359055, 0001359056, 0001359057, 0001359058, 0001359059, 0001359060, 0001359061, 0001359063, 0001359064, 0001359066, 0001359067, 0001359068, 0001359069, 0001359070, 0001359071, 0001359072, 0001359073, 0001359074, 0001359075, 0001359076, 0001359077, 0001359078, 0001359081, 0001359082, 0001359083, 0001359084, 0001359085, 0001359086, 0001359087, 0001359088, 0001359089, 0001359090, 0001359091, 0001359092, 0001359093, 0001359094, 0001359095, 0001359096, 0001359097, 0001359098, 0001359099, 0001359101, 0001359102, 0001359103, 0001359104, 0001359105, 0001359106, 0001359107, 0001359108, 0001359109, 0001359110, 0001359111, 0001359112, 0001359113, 0001359114, 0001359115, 0001359116, 0001359117, 0001359118, 0001359119, 0001359120, 0001359121, 0001359122, 0001359124, 0001359126, 0001359127, 0001359128, 0001360009, 0001360013, 0001360016, 0001360023, 0001360024, 0011519401, 0021519401, 0025841042, 0031510501, 0031517301, 0031518701, 0041512201, 1542195, 1545417, 50.26201-7078, 5000049124, 5000559361, 5001014187, 5001759, 5010090371, 715F-11000-MA, 755F-11000-BB, 795F-11000-CA, 835F-11000-AA 835F-11000-BB, 9000143100, 9000143101, 9000143103, 9000143104, 9000143105, 9000143106, 9000143107, 9000143108, 9000143109, 9000143110, 9000143111, 9000143112, 9000143113, 9000143114, 9000143115, 9007044002, A5.00055-9361, AR70436	10,0 x 25,0 x 23,5

APLICAÇÕES

ATLASCOPCO ST352.8(1973-1986), ST483.8(1973-1986), STS352.8(1973-1986), STS483.8(1973-1986) **CASE** 321(1986), 3220(1994-1997), 3230(1994-1997), 380B(1981-1987), 380CK(1973-1980), 385(1984-1990), 395(1991-1993), 420(1976), 4210(1994-1997), 4230(1994-1997), 4240(1994-1997), 431(1960-1969), 433(1977->), 454(1971-1975), 474(1973-1975), 484(1977-1982), 485(1985-1990), 4854(1988->), 485XL(1982-1991), 495(1991-1994), 531(1960-1969), 533(1977->), 574(1971-1976), 580F, 584(1977-1982), 585XL(1982-1991), 595(1991-1994), 644(1972-1995), 644A(1985-1995), 674(1973-1981), 684(1977-1982), 685XL(1982-1991), 695(1991-1994), 784(1977-2008), 833(1981->), 833A(1981->), 841, 844A(1986-1995), 844S(1986-1995), 844SA(1986-1995), 885(1981-1990), 885XL(1983-1990), 895(1991-1994), 995(1991-1994), CS1104.4(1997-2003), CS1306.6(1997-2003), CS683.3(1998-2008), CS753.3(1998-2005), CS784.4(1998-2003), E833(1986->), E833A(1986->), IH1046(1974-1979), IH1056(1982-1985), IH1246(1974-1979), IH644(1974-1986), IH844(1974-1990), IH946(1974-1979), IH956XL(1982-1990), V433(1986->), V533(1986->) **CATERPILLAR-CLAAS** 85(1974-1985) **DAVID-BROWN** 1410, 1412 **DENNIS** BULKMASTER50/70(1972-1979) **DEUTZ-FAHR** D68073.8DIESEL(1986-1991), D70073.8DIESEL(1986-1991), DX3.102.8DIESEL(1986-1991), DX3.302.8DIESEL(1986-1991), DX3.503.1DIESEL(1986-1991), DX3.603.8DIESEL(1986-1991), DX3.703.8DIESEL(1986-1991), DX3.804.1DIESEL(1986-1991), DX3.904.1DIESEL(1986-1991), DX4.103.8DIESEL(1986-1992), DX4.304.1DIESEL(1986-1991), DX4.314.1DIESEL(1986-1991), DX4.504.1DIESEL(1986-1991), DX4.514.1DIESEL(1986-1991), DX4.704.1DIESEL(1986-1991), DX6.055.7DIESEL(1986-1991), DX6.306.1DIESEL(1986-1991), DX6.316.0DIESEL(1990-1991), DX6.506.1DIESEL(1986-1991), DX6.606.0DIESEL(1988-1991), DX7.106.1DIESEL(1986-1991), INTRAC6.306.0TD(1989-1991), M10804.7DIESEL(1981-1991), M12025.7DIESEL(1980-1991), M23855.7DIESEL(1982-1991), M33603.8(1987-1991), M9803.8DIESEL(1981-1991) **DIVERSAS** 8200(1990->) **FENDT** 105S4.2DIESEL(1977-1992), 300SERIES4.2DIESEL(1980->), 6005.7DIESEL(1978->), 6105.7DIESEL(1978->), 6116.2DIESEL(1976->), 6126.2DIESEL(1976->), 6146.2DIESEL(1978->) **FIAT** 100.905.4DIESEL(1984-1988), 110.905.9DIESEL(1986-1988), 115.905.9DIESEL(1984-1988), 130.905.9DIESEL(1984-1988), 140.905.9DIESEL(1984-1988), 160.908.1DIESEL(1984-1988), 180.908.1DIESEL(1984-1988), 65.463.6DIESEL(1985-1988), 65.663.6DIESEL(1987-1988), 65.903.6DIESEL(1987-1988), 70.653.6DIESEL(1984-1988), 70.663.6DIESEL(1984-1988), 70.903.6DIESEL(1984-1988), 80.653.9DIESEL(1984-1988), 80.663.9DIESEL(1987-1988), 80.903.9DIESEL(1984-1988), 85.553.9DIESEL(1984-1988), 850, 880(1978-1984), 90.904.9DIESEL(1984-1988), 95.554.9DIESEL(1984-1988) **FORD** 2000(1964-1975), 2600(1975-1981), 2910(1981-1984), 3000(1964-1975), 3600(1975-1981), 3610(1981-1984), 4000(1964-1975), 4100(1975-1981), 4110(1981-1989), 4130(1990-1995), 4600(1975-1981), 4610(1981-1989), 4830(1990-1993), 5000(1965-1975), 5600(1975-1981), 5610(1981-1991), 5640(1992-1997), 655, 655C, 6600(1975-1981), 6610(1981-1988), 6640(1992-1997), 6700(1976-1981), 6710(1981-1988), 7000(1972-1975), 7600(1975-1977), 7610(1982-1988), 7700(1976-1981), 7710(1981-1988), 7740(1992-1997), 7810(1988-1991), 7840(1992-1997), 8100(1979-1981), 8210(1982-1991), 8240(1992-1996), 8340(1992-1997), 8340T(1994-1997), 8600(1973-1976), 8630(1990-1993), 8700(1977-1979), 8730(1990-1993), 8830(1990-1993), 9600(1973-1976), 9700(1977-1979), TRANSIT2.4DIESEL(1977-1984), TRANSIT2.5DIESEL(1983-1991), TRANSIT2.5DIESELDI(1991-1996), TRANSIT2.5DTI(1994-1996), TRANSIT2.5TD(1991-1996), TW-10(1979-1982), TW-15(1983-1987), TW-20(1979-1982), TW-25(1983-1989), TW-30(1979-1982), TW-35(1983-1989) **HATZ** ENGINE(1972-1980), ESTACIONÁRIO1.4(1977-1989), ESTACIONÁRIO2.850(1977-1989), ESTACIONÁRIO2.851(1977-1989) **HEDEN** 345, FC1000 **HURLIMANN** 476(1988-1991), 488T(1986-2001), 496T(1984-1989), 6115(1989-2004), 6135(1989-2004), 6165(1991->), 6190(1992->) **HYDREMA** 505 **HYMAC** 105(1970-1972), 270(1970->), 307(1970-1973), 308(1970-1973), 370(1970-1973), 505(1970-1973), 570(1970-1973), 605(1970-1973) **INTERNATIONAL** 100B(1972-1985), 125B(1972-1985), 221(1976-1981), 240(1976-1981), 250(1976-1981), 260(1976-1981), 270(1976-1981), 321(1972-1985), 3400(1975-2008), 3500(1975-2008), 3964YUMBO(1971-1985), 3965YUMBO(1971-1985), 3980YUMBO(1971-1985), 431(1972-1985), 474(1973-

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1982), I-454(1972-1976), I-574(1972-1976), I-674(1972-1976), TD100B(1972-1985), TD1046(1972-1985), TD1246(1972-1985), TD125B(1972-1985), TD221(1972-1985), TD-240(1976-1981), TD-250(1976-1981), TD-260(1976-1981), TD-270(1976-1981), TD321(1972-1985), TD-3400(1975-2008), TD-3500(1975-2008), TD3654(1972-1985), TD553(1972-1985), TD554(1972-1985), TD644(1972-1985), TD644A(1972-1985), TD654(1972-1985), TD654A(1972-1985), TD724(1972-1985), TD744(1972-1985), TD824(1972-1985), TD834(1972-1985), TD844(1972-1985), TD8B(1972-1985), TD946(1972-1985) **IVECO** 80413.9(1986-

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3130(1972-1979), 3140(1979-1982), 3140(1982-1986), 3350(1985-1992), 3640(1984-1985), 3650(1985-1992), 60104.5(1998-2002), 64104.5(1998-2002), 925(1974-1978), 930(1975-1979), 932(1979-1983), 935(1974-1979), 940(1979-1986), 942(1979-1983), 952(1977-1983), 965(1975-1983), 975(1975-1981) **KHD** MOTOR2.8DIESEL(1986-1991), MOTOR3.8DIESEL(1989-1991), MOTOR5.7DIESEL(1990-1991) **LAMBORGHINI** 105DIESELFORMULA(1989-1999), 11065.5DIESEL2M(1984-1999), 1156.0DIESELFORMULA(1989-1999), 115FORMULA(1989-1999), 13065.5TDDT(1984-1999), 135FORMULA(1989-1999), 15066.8TD(1984-1999), 17066.8TD(1984-1999), 6603.1DIESEL(1987-1999), 660F3.0DIESEL(1987-1999), 674-70(1986-1999), 774-80(1986-1999), 775F3.0DIESELPLUS(1991-1999), 874-90(1986-1999), 956-

2RM5.5DIESEL(1984-1999), 956DT5.5DIESEL(1984-1999), C603(1973-1976), C6643.1DIESEL(1987-2000), R360(1968-1971), R470(1968-1971), R480(1968-1971), R613DT(1982-1988), R704(1973-1978), R724F(1986), R754(1982-1985), R804(1973-1978), R804DT4.6(1979), R904(1973-1978), R904DT5.0(1979), R955DT(1979-1985) **LANDINI** ATLAS754.0 **LEYLAND** 245(1974-1977), 262(1976-1979), 270(1974-1976), 285(1977-1979) **MARSHALL** D135, D150 **MASSEY-FERGUSON** AA550, AA660, ATLAS754.0, MF200, MF2600, MF3065(1986->), MF34, MF38, MF383(1986->), MF400, MF400X, MF4200, MF-50(1970-1971), MF500 **MERCEDES-BENZ** 10005.7(1977-1988), 10005.7(1982-1987), 10006.0(1987-1991), 10006.0(1988->), 1005.7(1977->), 10135.7(1976-1986), 10175.7(1973-1996), 11005.7(1977->), 11005.7(1977-1988), 11005.7(1979-1987), 11006.0(1987-1991), 1104.0(1992->), 1105.7(1977->), 11135.7(1980-1984), 12005.7(1982-1988), 12006.0(1988->), 12135.7(1975-1986), 12146.0(1997-2005), 1214C4.0(1997-2005), 12175.7(1973-1996), 12505.7(1984-1988), 12506.0(1988->), 1255.7(1977-1988), 13005.7(1977-1988), 13006.0(1982-1991), 1304.0(1992->), 13506.0(1988->), 14006.0(1982-1991), 14006.0(1988->), 1404.0(1992->), 14135.7(1975-1984), 14146.0(1989-1999), 14175.8(1975-1984), 14186.0(1989-1999), 1418E6.0(1989-1993), 1418E6.0(1989-1999), 1418K6.0(1989-1999), 14206.0(2001-2005),

14506.0(1988->), 15005.7(1977-1988), 15005.7(1980-1987), 15506.0(1988->), 16006.0(1988->), 16006.0(1990-1991), 16135.7(1973-1996), 16146.0(1989-1999), 16175.7(1973-1996), 16506.0(1988->), 17005.7(1978-1988), 17006.0(1988->), 1714K6.0(1991-2001), 1721S6.0(1992-2004), 1723S6.0(1998-2005), 17506.0(1988->), 21006.0(1989->), 21506.0(1989->), 24006.0(1991->), 24506.0(1991->), 543.8, 6083.8, 6135.7(1977-1988), 663.8, 7003.8(1976-1987), 7003.8(1979-1987), 7004.0(1987-1992), 703.8(1973-1975), 7093.8(1977-1984), 7124.0(1992-2002), 723.8, 8003.8(1976-1987), 8004.0(1987-1992), 803.8, 805.7, 8083.8, 8093.8, 8135.7, 845.7, 9003.8(1981-1987), 9004.0(1987-1992), 905.7, 9115.7, 9124.0(1988-2003), 9135.7, 9144.0(1988-2003), U10005.7(1977-1984), U1000T5.7(1977-1982), U11005.7(1977-1987), U1100L5.7(1977-1987), U1100T5.7(1989->), U11505.7(1988->), U1150L5.7(1988->), U13005.7(1977-1980), U1300L5.7(1977-1984), U15005.7(1977-1980), U1500T5.7(1977-1980), U17005.7(1978-1980), U1700L5.7(1978-1980), U800L3.8(1981-1988), U9005.7(1988->), U9006.0(1988->) **MERCRUISER** D4.2LD4.2(2004-2005), D4.2SD4.2(1994-2004), MI2004.2(2004-2005), MS2004.2(2004-2005) **MWM** 19(1972->), 21(1972->), 51(1972->), 53(1972->), 95(1972->) **NEW-HOLLAND** 4630(1990-1997), 5640(1992-1997), 6640(1992-1997), 7740(1992-1997), 7840(1992-1997), 8040(1985->), 8240(1992-1996), 8340(1992-1997), 8340T(1994-1997) **RENAULT**
135.084.1(2000->), 135.094.1(2000->), 135.104.1(2000->), 150.084.1(2000->), 150.094.1(2000->), 150.104.1(2000->), 150.124.1(2000->), 180.084.1(2001->), 180.086.2(2000->), 180.096.2(2000->), 180.106.2(2000->), 180.124.1(2001->), 180.126.2(2000->), 210.086.2(2000->), 210.096.2(2000->), 210.106.2(2000->), 210.126.2(2000->), 210.136.2(2000->), 210.146.2(2000->), 210.156.2(2000->), 210.166.2(1996->), 210.186.2(1996->), 220.086.2(2000->), 220.106.2(2000->), 220.136.2(2000->), 220.146.2(2000->), 220.156.2(2001->), 220.166.2(2000->), 220.186.2(1996->), 250.126.2(2000->), 250.136.2(2000->), 250.146.2(2000->), 250.156.2(2000->), 250.166.2(1996->), 250.186.2(1996->), 250.196.2(1996->), 270.126.2(2001->), 270.136.2(2001->), 270.166.2(2001->), 270.186.2(2000-2003), CLR230.196.2(1990-1998), DISTRIBUTION210.19D6.2(1996->), G170.115.5(1983-1990), G170.135.5(1983-1990), G170.155.5(1983-1990), G170.165.5(1983-1990), G170.175.5(1983-1990), G200.136.2(1991-1993), G200.156.2(1990-1993), 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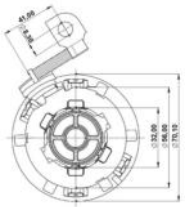
S170.145.5(1983-1989), S170.155.5(1982-1993), S180.086.2(1992-2000), S180.096.2(1992-2000), S210.086.2(1995-2000), S210.096.2(1995-2000), S220.116.2(1987-1990), S220.136.2(1987-1990), S220.146.2(1987-1990) **RENAULT-PERKINS** 1004-44.0 **SAME** ANTARES110(1989-1994), ANTARES130(1989-1994), ARIETE5.0(1967-1971), BUFFALO120(1975-1978), DRAGO(1973-1978), DRAGO5.4(1971-1977), EXPLORER704.0DIESEL(1986->), EXPLORER75(1985-1986), EXPLORER804.0DIESEL(1986->), EXPLORER85(1985-1986), EXPLORER904.0DIESEL(1986->), FRUTTETO753.0DIESEL(1991->), GALAXY170(1983-1991), HERCULES160(1979-1983), LASER110(1983-1987), LASER1105.7DIESEL(1988->), LASER130(1983-1987), LASER1306.2DIESEL(1988->), LASER150(1983-1987), LASER1506.2DIESEL(1988->), PANTHER(1975-1977), SOLAR603.1DIESEL(1986->), TITAN160(1992-1994), TITAN190(1992-1994) **SAMPOROSENLEW** SR2035, SR2045, SR2055, SR2065, SR2075, SR2085, SR30456.6, SR30656.6 **SCANIA** 222(1961-1979), 225(1961-1979), 47(1961-1979), 63(1961-1979), 82H/2107.8(1981-1986), 82M/1907.8(1982-1988), 82M/2107.8(1981-1986), 92H/2458.5(1985-1986), 92H/2458.5(1987-1988), 92H/2758.5(1985-1986), 92H/2758.5(1987-1988), 92M/2458.5(1985-1986), 92M/2458.5(1987-1988), 92M/2758.5(1985-1986), 92M/2758.5(1985-1988), 92M/2758.5(1987-1988), 93H/2208.5(1991-1996), 93H/250(1990-1996), 93H/2508.5(1988-1989), 93H/2508.5(1990-1996), 93H/2808.5(1991-1996), 93M/210(1988-1991), 93M/220(1991-1996), 93M/230(1988-1989), 93M/230(1990-1991), 93M/250(1988-1989), 93M/250(1990-1996), 93M/280(1988-1989), 93M/280(1990-1996), 94C/2609.0(1996-2008), 94C/3109.0(1996-2008), 94D/2209.0(1996-2008), 94D/2609.0(1996-2008), 94D/3109.0(1996-2008), 94D/3109.0(1998-2008), 94G/2209.0(1996-2008), 94G/2209.0(1998-2008), 94G/2609.0(1996-2008), 94G/2609.0(1998-2008), 94G/3109.0(1996-2008), 94L/3109.0(1996-2008), T93H/2808.5(1991-1996) **STEYR** 1100A6.0(1971-1977), 11086.0, 1400A6.0, 81105.2(1984->), 81305.2(1984->), 81406.6(1977-1981), 8150A6.6(1982->), 8160A6.3(1974-1981), 8165A6.6(1986->), 8170A6.6(1981-1988), 980A4.4(1976-1977), 988A4.4(1977-1979) **TCM** FC3024 **THWAITES-MACH** DM(1976-1977), MIDLINERCS5.5(1990-1999), MIDLINERCS6.2(1990-1999), MIDLINERCS8.8(1991-1996), MIDLINERCS9.8(1991-1996), MIDLINERMS5.5(1991-1996), MIDLINERMS6.2(1991-1996), MIDLINERMS8.8(1991-1996), MIDLINERMS9.8(1991-1996) **URSUS** 1614(1981-1989), C-330M, C-335, C-360 **VALMET** 255, 355, 365S, 455, 465, 5042.7(1981-1994), 565, 6043.3(1981-1994), 6100, 63004.4, 6400, 6600, 665S, 67504.4, 6800, 68504.4, 800, 8000, 80506.6(1996->), 8054.4(1982-1994), 805-44.4(1982-1994), 8100(1990->), 8150, 8350, 8400(1990->), 84506.6(1996->), 85507.4, 865, 8750(1998->), 89507.4(1998->), 9004.4, C100, C15, C20, C200 **VM** ESTACIONÁRIO2.1235(1985->), ESTACIONÁRIO2.8279(1986->), ESTACIONÁRIO2.8282(1989->), ESTACIONÁRIO3.5(1984-1990) **VOLVO** 26505.5(1979-1982), 26545.5(1979-1982), 44005.5(1976-1979), 8615.5(1979-1986), D45(1983-1994), F406(1978-1986), F4063.9(1975-1986), F407(1978-1986), F4073.9(1975-1986), F408(1978-1986), F409(1978-1986), F6095.5(1975-02.1980), F6105.5(1980-1986), F6115.5(1975-1986), F6125.5(1983-1986), F6135.5(1975-02.1986), F6135.5(1975-1986), F6145.5(1975-1986), F615S5.5(1978-1981), F6165.5(1981-1986), F617S5.5(1978-1986), F7(1978-1981), F76.7(1978-1985), FL250-85.5(2000->), FL6085.5(1985-1999), FL6105.5(1985-1994), FL6115.5(1985-2000), FL6125.5(1985-1999), FL6145.5(1985-2000), FL6155.5(1991-2000), FL6185.5(1991-2000), FL6195.5(1985-1994), LM2184.0(1961-1970), LM218TD4.0(1961-1970), LM6214.0(1973-1978), LM6414.0(1973-1978), LM8415.5(1976-1979), LM8455.0(1971-1973), LM8465.5(1976-1979), N76.7(1973-1980), SM8685.0(1970-1974), SM9805.0(1971-1976), T400BUSTER(1968-1970), T430(1969-1978), T6504.0(1970-1982), T7004.0(1976-1982) **ZETOR** 10011(1975-1980), 10045(1975-1980), 10211(1991-1992), 10245(1991-1992), 12011(1969-1980), 47122.5(1974-1977), 8011(1968-1987), 8045(1969-1980), 9211(1990-1997), 9245(1990-1997)

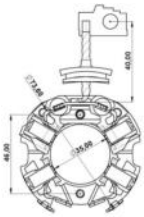


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-365-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001174011, 52115072F109	4,5 x 16,8 x 12,5

APLICAÇÕES

FIAT TORO DIESEL **JEEP** COMPASS DIESEL., RENEGADE DIESEL

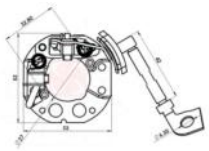


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-375-12V	BOSCH - WAPSA		1004336838

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001116001, 0001116003, 0001116005, 0001116006, 0001116008, 0001116009	8,4 x 4,8 x 11,7

APLICAÇÕES

CITROEN BERLINGO 1.1 I (1996-2008), BERLINGO 1.4 BIVALENT (2002-2011), BERLINGO 1.4 I (1996-2011), BERLINGO 1.4 I (1996-2011) CITROEN: BERLINGO 1.4 I BIVALENT (2003-2005), BERLINGO 1.4 I BIVALENT (2003-2008), BERLINGO 1.6 16V (2000-2011), BERLINGO FIRST 1.1 I (1996-2008), BERLINGO FIRST 1.4 BIVALENT (2002-2011), BERLINGO FIRST 1.4 I (1996-2011), BERLINGO FIRST 1.4 I BIVALENT (2003-2005), BERLINGO FIRST 1.4 I BIVALENT (2003-2008), BERLINGO FIRST 1.6 16V (2000-2008), C2 1.1 (2003->), C2 1.4 (2003->), C2 1.4 16V (2006->), C2 1.6 (2003->), C3 1.1 I (2002->), C3 1.4 16V (2003->), C3 1.4 I (2002->), C3 1.4 I BIVALENT (2002->), C3 1.6 16V (2002->), C3 PLURIEL 1.4 (2003->), SAXO 1.0 X (1996-2003), SAXO 1.1 SX (1996-2003), SAXO 1.1 X (1996-2003), SAXO 1.4 VTS (1996-2003), SAXO 1.6 VTL (1996-2003), SAXO 1.6 VTR (1996-2003), SAXO 1.6 VTS (1996-2003), XSARA 1.4 I (1997-2005), XSARA 1.6 16V (2000-2005), XSARA 1.6 I (1997-2005), XSARA PICASSO 1.6 (1999->)
FIAT
BRAVA 1.2 16V (1998-2000), CINQUECENTO 1.1 SPORTING (1994-1998), MAREA 1.2 16V (1998->), PUNTO 1.1 (1995-1999), PUNTO 1.1 I.E. (1993-1999), PUNTO 1.2 (1994-1999), PUNTO 1.2 16V (1997-1999), PUNTO 1.2 NATURAL POWER (2003->), SEICENTO 1.1 (1998->), SIENA 1.2 (1998->) **LANCIA** Y 1.1 (1995-2000), Y 1.2 (1996-2003), Y 1.2 16V (1997-2000), Y10 1.1 AVENUE (1995-1995), Y10 1.1 AVENUE 4WD (1995-1995), Y10 1.1 I.E. FIRE (1992->), Y10 1.1 I.E. FIRE 4WD (1992-1995). **NISSAN** ALMERA 1.5 (2000-2006), ALMERA 1.8 (2000-2006), ALMERA TINO 1.8 (2000-2006), ALMERA TINO 2.0 (2000-2003), MICRA 1.0 I 16V (1992-2003), MICRA 1.4 I 16V (2000-2003), PRIMERA 1.6 (2002-2008), PRIMERA 1.6 16V (1996-2002), PRIMERA 1.8 (2002-2008), PRIMERA 1.8 16V (1999-2002) **PEUGEOT** 106 1.0 I (1996-2001), 106 1.1 I (1996-2004), 106 1.4 I (1996-2004), 106 1.6 I (1996-2001), 106 1.6 S16 (1996-2004), 206 1.1 I (1998->), 206 1.4 (2007->), 206 1.4 16V (2003->), 206 1.4 I (1998->), 206 1.6 16V (2000->), 206 1.6 I (1998-2000), 206 CC 1.6 16V (2000->), 206 SW 1.1 (2002->), 206 SW 1.4 (2002-2007), 206 SW 1.4 16V (2003->), 206 SW 1.6 16V (2002->), 306 1.1 (1993-2001), 306 1.4 (1993-2001), 306 1.4 SL (1994-2001), 306 1.6 (1993-2002), 306 1.6 SR (1994-2000), 307 1.4 (2000->), 307 1.4 16V (2003-2007), 307 1.6 16V (2000-2007), 307 SW 1.6 16V (2002-2008), PARTNER 1.1 (1996-2005), PARTNER 1.1 COMBISPACE (1996-2002), PARTNER 1.4 (1996-2015), PARTNER 1.4 COMBISPACE (1996-2015), PARTNER 1.6 16V COMBISPACE (2001-2008)**RENAULT** CLIO 1.2 (1996->), CLIO 1.2 16V (2001-2007), CLIO 1.4 16V (2005->), CLIO GRANDTOUR 1.2 16V (2008->), GRAND MODUS 1.2 (2004-2005), GRAND MODUS 1.5 DCI (2004->), KANGOO 1.2 (1997->), KANGOO 1.2 16V (2001->), KANGOO 1.2 16V EXPRESS (2001->), KANGOO 1.2 EXPRESS, MODUS 1.2 (2004-2005), MODUS 1.5 DCI (2004->), THALIA 1.2 16V (2002->), TWINGO 1.2 (1996-2007), TWINGO 1.2 16V (2001-2007), TWINGO 1.2 TURBO (2007->)

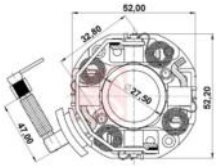


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-032-12V	COMSTAR		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
233004485B, 233004485R, 233004485R-B, 233006904R, 7045CM, 7070AI, 7082CI	5,2 x 12,9 x 11,2

APLICAÇÕES

RENAULT DUSTER, KWID 1.0, LOGAN 1.0, SANDERO 1.0

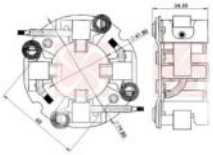


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-036-12V	COMSTAR		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
233004485B, 233004485R, 233004485R-B, 233006904R, 7045CM, 7070AI, 7082CI	5,2 x 12,9 x 11,2

APLICAÇÕES

OBSERVAÇÕES A-032-12V com 4 escovas. Desenvolvido para aplicações no qual exigem maior durabilidade. **RENAULT** DUSTER, KWID 1.0, LOGAN 1.0, SANDERO 1.0



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-002-12V	DELCO-REMY	38MT	10528064

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461768, 10461769, 10461775, 19026027, 19026028, 19026029, 19026031, 19026035, 8200005, 8200007, 8200023, 8200025, 8200075, 8200076, 8200077, 8200211, 8200217, 8200235, 8200239, 8200324, 8200356, 8200408, 8200977, 8201002, 8201039, 8300005, 8300021, 8300022, 8300024, 8300026, 8300065, 8300066	9,5 x 28,0 x 22,0

APLICAÇÕES

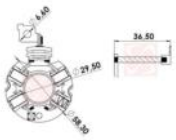
CUMMINS MOTOR C 8.3L, MOTOR ISC 8.3L **FORD** CAMINHÕES CARGO 1622 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 1630 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2422 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2425 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2622 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2626 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2630 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 2631 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 3222 C/ MOTOR CUMMINS 8.3L, CAMINHÕES CARGO 4030 C/ MOTOR CUMMINS 8.3L, CARGO MOTOR CUMMINS ELETRÔNICO **FREIGHTLINER** CASCADIA COM MOTOR MBE400, CENTURY COM MOTOR MBE400 **VOLKSWAGEN** 17220 C/ MOTOR CUMMINS 8.3L, 17310 C/ MOTOR CUMMINS 8.3L, 23210 C/ MOTOR CUMMINS 8.3L, 23220 C/ MOTOR CUMMINS 8.3L, 23310 C/ MOTOR CUMMINS 8.3L, 24220 C/ MOTOR CUMMINS 8.3L, 26220 C/ MOTOR CUMMINS 8.3L, 26260 C/ MOTOR CUMMINS 8.3L, 26310 C/ MOTOR CUMMINS 8.3L

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-026-12V	DELCO-REMY	PG260B	10536527

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
24579009, 8000444, 8000660, PG260B	5,0 x 15,0 x 13,0

APLICAÇÕES

CHEVROLET-GM ONIX 1.0, ONIX 1.4 SPE/4 (SOCH) A PARTIR DE 2012, PRISMA LT, PRISMA LTZ 1.0L, PRISMA LTZ 1.4L SPE/4 (SOCH) A PARTIR DE 2013

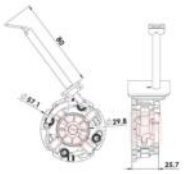


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-027-12V	DELCO-REMY		61007898M

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
24580797, 24581746, 24587020, 61008975P, 8000584, 8000818, PG260A	4,5 x 12,0 x 11,6

APLICAÇÕES

CHEVROLET-GM AGILE, CELTA, CLASSIC, COBALT 1.4 FLEX, COBALT 1.8 FLEX, MONTANA 1.4 FLEX, MONTANA 1.8 FLEX, ONIX 1.4 FLEX, ONIX 1.8 FLEX, PRISMA 1.4 FLEX, PRISMA 1.8 FLEX, SPIN 1.4 FLEX, SPIN 1.8 FLEX **HYUNDAI** HB20 1.0 **KIA** PICANTO 1.0 **SSANGYONG** ACTYON, KYRON

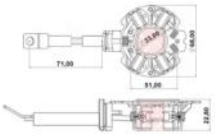


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-038-12V	DELCO-REMY	PG260	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10G0402, 5N1511000AA, 5N1511000AB, 8000071, B10JL07F, DR8000071, PG260	5,0 x 15,0 x 13,0

APLICAÇÕES

CHEVROLET-GM PRISMA 1.0 2006-2014, PRISMA 1.4 2006-2014, PRISMA 1.6 2006-2014 **FORD** ECOSPORT 2.0 16V MECÂNICO 2005 ATÉ 2013, FOCUS 2.0 16V MECÂNICO 2005 ATÉ 2013

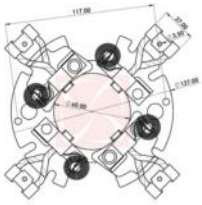


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-042-12V	DELCO-REMY		10453919,WAI:69-121

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10465578, 12564108, 12570823, 3231471, 9000879, PG260L	5,0 x 18,0 x 14,5

APLICAÇÕES

CADILLAC ESCALADE 5.7 (1999-2000), ESCALADE 5.8 (1998->) **CHEVROLET GM** 2500 8.1 (2001-2002), ASTRO 4.3 (1992-2005), AVALANCHE 8.1 (2002->), BLAZER 4.3 (1994-2000), C1500 5.7 (1996-1999), C2500 5.7 (1996-1999), C2500 7.4 (1994-2000), C3500 7.4 (1994-2000), C3500 8.1 (2001->), EXPRESS 5.0 (1999-2002), EXPRESS 5.7 (1999-2002), EXPRESS 7.4 (1999-2000), EXPRESS 8.1 (2001-2002), G10 5.7 (1996-1997), G1500 5.7 (1998->), G20 5.7 (1996-1997), G2500 5.7 (1998->), G30 5.7 (1996->), G30 7.4 (1996->), G3500 5.7 (1998->), G3500 7.4 (1998->), K1500 5.7 (1996-1999), K2500 5.7 (1996-1999), K2500 7.4 (1994-2001), K3500 7.4 (1994-2001), P30 4.3 (1996-1999), P30 5.7 (1996-1999), P30 7.4 (1996-1999), S10 4.3 (1996-1998), SILVERADO 6.0 (1999->), SILVERADO 8.1 (2001-2002), TAHOE 5.7 (1995-2001) **CLARK** EMPILHADEIRAS C/ MOTOR VORTEC 4.3 **DIVERSAS** MERCURY **HYSTER** EMPILHADEIRAS C/ MOTOR VORTEC 4.3 **ISUZU** HOMBRE 4.3 (1997-2000) **OLDSMOBILE** BRAVADA 4.3 (1996-2000) **YALE** EMPILHADEIRAS C/ MOTOR VORTEC 4.3



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
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Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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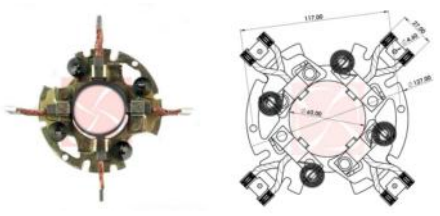
APLICAÇÕES

CATERPILLAR COLHEITADEIRA MT875 (C/ MOTOR 41MT 12V), MOTOR 3114 (C/ MOTOR 37MT 12V), MOTOR 3116 (C/ MOTOR 37MT 12V), MOTOR 3176 (C/ MOTOR 37MT 12V) **FORD** CAMINHÕES CARGO 1622 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 1630 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2422 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2425 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2622 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2626 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2630 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2631 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 3222 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 4030 (C/ MOTOR 37MT 12V CUMMINS 8.3L) **GMC** CAMINHÕES 12170 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 14190 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 15190 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 16220 (C/ MOTOR 37MT 12V CATERPILLAR) **MASSEY FERGUSON** TRATOR MF2360 (C/ MOTOR CUMMINS 41MT 12V) **MERCEDES-BENZ** CAMINHÕES 1625 L (C/ MOTOR 41MT 12V), CAMINHÕES 1825 LG (C/ MOTOR 41MT 12V), CAMINHÕES 2325 L (C/ MOTOR 41MT 12V), CAMINHÕES 2325 LB (C/ MOTOR 41MT 12V), CAMINHÕES 2325 LK (C/ MOTOR 41MT 12V) **VOLKSWAGEN** CAMINHÕES 17220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 17310 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 23210 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 23310 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 24220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26260 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26310 (C/ MOTOR 37MT 12V CUMMINS 8.3L)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-121-24V	DELCO-REMY	37MT/41MT	10469238,10470208,10500113

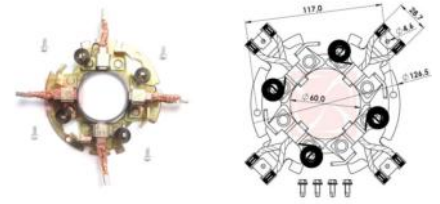
Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461016, 10461201, 10461202, 10461239, 10461257, 10461296, 10461417, 10461457, 10461458, 10461525, 10478815, 10478961, 10479013, 10479172, 10479196, 10479292, 10479302, 10479310, 1993910, 1993911, 1993914, 1993995	9,6 x 28,6 x 24,0

APLICAÇÕES

CASE ESCAVADEIRA350(C/MOTOR37MT24V), ESCAVADEIRA350C(C/MOTOR37MT24V), ESCAVADEIRA880(C/MOTOR37MT24V), ESCAVADEIRA880C(C/MOTOR37MT24V), PÁCARREGADEIRA825SKIDKING(C/MOTOR37MT24V), PÁCARREGADEIRAW10(C/MOTOR37MT24V), PÁCARREGADEIRAW11(C/MOTOR37MT24V), PÁCARREGADEIRAW11B(C/MOTOR37MT24V), PÁCARREGADEIRAW11C(C/MOTOR37MT24V), PÁCARREGADEIRAW14H(C/MOTOR37MT24V), PÁCARREGADEIRAW19(C/MOTOR37MT24V), PÁCARREGADEIRAW8(C/MOTOR37MT24V), PÁCARREGADEIRAW9(C/MOTOR37MT24V), PÁCARREGADEIRAW9B(C/MOTOR37MT24V), PULVERIZADOR(GAFANHOTO)1250(C/MOTOR37MT24V), RETROESCAVADEIRA680(C/MOTOR37MT24V), RETROESCAVADEIRA680G(C/MOTOR37MT24V), RETROESCAVADEIRA780(C/MOTOR37MT24V), RETROESCAVADEIRA780B(C/MOTOR37MT24V), TRATOR1200(C/MOTOR37MT24V), TRATOR800(C/MOTOR37MT24V), TRATORDEESTEIRAS1000D(C/MOTOR37MT24V), TRATORDEESTEIRAS475(C/MOTOR37MT24V), TRATORDEESTEIRAS600(C/MOTOR37MT24V), TRATORDEESTEIRAS750(C/MOTOR37MT24V), TRATORDEESTEIRAS850(C/MOTOR37MT24V) **CATERPILLAR** MOTONIVELADORA120K(C/MOTOR41MT24V), MOTONIVELADORA12K(C/MOTOR41MT24V), MOTONIVELADORA140K(C/MOTOR41MT24V), MOTONIVELADORA160K(C/MOTOR41MT24V), MOTOR3304(37MT24V), MOTOR3306(37MT24V) **CUMMINS** VEÍCULOSC/MOTORCUMMINSSÉRIEC **FORD** VEÍCULOSC/MOTORCUMMINSSÉRIEC **MERCEDES-BENZ** CAMINHÕES1632L(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1632LS(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1634LS(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1938L(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1938LS(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1938S(C/

MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES1944L(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES2638(C/MOTORES37MTE41MT24VC/RELÉ), CAMINHÕES2638LK(C/MOTORES37MTE41MT24VC/

RELÉ), CAMINHÕES2638LS(C/MOTORES37MTE41MT24VC/RELÉ), ÔNIBUSO371(C/MOTOR37MT24V), ÔNIBUSO400(C/MOTOR37MT24V), ÔNIBUSO500R(C/MOTOR41MT24VC/RELÉ), ÔNIBUSO500RSD(C/MOTOR41MT24VC/RELÉ), ÔNIBUSO500RSE(C/MOTOR41MT24VC/RELÉ), ÔNIBUSOF1722(C/MOTORES37MTE41MT24VC/RELÉ), ÔNIBUSOH1628L(C/MOTORES37MTE41MT24VC/RELÉ), ÔNIBUSOH1636L(C/MOTOR37MT24V) **VOLKSWAGEN** CAMINHÕES18310TITANTRACTOR, VEÍCULOSC/MOTORSÉRIEC

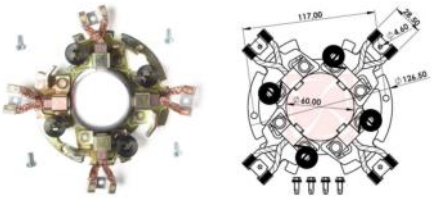


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-122-12V	DELCO-REMY	42MT	1988121

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461063, 10461166, 10461172, 10461266, 10461323, 10461324, 10461331, 10461511, 10461585, 10478809, 10478810, 10478832, 10478935, 10478962, 10478971, 10478984, 10478987, 10478992, 10479019, 10479021, 10479027, 10479030, 10479041, 10479052, 10479080, 10479104, 10479113, 10479117, 10479131, 10479158, 10479159, 10479160, 10479183, 10479191, 10479251, 10479260, 10479282, 10479295, 1990337, 1990348, 1990352, 1990355, 1990372, 1990376, 1990379, 1990385, 1990387, 1990393, 1990394, 1990405, 1990406, 1990420, 1990428, 1990430, 1990483, 1990484, 1990486, 1990489, 1990490, 1993772, 1993775, 1993795, 1993848, 1993938, 1993961, 1993975, 1993990, 8200015, 8200253, 8300079	10,6 x 36,6 x 25,0

APLICAÇÕES

CATERPILLAR EMPILHADEIRA AH40, EMPILHADEIRA AH46, EMPILHADEIRA AH52, EMPILHADEIRA AH60, EMPILHADEIRA AM36, EMPILHADEIRA AM40, EMPILHADEIRA V160, EMPILHADEIRA V160B, EMPILHADEIRA V180, EMPILHADEIRA V180B, EMPILHADEIRA V200, EMPILHADEIRA V200B, EMPILHADEIRA V225, EMPILHADEIRA V250, EMPILHADEIRA V250B, EMPILHADEIRA V300, EMPILHADEIRA V300B, EMPILHADEIRA V330B, ESCAVADEIRA 320D, MOTOR 1140 V8, MOTOR 1145 V8, MOTOR 1150 V8, MOTOR 1160 V8, MOTOR 1670, MOTOR 1673, MOTOR 1674, MOTOR 1676, MOTOR 3208, MOTOR 3304, MOTOR 3306, MOTOR 3406, MOTOR 3408, MOTOR 3412 **CHALLENGER** TRATOR DE ESTEIRAS 65, TRATOR DE ESTEIRAS 70 **CLARK** EMPILHADEIRA C400, EMPILHADEIRA C450, EMPILHADEIRA C500, EMPILHADEIRA C550, EMPILHADEIRA C650, MOTONIVELADORA 301, MOTONIVELADORA 501, PÁ CARREGADEIRA 101, PÁ CARREGADEIRA 125, PÁ CARREGADEIRA 125A, PÁ CARREGADEIRA 125B, PÁ CARREGADEIRA 125III, PÁ CARREGADEIRA 175III, PÁ CARREGADEIRA 275, PÁ CARREGADEIRA 45C, PÁ CARREGADEIRA 55B, PÁ CARREGADEIRA 55C, PÁ CARREGADEIRA 55IIIA, PÁ CARREGADEIRA 75B, PÁ CARREGADEIRA 75C, PÁ CARREGADEIRA 75III, PÁ CARREGADEIRA 75IV, PÁ CARREGADEIRA 85A, PÁ CARREGADEIRA 85CIIIA, PÁ CARREGADEIRA 85II**CUMMINS** MOTOR 855 V8.3L, MOTOR 855 V9.1L, MOTOR L10 V8.3L, MOTOR L10 V9.1L, MOTOR L14 V8.3L, MOTOR L14 V9.1L **DYNAPAC** MÁQUINAS DIVERSAS (C/ MOTORES CUMMINS 8.3L) **HYSTER** EMPILHADEIRA H150, EMPILHADEIRA H150E, EMPILHADEIRA H165, EMPILHADEIRA H165E, EMPILHADEIRA H180, EMPILHADEIRA H180E, EMPILHADEIRA H200, EMPILHADEIRA H200E, EMPILHADEIRA H200ES, EMPILHADEIRA H225, EMPILHADEIRA H225E, EMPILHADEIRA H250A, EMPILHADEIRA H250E, EMPILHADEIRA H300, EMPILHADEIRA H360A, EMPILHADEIRA H360AD, EMPILHADEIRA H400A, EMPILHADEIRA H400AD, EMPILHADEIRA H460AD, EMPILHADEIRA H700, EMPILHADEIRA H800A, EMPILHADEIRA M500, EMPILHADEIRA M600, EMPILHADEIRA P125A, EMPILHADEIRA P150A, EMPILHADEIRA P165A, EMPILHADEIRA P180A **INTERNATIONAL NAVISTAR** CAMINHÕES 9200, CAMINHÕES 9200 - 4X2, CAMINHÕES 9200 - 6X4, NAVISTAR 9000 **JOHN DEERE** COLHEITADEIRA CHT2500B (C/ MOTOR SCANIA), COLHEITADEIRA CHW2500B (C/ MOTOR SCANIA) **MASSEY FERGUSON** COLHEITADEIRA MF34, COLHETAIDEIRA MF38 **TEREX** EMPILHADEIRA 81SH, EMPILHADEIRA 82SH, EMPILHADEIRA 83SH, EMPILHADEIRA 84SH, RASPADOR (SCRAPER) S11E, RASPADOR (SCRAPER) TS14, RASPADOR (SCRAPER) TS14B, RASPADOR (SCRAPER) TTS14



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-123-24V	DELCO-REMY	42MT	1988439

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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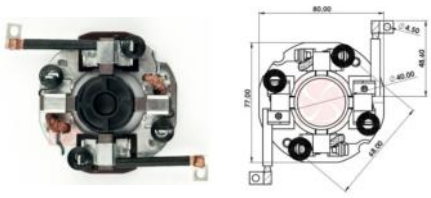
APLICAÇÕES

CASE TRATOR 180 **CATERPILLAR** CAMINHÃO DE MINERAÇÃO (FORA DE ESTRADA) 776, CAMINHÃO DE MINERAÇÃO (FORA DE ESTRADA) 776B, CAMINHÃO DE MINERAÇÃO (FORA DE ESTRADA) 777, CAMINHÃO DE MINERAÇÃO (FORA DE ESTRADA) 777B, COMPACTADOR DE ATERRO 826C, COMPACTADOR DE SOLO 825C, ESCAVADEIRA 215, ESCAVADEIRA 215B, ESCAVADEIRA 215C, ESCAVADEIRA 219, ESCAVADEIRA 225, ESCAVADEIRA 225B, ESCAVADEIRA 227, ESCAVADEIRA 229, ESCAVADEIRA 235, ESCAVADEIRA 235B, ESCAVADEIRA 235C, ESCAVADEIRA 245, ESCAVADEIRA 245D, MOTONIVELADORA 112F, MOTONIVELADORA 120, MOTONIVELADORA 120G, MOTONIVELADORA 120M, MOTONIVELADORA 12F, MOTONIVELADORA 12G, MOTONIVELADORA 130G, MOTONIVELADORA 140, MOTONIVELADORA 140G, MOTONIVELADORA 14E, MOTONIVELADORA 14G, MOTONIVELADORA 16G, MOTONIVELADORA 180M, MOTOR 1670, MOTOR 1673, MOTOR 3304, MOTOR 3306, MOTOR 3406, MOTOR 3408, MOTOR 3412, MOTOR 3508, MOTOR 3512, MOTOR 3516, MOTOR MARÍTIMO 3208, PÁ CARREGADEIRA 910, PÁ CARREGADEIRA 916, PÁ CARREGADEIRA 920, PÁ CARREGADEIRA 926, PÁ CARREGADEIRA 926E, PÁ CARREGADEIRA 930, PÁ CARREGADEIRA 936, PÁ CARREGADEIRA 936E, PÁ CARREGADEIRA 941, PÁ CARREGADEIRA 950 PÁ CARREGADEIRA 950B, PÁ CARREGADEIRA 950E, PÁ CARREGADEIRA 966, PÁ CARREGADEIRA 966C, PÁ CARREGADEIRA 966D, PÁ CARREGADEIRA 966E, PÁ CARREGADEIRA 980, PÁ CARREGADEIRA 980B, PÁ CARREGADEIRA 980C, PÁ CARREGADEIRA 980F, RASPADOR (SCRAPER) 615, RASPADOR (SCRAPER) 615C, RASPADOR (SCRAPER) 621, RASPADOR (SCRAPER) 621B, RASPADOR (SCRAPER) 621E, RASPADOR (SCRAPER) 623B, RASPADOR (SCRAPER) 623E, RASPADOR (SCRAPER) 627, RASPADOR (SCRAPER) 627B, RASPADOR (SCRAPER) 627E, RASPADOR (SCRAPER) 637D, RASPADOR (SCRAPER) 637E, REMOVEDORA DE ÁRVORES FB227, SKIDDER FLORESTAL 508, SKIDDER FLORESTAL 518, SKIDDER FLORESTAL 528, TRATOR 814, TRATOR 814C, TRATOR 815, TRATOR 815B, TRATOR 816, TRATOR 816B, TRATOR 824, TRATOR 824C, TRATOR DE ESTEIRAS 951C, TRATOR DE ESTEIRAS 955K, TRATOR DE ESTEIRAS 955L, TRATOR DE ESTEIRAS 963, TRATOR DE ESTEIRAS 963B, TRATOR DE ESTEIRAS 973, TRATOR DE ESTEIRAS 977K, TRATOR DE ESTEIRAS 977L, TRATOR DE ESTEIRAS 983B **CLARK** EMPILHADEIRA 110, EMPILHADEIRA 110III, EMPILHADEIRA 110III-H, EMPILHADEIRA 180III, EMPILHADEIRA 210I, EMPILHADEIRA 210III, EMPILHADEIRA 210III-H, EMPILHADEIRA 280, EMPILHADEIRA 280III, EMPILHADEIRA 280IIIA **CUMMINS** MOTOR L10 6 CIL. 8.3L, MOTOR L14 6 CIL. 8.3L **FIAT-ALLIS** PÁ CARREGADEIRA FW160, PÁ CARREGADEIRA FW170, PÁ CARREGADEIRA FW200 **TEREX** CAMINHÃO DE MINERAÇÃO (FORA DE ESTRADA) 33-05, EMPILHADEIRA 78SH, PÁ CARREGADEIRA 72-21, PÁ CARREGADEIRA 72-21AA, PÁ CARREGADEIRA 72-31, PÁ CARREGADEIRA 72-31AA, PÁ CARREGADEIRA 72-31B, PÁ CARREGADEIRA 72-31F, PÁ CARREGADEIRA 72-31M, PÁ CARREGADEIRA 72-41, PÁ CARREGADEIRA 72-41AA, PÁ CARREGADEIRA 72-51, PÁ CARREGADEIRA 72-51BA, PÁ CARREGADEIRA 72-61, PÁ CARREGADEIRA 72-61AA, PÁ CARREGADEIRA 72-71, RASPADOR (SCRAPER) S23E, RASPADOR (SCRAPER) TS14, RASPADOR (SCRAPER) TS14 TEREX: RASPADOR (SCRAPER) TS18, RASPADOR (SCRAPER) TS24, RASPADOR (SCRAPER) TS24A, RASPADOR (SCRAPER) TS32, TRATOR DE ESTEIRAS 82-20, TRATOR DE ESTEIRAS 82-30, TRATOR DE ESTEIRAS 82-30B, TRATOR DE ESTEIRAS 82-30FA, TRATOR DE ESTEIRAS 82-30FAM, TRATOR DE ESTEIRAS 82-30FAT, TRATOR DE ESTEIRAS 82-30G, TRATOR DE ESTEIRAS 82-30GA, TRATOR DE ESTEIRAS 82-40, TRATOR DE ESTEIRAS 82-40CA TRATOR DE ESTEIRAS 82-40FAT, TRATOR DE ESTEIRAS 82-80, TRATOR DE ESTEIRAS 82-80DA

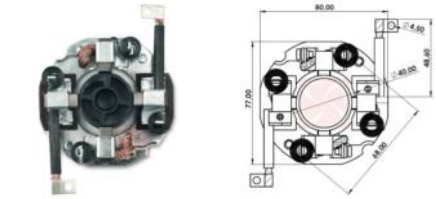


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-133-12V	DELCO-REMY	28MT	10456456,10457603

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10479621, 10479630, 10479634, 10479637, 10479643, 10479644, 10479645, 10479648, 10479651, 1113276	8,0 x 25,0 x 19,5

APLICAÇÕES

ASIA MOTORS BESTA **CASE** RETROESCAVADEIRA 580 L, RETROESCAVADEIRA 580 L SE **CUMMINS** MOTOR 4B 3.9L, MOTOR 4BT 3.9L, MOTOR 6B 5.9L, MOTOR 6BT 5.9L, MOTOR 6BTAA 5.9L **FIAT-ALLIS** PÁ CARREGADEIRA FR12 **FORD** CAMINHÕES F12000 C/ MOTOR CUMMINS, CAMINHÕES F14000 C/ MOTOR CUMMINS **JOHN DEERE** TRATOR 1420 C/ MOTOR 3 CIL, TRATOR 1420 C/ MOTOR 4 CIL, TRATOR 2140, TRATOR 2330 C/ MOTOR 3 CIL, TRATOR 2330 C/ MOTOR 4 CIL, TRATOR 2420 C/ MOTOR 3 CIL, TRATOR 2420 C/ MOTOR 4 CIL, TRATOR 2530 C/ MOTOR 3 CIL, TRATOR 2530 C/ MOTOR 4 CIL, TRATOR 2730 C/ MOTOR 3 CIL, TRATOR 2730 C/ MOTOR 4 CIL, TRATOR 2850, TRATOR 3140, TRATOR 3350, TRATOR 3420 C/ MOTOR 6 CIL, TRATOR 3530 C/ MOTOR 6 CIL, TRATOR 3540, TRATOR 3550, TRATOR 4420 C/ MOTOR 6 CIL, TRATOR 4530 C/ MOTOR 6 CIL, TRATOR 5010 C/ MOTOR 4.5L 4 CIL, TRATOR 5600 C/ MOTOR 3.9L 4 CIL, TRATOR 5700 C/ MOTOR 3.9L 4 CIL, TRATOR 627 C/ MOTOR 6 CIL, TRATOR 6300 C/ MOTOR 3.9L 4 CIL, TRATOR 6600 C/ MOTOR 5.9L 6 CIL, TRATOR 727 C/ MOTOR 6 CIL **MERCEDES-BENZ** CAMINHÕES 1418 R, CAMINHÕES 1620 L, CAMINHÕES 1720, CAMINHÕES 1720 K, CAMINHÕES 710, CAMINHÕES 712 E, ÔNIBUS O712, ÔNIBUS O812, ÔNIBUS O814, SPRINTER 180, SPRINTER 7T - 709 SPRINTER 9T - 912 **MÜLLER** ROLO COMPACTADOR DTV140, TRATOR TM14

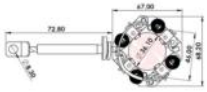


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-134-24V	DELCO-REMY	28MT	10483823,10456456,10457627,10457653

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0001138056, 10479605, 10479623, 10479626, 10479629, 10479650, 10479652, 10479654, 10479655, 1113277, 1113291, 361002B302, A0051512201, A0051517601	8,0 x 25,0 x 19,5

APLICAÇÕES

ASIA MOTORS BESTA **CASE** MÁQUINAS DIVERSAS **CUMMINS** MOTORES **FIAT-ALLIS** MOTONIVELADORA FG140.2 **KOMATSU** ESCAVADEIRA PC200 C/ MOTOR CUMMINS 4B 3.9L, ESCAVADEIRA PC200 C/ MOTOR CUMMINS 4BT 3.9L, ESCAVADEIRA PC200 C/ MOTOR CUMMINS 6B 5.9L, ESCAVADEIRA PC200 C/ MOTOR CUMMINS 6BTAA 5.9L, ESCAVADEIRA PC200(C/ MOTOR CUMMINS 6BT 5.9L **MERCEDES-BENZ** CAMINHÕES 1215, CAMINHÕES 1218 EL, CAMINHÕES 1218 L, CAMINHÕES 1318 L, CAMINHÕES 1418 EL, CAMINHÕES 1418 L, CAMINHÕES 1419, CAMINHÕES 1620 L, CAMINHÕES 1718, CAMINHÕES 1719, CAMINHÕES 1725, CAMINHÕES 1726, CAMINHÕES 1726 4X4, CAMINHÕES 1729 S, CAMINHÕES 2423, CAMINHÕES 2423 B, CAMINHÕES 2423 K, CAMINHÕES 2426 6X2, CAMINHÕES 2428, CAMINHÕES 2429 6X2, CAMINHÕES 712 C, CAMINHÕES 714 C, CAMINHÕES 715, CAMINHÕES 915 C, CAMINHÕES ACCELO 1016, CAMINHÕES ACCELO 815 CAMINHÕES ATEGO 1315, CAMINHÕES ATEGO 1418, CAMINHÕES ATEGO 1518, CAMINHÕES ATEGO 1718, CAMINHÕES ATEGO 1725, CAMINHÕES ATEGO 2425, CAMINHÕES ATRON 1319, CAMINHÕES ATRON 2324, CAMINHÕES ATRON 2729 B (BETONEIRA), CAMINHÕES ATRON 2729 K (BASCULANTE), CAMINHÕES ATRON 2729 P 6X4 (PLATAFORMA), CAMINHÕES AXOR 1933, CAMINHÕES AXOR 2533 CAMINHÕES AXOR 2826, CAMINHÕES AXOR 2828, CAMINHÕES AXOR 2831, CAMINHÕES AXOR 2831 B (BETONEIRA), CAMINHÕES AXOR 2831 K (BASCULANTE), CAMINHÕES AXOR 2831 P (PLATAFORMA), ÔNIBUS 1632, ÔNIBUS O500 M, ÔNIBUS O500 R, ÔNIBUS O500 U, ÔNIBUS OF1417, ÔNIBUS OF1418, ÔNIBUS OF1518, ÔNIBUS OF1519, ÔNIBUS OF1720 A, ÔNIBUS OF1721, ÔNIBUS OF1722, ÔNIBUS OF1724, ÔNIBUS OH1420, ÔNIBUS OHL1621, ÔNIBUS OHL1623

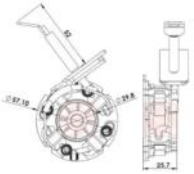


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-148-12V	DELCO-REMY	PG260MQ/PMGR	10475602,77364762,361592F000

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
361004A150, 8000017, 8000032, 8000534, 9000786, 9000798, 9000804, 9000805, 9000806, 9000812, 9000819, 9000820, 9000821, 9000822, 9000827, 9000834, 9000835, 9000844, 9000850, 9000851, 9000853, 9000860, 9000861, 9000862, 9000863, 9000864, 9000866, 9000867, 9000899, 9000900, 9000936, 9000952, 96843574	6,0 x 19,0 x 16,0

APLICAÇÕES

CASE MINI TRATOR **CITROËN** JUMPER 2.8 HDI **FIAT** DUCATO 2.3 JTD, DUCATO 3.0 JTD **GM** BLAZER COM MOTOR VORTEX 4.3L V6, CAPTIVA 2.0 VCDI, CORVETTE 2.8, CRUZE 2.0 CDI, MALIBU 2.4, MONTE CARLO 3.4, S10 C/ MOTOR VORTEX V6 4.3L, S10 COM MOTOR VORTEX V6 4.3L, SILVERADO **HYUNDAI** HR **KIA** MOHAVE 3.0, MOHAVE 3.8 **OPEL** ASTRA 2.2 16V, SIGNUM 2.0 TURBO, SPEEDSTER 2.2I 16V, VECTRA 2.2, ZAFIRA 2.2 **PEUGEOT** BOXER 2.8 HDI **PONTIAC** GRAND AM 2.4, SUNFIRE 2.4 **SAAB** 9-3 2.0

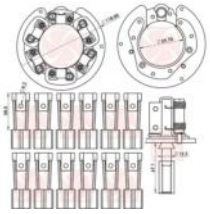


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-149-12V	DELCO-REMY	PG260	10452368,10504488,55576980,55556082, 8030387

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-3C150, 7084991, 8000006, 8000014, 8000090, 8000158, 8000159, 8000188, 8000213, 8000287, 8000300, 9000844, 9000890, 9000891, 9000893, 9000944, 9000948, 9000978, 9000981, 9000981P, 93297652, 93297653, 93303527, 93327502, 93374341, 93374342, 93384398, 96235, DR96235, PG260B	5,0 x 15,0 x 13,0

APLICAÇÕES

CHEVROLET-GM AGILE 1.4 2010 EM DIANTE, AGILE 1.6 2010 EM DIANTE, AGILE 1.8 2010 EM DIANTE, ASTRA, BLAZER, CELTA, COBALT, CORSA, CORSA CLASSIC, CRUZE, MERIVA, MONTANA, MONZA PICK-UP CORSA, PRISMA 1.0 ANO 2006-2014, PRISMA 1.4 ANO 2006-2014, PRISMA 1.6 ANO 2006-2014, S-10, SONIC, SPIN, TRACKER, VECTRA 2.2, VECTRA 2.4, ZAFIRA 1.8 16V, ZAFIRA 1.8 8V, ZAFIRA 2.0 16V SOCH, ZAFIRA 2.0 8V **DAEWOO** CADILLAC, ESPERO 2.0 L, OPTRA 1.4 L, OPTRA 1.8 L FLEX, OPTRA 1.8 L ÁLCOOL, OPTRA 1.8 L GASOLINA **DIVERSAS** ISUZU, OLDSMOBILE **FIAT** DOBLO, IDEA C/ MOTOR FIRE 1.0 16V, IDEA C/ MOTOR FIRE 1.0 8V, IDEA C/ MOTOR FIRE 1.3 16V, IDEA C/ MOTOR FIRE 1.3 8V, IDEA C/ MOTOR FIRE 1.4 16V, IDEA C/ MOTOR FIRE 1.4 8V, IDEA C/ MOTOR FIRE 1.8 16V, IDEA C/ MOTOR FIRE 1.8 8V, PALIO, PALIO WEEKEND, PUNTO, SIENA, STILO, STRADA, UNO **HYUNDAI** AZERA (GRANDEUR) 3.3, AZERA (GRANDEUR) 3.8, ENTOURAGE 3.8, IX55 (VERACRUZ) 3.8 **PEUGEOT** 206 1.9 DIESEL, 307 2.0 DIESEL, BERLINGO 1.9 DIESEL, PARTNER 1.9 DIESEL

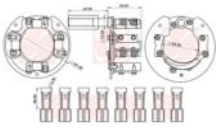


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-167-24V	DELCO-REMY	50MT	1945849,1967354

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461731, 10478827, 10478828, 10478829, 10478830, 1109795, 1109797, 1109799, 1990285, 1990286, 1990288	8,0 x 19,0 x 19,0

APLICAÇÕES

CATERPILLAR CAMINHÃO DE MINERAÇÃO 768B, CAMINHÃO DE MINERAÇÃO 768C, CAMINHÃO DE MINERAÇÃO 769B, CAMINHÃO DE MINERAÇÃO 769C, CAMINHÃO DE MINERAÇÃO 772, CAMINHÃO DE MINERAÇÃO 772B, CAMINHÃO DE MINERAÇÃO 773, CAMINHÃO DE MINERAÇÃO 773B, COMPACTADOR DE ATERRO 826C, COMPACTADOR DE SOLO 825C, ESCAVADEIRA 245, ESCAVADEIRA 346, MOTOR MARÍTIMO D343, PÁ CARREGADEIRA 983B, PÁ CARREGADEIRA 988, PÁ CARREGADEIRA 988B, PÁ CARREGADEIRA 992, PÁ CARREGADEIRA 992B, PÁ CARREGADEIRA 992C, RASPADOR (SCRAPER) 631D, RASPADOR (SCRAPER) 633D, RASPADOR (SCRAPER) 641B, RASPADOR (SCRAPER) 651B, RASPADOR (SCRAPER) 657B, RASPADOR (SCRAPER) 660B, RASPADOR (SCRAPER) 666B TRATOR 824C, TRATOR 834B, TRATOR D8 **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380-2II, 380C-480, 380III, 380IIIA, 410, 475B, 475III, 675, 675B **CUMMINS** SÉRIE K **DIVERSAS** LOCOMOTIVA C/ MOTOR A DIESEL V16, LOCOMOTIVA C/ MOTOR A DIESEL V20 **INGERSOLL RAND** DL 1200



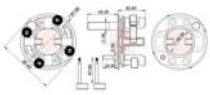
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-168-24V	DELCO-REMY	40MT	1948515,1945517

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461047, 1109827, 1113386, 1113472, 1113477, 1113483 1113485, 1113487, 1113539, 1113540, 1113542, 1113544, 1113583, 1113585, 1113818, 1113820, 1113824, 1113825, 1113827, 1113830, 1113831, 1113832, 1113840, 1113842, 1113845, 1113846, 1113847, 1113849, 1113850, 1113851, 1113852, 1113853, 1113855, 1113856, 1113857, 1113858, 1113859, 1113860, 1113864, 1113865, 1113866, 1113867, 1113868, 1113870, 1113871, 1113872, 1113873, 1113874, 1113875, 1113876, 1113877, 1113878, 1113879, 1113880, 1113881, 1113882, 1113883, 1113884, 1113887, 1113888, 1113889, 1113892, 1113893, 1113895, 1113898, 1113899, 1113900, 1113902, 1113905, 1113906, 1113907, 1113908, 1113909, 1113910, 1113911, 1113914, 1113915, 1113916,	9,5 x 19,0 x 19,0

1113917, 1113918, 1113920, 1113921, 1113923, 1113924, 1113926, 1113927, 1113928, 1113931, 1113934, 1113935, 1113936, 1113937, 1113938, 1113939, 1113940, 1113941, 1113942, 1113944, 1113945, 1113947, 1113948, 1113949, 1113950, 1113951, 1113952, 1113953, 1113954, 1113955, 1113956, 1113957, 1113958, 1113959, 1113960, 1113961, 1113962, 1113963, 1113964, 1113965, 1113966, 1113967, 1113968, 1113969, 1113970, 1113971, 1113972, 1113973, 1113974, 1113975, 1113976, 1113977, 1113978, 1113979, 1113980, 1113981, 1113982, 1113983, 1113984, 1113986, 1113988, 1113990, 1113991, 1113992, 1113993, 1113994, 1113995, 1113997, 1113998, 1113999, 1114047, 1114051, 1114052, 1114054, 1114055, 1114056, 1114057, 1114061, 1114069, 1114070, 1114071, 1114073, 1114077, 1114078, 1114079, 1114080, 1114081, 1114082, 1114083, 1114084, 1114085, 1114092, 1114094, 1114095, 1114096, 1114097, 1114099, 1114101, 1114105, 1114107, 1114112, 1114114, 1114116, 1114117, 1114121, 1114122, 1114135, 1114137, 1114139, 1114142, 1114146, 1114154, 1114166, 1114168, 1114173, 1114178, 1114179, 1114180, 1114182, 1114183, 1114185, 1114186, 1114187, 1114189, 1114191, 1114196, 1114197, 1114657, 1114660, 1114666, 1114668, 1114701, 1114706, 1114707, 1114710, 1114711, 1114712, 1114715, 1114718, 1114719, 1114727, 1114728, 1114729, 1114730, 1114735, 1114737, 1114738, 1114739, 1114740, 1114741, 1114742, 1114743, 1114749, 1114750, 1114755, 1114756, 1114758, 1114759, 1114760, 1114762, 1114763, 1114767, 1114769, 1114772, 1114774, 1114776, 1114777, 1114779, 1114781, 1114782, 1114783, 1114784, 1114785, 1114786, 1114789, 1114790, 1114792, 1114793, 1114917, 1114987, 1114989, 1990202, 1990205, 1990210, 1990213, 1990214, 1990216, 1990297, 1993704

APLICAÇÕES

DIVERSAS CASE, CATERPILLAR, CUMMINS, FIAT-ALLIS, JOHN DEERE **VOLVO** CAMINHÕES F10, CAMINHÕES F12, CAMINHÕES F80, CAMINHÕES FL10, CAMINHÕES FM10, ÔNIBUS B12

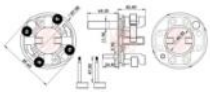


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-181-12V	DELCO-REMY	39MT	10527544

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
19011513, 19011519, 19011521, 8200040, 8200050, 8200081, 8200090, 8200287, 8200288, 8200289, 8200290, 8200291, 8200308, 8200329, 8200360, 8200390, 8200417, 8200433, 8200434, 8200468, 8200469, 8200470, 8300057	9,5 x 32,0 x 22,5

APLICAÇÕES

CUMMINS 3103915, DDC 60 SERIES, ISM, ISX, N14 **FREIGHTLINER** C/ MOTOR CAT ACERT, C/ MOTOR CAT C10, C/ MOTOR CAT C11, C/ MOTOR CAT C12, C/ MOTOR CAT C13, C/ MOTOR CAT C15 **INTERNATIONAL** MAXXFORCE 11, MAXXFORCE 13 **MACK** C/ MOTOR E-7, C/ MOTOR MP7/ 8. **VOLVO** C/ MOTOR 12, C/ MOTOR 13, C/ MOTOR 16, C/ MOTOR D11, VHD200, VHD300, VHD430, VHD630, VHD670, VHD730, VHD780, VN300, VN430, VN630, VN670, VN730, VN780

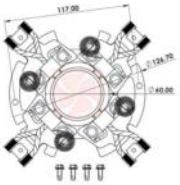


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-182-24V	DELCO-REMY	39MT	10527543

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
19011507, 19011509, 19011511, 19011512, 19011522, 19011523, 19011524, 19011527, 19011529, 8200032, 8200034, 8200039, 8200040, 8200041, 8200101, 8200201, 8200431, 8200465, 8200519, 8200699, 8200719	9,5 x 32,0 x 22,5

APLICAÇÕES

CNH COLHEITADEIRA DE CANA A7000 C/ MOTOR CUMMINS, COLHEITADEIRA DE CANA A7700 C/ MOTOR CUMMINS **CUMMINS** 3102920, 3103914 **FIAT-ALLIS** GRADER FG170, GRADER FG170.2 GRADER FG200, GRADER FG200.2, MAT TRATOR FC170 **TEREX** EMPILHADEIRA, FORKLIFT GEP 23

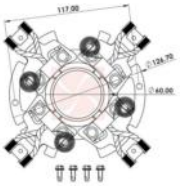


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-184-12V	DELCO-REMY	37MT/41MT	10468705(37MT),10468891(41MT)

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461169, 10461171, 10461227, 10461275, 10461718, 10478812, 10478818, 10478825, 10478890, 10478999, 10479035, 10479109, 10479187, 10479283, 1993874, 1993963, 1993964, 19939969, 8200107, 8200251, 8300038	9,6 x 28,6 x 26,6

APLICAÇÕES

CATERPILLAR COLHEITADEIRA MT 875, EMPILHADEIRA V30 COM MOTOR 37MT, EMPILHADEIRA V40 COM MOTOR 37MT, EMPILHADEIRA V41 COM MOTOR 37MT, EMPILHADEIRA V50 COM MOTOR 37MT, EMPILHADEIRA V51 COM MOTOR 37MT, EMPILHADEIRA V60 COM MOTOR 37MT **DIVERSAS** AGCO **MASSEY FERGUNSON** TRATOR 2360 COM MOTOR CUMMINS **TEREX** MÁQUINAS DIVERSAS

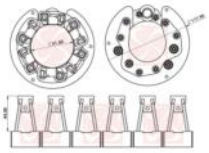


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-185-24V	DELCO-REMY	41MT	10470208,10453807,10500113

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10478898, 10479024, 1993966, 8200155, 8200178	9,6 x 28,6 x 26,6

APLICAÇÕES

CATERPILLAR TRATOR DE ESTEIRAS D6M **CUMMINS** MOTOR ISM, MOTOR ISX **MERCEDES-BENZ** PLATAFORMA 0400 RSD ANO DE 2004 ATÉ 2009, PLATAFORMA 400 SER 2004 ATÉ 2009



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-188-24V	DELCO-REMY	50MT	1984974,1985065

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461088, 10461105, 10461150, 10461156, 10461381, 10461400, 10461407, 10461499, 10461746, 10461747, 10461748, 10465600, 10465603, 10478822, 10478823, 10478846, 10478847, 10478850, 10478851, 10478852, 10478853, 10478855, 10478856, 10478861, 10478862, 10478863, 10478864, 10478865, 10478866, 10478873, 10478874, 10478878, 10478880, 10478882, 10478883, 10478884, 10478887, 10478888, 10478889, 10478899, 10478901, 10478903, 10478905, 10478907, 10478908, 10478909, 10478911, 10478912, 10479075, 10479088, 10479126, 10479144, 10479145, 10479152, 10479153, 10479218, 10479222, 10479270, 10479272, 10479296, 10479327, 10479333, 10479335, 10479339, 10479340, 10479342, 10479343, 10479345, 10479346, 10479368, 1990227, 1990228, 1990229, 1990231, 1990232, 1990233, 1990235, 1990236, 1990240, 1990241, 1990243, 1990244, 1990247, 1990249, 1990262, 1990263, 1990264, 1990267, 1990268, 1990269, 1990270, 1990272, 1990276, 1990291, 1993739, 1993753, 1993781, 1993825, 1993839, 1993840, 1993841, 1993847, 1993860, 1993922, 1993927, 1993989, 8200035, 8200098, 8200108, 8200206, 8200207, 8200209, 8200259, 8200388, 8200407, 8200480, 8200481, 8200496, 8200528, 8200531, 8200532, 8200533, 8200534, 8200535, 8200536, 8200537, 8200540, 8200541, 8200542, 8200573, 8200574, 8200575, 8200577, 8200590, 8200592, 8200598, 8200797, 8200798, 8200812, 8200831, 8201092, 8201093, 8201094, 8201153, 9000871	8,0 x 38,0 x 21,5

APLICAÇÕES

CATERPILLAR ASSENTADOR DE TUBOS 583K, ASSENTADOR DE TUBOS 589, ASSENTADOR DE TUBOS 591, ASSENTADOR DE TUBOS 594H, CAMINHÃO DE MINERAÇÃO 730 CEJ, CAMINHÃO DE MINERAÇÃO 768B, CAMINHÃO DE MINERAÇÃO 768C, CAMINHÃO DE MINERAÇÃO 769B, CAMINHÃO DE MINERAÇÃO 769C, CAMINHÃO DE MINERAÇÃO 772, CAMINHÃO DE MINERAÇÃO 772B, CAMINHÃO DE MINERAÇÃO 773, CAMINHÃO DE MINERAÇÃO 773B, CAMINHÃO DE MINERAÇÃO 776B, CAMINHÃO DE MINERAÇÃO 777B, COMPACTADOR DE ATERRO 826C, COMPACTADOR DE SOLO 825C, ESCAVADEIRA 245, ESCAVADEIRA 345CLRE, ESCAVADEIRA 345DL, ESCAVADEIRA 346, ESCAVADEIRA 349D2, ESCAVADEIRA 349D2L, ESCAVADEIRA 349DL, MOTONIVELADORA 14M, MOTONIVELADORA 16M, MOTOR MARÍTIMO D343, PÁ CARREGADEIRA 966H, PÁ CARREGADEIRA 972H, PÁ CARREGADEIRA 983B, PÁ CARREGADEIRA 988, PÁ CARREGADEIRA 988B, PÁ CARREGADEIRA 992, PÁ CARREGADEIRA 992B, PÁ CARREGADEIRA 992C, RASPADOR (SCRAPER) 621K, RASPADOR (SCRAPER) 623K, RASPADOR (SCRAPER) 627K, RASPADOR (SCRAPER) 631D, RASPADOR (SCRAPER) 633D, RASPADOR (SCRAPER) 641B, RASPADOR (SCRAPER) 651B, RASPADOR (SCRAPER) 657B, RASPADOR (SCRAPER) 660B, RASPADOR (SCRAPER) 666B, RECUPERADORA DE RODOVIAS RM300, TRATOR 824C, TRATOR 834B, TRATOR DE ESTEIRAS D10, TRATOR DE ESTEIRAS D10N, TRATOR DE ESTEIRAS D8L, TRATOR DE ESTEIRAS D9L, TRATOR DE ESTEIRAS D9N **CLARK** 275K, 310, 310III, 310IIIH, 380, 380-2III, 380C-480, 380III, 380IIIA, 410, 475B, 475III, 675, 675B **CUMMINS** MOTOR QSK78, SERIE K **INGERSOLL RAND** DL 1200 **KOMATSU** CAMINHÃO DE MINERAÇÃO 930E4

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-189-12V	DELCO-REMY	50MT	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461056, 10461129, 10461191, 10461731, 10461738, 10461741, 10478813, 10478877, 10478881, 10478906, 10478910, 10478917, 10479201, 10479297, 10479309, 10479328, 10479336, 10479338, 10479341, 10479352, 10479382, 1109554, 1945849, 1990261, 1990277, 1993854 1993855, 1993859, 8200569, 8200576, 8200846	8,0 x 38,0 x 21,5

APLICAÇÕES

CATERPILLAR MÁQUINAS DIVERSAS **DIVERSAS** CHEVROLET-GM, CUMMINS, FORD, FREIGHTLINER, GMC HEAVY DUTY, KENWORTH, PETERBILT, VOLVO, WESTERN STAR

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-190-24V	DELCO-REMY	38MT	10528064,

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
19026030, 19026032, 2873K116, 3965282, 3965282RX, 3965284, 65262017070, 65262017088A, 75264240, 8200000 8200053, 8200072, 8200078, 8200242, 8200486, 8200733, 8201050	9,5 x 28,0 x 22,0

APLICAÇÕES

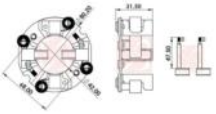
CASE COLHEITADEIRA DE CANA A8000, COLHEITADEIRA DE CANA A8800 **FORD** CAMINHÃO CARGO 1932 COM MOTOR CUMMINS 8.3L, CAMINHÃO CARGO 2632 COM MOTOR CUMMINS 8.3L, CAMINHÃO CARGO 2932 COM MOTOR CUMMINS 8.3L, CAMINHÃO CARGO 4532 COM MOTOR CUMMINS 8.3L, CAMINHÃO CARGO 5032 COM MOTOR CUMMINS 8.3L **JAC** CAMINHÃO HFC4253 **RANDON** CAMINHÃO DE MINERAÇÃO RK430B, CAMINHÃO DE MINERAÇÃO RK430M, CAMINHÃO DE MINERAÇÃO RK628C, CAMINHÃO DE MINERAÇÃO RK628CF, CAMINHÃO DE MINERAÇÃO RK628CR **SCANIA** CAMINHÃO P230, CAMINHÃO P270, CAMINHÃO P310, CAMINHÃO P340, CAMINHÃO P380, CAMINHÃO P420, CAMINHÃO P470, CAMINHÃO P480, CAMINHÃO R230, CAMINHÃO R270 CAMINHÃO R310, CAMINHÃO R340, CAMINHÃO R380, CAMINHÃO R420, CAMINHÃO R470, CAMINHÃO R480, CAMINHÃO T340, CAMINHÃO T380, CAMINHÃO T420, CAMINHÃO T470 **VOLKSWAGEN** 18.310 CONSTELLATION COM MOTOR CUMMINS ISC 8.3L, 18.310 TITAN TRACTOR COM MOTOR CUMMINS ISC 8.3L, 19.320 CONSTELLATION COM MOTOR CUMMINS ISC 8.3L, 19.320 TITAN TRACTOR COM MOTOR CUMMINS 6CTAA 8.3L, 19.370 COM MOTOR INTERNATIONAL 9.3L, 25.370 COM MOTOR INTERNATIONAL 9.3L, 31.320 CONSTELLATION COM MOTOR CUMMINS 8.3L, 31.320 TITAN TRACTOR COM MOTOR CUMMINS ISC 8.3L, 31.370 COM MOTOR INTERNATIONAL 9.3L, ÔNIBUS B17320 E COM MOTOR CUMMINS, ÔNIBUS B18320 EVO COM MOTOR CUMMINS, ÔNIBUS B19320 EOT QUÉOPS COM MOTOR CUMMINS 8.3L, ÔNIBUS B19360 E COM MOTOR CUMMINS, ÔNIBUS B24320 E COM MOTOR CUMMINS, ÔNIBUS B25320 E COM MOTOR CUMMINS, ÔNIBUS B25370 E COM MOTOR CUMMINS, ÔNIBUS B25400 E COM MOTOR CUMMINS **VOLVO**
CAMINHÕES FH12/380 4X4 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES FH12/380 6X2 P. LOTUS 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES FH12/420 4X2 TOP-CLASS (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES FH12/420 6X4 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES FM12/380 6X4 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES FM12/420 8X4 4 EIXOS (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES NH12/380 4X2 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), CAMINHÕES NH12/380 6X4 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-191-12V	DELCO-REMY	29MT	10527547

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
19011400, 19011402, 19011403, 19011407, 8029001, 8200003, 8200014, 8200103, 8200196, 8200295, 8200326, 8200331, 8200400, 8200478, 8200495, 8200511, 8200564, 8200826, 8200848, 8200849, 8200853, 8200854, 8200866, 8200875, 8200885, 8200887, 8200889, 8200890	8,0 x 25,0 x 20,0

APLICAÇÕES

AGRALE CAMINHÕES 1600, CAMINHÕES 4000, CAMINHÕES 5000, CAMINHÕES 6000, CAMINHÕES 7000, TRATOR 5065, TRATOR 5065.4 COMPACT, TRATOR 5075, TRATOR 5085, TRATOR BX100, TRATOR BX130, TRATOR BX4.100, TRATOR BX4.110, TRATOR BX4.130, TRATOR BX4.150, TRATOR BX4.90, TRATOR BX6.110, TRATOR BX6.150, TRATOR BX6.180 **ATLAS COPCO** COMPRESSOR DE AR XA56, COMPRESSOR DE AR XA76, COMPRESSOR DE AR XA77, COMPRESSOR DE AR XA97 **CASE** COLHEITADEIRA DE CAFÉ COFFEE EXPRESS 200 **FORD CAMINHÕES** CARGO 1317E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 1317E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 1517E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 1517E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 1717E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 1717E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 1722E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 1722E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 2422E (6X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 2422E (6X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 2428E (6X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 2428E (6X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 2622E (6X4) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 2622E (6X4) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 2628E (6X4) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 2628E (6X4) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS, CARGO 815E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 4 CILINDROS, CARGO 815E (4X2) COM MOTOR CUMMINS ELETRÔNICO ISB 6 CILINDROS **GM** D20 COM MOTOR MAXION S4 4 CIL. 4.1, SILVERADO COM MOTOR MAXION S4 4 CIL. 4.1 **MARCOPOLO** ÔNIBUS BOXER, ÔNIBUS TORINO, ÔNIBUS VOLARE V8, ÔNIBUS VOLARE W8, ÔNIBUS VOLARE W9 **MERCEDES-BENZ** CAMINHÕES 1418 R, CAMINHÕES 1620 L, CAMINHÕES 1720, CAMINHÕES 1720 K, CAMINHÕES 710, CAMINHÕES 712 E, ÔNIBUS O712, ÔNIBUS O812, ÔNIBUS O814

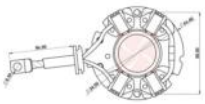


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-192-24V	DELCO-REMY	29MT4,0Kw	10527548

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
8200004, 8200054, 8200064, 8200065, 8200138, 8200231, 8200278, 8200292, 8200296, 8200297, 8200357, 8200386, 8200387, 8200474, 8200512, 8200521, 8200745, 8200776, 8200816, 8200850, 8200882, 8200884, 8200886, 8201097	8,0 x 25,0 x 20,0

APLICAÇÕES

AGRALE (CAMINHÕES) 10000 COM MOTOR MWM, 13000 COM MOTOR MWM, 14000 COM MOTOR MWM **AGRALE (ÔNIBUS)** MA10.0, MA12.0, MA15.0, MA9.2, MT15.0 LE **CASE** MOTONIVELADORA 845, PÁ CARREGADEIRA 521D, PÁ CARREGADEIRA 621D, PÁ CARREGADEIRA W130, PÁ CARREGADEIRA W20 **FIAT-ALLIS** MOTONIVELADORA FG140.2, PÁ CARREGADEIRA FR128, TRATOR DE ESTEIRAS 7D, TRATOR DE ESTEIRAS FD170 **MARCOPOLO (ÔNIBUS)** VOLARE V8 AGRALE, VOLARE W8 AGRALE, VOLARE W9 AGRALE **MERCEDES-BENZ (CAMINHÕES)** 1215 1218 EL, 1218 L, 1318 L, 1418 EL, 1418 L, 1419, 1620 L, 1621, 1718, 1719, 1720, 1725, 1726, 1726 4X4, 1729 S, 2423, 2423 B (BETONEIRA), 2423 K (BASCULANTE), 2426 6X2, 2428, 2429 6X2, 712 C, 714 C, 715, 914, 915 C, ACCELO 1016, ACCELO 815, ATEGO 1315, ATEGO 1418, ATEGO 1518, ATEGO 1718, ATEGO 1725, ATEGO 2425, ATRON 1319, ATRON 2324, ATRON 2729 B (BETONEIRA), ATRON 2729 K (BASCULANTE), ATRON 2729 P (PLATAFORMA) 6X4, AXOR 1933, AXOR 2533, AXOR 2826, AXOR 2828, AXOR 2831, AXOR 2831 B (BETONEIRA), AXOR 2831 K (BASCULANTE), AXOR 2831 P (PLATAFORMA) **MERCEDES-BENZ (ÔNIBUS)** O500 M, O500 R, O500 U, OF1417, OF1418, OF1518, OF1519, OF1721, OF1722, OF1724, OH1420, OH1621, OH1623 **NEW HOLLAND** MOTONIVELADORA RG140 **VOLKSWAGEN (CAMINHÕES)** 10150 E, 13180 E, 15190 E, 17230 EOD, 17230 V-TRONIC, 17250 E, 17260 EOD, 17260 V-TRONIC, 24250 E, 26260 E, 31260 E, 9150 E, CONSTELLATION 13180, CONSTELLATION 15180, CONSTELLATION 17260, DELIVERY 17210 EOD, DELIVERY 17230 EOD, DELIVERY 17230 V-TRONIC, DELIVERY 17260 EOD, DELIVERY 17260 V-TRONIC, DELIVERY 5150, DELIVERY 8150 ELETR PLUS, DELIVERY 8160, DELIVERY 9150 EOD, DELIVERY 9160, DELVIERY 15190 EOD **VOLKSWAGEN (ÔNIBUS)** B8150 FEB, B8150 ODC, B8150 ODM, B9150 ODC **VOLVO (CAMINHÕES)** VM210, VM220 4X2R, VM260, VM270 4X2R, VM270 6X2R, VM270 6X2R ATHOR, VM270 6X4R, VM310, VM330 4X2R, VM330 4X2T, VM330 6X2R, VM330 6X4R **VOLVO (ÔNIBUS)** B270 F



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-193-12V	DELCO-REMY	PG260G	10453748

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10465067, 10465298, 10465384, 10465459, 10465525, 19134005, 19136230, 8000039, 8000066, 8000073, 9000795 9000801, 9000833, 9000839, 9000840, 9000846, 9000847, 9000859, 9000870, 9000871, 9000872, 9675379880, QDJ1236	5,0 x 16,0 x 13,0

APLICAÇÕES

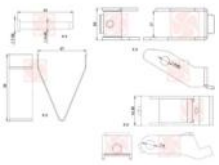
CHEVROLET-GM ASTRA, BLAZER, MONZA, S10 4CC 2.2, VECTRA, ZAFIRA **CITROEN** C4 LOUNGE **DAEWOO** ESPERO 1.8, ESPERO 2.0, LANOS, LEGANZA, LEMANS (CIELO), NEXIA, NUBIRA **OPEL** CALIBRA 2.0I, FRONTERA 2.0I, VECTRA 1.6I, VECTRA 1.8I, VECTRA 2.0I **PEUGEOT** 308, 408

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-220-12V	DELCO-REMY	40MT	1979387

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1945960, 1948518, 1949611, 1967552, 1967553, 1979185, 1979494, 1979502	9,5 x 38,0 x 19,5

APLICAÇÕES

DIVERSAS CATERPILLAR



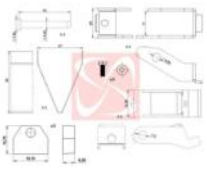
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-221-12V	DELCO-REMY	5MT/8MT/10MT/ 15MT/20MT/25MT/ 27MT/30MT/35MT/ SD300	732246348,1926617,1926618,1926622,1926648 1928015

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10455049, 10455300, 10455301, 10455304, 10455305, 10455306, 10455308, 10455311, 10455312, 10455316, 10455332, 10455340, 10455343, 10455355, 10455600, 10455602, 10455603, 10496873, 10496874, 1107194, 1107196, 1107203, 1107204, 1107205, 1107209, 1107237, 1107242, 1107247, 1107248, 1107249, 1107259, 1107260, 1107268, 1107270, 1107282, 1107289, 1107292, 1107293, 1107294, 1107295, 1107298, 1107299, 1107301, 1107302, 1107306, 1107307, 1107308, 1107316, 1107320, 1107330, 1107334, 1107336, 1107340, 1107342, 1107348, 1107350, 1107355, 1107360, 1107363, 1107365, 1107367, 1107370, 1107371, 1107373, 1107374, 1107375, 1107376, 1107377, 1107378, 1107379, 1107385, 1107391, 1107396, 1107398, 1107399, 1107400, 1107496, 1107499, 1107594, 1107596,	0,0 x 0,0 x 0,0

1107626, 1107644, 1107648, 1107652, 1107655, 1107675, 1107681, 1107694, 1107704, 1107705, 1107709, 1107717, 1107734, 1107781, 1107785, 1107884, 1107888, 1107922, 1108195, 1108196, 1108197, 1108224, 1108225, 1108226, 1108278, 1108283, 1108289, 1108320, 1108327, 1108328, 1108329, 1108331, 1108335, 1108348, 1108349, 1108351, 1108353, 1108354, 1108357, 1108361, 1108363, 1108365, 1108366, 1108367, 1108371, 1108373, 1108375, 1108378, 1108380, 1108381, 1108382, 1108383, 1108386, 1108387, 1108388, 1108389, 1108391, 1108392, 1108393, 1108396, 1108400, 1108419, 1108420, 1108421, 1108422, 1108423, 1108427, 1108428, 1108429, 1108430, 1108434, 1108435, 1108436, 1108438, 1108439, 1108477, 1108500, 1108501, 1108502, 1108503, 1108504, 1108505, 1108506, 1108507, 1108508, 1108511, 1108512, 1108513, 1108516, 1108517, 1108519, 1108521, 1108523, 1108743, 1108744, 1108745, 1108746, 1108747, 1108748, 1108752, 1108753, 1108755, 1108756, 1108758, 1108759, 1108760, 1108762, 1108763, 1108765, 1108766, 1108768, 1108770, 1108771, 1108772, 1108773, 1108774, 1108776, 1108778, 1108779, 1108780, 1108781, 1108782, 1108789, 1108790, 1108791, 1108794, 1108796, 1108797, 1108798, 1109022, 1109024, 1109025, 1109026, 1109029, 1109033, 1109034, 1109036, 1109038, 1109041, 1109052, 1109055, 1109056, 1109057, 1109059, 1109061, 1109062, 1109063, 1109064, 1109065, 1109066, 1109068, 1109072, 1109075, 1109076, 1109081, 1109084, 1109085, 1109087, 1109088, 1109089, 1109090, 1109091, 1109092, 1109093, 1109094, 1109095, 1109098, 1109355, 1109357, 1109361, 1109363, 1109364, 1109365, 1109367, 1109368, 1109372, 1109385, 1109386, 1109412, 1109415, 1109416, 1109420, 1109422, 1109427, 1109429, 1109430, 1109431, 1109432, 1109434, 1109446, 1109482, 1109486, 1109487, 1109488, 1109489, 1109490, 1109597, 1814510, 1998210, 1998211, 1998212, 1998213, 1998215, 1998216, 1998217, 1998220, 1998221, 1998222, 1998223, 1998226, 1998227, 1998229, 1998234, 1998235, 1998236, 1998238, 1998241, 1998242, 1998243, 1998244, 1998247, 1998248, 1998253, 1998259, 1998260, 1998261, 1998263, 1998264, 1998265, 1998266, 1998267, 1998269, 1998270, 1998271, 1998274, 1998281, 1998285, 1998286, 1998295, 1998302, 1998305, 1998306, 1998313, 1998314, 1998317, 1998318, 1998396, 1998397, 1998400, 1998435, 1998436, 1998437, 1998438, 1998439, 1998440, 1998441, 1998443, 1998452, 1998467, 1998469, 1998470, 1998491, 1998499, 1998501, 1998516, 1998557, 1998558, 1998559, 1998560, 1998561, 1998562, 1998564, 1998565, 1998568, 1998570, 1998574, 1998576, 1998577, 1998579, 1998580, 1998583, 1998584, 1998588, 1998589, 1998590, 1998591, 1998596, 7322463, 94619622, 94646679

APLICAÇÕES

OBSERVAÇÕES Kit reparo do pólo positivo. **AMC** VEÍCULOS 1959 ATÉ 1963 **BUICK** VEÍCULOS DE 1957 ATÉ 1963 **CHECKER CAB** 1964-1980 **CHEVROLET-GM** C-10, C-14, C-60 (GAS), CAMINHÕES DE 1955 ATÉ 1978, CARAVAN 2500 4CC, CARAVAN 4100 6CC 1969 ATÉ 1984, OPALA **CHRIS CRAFT** VEÍCULOS DE 1967 ATÉ 1978 **CRUSADER** VEÍCULOS DE 1961 ATÉ 1975 **DIVERSAS** ALLIS-CHALMERS, CADILLAC, FORD, HYSTER **GRAY MARINE** VEÍCULOS DE 1957 ATÉ 1967 **INTERNATIONAL** CAMINHÕES DE 1957 ATÉ 1979 **JEEP** VEÍCULOS DE 1961 ATÉ 1971 **JOHNSON-EVINRUDE** VEÍCULOS DE 1967 ATÉ 1978 **MERCURY** MOTORES DE 1971 ATÉ 1978 **OLDSMOBILE** VEÍCULOS DE 1957 ATÉ 1974 **PALMER** VEÍCULOS DE 1955 ATÉ 1963 **PONTIAC** VEÍCULOS DE 1956 ATÉ 1974 **STUDEBAKER** VEÍCULOS DE 1965 ATÉ 1966



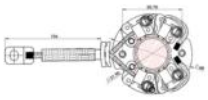
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-221-C-12V	DELCO-REMY	5MT/8MT/10MT/ 15MT/20MT/25MT/ 27MT/30MT/35MT/ SD300	732246348,1926617,1926618,1926622,1926648 1928015

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10455049, 10455300, 10455301, 10455304, 10455305, 10455306, 10455308, 10455311, 10455312, 10455316, 10455332, 10455340, 10455343, 10455355, 10455600, 10455602, 10455603, 10496873, 10496874, 1107194, 1107196, 1107203, 1107204, 1107205, 1107209, 1107237, 1107242, 1107247, 1107248, 1107249, 1107259, 1107260, 1107268, 1107270, 1107282, 1107289, 1107292, 1107293, 1107294, 1107295, 1107298, 1107299, 1107301, 1107302, 1107306, 1107307, 1107308, 1107316, 1107320, 1107330, 1107334, 1107336, 1107340, 1107342, 1107348, 1107350, 1107355, 1107360, 1107363, 1107365, 1107367, 1107370, 1107371, 1107373, 1107374, 1107375, 1107376, 1107377, 1107378, 1107379, 1107385, 1107391, 1107396, 1107398,	6,3 x 19,1 x 16,0

1107399, 1107400, 1107496, 1107499, 1107594, 1107596, 1107626, 1107644, 1107648, 1107652, 1107655, 1107675, 1107681, 1107694, 1107704, 1107705, 1107709, 1107717, 1107734, 1107781, 1107785, 1107884, 1107888, 1107922, 1108195, 1108196, 1108197, 1108224, 1108225, 1108226, 1108278, 1108283, 1108289, 1108320, 1108327, 1108328, 1108329, 1108331, 1108335, 1108348, 1108349, 1108351, 1108353, 1108354, 1108357, 1108361, 1108363, 1108365, 1108366, 1108367, 1108371, 1108373, 1108375, 1108378, 1108380, 1108381, 1108382, 1108383, 1108386, 1108387, 1108388, 1108389, 1108391, 1108392, 1108393, 1108396, 1108400, 1108419, 1108420, 1108421, 1108422, 1108423, 1108427, 1108428, 1108429, 1108430, 1108434, 1108435, 1108436, 1108438, 1108439, 1108477, 1108500, 1108501, 1108502, 1108503, 1108504, 1108505, 1108506, 1108507, 1108508, 1108511, 1108512, 1108513, 1108516, 1108517, 1108519, 1108521, 1108523, 1108743, 1108744, 1108745, 1108746, 1108747, 1108748, 1108752, 1108753, 1108755, 1108756, 1108758, 1108759, 1108760, 1108762, 1108763, 1108765, 1108766, 1108768, 1108770, 1108771, 1108772, 1108773, 1108774, 1108776, 1108778, 1108779, 1108780, 1108781, 1108782, 1108789, 1108790, 1108791, 1108794, 1108796, 1108797, 1108798, 1109022, 1109024, 1109025, 1109026, 1109029, 1109033, 1109034, 1109036, 1109038, 1109041, 1109052, 1109055, 1109056, 1109057, 1109059, 1109061, 1109062, 1109063, 1109064, 1109065, 1109066, 1109068, 1109072, 1109075, 1109076, 1109081, 1109084, 1109085, 1109087, 1109088, 1109089, 1109090, 1109091, 1109092, 1109093, 1109094, 1109095, 1109098, 1109355, 1109357, 1109361, 1109363, 1109364, 1109365, 1109367, 1109368, 1109372, 1109385, 1109386, 1109412, 1109415, 1109416, 1109420, 1109422, 1109427, 1109429, 1109430, 1109431, 1109432, 1109434, 1109446, 1109482, 1109486, 1109487, 1109488, 1109489, 1109490, 1109597, 1814510, 1998210, 1998211, 1998212, 1998213, 1998215, 1998216, 1998217, 1998220, 1998221, 1998222, 1998223, 1998226, 1998227, 1998229, 1998234, 1998235, 1998236, 1998238, 1998241, 1998242, 1998243, 1998244, 1998247, 1998248, 1998253, 1998259, 1998260, 1998261, 1998263, 1998264, 1998265, 1998266, 1998267, 1998269, 1998270, 1998271, 1998274, 1998281, 1998285, 1998286, 1998295, 1998302, 1998305, 1998306, 1998313, 1998314, 1998317, 1998318, 1998396, 1998397, 1998400, 1998435, 1998436, 1998437, 1998438, 1998439, 1998440, 1998441, 1998443, 1998452, 1998467, 1998469, 1998470, 1998491, 1998499, 1998501, 1998516, 1998557, 1998558, 1998559, 1998560, 1998561, 1998562, 1998564, 1998565, 1998568, 1998570, 1998574, 1998576, 1998577, 1998579, 1998580, 1998583, 1998584, 1998588, 1998589, 1998590, 1998591, 1998596, 7322463, 732246348, 94619622, 94646679

APLICAÇÕES

AMC VEÍCULOS 1959 ATÉ 1963 **BUICK** VEÍCULOS DE 1957 ATÉ 1963 **CHECKER CAB** 1964-1980 **CHEVROLET-GM** C-10, C-14, C-60 (GAS), CAMINHÕES DE 1955 ATÉ 1978, CARAVAN 2500 4CC CARAVAN 4100 6CC 1969 ATÉ 1984, OPALA **CHRIS CRAFT** VEÍCULOS DE 1967 ATÉ 1978 **CRUSADER** VEÍCULOS DE 1961 ATÉ 1975 **DIVERSAS** ALLIS-CHALMERS, CADILLAC, FORD, HYSTER **GRAY MARINE** VEÍCULOS DE 1957 ATÉ 1967 **INTERNATIONAL** CAMINHÕES DE 1957 ATÉ 1979 **JEEP** VEÍCULOS DE 1961 ATÉ 1971 **JOHNSON-EVINRUDE** VEÍCULOS DE 1967 ATÉ 1978 **MERCURY** MOTORES DE 1971 ATÉ 1978 **OLDSMOBILE** VEÍCULOS DE 1957 ATÉ 1974 **PALMER** VEÍCULOS DE 1955 ATÉ 1963 **PONTIAC** VEÍCULOS DE 1956 ATÉ 1974 **STUDEBAKER** VEÍCULOS DE 1965 ATÉ 1966

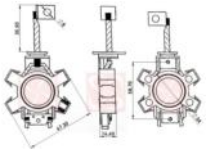


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-228-12V	DELCO-REMY	PG260F2	10493851

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9000836, 9000837, 9000841, 9000842, 9000854, 9000857, 9000858, 9000888	5,0 x 18,0 x 15,0

APLICAÇÕES

BUICK LESABRE 3.8L 1997 ATÉ 2003, PARK AVENUE 3.8L 1998 ATÉ 2001, REGAL 3.8L 1998 ATÉ 2001 **CHEVROLET-GM** BLAZER, CAMARO 3.8L 1998 ATÉ 2000, G1500, G2500 4.3L V6, IMPALA, LUMINA 3.8L 1998 ATÉ 1999, MONTE CARLO 3.8L 1998 ATÉ 2000, S. T SÉRIES 4.3L V6, S10 4.3L V6 VORTEC, SILVERADO 4.8L, SILVERADO 5.3L, SUBURBAN SIERRA, TAHOE YUKON 4.8L, TAHOE YUKON 5.3L, YUKON XL 4.8L, YUKON XL 5.3L **DIVERSAS** CADILLAC, MERCURY MARINE **GMC** JIMMY, SAFARI, SIERRA 4.3L V6 **ISUZU** HOMBRE 4.3L V6 **OLDSMOBILE** BRAVADA 4.3L V6 88 3.8L 1998 ATÉ 1999, INTRIGUE 3.8L 1998 ATÉ 1999 **PONTIAC** CADILLAC, FIREBIRD 3.8L 1998 Á 2001, GRAND PRIX 3.8L 1997 ATÉ 2000, MERCURY MARINE

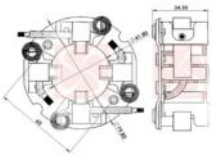


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-230-12V	DELCO-REMY	SD80	10475107,3740997,93740995,93740996, 93742469

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10455503, 10455506, 10455515, 96275471, 96275481, 96467385	5,0 x 13,0 x 16,0

APLICAÇÕES

DAEWOO CIELO, MATIZ COM MOTOR 0.8, NUBIRA COM MOTOR 1.8, REZZO, TICO 0.8 **GM** AVEO 1.6L, MATIZ, NUBIRA 1997 ATÉ 2003 **NISSAN** SENTRA COM MOTOR 1.6, SENTRA COM MOTOR 2.0, SENTRA COM MOTOR 1.8 **OPEL** AGILA COM MOTOR 1.2, ASTRA COM MOTOR 1.4, ASTRA COM MOTOR 1.6, ASTRACOM MOTOR 1.2, CORSA COM MOTOR 1.2, CORSA COM MOTOR 1.4I 16V CORSA COM MOTOR 1.6 GSI, CORSA COM MOTOR 1.6 GSI 16V, CORSA COM MOTOR 1.6I 16V, CORSA COM MOTOR 1.0I 12V, CORSA COM MOTOR 1.3, CORSA COM MOTOR 1.4, CORSA COM MOTOR 1.4I, KADETT COM MOTOR 1.6I, MERIVA COM MOTOR 1.6, TIGRA COM MOTOR 1.4 16V, TIGRA COM MOTOR 1.6 16V, VECTRA COM MOTOR 1.4, VECTRA COM MOTOR 1.6 16V, VECTRA COM MOTOR 1.6I, ZAFIRA COM MOTOR 1.6 16V **PONTIAC** WAVE COM MOTOR 1.6L **SUZUKI** SWIFT COM MOTOR 1.6L, WAGON R+ COM MOTOR 1.2 4WDM

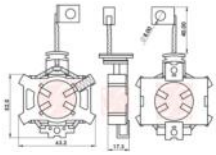


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-241-12V	DELCO-REMY	38MT	10528064

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10461768, 10461769, 10461775, 19026027, 19026028, 19026029, 19026031, 19026035, 8200005, 8200007, 8200023, 8200025, 8200075, 8200076, 8200077, 8200211, 8200217, 8200235, 8200239, 8200324, 8200356, 8200408, 8200408;, 8200977, 8201002, 8201039, 8300005, 8300021, 8300022, 8300024, 8300026, 8300065, 8300066	9,5 x 28,0 x 22,0

APLICAÇÕES

CASE COLHEITADEIRA DE ALGODÃO 1822, COLHEITADEIRA DE ALGODÃO 1844, COLHEITADEIRA DE ALGODÃO 2055, COLHEITADEIRA DE ALGODÃO 2155, COLHEITADEIRA DE GRÃOS 1620, COLHEITADEIRA DE GRÃOS 1640, COLHEITADEIRA DE GRÃOS 1644, COLHEITADEIRA DE GRÃOS 1666, COLHEITADEIRA DE GRÃOS 1668, COLHEITADEIRA DE GRÃOS 1670, COLHEITADEIRA DE GRÃOS 1680, COLHEITADEIRA DE GRÃOS 1688, COLHEITADEIRA DE GRÃOS 1690, COLHEITADEIRA DE GRÃOS 2144, COLHEITADEIRA DE GRÃOS 2166, COLHEITADEIRA DE GRÃOS 2188, COLHEITADEIRA DE GRÃOS 2366, COLHEITADEIRA DE GRÃOS 2399, TRATOR 1896, TRATOR 2055, TRATOR 2090, TRATOR 2094, TRATOR 2096, TRATOR 2290, TRATOR 2294, TRATOR 2390, TRATOR 2394, TRATOR 2470, TRATOR 2590, TRATOR 2594, TRATOR 2670, TRATOR 2870, TRATOR 3294, TRATOR 3394, TRATOR 4490, TRATOR 4494, TRATOR 4690, TRATOR 4694, TRATOR 4890, TRATOR 4894, TRATOR 4994, TRATOR 7110, TRATOR 7120, TRATOR 7130, TRATOR 7140, TRATOR 7210, TRATOR 7220, TRATOR 7230, TRATOR 7240, TRATOR 7250, TRATOR 8930, TRATOR 9110, TRATOR 9130, TRATOR 9210, TRATOR 9230, TRATOR 9240, TRATOR 9310, TRATOR 9330, TRATOR MAGNUM MX220 (C/ MOTOR CUMMINS 8.3L), TRATOR MAGNUM MX240 (C/ MOTOR CUMMINS 8.3L), TRATOR MAGNUM MX270 (C/ MOTOR CUMMINS 8.3L) **CUMMINS** MOTOR C 8.3L, MOTOR ISC 8.3L **FORD** CAMINHÕES CARGO 1622 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 1630 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2422 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2425 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2622 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2626 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2630 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 2631 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 3222 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES CARGO 4030 (C/ MOTOR CUMMINS 8.3L), CARGO MOTOR CUMMINS ELETRÔNICO **FREIGHTLINER** CAMINHÃO CASCADIA COM MOTOR MBE 4000, CAMINHÃO CASCADIA COM MOTOR MBE4000, CAMINHÃO CENTURY COM MOTOR MBE4000 **VOLKSWAGEN** CAMINHÕES 17220 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 17310 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 23210 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 23220 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 23310 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 26220 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 26260 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 26310 (C/ MOTOR CUMMINS 8.3L), CAMINHÕES 4220 (C/ MOTOR CUMMINS 8.3L)

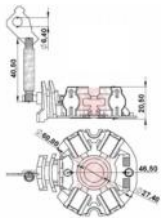


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-253-12V	DELCO-REMY		10515785,111089,112816,9627548

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10455503, 10455506, 10455515, 96275481, 96952005, 96952006	4,0 x 12,9 x 11,5

APLICAÇÕES

DAEWOO ESPERO COM MOTOR 1.5 16V, KALOS COM MOTOR 1.4 16V, KALOS COM MOTOT 1.4, LACETTI COM MOTOR 1.4, LACETTI COM MOTOR 1.4 16V, LACETTI COM MOTOR 1.6, LACETTI COM MOTOR 1.8, LANOS COM MOTOR 1.4, LANOS COM MOTOR 1.5, LANOS COM MOTOR 1.6 16V, NEXIA COM MOTOR 1.5, NEXIA COM MOTOR 1.5 16V, NUBIRA COM MOTOR 1.8, NUBIRA COM MOTOR 2.0 16V, NUBIRA COM MOTOR 1.6, NUBIRA COM MOTOR 1.6 16V, REZZO COM MOTOR 1.6, REZZO COM MOTOR 1.8, TACUMA COM MOTOR 1.8 **FIAT** STILO MULTI WAGON COM MOTOR 1.6 16V **GM** AVEO COM MOTOR 1.4, ESPERO COM MOTOR 1.5 16V, KALOS COM MOTOR 1.4, KALOS COM MOTOR 1.4 16V, LACETTI COM MOTOR 1.6, LACETTI COM MOTOR 1.4, LACETTI COM MOTOR 1.4 16V, LACETTI COM MOTOR 1.8, LANOS COM MOTOR 1.4, LANOS COM MOTOR 1.6 16V, LANOSCOM MOTOR 1.5, NEXIA COM MOTOR 1.6 16V, NEXIA COM MOTOR 1.8, NEXIA COM MOTOR 1.5, NEXIA COM MOTOR 1.6, NEXIA COM MOTOR 2.0 16V, NEXIACOM MOTOR 1.5 16V, REZZO COM MOTOR 1.6, REZZO COM MOTOR 1.8, TACUMA COM MOTOR 1.8 **MERCEDES-BENZ** 500 4.7 **OPEL** ASTRA F 1.4 I, ASTRA F 1.4 I 16V, ASTRA F 1.4 SI, ASTRA F 1.6 I, ASTRA F 1.6 I 16V, ASTRA G 1.2 16V, ASTRA G 1.2 I 16V, ASTRA G 1.4 I 16V, ASTRA G 1.6, ASTRA G 1.6 16V, ASTRA G 1.6 I, ASTRA G 1.6 I 16V, ASTRA G 1.6 TWINPORT, ASTRA H 1.4, ASTRA H 1.4 TWINPORT GTC **VAUXHALL** AGILA COM MOTOR 1.0, ASTRA COM MOTOR 1.4I, ASTRACOM MOTOR 1.6I, BELMONT COM MOTOR 1.6, CAVALIER COM MOTOR 1.6, CAVALIER COM MOTOR 1.4, CORSA COM MOTOR 1.4, MERIVA COM MOTOR 1.4, NOVA COM MOTOR 1.4I, TIGRA COM MOTOR 1.4, VECTRA COM MOTOR 1.6I, ZAFIRA COM MOTOR 1.6, ZAFIRA COM MOTOR 1.8

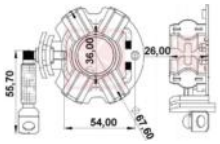


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-298-12V	DELCO-REMY		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-2E500, 36100-2E550, 36100-2E551, 361002G200, 36100-2G210, 361002G300, 36100-2G400, 361003C151, 36100-3C210, 36100-3C211, 36100-3C230, 36100-3F100, 36100-3F110, 36100-3F160, 8000357, 8000465, 96000	4,5 x 15,0 x 12,5

APLICAÇÕES

HYUNDAI ELANTRA, IX-35, SANTA FÉ 2.4L, SONATA, TUCSON **KIA** GENESIS G80, K900, MAGENTIS 2.4, OPTIMA, SORENTO, SPORTAGE

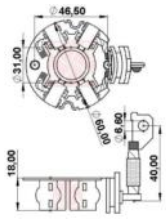


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-346-12V	DELCO-REMY		10538246,10539132,10538246M,10539132M, DR?10538246,DR10539132,DR?10538246M, DR10539132M

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
23B911023A, 36100-4A160, 8000837, 8000850, 8000868, 8000893	4,5 x 20,0 x 15,0

APLICAÇÕES

DIVERSAS PG260P3 **HYUNDAI** FAHRGESTELL, HR 2.0, HR 2.5, PORTER, PRITSCHE **KIA** BONGO K2500 2.5 TCI **VOLKSWAGEN** DELIVERY 4160, DELIVERY 6160

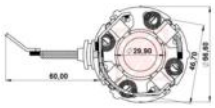


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-351-12V	DELCO-REMY		61007897M

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-03603, 61001603, 61009350	4,6 x 12,0 x 12,2

APLICAÇÕES

HYUNDAI HB20 (2016->) **KIA** PICANTO 1.0 (2011->)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-357-12V	DELCO-REMY		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
B11-370811BA, QDJ1266A	5,0 x 15,0 x 13,0

APLICAÇÕES

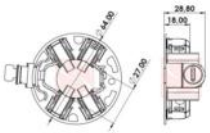
CHERY A3 (CIELO) 1.6, A3 (CIELO) 1.8, A3 (CIELO) 2.0, TIGGO 1.6, TIGGO 1.8, TIGGO 2.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-373-12V	DELCO-REMY		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-04270, 61005417	12,0 x 4,5 x 10,0

APLICAÇÕES

HYUNDAI HB20 1.0 (2021->), I20 **KIA** RIO IV 1.0



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-008-12V	DENSO		028510-7370

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
04801852AB, 10U31A25, 12657797, 281000Y070, 281000Y220, 281000Y320, 428000-7210, 428000-9300, 4380000590, 438000-1270, 51911199, 56029852AA, 80023936, BC281000Y220, BC428000-9391, BC428000-9500 BC4380002590, BC4380003370, BC4380003410, BC438000-9500	4,5 x 12,0 x 12,3

APLICAÇÕES

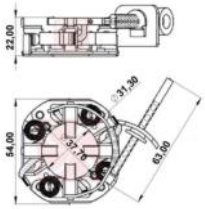
DODGE RAM 1500 V6 3.6 2015 ATÉ 2016 **FIAT** GRAND SIENA, MOBI, NOVO UNO WAY, PALIO A PARTIR DE 2012, SIENA, UNO VIVACE **JEEP** WRANGLER V6 3.6 2012 ATÉ 2016 **TOYOTA** ETIOS 1.5 2019

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-009-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
02M911021F, 02M911021R, BC4380000920, BC4380000921	4,5 x 12,0 x 12,3

APLICAÇÕES

VOLKSWAGEN FOX, GOL 2013, GOL G6, GOLF 1.2 TSI, POLO 2.0, SPACECROSS, UP 2013 EM DIANTE, UP! 1.0, VOYAGE 2013 EM DIANTE, VOYAGE G6

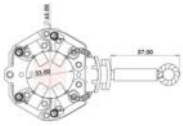


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-028-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
ZEN34002	5,9 x 12,9 x 14,3

APLICAÇÕES

DIVERSAS EMPILHADEIRAS

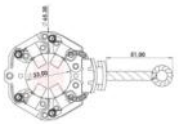


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-029-12V	DENSO		31225-RYE-A01,36159-25300

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
12663052, 36100-2E301, 4280004120, 4280004590, 4280005380, 4280005480, 428000-5510, 428000-5511, 4280005580, 4280005660, 4280006190, 4280006780, 4280007030, 4280007040, 4280007470, 4280007930, 4280007931, 4280007933, 4280007934, 4280007935, 4280007936, 4280007937, 4280007980, 4280008010, 4280008280, 4280008420, 428000-9130, 428000-9260, 4280009550, 4280009650, 4280009700, 4380001460, 4380001462, 4380001790, 438000-2410, 7631558, DSN967 TN438000-2410	5,5 x 19,0 x 15,5

APLICAÇÕES

ACURA MDX 3.7 **BMW** SÉRIE 1 (F21), SÉRIE 1 M 135I (F20), SÉRIE 2 (COUPÉ F22), SÉRIE 3 (GRAN TURISMO F34), SÉRIE 3 (SEDAN F30), SÉRIE 5 M, SÉRIE 6 (F12), SÉRIE 6 (F13), SÉRIE 7 (F01), SÉRIE 7 (F02), X5, X6 **CHEVROLET-GM** CAPTIVA, COBALT, EQUINOX **FIAT** PUNTO **HONDA** ACCORD, ODYSSEY **HYUNDAI** CRETA 2.0 **JAGUAR** XF **KIA** CARENS 2.0, SOUL 1.6 **LAND ROVER** RANGE ROVER EVOQUE 2.0 SI4 **MASERATI** GHIBLI, QUATTROPORTE **MERCEDES-BENZ** CAMINHÕES SPRINTER 210 CDI, CAMINHÕES SPRINTER 213 CDI, CAMINHÕES SPRINTER 311 CDI, CAMINHÕES SPRINTER 313 CDI, CAMINHÕES SPRINTER 316 CDI, CAMINHÕES SPRINTER 415 CDI, CAMINHÕES SPRINTER 515 CDI, CLASSE C 200 2.1 CDI, CLASSE C 220 2.1 CDI, CLASSE C 250 2.1 CDI, CLASSE E 200 2.1 CDI, CLASSE E 220 2.1 CDI, CLASSE E 250 2.1 CDI, CLASSE GLK 200 2.1 CDI, CLASSE GLK 220 2.1 CDI, VIANO 2.0 CDI, VIANO 2.2 CDI, VITO 2.1 CDI **PORSCHE** 911

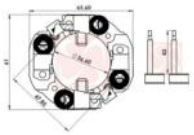


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-030-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
12663053, 4280004490, 4280005510, 4280005511, 4280008190, 4280008420, 4280008422, 4280008423, 4280008424, 4280007935, 4280008421, 438000-0470, 4380002400, 7645979, A0061514501, BJ3211001AC, BJ3211001AD, BJ3211001AE, DSN967, DU4R1, TN4380002400, TN438000-2400, TN4380004420	5,5 x 14,0 x 15,5

APLICAÇÕES

BMW MINI COOPER, SÉRIE 2, X1 **GM** S10 2015> 2.5 ECOTEC FLEX **HONDA** NEW CIVIC 1.8, NEW CIVIC 2.0 **LAND ROVER** FREELANDER, RANGE ROVER EVOQUE 2.0, RANGE ROVER EVOQUE 2.2 **MERCEDES-BENZ** CAMINHÕES CLASSE C 180 2.1 CDI, CAMINHÕES CLASSE C 200 2.1 CDI, CAMINHÕES CLASSE C 220 2.1 CDI, CAMINHÕES CLASSE C 250 2.1 CDI, CAMINHÕES CLASSE E 200 2.1 CDI, CAMINHÕES CLASSE E 220 2.1 CDI, CAMINHÕES CLASSE E 250 2.1 CDI, CAMINHÕES CLASSE GLK 200 2.1 CDI, CAMINHÕES CLASSE GLK 220 2.1 CDI, CAMINHÕES CLASSE GLK 250 2.1 CDI, CAMINHÕES CLASSE SLK 250 2.1 CDI, CAMINHÕES VIANO 2.0 CDI, CAMINHÕES VIANO 2.2 CDI, CAMINHÕES VITO 2.1 CDI, SPRINTER 213 2.1 CDI, SPRINTER 313 2.1 CDI, SPRINTER 316 2.1 CDI **TOYOTA** AURIS, AVENSIS, COROLLA, VERSO, YARIS

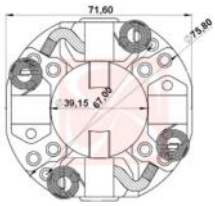


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-043-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
428000-1620, 428000-1630, 428000-3180, 428000-3960, 428000-4640, 428000-4810, 428000-4880, 428000-4920, 428000-5950, 428000-7221, 428000-7721, 438000-1511, AH22-11001-AC, FPLA-11001-BB	7,0 x 20,0 x 15,5

APLICAÇÕES

AUDI CAYENNE 3.0 DIESEL (2010-2011), PANAMERA 3.0 DIESEL (2011->), PORSCHE: CAYENNE 3.0 D (2010-2011), Q7 3.0 TDI (2007-2015), TOUAREG 3.0 V6 TDI (2010-2014), VOLKSWAGEM: TOUAREG 3.0 TDI (2010-2011) **CITROEN**
C4 2.0 HDI (2004-2013), C4 2.0 HDI GRAND PICASSO (2009->), C4 2.0 HDI PICASSO (2007-2010), C4 SPACETOURER 2.0 (2018->), C5 2.0 HDI (2004-2015), C5 2.2 HDI (2004->), C5 2.7 HDI (2008->), C6 2.7 HDI (2005-2008), C8 2.0 HDI (2002-2006), DISPATCH 2.0 HDI 4X4 (2011->), DS4 2.0 (2014->), DS4 2.0 HDI (2011-2014), DS5 2.0 HDI (2011-2014), GRAND C4 SPACETOURER 2.0 HDI (2018->), JUMPY 2.0 (2016->), JUMPY 2.0 HDI (2007->), JUMPY 2.0 HDI (2007-2016), XSARA 2.0 HDI (2000-2005), XSARA HATCH 1.9 (2000-2005) **FIAT** SCUDO 2.0 (2007->), SCUDO 2.0 MULTIJET (2007-2011), SCUDO 2.0 MULTIJET 4X4 (2007-2011) **LAND ROVER** DISCOVERY 2.7 TD (2004-2009), DISCOVERY 3 2.7 (2012), DISCOVERY 3.0 SDV6 4X4 DIESEL (2009-2020), DISCOVERY 3.0 TD 4X4 DIESEL (2009-2020), DISCOVERY 3.0 TD 4X4 DIESEL (2011-2017), FREELANDER, RANGE ROVER 3.0 SDV6 HÍBRIDO 4X4 (2014-2020), RANGE ROVER 3.0 TDV6 4X4 2993CC (2012-2020), RANGE ROVER 3.0 TDV6 4X4 DIESEL (2012-2020), RANGE ROVER DIESEL, RANGE ROVER SPORT 2.7 TDVM (2005-2009), RANGE ROVER SPORT 3.0 D 4X4 DIESEL (2010-2013), RANGE ROVER SPORT 3.0 SDV6 4X4 DIESEL (2013-2020), RANGE ROVER SPORT 3.0 SDV6 HÍBRIDO 4X4 (2013-2020), RANGE ROVER SPORT 3.0 TDV6 4X4 DIESEL (2013-2020) **LEXUS** IS 2.2 D (2010->), IS 220 2.2 D (2005->), LX570 5.7 (2008-2011) **PEUGEOT** 06 2.2 HDI (2000-2004), 3008 1.6 (2018->), 3008 2.0 (2015-2016), 3008 2.0 HDI (2011-2016), 3008 2.0 HYBRID (2011-2016), 307 2.0 HDI (2003->), 308 2.0 HDI (2012-2013), 308 CC 2.0 HDI (2009->), 308 SW 2.0 HDI (2011-2014), 406 2.0 HDI (2001-2004), 407 2.0 HDI (2004-2009), 407 2.7 HDI (2005-2008), 407 SW 2.0 HDI (2004->), 5008 1.6 (2018->), 5008 2.0 (2018->), 5008 2.0 HDI (2009-2016), 508 2.0 (2018->), 508 2.0 HDI (2010-2014), 508 2.0 HDI AWC (2010->), 508 SW 2.0 HDI (2010-2014), 508 SW 2.0 HDI HYBRID (2011->), 607 2.0 HDI (2005->), 607 2.7 HDI 24V (2004->), 807 2.0 HDI (2006-2009), BOXER 2.0 HDI (2015->), EXPERT 2.0 (2016->), EXPERT 2.0 HDI (2007-2016), EXPERT 2.0 HDI 4X4 (2007-2011), RCZ 2.0 HDI (2010->), TRAVELLER 2.0 HDI (2016->) **TOYOTA** AURIS 2.0 D-4D (2007->), AURIS 2.2 D (2007->), AVENSIS 2.0 D-4D (2006-2011), AVENSIS 2.2 D-4D (2005->), COROLLA 2.2 D-4D (2006->), COROLLA 2.2 D-4D VERSO (2005->), LAND CRUISER 5.7 (2008-2011), RAV4 2.2 D-4D (2006-2008), SEQUOIA 5.7 (2008-2011), TUNDRA PICKUP 5.7 (2007-2011), VERSO 2.0 D-4D (2009-2012)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-050-12V	DENSO	PLGR	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
428000-8760, 4280008761, 428000-8761, 4280008762, 428000-8762, 4280008763, 428000-8763, 428000-8764, 428080-8760, 4380004441, 4882807, DSN2094, RE531501	9,0 x 30,0 x 21,0

APLICAÇÕES

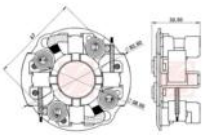
JOHN DEERE 250 61HP, 260 69HP, 5078 4.5, 5085 4.5, 5090 4.5, 5310, 5310N, 5410, 5410N, 5420 4.5L DIESEL, 5510, 5520 4.5L DIESEL, 5615, 5715

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-052-24V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
2771833, 2886976, 288-6976, 3012744, 301-2744, 3303123 330-3123	10,0 x 40,0 x 26,0

APLICAÇÕES

CATERPILLAR 613G, 653D, D6K, D6N, PL61, R1300G II **DIVERSAS** 963D

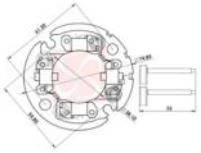


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-153-12V	DENSO	OSGR	0285100500,0285105390,2814054070, 2814077090,3964427

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1280000530, 1280000540, 1280000550, 1280000972, 1280000973, 1280001000, 1280001001, 1280001060, 1280001560, 1280001572, 1280001573, 1280001574, 1280003081, 1280004080, 1280004100, 1280004101, 1280004111, 1280005090, 1280005600, 1280006170, 1280006810, 1280006920, 1280007280, 1280007281, 1280007282, 1280007283, 1280007600, 1280007601, 1280007602, 1280007603, 1280007604, 1280008064, 1280008641, 1280009970, 1280009971, 1430539, 2280000270, 2280000570, 2280000571, 2280000572, 2280000573, 2280000574, 2280000575, 2280000630, 2280000633, 2280000842, 2280001350, 2280001440, 2280001590, 2280001600, 2280001601, 2280001610, 2280001611, 2280001661, 2280001830, 2280002030, 2280002031, 2280002290, 2280002292, 2280003080, 2280003710, 2280003810, 2280003811, 2280004160, 2280004940, 2280004941, 2280005210, 2280005340, 2280005341, 2280005640, 2280005641, 2280005810, 2280005811, 2280005980, 2280005981, 2280006291, 2280006400, 2280006401, 2280006470, 2280006471, 2280007300, 2280007301, 2280007500, 2280008510, 2280009050, 240003000, 240003020, 240003042, 280005000, 280005490, 280005520, 280005530, 280005560 280005581, 280005620, 280005691, 280005840, 280005862 280005863, 280005864, 280005880, 280005890, 280005891 280006060, 280006061, 280006201, 280006290, 280006291 280006560, 280006561, 280006870, 280006880, 280006890 280006891, 280007221, 280007231, 280007241, 280007242 280007800, 280007801, 280007802, 280008400, 280008401 280008402, 280008403, 280008840, 280008841, 280008843 280009040, 280009160, 280009330, 280009331, 4280001190, 4280001660, 4280001690, 4280001691, 4280001830, 4280002631, 4280003140	8,0 x 25,0 x 21,0

APLICAÇÕES

ASIA MOTORS TOPIC **BOBCAT** MINI PÁ CARREGADEIRA 853, MINI PÁ CARREGADEIRA 853C, MINI PÁ CARREGADEIRA 853H, MINI PÁ CARREGADEIRA 853HC, MINI PÁ CARREGADEIRA 975 **CASE** MINI PÁ CARREGADEIRA 1840, MINI PÁ CARREGADEIRA 1845, RETROESCAVADEIRA 580, RETROESCAVADEIRA 580C, RETROESCAVADEIRA 590CK, RETROESCAVADEIRA 590L **CATERPILLAR** EMPILHADEIRA V60, EMPILHADEIRA V80 **CHRYSLER** NEON 1.6I, NEON 2.0I, PT CRUISER 1.6 **DAIHATSU** ROCKY 2.8 TD **DIVERSAS** ALLIS-CHALMERS, CUMMINS, DODGE, HINO, ISUZU, JOHN DEERE, KUBOTA, MITSUI-DEUTZ, TELEDYNE/CONTINENTAL, TRUCK, VERSATILE, WHITE, YANMAR **HITACHI** ESCAVADEIRA ZX330, ESCAVADEIRA ZX350, ESCAVADEIRA ZX370 **KOMATSU** EMPILHADEIRA FD40 **OPEL** ASTRA 1.4I, CORSA 1.2, KADETT 1.6I, VECTRA 1.4 **TOYOTA** 4RUNNER 2.4 TD, BANDEIRANTE COM MOTOR 14B, CROWN 2.2 DIESEL, EMPILHADEIRA 2FD100, EMPILHADEIRA 2FD115, EMPILHADEIRA 2FD135, EMPILHADEIRA 3FD, EMPILHADEIRA 4FD20, EMPILHADEIRA 4FD23, EMPILHADEIRA 5FD20, EMPILHADEIRA 5FD70, EMPILHADEIRA 6FD25, EMPILHADEIRA 6FD30, HIACE 2.2 DIESEL, HIACE 2.4 DIESEL, HILUX 2.4 DIESEL, LAND CRUISER 2.4 DIESEL, LAND CRUISER 2.4 TD, LAND CRUISER 2.6 DIESEL, LAND CRUISER 4.0 D, LAND CRUISER 4.0 TD

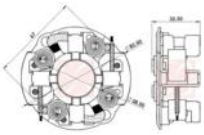


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-154-12V	DENSO		028510-0640,28140-50020,28140-54070, 0285100840,0285105500,0K71F24720, 3617027000,361724X200,X0285100640

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
028000-2880, 0280007000, 028000-7001, 0280007002, 028000-7370, 028000-7372, 028000-7373, 0280007790, 028000-7791, 028000-8130, 0280008370, 0280008371, 0280008760, 0280008761, 0280008762, 028000-9030, 0280009031, 0280009032, 0280009830, 031013030, 031013050, 031013170, 031013190, 031013220, 031114020 031114140, 031114200, 031114240, 128000-0040, 1280000360, 1280000570, 128000-0960, 1280001040, 128000-1180, 1280002070, 1280004390, 1280004391, 1280004660, 1280005350, 1280005760, 1280006400, 1280007300, 1280007350, 1280007353, 1280007382, 1280009590, 1280009591, 1280009592, 1542563012, 2280000200, 228000-0240, 228000-0400, 2280000450, 2280000460, 2280000640, 2280000691, 2280000880, 2280001780, 2280001890, 2280002630, 2280002970, 2280003000, 2280003640, 2280004210, 2280004980, 2280005020, 2280005021, 2280005022, 228000-5023, 2280009220, 28100-67050, 4280002650, 5811001662, 5811001663, 5811001664, 5811001830, 8944489590, 8944489591	8,0 x 25,0 x 15,0

APLICAÇÕES

CARRIER MÁQUINAS DIVERSAS **CHRYSLER** VOYAGER 2.5 D **DAIHATSU** ROCKY 2.8 **DIVERSAS** ALLIS-CHALMERS, CATERPILLAR, CHEVROLET-GM, DODGE, GMC, KOMATSU, KUBOTA, LEXUS, MITSUI-DEUTZ **HYSTER** EMPILHADEIRA H250XM **ISUZU** CAMINHÕES NKR 2.8 D, CAMINHÕES NKR 3.1 D, FASTER, TROOPER **KIA** BESTA 2.7 **OPEL** CAMPO 2.2 D, CAMPO 2.2 TD **THERMO KING** MÁQUINAS DIVERSAS **TOYOTA** 4RUNNER 3.0 TD, CAMRY 2.0 TD, CAMRY 2.8 TD, CARINA 2.0 D, COROLLA 2.0 D, CROWN 2.2 D, HIACE 2.4 D, HIACE 2.5 D-4D, HILUX 2.2 D, HILUX 2.4 TD, HILUX 2.5 D-4D, HILUX 2.8, LAND CRUISER 2.4 D, LAND CRUISER 3.0 D-4D, LITEACE 1.8 D, RAV4 2.0 D-4D **YANMAR** MINI TRATOR GE350, MOTOR 3TNE84, MOTOR 3TNV84, MOTOR 3TNV88



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-161-24V	DENSO		028510-0500,28140-77090,0285105390

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
028000-4800, 028000-5300, 028000-5301, 028000-5510, 028000-5511, 028000-5530, 028000-5550, 028000-5570, 028000-5690, 028000-5860, 028000-5861, 028000-6010, 028000-6012, 028000-6200, 028000-6460, 028000-7240, 028000-7810, 028000-8070, 028000-9040, 028000-9140, 028000-9760, 128000-1560, 128000-1561, 128000-1570, 128000-1571, 128000-1790, 128000-3080, 128000-8620, 128000-8621, 228000-7902, 3957593, 4996709	8,0 x 25,0 x 21,0

APLICAÇÕES

ASIA MOTORS TOPIC **CUMMINS** MOTOR ISB 6.7 **DAIHATSU** ROCKY 2.8 TD **DIVERSAS** ALLIS-CHALMERS, CASE, CATERPILLAR, DODGE, FORKLIFT, HINO, JOHN DEERE, MITSUI-DEUTZ, TELEDYNE / CONTINENTAL, VERSATILE, WHITE, YANMAR **HITACHI** ESCAVADEIRA EX220 **ISUZU** TRUCK **KOMATSU** EMPILHADEIRA FD40 **KUBOTA** TRATOR M5500DT, TRATOR M5500F, TRATOR M5950DT, TRATOR M6030DTN, TRATOR M6030L, TRATOR M7030DT, TRATOR M7030DTL, TRATOR M7030DTNB, TRATOR M7030F, TRATOR M7030L, TRATOR M7030N, TRATOR M7030SUDT, TRATOR M7500DT, TRATOR M7500F, TRATOR M7500L, TRATOR M8030DT, TRATOR M8030DTL, TRATOR M8030DTM, TRATOR M8030DTS, TRATOR M8030F, TRATOR M8030MDTL, TRATOR M8030MF, TRATOR M8030ML, TRATOR MF5950DTS, TRATOR MF5950FC, TRATOR MF5950S, TRATOR MF6030DTL **TOYOTA** 4RUNNER 2.4 TD, BANDEIRANTE 3.6 D, CROWN 2.2 DIESEL, HIACE 2.2 DIESEL, HIACE 2.4 DIESEL, HIACE 2.4 TD, HILUX 2.4 DIESEL 4WD, LAND CRUISER 2.4 DIESEL, LAND CRUISER 2.4 TD, LAND CRUISER 2.6 DIESEL, LAND CRUISER 3.6 D, LAND CRUISER 4.0 D, LAND CRUISER 4.0 TD, LAND CRUISER 4.2 D, LAND CRUISER 4.2 TD, MÁQUINA EMPILHADEIRA 2FD100, MÁQUINA EMPILHADEIRA 2FD115, MÁQUINA EMPILHADEIRA 2FD135, MÁQUINA EMPILHADEIRA 3FD, MÁQUINA EMPILHADEIRA 4FD20, MÁQUINA EMPILHADEIRA 4FD23, MÁQUINA EMPILHADEIRA 5FD20, MÁQUINA EMPILHADEIRA 6FD25, MÁQUINA EMPILHADEIRA 6FD30, MÁQUINA EMPILHADEIRA FD100, MÁQUINA EMPILHADEIRA FD70

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-169-12V	DENSO	OSGR	028510-0880,1.81118-0430,28140-1310A2814023440

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1280000490, 1280000491, 1280000492, 1280002450, 1280002470, 1280002740, 1280003360, 1280003361, 1280004220, 1280004250, 1280004682, 1280004683, 1280004684, 1280004685, 1280004687, 1280004910, 1280005370, 1280005510, 1280005620, 1280005730, 1280005731, 1280005732, 1280005733, 2280000331, 2280000585, 2280000700, 2280000874, 2280002200, 2280002470, 2280002670, 2280002800, 228000331, 2280003310, 228000332, 2280003320, 2280003700, 2280005000, 2280005001, 2280005311, 2280005460, 2280005610, 2280005621, 2280005631, 2280005650, 2280005651, 228000573, 2280005730, 228000585, 2280005850, 2280006530, 2280006540, 2280006550, 2280006560, 2280006561, 2280006562, 2280006572, 2280006870, 2280007010, 2280007380, 2280007410, 2280007411, 2280007412, 2280007413, 2280007550, 2280007870, 2280008082, 2280008370, 2280008470, 2280009020, 2280009140, 2280009150, 2280009151, 2280009630, 2280009750, 2280009760, 4280001370, 4280002370, 4280002590, 4280002860, 4280003320, 4280003900, 4280004440, 4280005190, 4280006900, 4280006901, 811002340	10,0 x 30,0 x 20,0

APLICAÇÕES

CASE COLHEITADEIRA 1620, COLHEITADEIRA 1640, COLHEITADEIRA 1644, COLHEITADEIRA 1666, COLHEITADEIRA 1668, COLHEITADEIRA 1670, COLHEITADEIRA 1680, COLHEITADEIRA 1688, COLHEITADEIRA 1822, COLHEITADEIRA 1844, COLHEITADEIRA 2055, COLHEITADEIRA 2144, COLHEITADEIRA 2155, COLHEITADEIRA 2166, COLHEITADEIRA 2188, COLHEITADEIRA 5088 8.8, COLHEITADEIRA 5088 8.9, COLHEITADEIRA 6088 8.9, COLHEITADEIRA 7088 8.9, TRATOR 1690, TRATOR 1896, TRATOR 2090, TRATOR 2094, TRATOR 2096, TRATOR 2290, TRATOR 2294, TRATOR 2366, TRATOR 2388, TRATOR 2390, TRATOR 2394, TRATOR 2399, TRATOR 2470, TRATOR 2590, TRATOR 2594, TRATOR 2670, TRATOR 2688, TRATOR 2799, TRATOR 2870, TRATOR 3294, TRATOR 3394, TRATOR 3594, TRATOR 4490, TRATOR 4494, TRATOR 4690, TRATOR 4694, TRATOR 4890, TRATOR 4894, TRATOR 4994, TRATOR 7110, TRATOR 7120, TRATOR 7130, TRATOR 7140, TRATOR 7210, TRATOR 7220, TRATOR 7230, TRATOR 7240, TRATOR 7250, TRATOR 8930, TRATOR 9110, TRATOR 9130, TRATOR 9210 8.3, TRATOR 9230 8.3, TRATOR 9240 8.3, TRATOR 9310 8.3, TRATOR 9330 8.3 **CATERPILLAR** MOTOR 3114, MOTOR 3116 **CUMMINS** MOTOR ISC 8.3 **ISUZU** CAMINHÕES NPR 3.9 **JOHN DEERE** COLHEITADEIRA 7180, COLHEITADEIRA 7250, COLHEITADEIRA 9540 6.8 WTS, COLHEITADEIRA 9560 8.1 WTS, COLHEITADEIRA 9580 8.1 WTS, COLHEITADEIRA 9640 8.1 WTS, COLHEITADEIRA 9660 8.1 WTS, COLHEITADEIRA 9680 8.1 WTS, COLHEITADEIRA DE CANA 3520, COLHEITADEIRA DE CANA CH570, COLHEITADEIRA DE CANA CH670, ESCAVADEIRA 350D, PÁ CARREGADEIRA 344J, PULVERIZADOR (GAFANHOTO) 4930, TRATOR 8110 8.1, TRATOR 8120 8.1, TRATOR 8210 8.1, TRATOR 8220 8.1, TRATOR 8310 8.1, TRATOR 8320 8.1, TRATOR 8410 8.1, TRATOR 8420 8.1, TRATOR 8520 8.1 **NEW HOLLAND** TRATOR TG285

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-170-24V	DENSO	OSGR-5,5KW	0285100880,1811180430,281401310A, 2814023440

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1280000490, 1280002450, 1280002470, 1280002560, 1280002740, 1280003360, 1280003361, 1280004250, 1280004682, 1280004683, 1280004684, 1280004685, 1280004687, 1280004910, 1280005370, 1280005730, 1280005731, 1280005732, 2280007550, 2280000874, 2280002200, 2280002470, 2280002670, 2280002800, 2280003310, 2280003320, 2280003700, 2280005000, 2280005001, 2280005003, 2280005052, 2280005311, 2280005460, 2280005610, 2280005621, 2280005631, 2280005650, 2280005651, 2280005730, 2280005850, 2280006530, 2280006540, 2280006550, 2280006560, 2280006561, 2280006562, 2280006570, 2280006572, 2280007010, 2280007380, 2280007410, 2280007411, 2280007412, 2280007413, 2280007550, 2280007870, 2280008082, 2280008470, 2280009020, 2280009140, 2280009150, 2280009151, 2280009630, 2280009750, 2280009760, 3957597, 4280001340, 4280001370, 4280002370, 4280002590, 4280002591, 4280003900, 4280004080, 4280004440, 4280006900, 4280006901, 438000-0600, 5801543247, 99486046, TG438000-0600	10,0 x 30,0 x 20,0

APLICAÇÕES

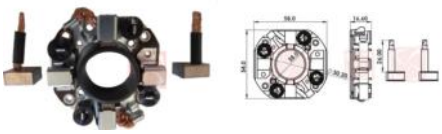
CASE PÁ CARREGADEIRA 621C, PÁ CARREGADEIRA 621D, TRATOR DE ESTEIRAS 850K **CATERPILLAR** MOTONIVELADORA 120B, MOTOR 3114, MOTOR 3116 **DIVERSAS** CUMMINS, DODGE, ISUZU **HYUNDAI** ESCAVADEIRA R305 **ISUZU** CAMINHÕES DIVERSOS, MOTORES DIVERSOS **IVECO** CAMINHÃO 190 E38, CAMINHÃO 190 E39, CAMINHÃO 190 E43, CAMINHÃO 190 E44, CAMINHÃO 190 S40, CAMINHÃO 190 S43, CAMINHÃO 190 S48, CAMINHÃO 260 E38, CAMINHÃO 260 E39 **JOHN DEERE** ESCAVADEIRA 370C, MOTONIVELADORA 670D, PÁ CARREGADEIRA 644K, PÁ CARREGADEIRA 724K, PÁ CARREGADEIRA 744K, REMOVEDORA DE ÁRVORES 1010D, REMOVEDORA DE ÁRVORES 1110D, REMOVEDORA DE ÁRVORES 1270D, REMOVEDORA DE ÁRVORES 1470D REMOVEDORA DE ÁRVORES 1710D, REMOVEDORA DE ÁRVORES 703J, REMOVEDORA DE ÁRVORES 703JH, REMOVEDORA DE ÁRVORES 753J, REMOVEDORA DE ÁRVORES 753JH, REMOVEDORA DE ÁRVORES 759J, REMOVEDORA DE ÁRVORES 759JH, REMOVEDORA DE ÁRVORES 810D, REMOVEDORA DE ÁRVORES 853J, REMOVEDORA DE ÁRVORES 853JH, REMOVEDORA DE ÁRVORES 903J, REMOVEDORA DE ÁRVORES 903JH, REMOVEDORA DE ÁRVORES 909J, REMOVEDORA DE ÁRVORES 909JH, REMOVEDORA DE ÁRVORES 953J, REMOVEDORA DE ÁRVORES 959J, TRATOR DE ESTEIRAS 700J, TRATOR DE ESTEIRAS 750J, TRATOR DE ESTEIRAS 850J **KOMATSU** ESCAVADEIRA PC220LC

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-208-12V	DENSO		028510-0750,028510-5320,2814015090, 2814035060

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
028510-0750, 028510-5320, 10455703, 10455709, 12800-701 12800-712, 12800-756, 12800-771, 12800-822, 12800-845, 12800-878, 12800-938, 12800-975, 22800-036, 22800-047, 22800-071, 22800-090, 22800-162, 22800-255, 22800-301, 22800-303, 22800-328, 22800-399, 22800-642, 22800-720, 22800-8110, 22800-8111, 280-0299, 61111016, 63223530	7,0 x 16,0 x 16,0

APLICAÇÕES

BOBCAT MINI PÁ CARREGADEIRA 322 **CARRIER** TRANSICOLD **CHEVROLET GM** CORVETTE 5.7 V8 **CHRYSLER** GRAND VOYAGER IV 3.3 V6, LE BARON 3.0I V6, SARATOGA 3.0I, VOYAGER II 3.0 V6, VOYAGER II 3.3 V6, VOYAGER II 3.8 V6 **DAIHATSU** CHARADE II 1.0 D, CHARADE III 1.0 TD **DIVERSAS** ACURA, EAGLE, FIAT, HARLEY DAVIDSON, ISUZU, PLYMOUTH **DODGE** CARAVAN III 3.3, CARAVAN III 3.8 **HONDA** ACCORD II 1.8, ACCORD III 1.8, ACCORD III 2.0, ACCORD IV 2.0I, ACCORD IV 2.2I, CIVIC II 1.5, PRELUDE 1.6, PRELUDE II 1.8, PRELUDE IV 2.3I, PRELUDE V 2.2I, SHUTTLE 2.2 16V **HYSTER** EMPILHADEIRA 604 **THERMO KING** REFRIGERADOR DE AR KD-II SR, REFRIGERADOR DE AR MD-II MAX, REFRIGERADOR DE AR MD-II SR, REFRIGERADOR DE AR RD-I TLE, REFRIGERADOR DE AR TS-200, REFRIGERADOR DE AR TS-300, REFRIGERADOR DE AR TS-500 **TOYOTA** 4RUNNER 2.4, CELICA 2.0, EMPILHADEIRA 3FG50, EMPILHADEIRA 40FG, EMPILHADEIRA 5FG50, EMPILHADEIRA FG25, HILUX 2.4, LAND CRUISER 2.4, LITEACE 2.2 **YANMAR** MINI TRATOR GE350



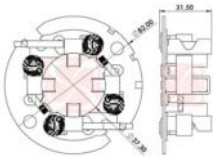
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-209-12V	DENSO	OSGR	028510-5190,8943677950,1495863381, 3117360B50,2814070020

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
04801850AA, 1280002680, 1280002682, 128000-5210, 128000-5211, 1280005681, 128000-5682, 1280006210, 1280006211, 1280006212, 1280006240, 1280006340, 1280006341, 128000-6420, 1280006421, 128000-6422, 128000-6720, 128000-6721, 128000-7400, 1280008530, 1280008531, 1280008880, 1280008881, 1280008890, 1280008891, 1280009220, 1280009290, 1280009291, 1280009292, 1280009470, 2280000550, 2280000551, 2280000940, 2280000941, 2280001331, 2280001550, 2280002010, 2280002900, 2280004020, 2280004030, 2280005400, 2280005440, 2280005480, 2280005481, 2280005590, 2280005750, 2280005910, 2280005911,	6,5 x 12,9 x 14,2

2280005960, 2280005970, 2280006450, 2280006460, 2280006620, 2280006680, 2280006730, 2280006740, 2280006750, 2280006760, 2280006840, 2280007090, 2280007160, 2280007161, 2280007470, 2280007480, 2280007581, 2280007591, 2280007791, 2280008090, 2280008360, 2280008540, 2280008550, 2280008930, 2280009650, 2280009652, 22800-7091, 228009631, 22800-9642, 228009651, 28000-5680, 2810011080, 2810016230, 4280000320, 428000-0321, 4280000860, 428000-0960, 4280001160, 4280001360, 4280001590, 4280002560, 428000-3420, 4280005011, 4280005290, 4280005800, 4280006640, 438000590, 63111010

APLICAÇÕES

BOBCAT MINIPÁCARREGADEIRAT83S **DAIHATSU** APPLAUSEI1.64X4, CHARADEII1.3, CHARADEIV1.316V, CHARADEIV1.5, CHARADEIV1.616VGTI, COPEN1.3, FEROZA1.6, GRANMOVE1.516V, HIJET(EXTOL)1.3, MATERIA1.5, SIRIONII1.3, TERIOSI1.34WD, TERIOSII1.54WD **DODGE** DAKOTA3.7, DAKOTA4.7, DURANGO3.7, RAM3.7, RAM4.7 **HONDA** ACCORDV2.3I16V, ACCORDVI2.2TYPE-R ACCORDVII2.0, ACCORDVII2.04X4, ACCORDVII2.4I, ACCORDVIII2.0I, CIVICVII1.7I, CIVICVII2.0I, CIVICVIII1.8, CR-VI2.0I16V, CR-VII2.0, CR-VII2.4I, CR-VII2.4VTEC, CR-VIII2.0I, EDIX2.0, FR-V1.8, FR-V2.0, JAZZII1.2I, JAZZII1.3I, JAZZII1.4, PRELUDEV2.2I16V, STREAM2.016V **JOHNDEERE** TRATORES **KUBOTA** CORTADORDEGRAMAZD25, CORTADORDEGRAMAZD28 **MITSUBISHI** RAIDER3.7, RAIDER4.7 **SUZUKI** ALTOIII1.0, ALTOIV1.1, BALENO1.3, BALENO1.6, GRANDVITARAII1.6, JIMNY1.34X4, SWIFTII1.3, SWIFTII1.6, SWIFTIII1.3, SX41.5, SX41.6, WAGONR+1.3 **TOYOTA** AURIS1.4VVT-I, AVENSIS1.6VVT-I, AVENSIS1.8VVT-I, CAMRY1.8TD, CAMRY2.0TD, CARINA2.0D, CARINAII2.0D, CELICA1.8I16V, COROLLA1.3, COROLLA1.4VVT-I, COROLLA1.6, COROLLA2.0D, CROWN2.0, LITEACE1.8D, MR2III1.8VVT-I, RAV4II1.8, YARISI1.016V, YARISI1.5VVT-I, YARISII1.3VVT-I **YANMAR** MINITRATORGE350

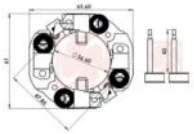


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-211-12V	DENSO	OSGR	0285105010,8941674300,2814064040, 2814087602

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1280000832, 1280005350, 1280005760, 1280009560, 2280000200, 2280000391, 2280000460, 2280000880, 2280001780, 2280001890, 2280001891, 2280001892, 2280001893, 2280002630, 2280003000, 2280003640, 2280003642, 2280004210, 2280004980, 2280005020, 2280005021, 2280005022, 2280005023, 2280008040, 2280008041, 2280009010, 2280009220, 28140-60040-000, 4280002650	8,0 x 25,0 x 15,0

APLICAÇÕES

DAIHATSU ROCKY 2.8 D **HYSTER** EMPILHADEIRA H250 XM **ISUZU** CAMINHÃO NKR 2.8 D, CAMINHÃO NKR 3.1 D, CAMPO 2.5 TD, TROOPER 2.8 D, TROOPER 2.8 TD **KIA** BESTA 2.7, BESTA 2.8 BESTA 3.0, CAMINHÃO BONGO **KOMATSU** PÁ CARREGADEIRA WA70-6 **OPEL** FRONTERA 2.8 TD, MONTEREY 3.1 TD **TOYOTA** 4RUNNER 3.0 TD, AVENSIS 2.0 D-4D, CAMRY 1.8 TD, CAMRY 2.0 TD, CARINA 2.0 D, CARINA II 2.0 D, COROLLA 2.0 D, HIACE IV 2.5 D D-4D, HILUX 2.5 D D-4D, HILUX 2.8 D, HILUX 3.0 D, LAND CRUISER 3.0 D-4D, LITEACE 1.8 D, RAV4 II 2.0 D-4D

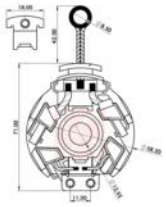


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-212-12V	DENSO	OSGR	028510-5800,0285106020,31208-P5G-0030, RFL118X70,2814054380,2814062030

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
2280002120, 2280002121, 2280002122, 2280002123, 2280002124, 2280002680, 2280002682, 2280002690, 2280002700, 2280002980, 2280002990, 2280003260, 2280003840, 2280003841, 2280003842, 2280003850, 2280003851, 2280003852, 2280003920, 2280004050, 2280004291, 228000-4390, 228000-4391, 228000-4392, 2280004570, 2280004571, 2280004580, 2280004590, 2280004740, 2280004750, 2280004790, 2280004830, 2280005120, 2280005121, 2280005382, 2280005791, 2280005860, 2280005861, 2280005862, 2280006010, 2280006482, 2280006921, 2280006951, 2280007111, 2280007220, 2280007390, 2280007800, 2280007801, 2280008150, 2280008430, 2280008440, 280-7000, 2810054380, 28100-54380, 4280000250, 4280000260, 4280000500, 4280001280, 4280002730	7,0 x 25,0 x 15,5

APLICAÇÕES

CASE TRATORES **DIVERSAS** ACURA, DODGE, GEHL, HYSTER, LEXUS, NEW HOLLAND, PETTER, YALE **FORD** ECONOVAN 2.0 D, RANGER 2.5 D, RANGER 2.5 TD, RANGER 2.5 TDCI **HYSTER** EMPILHADEIRA H110XL, EMPILHADEIRA H135XL, EMPILHADEIRA H155XL, EMPILHADEIRA H155XL2, EMPILHADEIRA H70XL, EMPILHADEIRA S120XL, EMPILHADEIRA S135XL, EMPILHADEIRA S155XL EMPILHADEIRA S70XL **KIA** BESTA 2.2 D, RETONA 2.0 TD, SPORTAGE I 2.0 TD **LAND ROVER** DEFENDER 2.5 TD, DISCOVERY II 2.5 TD, FREELANDER I 2.0 TD **MAZDA** 626 III 2.0 D, 626 IV 2.0 D B22000 2.2 D, B2500 2.5 TD, BT50 2.4, BT50 3.0 CDVI **MINI** ONE 1.4 D **NEW HOLLAND** MINI PÁ CARREGADEIRA L175, TRATOR 1920, TRATOR 2120 **SUZUKI** GRAND VITARA I 2.0 TD, VITARA 2.0 TD **TOYOTA** 4RUNNER 2.7, 4RUNNER 3.0 TD, AURIS 1.4 D-4D, COROLLA 1.4 D-4D, DYNA 100 1995 EM DIANTE, DYNA 150 2.4 1987 ATÉ 1988, HIACE 2.4 DIESEL, HIACE 2.4 TD, HIACE 2.4 TD 4WD, HILUX 2.4 TD 4WD, HILUX 2.5 D-4D, LAND CRUISER 2.4 TD, LAND CRUISER 3.0 D-4D, LAND CRUISER 4.5, SL, YARIS II 1.4 D-5D

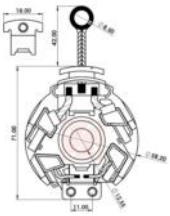


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-242-12V	DENSO	DND-09	128099-6320,128099-6321,28100-28041,22800-990,0285107620,1280996310,1280996312, 1280996660,2813020020,2813028040, 2813037120,23337AA160

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
17825, 2280009900, 2280009901, 2280009902, 23300AA49A281000A010, 2810020020, 2810028040, 2810028041, 281002804184, 2810028050, 2810031040, 4280000024, 4280000150, 4280000151, 4280000152, 4280000340, 4280000341, 4280001080, 4280001261, 4280001311, 4280001840, 4280002290, 4280003040, 4280003090, 4280005830, 4280005871, 4280005880, LRS02261, M000T20171, M0T20171	4,5 x 8,4 x 15,0

APLICAÇÕES

OBSERVAÇÕES Sentido de Rotação Anti-Horário **LEXUS** ES300 6 CIL 3.0L 2002 ATÉ 2003, GS250 IV 2.5, GS300 III 3.0 V6, IS250 II 2.5, IS250 III2.5, RX300, RX330, RX350, SCION 2.4, SCION TC 4 CIL. 2.4L 2005 ATÉ 2006 **PONTIAC** VIBE 1.8L 2003 ATÉ 2008 **SAAB** 9-2X 2.0, 9-2X 2.5 **SUBARU** FORESTER 2.0, FORESTER 2.0 TURBO, FORESTER 2.5, IMPREZA 2.0 WRX TURBO, LEGACY III 2.0, OUTBACK 2.5I 16V, OUTBACK 3.0 24V **TOYOTA** 4RUNNER, AVENSIS, CAMRY 2.4L, CAMRY 3.0L, COROLLA 1.6, COROLLA 1.8 VVTL-I, FORTUNER 2.7 VVTI FLEX, HIGHLANDER 4 CIL. 2.4L 2004 ATÉ 2007, HILUX 2.5 DIESEL, HILUX 2.7 VVT-I FLEX, LAND CRUISER, MATRIX 2003 ATÉ 2008, RAV4, SOLARA 4 CIL. 2.4L 144CID 2002 ATÉ 2006, SOLARA 6 CIL. 3.0L 2002 ATÉ 2005, SW4 2.7 VVT-I FLEX, VIGO 2.5 DIESEL, VIGO 2.7 WTI FLEX, YARIS 1.3 16V, YARIS II 1.8 VVTI

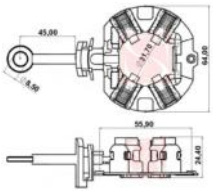


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-254-12V	DENSO		1280996310

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
228000-9900, 228000-9901, 228000-9902, 28100-0H050, 28100-0H051, 28100-28041, 428000-0690, 428000-0700	4,5 x 8,4 x 15,0

APLICAÇÕES

OBSERVAÇÕES Sentido de Rotação Horário **LEXUS** ES 300 3.0L, ES 330 3.3L, ES 350 3.5L, RX 330 3.3L, RX 350 3.5L **SCION** TC 2.4 VVT, XB 2.4L **TOYOTA** AVALON 3.5L, AVENSIS 2.0, AVENSIS 2.4, CAMRY 2.4L, CAMRY 3.0L, CAMRY 3.3L, CAMRY 3.5L, HIGHLANDER 2.4, HIGHLANDER 4CYL, RAV4 2.4L, RAV4 3.5L, SIENNA 3.0L, SIENNA 3.3L, SIENNA 3.5L, SOLARA 2.4, SOLARA 3.3, VENZA 3.5L

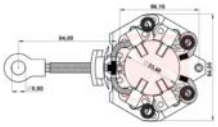


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-318-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
281000L141, 28100-0L180, TG4380000130, TG438000-1790	5,5 x 18,5 x 10,3

APLICAÇÕES

TOYOTA HILUX 2.8, HILUX 3.0

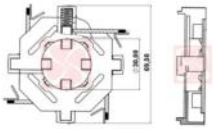


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-323-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
428000-0670, 428000-0680, 428000-0700, 428000-1640, 428000-1750	4,5 x 14,0 x 10,0

APLICAÇÕES

BMW 320I (2003-2005), 325I (2002-2006), 330I (2003-2006), 525I (2003-2004), 530I (2003-2004), X3 (2004-2006), Z4 (2003-2005) **TOYOTA** AVENSIS 1.6 (2003-2009), AVENSIS 2.0 (2003-2009), COROLLA 1.6 (2004-2007), COROLLA 1.8 (2001-2007)

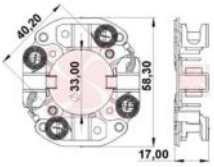


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-327-12V	DENSO		28514-5020

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0280002551, 0280009490, 0281085010, 1209803, 1209817 1218163011, 1218263011, 1218363011, 1218363012, 1249863010, 1249963010, 1280002520, 1280002621, 1280002631, 1280002800, 1280002820, 1280002890, 1280002980, 1280003090, 1280003250, 1280003251, 1280003260, 1280003261, 1280003262, 1280003530, 1280003540, 1280003650, 1280003651, 1280004020, 1280004030, 1280004031, 1280004032, 1280004060, 128000423, 1280004270, 1280004290, 1280004291, 1280004430, 1280004520, 1280004530, 1280004531, 1280004532, 1280004700, 1280004800, 1280004870, 1280005010, 1280005500, 1280005650, 1280006550, 1280006980, 1280007050, 1280007051, 1280007110, 1280007150, 1280007160, 1280007480, 1280007490, 1280007580, 1280007581, 1280007720, 1280007740, 1280007860, 1280007940, 1280008040, 1280008540, 1280008920, 1280008930, 1280009170, 1280009171, 1280009210, 1280009360, 1280009362, 1280009363, 1280009980, 1280009981, 1430539, 16880, 17187, 17439, 17601, 17604, 17628, 17946, 18009, 18010, 18011, 18012, 18048, 18196, 18266, 18404, 18425, 18450, 18504, 18511, 18512, 18533, 18549, 18871, 18873, 18982, 18983, 18985, 19169, 19509, 19558, 19617, 211631147, 211632070, 211632073, 211632077, 211632081, 211632089, 211632093 211632101, 211632109, 211632114, 211632118, 211632120 211632127, 211632130, 211637002, 211637014, 211637015 211637020, 211637023, 2280000120, 2280000121, 2280000670, 2280000671, 2280000770, 2280001250, 2280001870, 2280002210, 2280002211, 2280002212, 2280002213, 2280002214, 2280002420, 2280002640, 2280003270, 2280003271, 2280003340, 2280003341, 2280003460, 2280004620, 2280004890, 2280004891, 2280004910, 2280005160, 2280005780, 2280006300, 2280007190, 2280007850, 2280007851, 2280007860, 2280007990, 2280007991, 2280008020, 2280008291, 2280008350, 2280008740, 2280008830, 2280008831, 2280009180, 2280009181, 2280009182, 2280009261, 2280009480, 2280009481, 2280009580, 2280009710, 2409801, 2809802, 2810031040, 2810031041, 2810031071 2810087803, 31200PH9004, 31200ZJ1841, 31200ZJ1842, 31231PH9004, 42000-5790, 4280000230, 4280000490, 4280000950, 4280001000, 4280001240, 4280001241, 4280001243, 4280002341, 4280002741, 4280003120, 4280003130, 428000-3460, 4280004140, 4280005060, 428000-5800, 428000-6410, 4280006600, 4280006610, 4280006681, AM104559, AM105575, AM108390, AM108615 AM109408, AM132303, AM133636, AM133646, AM134946, AW26844, DSN931, E719563010, MD141311, MD15981, MD184420, MIA19046, SE501847, TR95D9966	6,5 x 8,0 x 10,0

APLICAÇÕES

BOMAG BW90, BW900 **BOMBARDIER** SARASOTA 1000 (ANO 2005) **BUSH HOG** CS180T **CHEVROLET - GM** SPECTRUM (ANO 1985-1988) **DIVERSAS** MAZDA **FORD** ESCORT, FIESTA 1.2 FIESTA 1.3 **HONDA** 24HP, CITY 1.5, CIVIC 1.4, FIT 1.4, FIT 1.5, GX610K1, GX670, GX670K1, GXV620, GXV670 **KAWASAKI** KEF300 LAKOTA SPORT (ANO 2001-2003), KEF300 LAKOTA UTILITY (ANO 1995-2000), KFX250 MOJAVE (ANO 2004), KFX400 (ANO 2003-2006), KFX450R (ANO 2008-2014), KFX50 (ANO 2013-2019) **KUBOTA** AV5500B (ANO 1994-2004), AV6500B (ANO 1994-2004), T1460 (ANO 1997-2001), T1460-40, T1460A-40, T1560 (ANO 1997-2001), T1760 (ANO 1997-2001), XG94-D (ANO 1988-1998) **SUBARU** VIVIO **TOYOTA** 4RUNNER (ANO 2003-2009), COROLLA, STARLET, TUNDRA (ANO 2005-2014) **WACKER** RD-11A **YAMAHA** EF4000DEX, YG4000DX

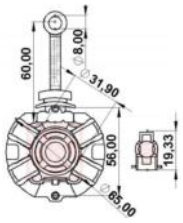


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-341-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
028000-3590, 028000-8320, 028000-8321, 1550463010	7,0 x 13,0 x 15,5

APLICAÇÕES

KUBOTA ESCAVADEIRA KH21, MOTOR DM1102, TRATOR B2150DT, TRATOR B9200DT **MARINE** MOTOR 5424 M-30

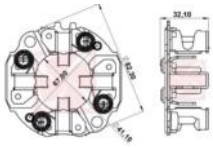


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-344-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
438000-0471, 438000-0473	5,5 x 13,4 x 12,0

APLICAÇÕES

BMW 220I, 225I, X1 **MINI** MINI COOPER CLUBMAN

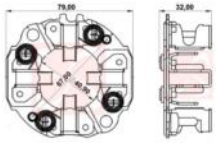


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-349-24V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
128000-0216, 228000-5641, 428000-7100, 4996707, 99432760	7,8 x 24,8 x 21,0

APLICAÇÕES

CASE 1840 (1990->), 1845 C (1987->), 580 (1982-1994), 590 CK (1992->), 590 L (1992->), 6000 (1985->), 6500 (1985) **IVECO** 180 E 24 7.8 (1999-2004), 180 T 27 7.8 (2005->), 190 E 24 7.8 (1999-2004), 190 E 27 7.8 (1998->), 190 E 31 7.8 (1999-2004), 190 E 35 7.8 (1998-2004), 190 S 27 7.8 (2004->), 190 S 30 7.8 (2004->), 190 S 31 7.8 (2003->), 190 S 33 7.8 (2006->), 190 S 35 7.8 (2003->), 190 S 36 7.8 (2007->), 190 T 31 7.8 (2004->), 190 T 33 7.8 (2006->), 190 T 35 7.8 (2004->), 260 E 24 7.8 (1999->), 260 E 27 7.8 (1999-2004), 260 E 31 7.8 (1999-2004), 260 E 35 7.8 (1999-2004), 260 S 27 7.8 (2004->), 260 S 30 7.8 (2004->), 260 S 31 7.8 (2003->), 260 S 35 7.8 (2003->), 260 S 36 7.8 (2007->), 260 T 31 7.8 (2004->), 260 T 33 7.8 (2006->), 260 T 35 7.8 (2004->), 260 T 36 7.8 (2004->), 30 S 36 T 8.7 (2012->), 340 E 35 7.8 (1999-2004), 340 T 36 7.8 (2006->), 380 E 35 7.8 (2000-2004), 380 T 33 7.8 (2006->), 380 T 36 7.8 (2004->), 380 T 36 7.8 (2006->), 400 E 31 7.8 (1998->), 400 E 35 7.8 (1998-2005), 400 T 36 7.8 (2004->), 410 E 35 7.8 (2000-2004), 410 T 36 7.8 (2006->), 440 E 31 7.8 (1998->), 440 E 35 7.8 (1998->), 440 S 31 7.8 (2003->), 440 S 33 7.8 (2006->), 440 S 35 7.8 (2003->), 450 E 32 T 7.8 (2008-2011), 450 S 33 T 8.7 (2012->), 460 S 36 T 8.7 (2012->) **NEW HOLLAND** GUINDASTE, PLATAFORMA, RETROESCAVADEIRA LB90, ROLO COMPACTADOR COM MOTOR CUMMINS ISB 6.7



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-359-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
05086932AA, 40900084, 428000-1190, 428000-3330, 428000-3331, 428000-5940, 428000-6110, 428000-8760, 438000-4570, 4934925, 4982056, 5442263, 68002981AA, 68049020AA, RE531501	7,8 x 24,8 x 21,0

APLICAÇÕES

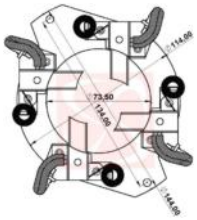
CATERPILLAR RETROESCAVADEIRA 416B, RETROESCAVADEIRA 416E, RETROESCAVADEIRA 426B, RETROESCAVADEIRA 428B, RETROESCAVADEIRA 436B, RETROESCAVADEIRA 438B **DODGE** RAM 2500 5.9 (2001-2008), RAM 2500 6.7 (2007-2010), RAM 3500 5.9 (2001-2008), RAM 4000 5.9 (2005-2008)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-370-12V	DENSO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
428000-0120, 428000-0121, RE15843, RE522851, SE501862	40,0 x 9,9 x 11,3

APLICAÇÕES

JOHN DEERE 6125AFM75 (2004-2007), 6125SFM75 (2004-2007), 9220 4WD (2001-2007), 9320 4WD (2001-2007), 9320T (2001-2007), 9420 (2001-2007), 9420T (2001-2007), 9520 (2001-2007), 9520T (2002-2007), 9620 (2004-2007), 9620T (2004-2007), COLHEITADEIRA 9860 (2003-2007), MOTORES 6125AFM01 (2000-2007), TRATORES 7700

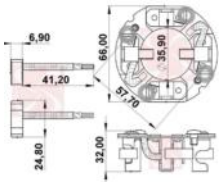


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-051-48V	DIVERSOS		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
XQ-3.8, XQ-3-4T-1, XQ-3-4T-2	12,7 x 31,7 x 37,0

APLICAÇÕES

OBSERVAÇÕES Porta-escovas para tração de carrinho de golfe **CHANGYIN** CARRINHO DE GOLFE **ZOOMCAR** CARRINHO DE GOLFE

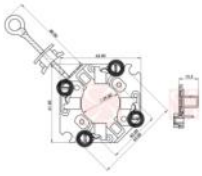


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-339-12V	DIVERSOS		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
QDJ1407A, QDJ1407B, QDJ1409E	7,0 x 25,0 x 17,0

APLICAÇÕES

WEICHAI MOTOR/ENGINE4102, MOTOR/ENGINE4105 **XICHAI** 4DW **XINCHANG** QC495, XC490

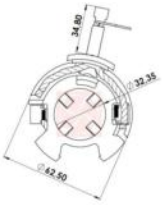


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-016-12V	EFFA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
300105, 462-3708950-01, 4650-208950, EFF030, QD1127	6,5 x 11,0 x 16,0

APLICAÇÕES

CHANGAN CHANA PICK-UP, CHANA VAN **EFFA** FURGÃO, PICK-UP CAB. DUPLA, PICK-UP CAB. SIMPLES, START, VAN **HAFEI** FURGÃO, PICK-UP, TOWNER, TOWNER JR CAB. DUPLA, TOWNER JR CAB. SIMPLES

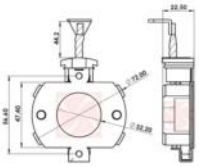


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-007-12V	FORD / MOTORCRAFT		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
XS6U-11000-B4A	5,8 x 13,0 x 14,0

APLICAÇÕES

FORD COURIER, FIESTA, FIESTA STREET, KA

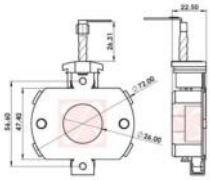


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-108-12V	FORD / MOTORCRAFT	PMGR	F3RZ11002C,F3RZ11061A,F3RZ11061C

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
93BB11000, 93BB11000HB, 93BB11000JB, 93BB11000JC, 93BB11000KA, 93BB11000KB, 93BB11000KC, 93BB11000KD, F37U11131BA, F3TU11131AA, F77211002AA	4,6 x 16,0 x 14,0

APLICAÇÕES

FORD BRONCO, ECOSPORT, ESCORT 1.6 16V, ESCORT 1.6 16V XR3, ESCORT 1.6I 16V, ESCORT 1.8 16V, ESCORT 1.8I 16V, ESCORT 1.8I 16V XR3, EXPEDITION 6CIL, EXPLORER 4.0 L V6, F1000 4.0, MAVERICK 2.0 16V, MONDEO 1.6I, MONDEO 1.6I 16V, MONDEO 1.8I, MONDEO 1.8I 16V, MONDEO 2.0 16V, MONDEO 2.0I 16V, MUSTANG V6, RANGER 4.0, WINDSTAR V6**MAZDA** TRIBUTE 2.0 DX



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-109-12V	FORD / MOTORCRAFT	PMGR	E90Z-11061A,E90Z-11061B,E90Z-11061C

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1057652, 1057654, 1057661, 1076141, 1085273, 1087280, 1367529, 1X4U11000AA, 3852582, 5029143, 6775703, 6775704, E90F11000AA, E90F11000BA, E95F11000AA, E95F11000BA, F02F11000AA, F07U11000AA, F07U11000BA, F0CF11000AA, F0CF11000BA, F0OU11000AA, F0TZ11002B, F13U11000AA, F17U11000AB F1VU11000AA, SB-331, SB-335, SB-337, SB-348, SB-353, SB-356, XS6U11000AC, XS6U11000AD	4,6 x 16,0 x 14,0

APLICAÇÕES

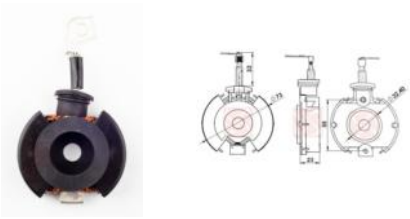
FORD CONTOUR 2.0, CONTOUR 2.0 GL, CONTOUR 2.0 LX, CONTOUR 2.0 SE, CONTOUR-4 / 6CL, COURIER, ESCAPE 2.0, ESCORT 1.6 16V, ESCORT 1.6 16V XR3, ESCORT 1.6I 16V, ESCORT 1.8 16V, ESCORT 1.8I 16V, ESCORT 1.8I 16V XR3, ESCORT 4CL, FIESTA, FOCUS 1.8I 16V, FOCUS 2.0 16V, FOCUS 2.0 LE, FOCUS 2.0 LX, FOCUS 2.0 RS, FOCUS 2.0 S2, FOCUS 2.0 SVT, FOCUS 2.0 ZTS, FOCUS 2.0 ZTW, FOCUS 2.0 ZX3, FOCUS 2.0 ZX5, KA, MERCURY SABLE 3.0I 6CL, MERCURY SABLE 6CL 3.0L, MONDEO 1.6I, MONDEO 1.6I 16V, MONDEO 1.8I, MONDEO 1.8I 16V, MONDEO 2.0 16V, MONDEO 2.0I 16V, TRANSIT CONNECT 1.8 16V, TRANSIT CONNECT 1.8 TDCI, VAN WINDSTAR 6CL **MERCURY** COUGAR 2.0, MYSTIQUE 2.0, MYSTIQUE 2.0 GS, MYSTIQUE 2.0 LS

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-137-12V	FORD / MOTORCRAFT	PMGR	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1061458, 1063999, 1064000, 1067622, 1104965, 1120214, 1140111, 1140757, 1144505, 1151216, 1151642, 1197912, 1205240, 1209193, 1218885, 1229427, 1233234, 1233277, 1237323, 1250901, 1251700, 1254222, 1300504, 1325943, 1350459, 1366473, 1366986, 1368970, 1368974, 1373810, 1379702, 1379703, 1386127, 1387091, 1388569, 1465010, 1469712, 1473072, 1477482, 1477973, 1478129, 1483817, 19BI, 1S7U11000AA, 1S7U11000AB, 1S7U11000AC, 1S7U11000AD, 1S7U11000AE, 1S7U11000AF, 1S7U11000AG, 2S6U11000EA, 2S6U11000EB, 2S6U11000EC, 2S6U11000ED, 2S6U11000EE, 2S7T11000AA, 2T1411000AA, 2T1411000BA, 2T1411000BB 2T1411000BC, 2T1411000CA, 3M5T11000AB, 3M5T11000AC, 3M5T11000AD, 3M5T11000AE, 3M5T11000CB, 3M5T11000CC, 3M5T11000CD, 3M5T11000CE, 3M5T11000CF, 3S7T11000AC, 3S7T11000AD, 4022225, 4443760, 4587107, 4635595, 4M5T11000AA, 4M5T11000AB, 4M5T11000AC, 4S4T11000AA, 5M5T11000BB, 5M5T11000CC, 6G9N11000AA, 6G9N11000AB, 6G9N11000BB, 6G9N11000JA, 6G9N11000JB, 6S4T11000AA, 7177333, 7G9N11000AB, 7G9N11000AC, 8S4T-11000-AA, 96BB11000AA, 96BB-11000-AA7, 96BB11000AB, 96FB11000MA, 96FB11000MB, 96FB11000MC, 96FB11000MD, 96FB11000ME, 96FB11000MG, 98AB11000CB, 98AB11000CC, 98AB11000CD, F7RU11000AA, R93BB11000AC, XS7U11000C4A, XS7U11000CB, YS4U11000AA, YS4U11000AB, YS4U11000BA, YS4U11000DA, YS4U11000DB	6,0 x 13,0 x 13,5

APLICAÇÕES

FORD B-MAX 1.6 TDCI, C-MAX 1.6 TDCI, C-MAX 1.6 TI, COURIER 1.5 TDCI, COURIER 1.6 TDCI, ESCORT VI 1.8I, FIESTA V 1.4 TDCI, FIESTA V 1.6 TDCI, FIESTA VI 1.4 TDCI, FOCUS 1.4, FOCUS 1.6, FOCUS 2.0, FOCUS 2.0I 16V, FUSION 1.4 TDCI, FUSION 1.6 TDCI, GALAXY 2.0, GALAXY 2.3, KA 1.3, MAVERICK 2.3, MONDEO 1.6, MONDEO 1.8, MONDEO 2.0, MONDEO 2.0 TDCI, MONDEO 2.5, MONDEO 3.0 **JAGUAR** X-TYPE 2.1 V6, X-TYPE 2.5 V6, X-TYPE 3.0 V6 **MAZDA** 2 1.4 CD, 2 1.6 CD, 3 1.6 DI TURBO, TRIBUTE 2.3, TRIBUTE 3.0 V6 **MERCURY** COUGAR, MYSTIQUE GL, MYSTIQUE LS **VOLVO** C30 1.6, C30 1.8, C30 2.0, C30 2.5, C70 2.5, S40 1.6, S40 1.8, S60 2.4, S60 2.5, V40 2.0, V50 1.6, V70



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-176-12V	FORD / MOTORCRAFT		F81U11434AA

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1L2U11000AA, F81Z11002AA, XL1Z11002AA, XW4U11000CG, XW4Z11002CG	4,5 x 16,0 x 16,2

APLICAÇÕES

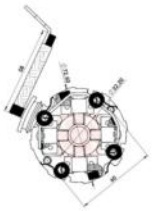
DIVERSAS BLACKWOOD **FORD** COURIER, EXCURSION 4.6L V8 (1999 - 2001), EXCURSION 5.4L V8 (2000 - 2001), EXCURSION 6.8L V10 (2000 - 2001), EXPEDITION, EXPLORER, F 100 4.6L, F 100 5.4L V8 (1999 - 2001), F 100 6.8L V10, F 150, LINCOLN, NAVIGATOR, RANGER, THUNDER BIRD, TRANSIT

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-177-12V	FORD / MOTORCRAFT		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10455505, AA10018400	4,8 x 13,0 x 12,0

APLICAÇÕES

DAEWOO TOWNER **DIVERSAS** EURO, FORD



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-183-12V	FORD / MOTORCRAFT		F7RU11434BA,F7RUBA

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
4878768, 9330AI, 93BB11000JB, 97BB11000BB, 97BB11000BC, 97CA11000AB, 97VB11000A, 97VB11000AA 97VB11000AB, 97VB11000B, 97VB11000BA, 98AB11000AC 98AB11000BC, 98VB11000B1A, 98VB11000B3A, 98VB11000BA, F3RZ11002A, F3RZ11002B, F3RZ11002C, F50Y11002A, F87U11000, F87U11000DD, F87U-11000-DD YC1U11000AB	8,2 x 19,0 x 18,0

APLICAÇÕES

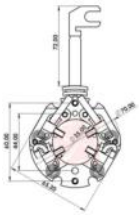
FORD C-MAX 2.0 TDCI, COURIER, ESCORT 1.8 DIESEL, ESCORT 1.8 DIESEL EXPRESS, ESCORT 1.8 TD, ESCORT 1.8 TD EXPRESS, F100, F1000, FIESTA 1.8 DIESEL, FIESTA 1.8 TD, FOCUS 1.8 TD, FOCUS 1.8 TDCI, FOCUS 1.8 TDDI, FOCUS 2.0 TDCI, GALAXY 2.0 TDCI, GRAND C-MAX 2.0 TDCI, MONDEO 1.8 TD, MONDEO 2.0 DI/TDDI 16V, MONDEO 2.0 TDCI, MONDEO 2.0 TDCI/TDDI 16V, MONDEO 2.0 TDDI 16V, MONDEO 2.2 TDCI, ORION, RANGER DIESEL, S-MAX 2.0 TDCI, TRANSIT 2.0 DIESEL, TRANSIT 2.2 TDCI, TRANSIT 2.4 DIESEL, TRANSIT 2.4 TDCI, TRANSIT 2.5 DIESEL, TRANSIT 2.5 DTI, TRANSIT 2.5 TD, TRANSIT 2.5 TDI **JAGUAR** X-TYPE 2.2 DIESEL **MAZDA** 121 1.8 DIESEL **VOLVO** C30 2.0 DIESEL, C70 2.0 DIESEL, S40 2.0 DIESEL, S80 2.0 TDI, V50 2.0 DIESEL, V70 2.0 DIESEL

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-353-12V	FORD / MOTORCRAFT		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
6G9N-11000-AC, 8G1T-11000-AE, BB5T11000AA	6,0 x 12,7 x 13,4

APLICAÇÕES

FORD ECOSPORT, EDGE 3.5 V6 (2009-2013), FOCUS 1.6 (2013-2018), FOCUS 2.0 (2013-2018), TAURUS 2.0 (2010-2017), TAURUS 3.5 (2010-2017)

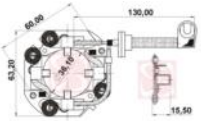


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-023-12V	HITACHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
119865-77012, S114-656A	4,5 x 10,8 x 14,5

APLICAÇÕES

OBSERVAÇÕES Aplicado em gerador Cummins Onan p/ embarcações 119865-77012 / s114-656a. **CUMMINS** GERADOR ONAN **YANMAR** MOTOR 3T72, MOTOR 3T75, MOTOR 3TN66, MOTOR 3TN72 MOTOR 3TN75

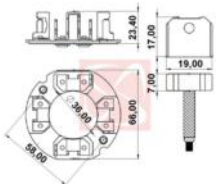


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-040-12V	HITACHI	PMGR	698114,698115,6981153,137750

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1017200, 2114-13103, 2114-23104, 2114-39008, 2114-83102 2114-93102, 2330012G05, 2330088G01, 2337853J02, 2337877A01, 81017200, CQ2050014CQ, S114364, S114503 S114505, S114509, S114516, S114516A, S114517, S114517C, S114519A, S114520B, S114523, S114525A, S114526, S114526A, S114527A, S114527B, S114528, S114530, S114533, S114534, S114535, S114553, S114700A S114701A, S114701C, S114705, S114705A, S114705B, S114705C	7,0 x 11,0 x 16,5

APLICAÇÕES

DIVERSAS ACURA, ISUZU **NISSAN** ALMERA, D21 3.0, MICRA 1.0, PATHFINDER 3.0, PRIMERA, SUNNY, TERRANO 3.0 **VOLKSWAGEN** GOLF

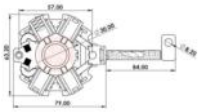


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-044-12V	HITACHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	7,0 x 18,9 x 16,4

APLICAÇÕES

HITACHI TRATORES TRAMONTINI

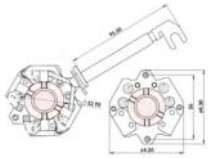


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-180-12V	HITACHI MITSUBISHI		M321X14176

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
235214, 333656, M000T20472, M000T20871, M000T20871ZE, M000T22371, M000T30771, M000T32071 M000T32171, M000T32172, M000T32871, M000T33271, M000T36571, M000T36971, M000T36971ZE, M000T37271 M000T45071, M000T45071ZT, M000T65381, M000T65585 M000T65587, M000T85981, M000T86081, M000T86181, M000T87081, M000T87881, M000T91581, M000T93381, M000T93581, M001T80481, M00T37271, M0T20472, M0T20871, M0T22371, M0T30771, M0T32071, M0T32171, M0T32172, M0T32871, M0T33271, M0T36571, M0T36971, M0T36971ZE, M0T37271, M0T45071, M0T65381, M0T85981 M0T86081, M0T86181, M0T87081, M0T87881, M0T91581, M0T93381, M0T93581, M1T80481, M321X07076, MD362207 MT37271	4,5 x 12,0 x 12,2

APLICAÇÕES

HITACHI MÁQUINASDIVERSAS **HYSTER** EMPILHADEIRAS **MITSUBISHI** OUTLANDER, PAJEROSPORT **NISSAN** CUBE1.616V, JUKE1.6I, MICRA1.6, NOTE1.6, NV2001.616V, QASHQAI1.6, SENTRA, TIIDA1.6, VEÍCULOSCOMMOTORESGA15 **OPEL** AGILA1.0, AGILA1.2 **RENAULT** CAPTUR1.6I16V, DUSTER1.6I16V, FLUENCE1.6I16V, LOGAN1.6I, SANDERO1.6I16V **SUZUKI** SPLASH1.2 **VAUXHALL** AGILA1.0

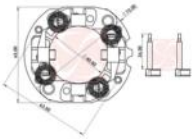


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-205-12V	HITACHI		2114-23106,2114-53105,2114-63104,2114-73105,233780M300,233781E400

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
04801694AC, 23300-EN20B, 3110096J01, 428000-0341, 428000-0670, 428000-0680, 428000-1760, 428000-7400, 51899848, 7521122-03, S114-868B, S114-750, S114-751, S114-753, S114-753C, S114-755, S114-756, S114-758, S114-765, S114-766A, S114-767, S114-775A, S114-800, S114-801, S114-805, S114-816, S114-818, S114-829A, S114-829B, S114-850, S114-902A, S114-902B, S114-922, S114-951A, S114-951B	4,5 x 14,0 x 17,0

APLICAÇÕES

BMW 335 **DIVERSAS** ACURA, ISUZU, KOMATSU **FIAT** STRADA **JEEP** GRAND CHEROKEE LAREDO (2010 > 2012) **NISSAN** SENTRA, TIIDA 1.8 (2007 >), X-TRAIL 2.0 (2007 >) **RENAULT** CLIO 1.6 (2013 >), CLIO 2.0 (2006 >), FLUENCE, GRAND SCENIC (2009 >), LAGUNA 2.0 (2007 >), MEGANE 2.0 (2009 >), SCENIC (2009 >) **SUZUKI** MOTOR DE POPA



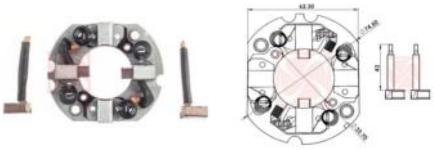
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-214-12V	HITACHI	OSGR	RFBS131068,2130-13022,21301306,213053021 213053022,213073021,213073022,213093021, 21309305,22401310,22402310,EC45011, 8941369010,8942420630,8943378660, 8944788630,2337810G00,2337854A00, 23378V7200,23378W2500,21302306,22403310 213013022,213057

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
12948677011, 12994077010, 213061004, 213081004, 2330010T02, 2330011M02, 233001S900, 233002T710, 2330040K21, 2330054A05, 2330057J05, 2330065N51, 2330083W00, 23300EB71E, 233100Y000, 8411155670, 8452325, 8941150670, 8941155670, 8941155671,	7,0 x 19,0 x 15,2

8941155672, 8941364480, 8941364481, 8941364482, 8941475492, 8941492490, 8942387580, 8942549221, 8943334380, 8943876530, 8944299780, 8944339120, 8944339121, 8944339122, 8944532120, 8944694963, 8971366880, 8973234370, RFBS114482, RFBS131068, S114357C, S13101, S13102, S13102A, S13104, S13105, S13105A, S13106, S13106A, S13106B, S13106C, S13106E S13107, S13107A, S13109, S13111, S13112, S13113, S13114, S13114A, S13115, S13118, S13118A, S13-121, S13122, S13126, S13126A, S13127, S13127C, S13131, S13132, S13136, S13137A, S13200, S13203, S13204, S13207, S13207A, S13207C, S13210B, S13210C, S13212, S13213, S13282, S13289, S13289A, S13294, S13302, S13302A, S13302B, S13305, S13305A, S13307A, S13317, S13321, S13322, S13326, S13327, S13329, S13331, S13332 S13404, S13407, S13407A, S13502A, S13527, S13527A, S13527B, S13551, S13551A, S13551C, S13553, S13553A, S13556, S13556A, S13559B, S13563B, S1362, S1362A, S1362B, S1364, S1366, S1366A, S1369, S1370A, S13759, S1381, S1382A, S1382B, S1383, S1384, S1384A, S1384B, S1389, S1389A, S1389B, S1389C, S1389D, S1391, S1391A S1392, S1392A, S1402, S1403, S14102, S14203, S14205, S14206, S14210, S14210A, S14407A, S14413C, S2003, S2005, S2006, S2007, S2009, S2012, S2015, S2024, S2401B S2401C, S2401D, S2403A, S2403C, S2405A, S2405B, S2407, S2411, S25110A, S25110G, S25514

APLICAÇÕES

BOBCAT MÁQUINAS DIVERSAS **DOOSAN** ESCAVADEIRA SOLAR 75-V **FORD** MAVERICK 2.7 TD **GEHL** MINI PÁ CARREGADEIRA **GMC** 7.110 **ISUZU** KT 3.3 D, MIDI 2.4 TD, NKR 3.1 D, NKR 3.3 DIESEL, NPR 3.3 DIESEL, RODEO 3.0 TD, TROOPER 3.0 DTI, WFR 2.0 D **KOMATSU** EMPILHADEIRA FG40 **NISSAN** ALMERA 2.0, CAPISTAR 2.3 TD, CAPISTAR 2.3D, CAPISTAR 2.5 TD, CAPISTAR 2.7 TD, ECO-T 3.0 TD, EMPILHADEIRA FORKLIFT, KING VAN 2.3 D, KING VAN 2.5 D, NAVARA, PARTIDAS RFB S114482, PATROL GR II 2.8 TD, PICK UP D. PARTIDAS RFBS131068, PRIMERA 2.0 D, SUNNY II 2.0 D, TERRANO 2.7 TD, TRADE 3.0, URVAN 2.0, URVAN 2.3 TD **THERMO KING** REFRIGERADOR SB-II 30 **YANMAR** MOTORES DIVERSOS

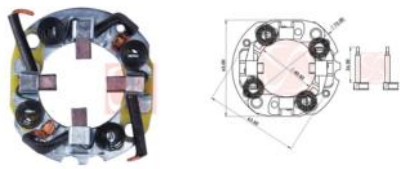


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-215-12V	HITACHI	GR	2114-79001,23378M4901,21144311, YMR000311,23376M4901

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
2330005P01, 2330011M02, 2330037J00, 2330037J05, 23300N5903, 5811001992, 8941155650, 8941333381, 8943325860, 8943863280, 8944548911, 8944839180, 8971177700, S114252, S114252A, S114252F, S114253, S114253A, S114254, S114254A, S114254B, S114254C, S114254D, S114255, S114255A, S114257, S114257G, S114257H, S114258, S114258C, S114264, S114268, S114290, S114290A, S114290B, S114293, S114296, S114296A, S114322, S114322A, S114338A, S114342, S114342A, S114344, S114357, S114357A, S114357B, S114357C, S114367, S114374B, S114393, S114395, S114395A, S114403B, S114429, S114429A, S114453, S114454, S114458, S114459, S114471, S114471A, S114472 S114472A, S114473, S114480, S114480A, S114480B, S114481, S114481A, S114482, S114483	6,8 x 14,0 x 15,0

APLICAÇÕES

CARRIER MÁQUINAS DIVERSAS COM MOTOR YANMAR **DIVERSAS** MASSEY FERGUSON, TOYOTA, YANMAR **ISUZU** GEMINI (I-MARK) 1.5 TD **KOMATSU** EMPILHADEIRA FG35 **NISSAN** CHERRY II 1.0, CHERRY II 1.2, PATROL 2.8, PATROL GR 4.2, SUNNY II 1.6 16V, SUNNY II 1.8 GTI 16V **OPEL** ASTRA 1.7 TD, CORSA 1.5 D, CORSA 1.5 TD, KADETT 1.5 TD, VECTRA 1.7 TD **THERMO KING** REFRIGERADOR KD-II SR, REFRIGERADOR MD-200, REFRIGERADOR MD-200-MT, REFRIGERADOR MD-300, REFRIGERADOR MD-II MAX, REFRIGERADOR MD-II MAX SR, REFRIGERADOR RD-II REFRIGERADOR TS SPECTRUM TK, REFRIGERADOR TS-200, REFRIGERADOR TS-300, REFRIGERADOR TS-500

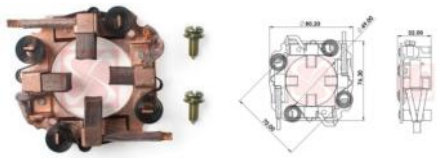


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-312-24V	HITACHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
8973239350, 8973239352, 8980450271, 8980450273, LE13050036, S25163A, S25501, S25505, S25505E, S25505G, S25514, S25514A	7,0 x 19,0 x 15,2

APLICAÇÕES

CASE TRATORES CX180C **CATERPILLAR** EXCAVATOR 322L **ISUZU** SAKAI GW750 **JCB** RETROESCAVADEIRA **KOBELCO** MÁQUINAS DIVERSAS

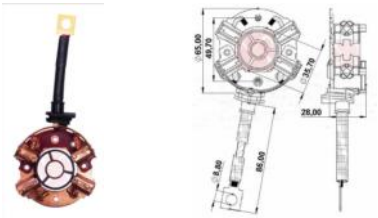


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-011-24V	ISKRA		16906638

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11130364, 11130367, 11130407, 11130490, 11130491, 11130492, 11130537, 11130595, 11130598, 11130626, 11130660, 11130676, 11130686, 11130687, 11130743, 11130784, 11130798, 11130850, 11130993, 11131006, 11131053, 11131085, 11131086, 11131143, 11131144, 11131236, 11131348, 11131353, 11131377, 11131394, AZJ3113, AZJ3131, AZJ3132, AZJ3133, AZJ3160, AZJ3186 AZJ3188, AZJ3199, AZJ3213, AZJ3223, AZJ3230, AZJ3231 AZJ3263, AZJ3282, AZJ3294, AZJ3327, AZJ3351, AZJ3353 AZJ3367, AZJ3374, AZJ3375, AZJ3387, AZJ3388, AZJ3404 AZJ3412, AZJ3413, AZJ3418, AZJ3427, AZJ3593, AZJ3595	10,0 x 25,0 x 23,0

APLICAÇÕES

CASE ESCAVADEIRA 1080, ESCAVADEIRA 1088, ESCAVADEIRA 488, ESCAVADEIRA 688, ESCAVADEIRA 888, ESCAVADEIRA B60CL, ESCAVADEIRA B75CL, ESCAVADEIRA B75P, ESCAVADEIRA LC80, ESCAVADEIRA LY80 **DOOSAN** COMPRESSOR DE AR 10/105, COMPRESSOR DE AR 10/125, COMPRESSOR DE AR 14/115, COMPRESSOR DE AR 14/85, COMPRESSOR DE AR 7/120, COMPRESSOR DE AR 7/170, COMPRESSOR DE AR 9/110 **FIAT** CAMINHÕES 130, CAMINHÕES 65, CAMINHÕES 70, CAMINHÕES 75 **FIAT-ALLIS** ESCAVADEIRA S105B, ESCAVADEIRA S11, ESCAVADEIRA S60, ESCAVADEIRA S70, ESCAVADEIRA S9, ESCAVADEIRA S90, ESCAVADEIRA SL11, ESCAVADEIRA SL9 **IVECO** CAMINHÕES DIVERSOS **MAN** CAMINHÕES DIVERSOS **MERCEDES-BENZ** CAMINHÕES 1017, CAMINHÕES 1114, CAMINHÕES 1117, CAMINHÕES 1120, CAMINHÕES 1124, CAMINHÕES 1314, CAMINHÕES 1317, CAMINHÕES 1320, CAMINHÕES 1324, CAMINHÕES 1414, CAMINHÕES 1417, CAMINHÕES 1419, CAMINHÕES 1420, CAMINHÕES 1514, CAMINHÕES 1517, CAMINHÕES 1520, CAMINHÕES 1524, CAMINHÕES 1614, CAMINHÕES 1617, CAMINHÕES 1619, CAMINHÕES 1620, CAMINHÕES 1626, CAMINHÕES 1717, CAMINHÕES 1719, CAMINHÕES 1720, CAMINHÕES 1722, CAMINHÕES 1820, CAMINHÕES 1821, CAMINHÕES 1926, CAMINHÕES 2219, CAMINHÕES 2220, CAMINHÕES 2226, CAMINHÕES 2420, CAMINHÕES 2626, CAMINHÕES 608, CAMINHÕES 609, CAMINHÕES 611, CAMINHÕES 709, CAMINHÕES 711, CAMINHÕES 914, CAMINHÕES 917 ÔNIBUS: OF1114, ÔNIBUS: OF814, ÔNIBUS: OF817, ÔNIBUS: OF914 **NEW HOLLAND** PÁ CARREGADEIRA 130C, PÁ CARREGADEIRA 150C **SCANIA** CAMINHÕES DIVERSOS **VALTRA** SK150 **VOLKSWAGEN** CAMINHÕES 16180, CAMINHÕES 16210, CAMINHÕES 7100, CAMINHÕES 8140 **VOLVO** CAMINHÕES DIVERSOS

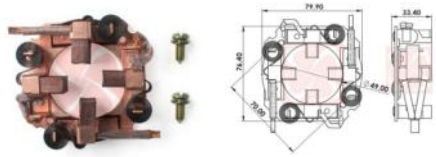


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-045-12V	ISKRA		16.915.200,MSX620

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11.131.267, IS1101, MS86	6,0 x 18,0 x 14,0

APLICAÇÕES

ATLAS EMPILHADEIRA **BOBCAT** COM ARRANQUE DE PERKINS **CATERPILLAR** MINI-CARREGADEIRA 226B **DIVERSAS** JUUNGHEINRICH **JCB** MINI-CARREGADEIRA 1CX **YALE** EMPILHADEIRA BACKHOE, EMPILHADEIRA MINI

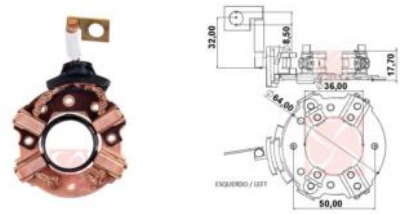


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-213-12V	ISKRA		16906708,16906265,16908264,16906810, MSX180,MSX210

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11.130.664, 11.130.679, 11.130.695, 11.130.739, 15.0679, 15.0695, 15.0739, 15.1063, AZJ3216, AZJ3226, AZJ3236, AZJ3261, AZJ3313K4WZ9, AZJ3405	10,0 x 25,0 x 23,0

APLICAÇÕES

BOBCAT MINI PÁ CARREGADEIRA 641, MINI PÁ CARREGADEIRA 741, MINI PÁ CARREGADEIRA 843, MINI PÁ CARREGADEIRA 843B, MINI PÁ CARREGADEIRA 853, MINI PÁ CARREGADEIRA 853B, MINI PÁ CARREGADEIRA 943, MINI PÁ CARREGADEIRA 974 **CASE** COLHEITADEIRA 6000, COLHEITADEIRA 6500, TRATOR MAXXUM 5120, TRATOR MAXXUM 5130, TRATOR MAXXUM 5140, TRATOR MAXXUM 5150, TRATOR MAXXUM 5220, TRATOR MAXXUM 5230 **JOHN DEERE** COLHEITADEIRA 3520, COLHEITADEIRA 9470, COLHEITADEIRA 9570, PÁS CARREGADEIRAS, RETROESCAVADEIRA 310SE, RETROESCAVADEIRA 310SG, RETROESCAVADEIRA 410E, RETROESCAVADEIRA 410G, TRATOR 6403, TRATOR 6603 **NEW HOLLAND** TRATOR **VALMET** TRATOR **VALTRA** TRATOR

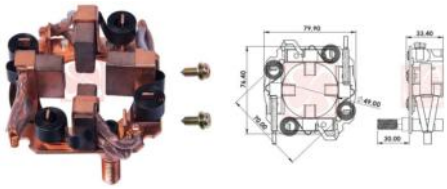


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-258-12V	ISKRA		11131519,16908924,MSX131

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11131052, 11131233, 11131338, 11131517, 11131519, 11132314, 7010010008003, 7010601007002, 7011010001006, 7011010018000, AZE2117, AZE2173, AZE2193, AZE2195, AZE2251, AZE2642, IS1051, IS1079, IS1110, IS1363, IS1365, IS1426, MS118, MS133, MS134, MS154, MS380, MS413	6,0 x 12,0 x 11,0

APLICAÇÕES

AGRALE CAMINHÕES TX1100, MOTOR M795W, TRATOR 4100, TRATOR 4100.4, TRATOR 4118, TRATOR 4118.4



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-296-12V	ISKRA		16908788,16908263,MSX87

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11130897, 11131093, 11131162, 11131249, AZJ3376, AZJ3389, AZJ3405, MS243, MS618	10,0 x 25,0 x 23,0

APLICAÇÕES

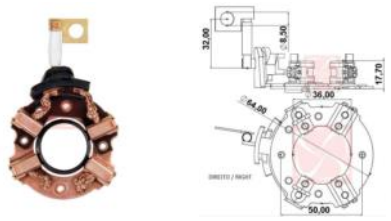
AGCO 450, 700 **CASE** CS 110 4.4, CS 130 6.6, CS 68 3.3, CS 75 3.3, CS 78 4.4 **LANDINI** ATLAS 75 4.0 **MASSEY FERGUSON** 3065, AA 660, F 400X, MF 200, MF 34, MF 38, MF 383, MF 400, MF 4200, MF 500, MF 600, MF133, MF135, MF140, MF145, MF148, MF152, MF155, MF158, MF165, MF230, MF235, MF240, MF245, MF250, MF255, MF2600, MF262, MF350, MF360, MF550.3, MF560.3, MF560.6 **MEGA** 8050, 8150, 8550, 8750 **SAMPO ROSENLEW** SR 2035, SR 2045, SR 2055, SR 2065, SR 2075, SR 2085, SR 3045 6.6, SR 3065 6.6 **URSUS** C-330M, C-335, C-360 **VALMET** 255, 355, 365S, 455 465, 504 2.7, 565, 604 3.3, 6100, 6300 4.4, 6400, 6600, 665S, 6750 4.4, 6800, 6850 4.4, 800, 8000, 805 4.4, 8050, 8050 6.6, 805-4 4.4, 8100, 8150, 8200, 8350, 8400, 8450, 8450 6.6, 8550, 8550 7.4, 865, 8750, 8950 7.4, 900 4.4, C100, C15, C20, C200 **VALTRA** 180HI, 255, 355, 3655, 455, 465, 504, 565, 604, 6100, 6300, 6400, 6600, 6655, 6750, 6800, 6850, 800, 8000, 805, 8050, 805-4, 8100, 8150, 8200, 8350, 8400, 8450, 8550, 865, 8750, 8950, 900, BH180, BM 100, C100, C15, C20, C200 **ZETOR** 4712 2.5

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-299-24V	ISKRA		16908994

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11130595, 11130728, 11130729, 11130730, 11130842, 11130944, 11131150, 11131214, 11131254, 11131274, 11131316, 11131335, 11131359, 11131376, 11131452, 11131494, 11131501, 11131524, 11131648, 11131691, 11131770, 11131775, 11131776, 11131846, 11131863, 11131865, 11131867, 11131881, 11131882, 11131987, 11131995, 11132027, 11132041, 11132042, 11132071, 11132083, 11132085, 11132094, 11132115, 11132117, 11132123, 11132124, 11132139, 11132140, 11132177, 11132189, 11132197, 11132198, 11132229, 11132230, 11132262, 11132264, 11132270, 11132290, 11132348, 11132368, 11132369, 11132371, 11132373, 11132403, AZF4106, AZF4121, AZF4137, AZF4169, AZF4198, AZF4201 AZF4230, AZF4232, AZF4237, AZF4238, AZF4239, AZF4266 AZF4267, AZF4273, AZF4276, AZF4277, AZF4289, AZF4292 AZF4293, AZF4295, AZF4303, AZF4306, AZF4307, AZF4311 AZF4312, AZF4323, AZF4327, AZF4330, AZF4331, AZF4337 AZF4338, AZF4347, AZF4350, AZF4356, AZF4365, AZF4373 AZF4375, AZF4377, AZF4384, AZF4507, AZF4508, AZF4509 AZF4515, AZF4527, AZF4554, AZF4571, AZF4573, AZF4581 AZF4588, AZF4594, AZF4617, AZF4645, AZF4646, AZF4672 AZF4696, AZF4833, AZF4852, AZF4862, AZJ3186, IS0595, IS1344	8,0 x 25,0 x 23,0

APLICAÇÕES

AGCO 411C, 611C 6.6 **ATLAS** ESCAVADEIRA 1404ZW, ESCAVADEIRA 140W, ESCAVADEIRA 150W, ESCAVADEIRA 1600ZW, ESCAVADEIRA 160W, ESCAVADEIRA 180W, ESCAVADEIRA DE ESTEIRAS 160LC, ESCAVADEIRA DE ESTEIRAS 175LC SR, ESCAVADEIRA DE ESTEIRAS 215LC SR, MANIPULADOR TELESCÓPICO 180MH, MANIPULADOR TELESCÓPICO 200MH **ATLAS COPCO** COMPRESSOR DE AR **CASE** ESCAVADEIRA 1080, ESCAVADEIRA 1088, ESCAVADEIRA 488, ESCAVADEIRA 688, ESCAVADEIRA 888 **DEUTZ-FAHR** MÁQUINAS DIVERSAS **DOOSAN** COMPRESSOR DE AR 10/105 COMPRESSOR DE AR 10/125, COMPRESSOR DE AR 14/115, COMPRESSOR DE AR 14/85, COMPRESSOR DE AR 7/120, COMPRESSOR DE AR 7/170, COMPRESSOR DE AR 9/110 **IVECO** 110-17, 120-16, 120-17, 150-16, 160-17 **LIEBHERR** ESCAVADEIRA A903, ESCAVADEIRA R981 **MAN** CAMINHÕES DIVERSOS **MERCEDES BENZ** 1017, 1023, 1117, 1214, 1215, 1217, 1223, 1225, 1228, 1317, 1323, 1325, 1328, 1517, 1523, 1525, 1528, 1823, 1828, 2523, 2528, 2628, 711, 712, 714, 715, 717, 811, 812, 814, 815, 817, 915, 917, 923, 925, O345 (CONECTO), O520 (CITO), O530 (CITARO) **SISU** SK 150 6.6 **VALTRA** 411, 611 6.6, SK150 6.6 **XAHS BOMAG** FRESADORA A FRIO BM500/15, FRESADORA A FRIO BM600/15



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-300-12V	ISKRA		16908508

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11131002, 11131054, 11131137, 11131178, 11131285, 11131299, 11131518, 11131757, AZE2160, AZE2194, AZE2617, AZE2623, AZE2634, AZE2640, AZE2649, AZE2669, IS1015, IS1040, IS1060, IS1094, IS1104, IS1107, IS1173	6,0 x 12,0 x 11,0

APLICAÇÕES

ACME ADN 37/2VW, ADN 37VW, ADN 37W, ADN 45, ADN 48W, ADN 54W, ADN 60W **AGRALE** 4230.4 GARGO **ARONA** AD 178M, AD 182L, AD 182M, AD 185M **AUDI** A3 1.6, A3 1.8 QUATTRO, A3 TURBO, A3 TURBO 20V, TT, TT ROADSTER **DIVERSAS** BCS **DUCATI** DM, HD, RH **FERRARI** SERIE 71, SERIE 718, SERIE 72S, SERIE 792, SERIE 794, SERIE 800, SERIE 90, SERIE 90 SB, SERIE T 72, SERIE T 93, SERIES 300, SERIES 305, SERIES 306, SERIES 307 **FORD** GALAXY 2.3, GALAXY 2.3 16V **SEAT** ALHAMBRA 1.8 TURBO 20V, ALHAMBRA 2.0, CORDOBA 1.6, CORDOBA 1.8, CORDOBA 1.8 TURBO, CORDOBA 2.0, CUPRA, IBIZA 1.6, IBIZA 1.8, IBIZA 2.0, IBIZA 2.0 TURBO 20V, LEON **SKODA** FABIA 2.0, OCTAVIA 1.4, OCTAVIA 1.8 **VALPADANA** VMC 130, VMC 150 **VOLKSWAGEN** BEETLE 1.8 TURBO, BEETLE 2.0, BORA 1.4, BORA 1.6, BORA 1.8, BORA 2.0, BORA 2.0 TURBO, CADDY 1.6, GOLF III 1.4, GOLF III 1.6, GOLF III 1.8, GOLF IV, GOLF V 1.8 GTI, JETTA 1.8 TURBO GL, JETTA 1.8 TURBO GLS, JETTA 2.0, NEW BEETLE 1.6, NEW BEETLE 1.8, NEW BEETLE TURBO 2.0, PASSAT 1.8, PASSAT GL, POLO 1.6, POLO 1.8

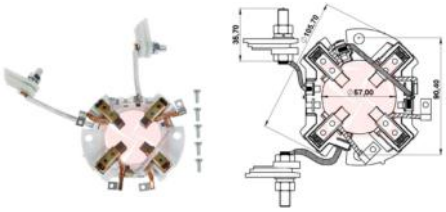
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-336-12V	ISKRA		16.908.336

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11130567, 11130569, 11130619, 11130692, 11130703, 11130704, 11130705, 11130706, 11130748, 11130762, 11130785, 11130793, 11130799, 11130819, 11130820, 11130836, 11130841, 11130862, 11130863, 11130904, 11130941, 11130945, 11130998, 11130999, 11131014, 11131060, 11131065, 11131077, 11131145, 11131167, 11131191, 11131228, 11131237, 11131260, 11131300, 11131352, 11131370, 11131374, 11131375, 11131382, 11131411, 11131430, 11131436, 11131440, 11131464, 11131488, 11131490, 11131491, 11131507, 11131508, 11131520, 11131542, 11131550, 11131573, 11131574, 11131575, 11131604, 11131611, 11131612, 11131613, 11131640, 11131658, 11131697, 11131705, 11131706, 11131709, 11131727, 11131763, 11131782, 11131783, 11131784, 11131798, 11131811, 11131829, 11131830, 11131839, 11131848, 11131883, 11131893, 11131896, 11131898, 11131900, 11131920, 11131929, 11131930, 11131945, 11131965, 11132008, 11132009, 11132012, 11132045, 11132046, 11132047, 11132056, 11132062, 11132066, 11132069, 11132070, 11132073, 11132099, 11132104, 11132118, 11132122, 11132149, AZF4115, AZF4119, AZF4122, AZF4129, AZF4130, AZF4131, AZF4132 AZF4135, AZF4141, AZF4143, AZF4146, AZF4147, AZF4148 AZF4155, AZF4158, AZF4159, AZF4160, AZF4164, AZF4170 AZF4181, AZF4183, AZF4184, AZF4185, AZF4190, AZF4196 AZF4204, AZF4205, AZF4206, AZF4209, AZF4214, AZF4220 AZF4224, AZF4240, AZF4242, AZF4245, AZF4247, AZF4248 AZF4251, AZF4253, AZF4254, AZF4258, AZF4260, AZF4269 AZF4270, AZF4279, AZF4280, AZF4281, AZF4283, AZF4284 AZF4286, AZF4287, AZF4288, AZF4291, AZF4296, AZF4304 AZF4305, AZF4315, AZF4510, AZF4511, AZF4513, AZF4514 AZF4520, AZF4521, AZF4524, AZF4528, AZF4535, AZF4538 AZF4541, AZF4542, AZF4545, AZF4553, AZF4559, AZF4562 AZF4569, AZF4570, AZF4577, AZF4591, AZF4595, AZF4596 AZF4597, AZF4598, AZF4627, AZF4637, AZF4639, AZF4643 AZF4683, AZF4687, AZF4691, AZF4814, AZF4831	7,9 x 25,0 x 18,9

APLICAÇÕES

ATLAS ATLAS: PÁ CARREGADEIRA AR61A, EMPILHADEIRA AS81, PÁ CARREGADEIRA AR51BE, PÁ CARREGADEIRA AR70, PÁ CARREGADEIRA AR81 **ATLAS COPCO** COMPRESSOR DE AR ST35, COMPRESSOR DE AR ST48, COMPRESSOR DE AR STS35, COMPRESSOR DE AR STS48, COMPRESSOR DE AR XAHS 237, COMPRESSOR DE AR XAMS 287, COMPRESSOR DE AR XAS 186, COMPRESSOR DE AR XATS 156 **BOBCAT** MINI PÁ CARREGADEIRA 2000, MINI PÁ CARREGADEIRA 2400, MINI PÁ CARREGADEIRA 2410, MINI PÁ CARREGADEIRA 641, MINI PÁ CARREGADEIRA 741 MINI PÁ CARREGADEIRA 843, MINI PÁ CARREGADEIRA 843B, MINI PÁ CARREGADEIRA 853, MINI PÁ CARREGADEIRA 853H, MINI PÁ CARREGADEIRA 863, MINI PÁ CARREGADEIRA 863C, MINI PÁ CARREGADEIRA 863F;, MINI PÁ CARREGADEIRA 863HC, MINI PÁ CARREGADEIRA 863HF, MINI PÁ CARREGADEIRA 873C, MINI PÁ CARREGADEIRA 943, MINI PÁ CARREGADEIRA 974 **BOMAG** COMPACTADOR (ROLO DE PNEUS) BW24 RH, COMPACTADOR (ROLO DE PNEUS) BW25 RH, COMPACTADOR (ROLO DE PNEUS) BW27 RH, PAVIMENTADORA DE ASFALTO BF800, ROLO COMPACTADOR BW141 AC, ROLO COMPACTADOR BW190 AD-4, ROLO COMPACTADOR BW190 AD-4 AM, ROLO COMPACTADOR BW202 AD-4, ROLO COMPACTADOR BW203 AD-4, ROLO COMPACTADOR BW203 AD-4 AM ROLO COMPACTADOR BW211 D-40, ROLO COMPACTADOR BW212 D-40, ROLO COMPACTADOR BW213 D-40, ROLO COMPACTADOR BW216 D-40, ROLO COMPACTADOR BW216 PD-40, ROLO COMPACTADOR BW218 D-40 **CASE** COLHEITADEIRA 1620, COLHEITADEIRA 1640, COLHEITADEIRA 1644, COLHEITADEIRA 1666, COLHEITADEIRA 1668, COLHEITADEIRA 1670, COLHEITADEIRA 1680 COLHEITADEIRA 1688, COLHEITADEIRA 1690, COLHEITADEIRA 2144, COLHEITADEIRA 2166, COLHEITADEIRA 2188, COLHEITADEIRA 2366, COLHEITADEIRA 2388, COLHEITADEIRA 2399, COLHEITADEIRA DE ALGODÃO 1822, COLHEITADEIRA DE ALGODÃO 1844, COLHEITADEIRA DE ALGODÃO 2055, COLHEITADEIRA DE ALGODÃO 2155, MINI PÁ CARREGADEIRA SR200, MINI PÁ CARREGADEIRA SR250, TRATOR CS 105, TRATOR CS 110, TRATOR CS 120, TRATOR CS 130, TRATOR CS 150, TRATOR CS 78, TRATOR CS 80, TRATOR CS 85, TRATOR CS 86, TRATOR CS 94, TRATOR CS 95, TRATOR CVX 1135, TRATOR CVX 1145, TRATOR CVX 1155, TRATOR CVX 1170, TRATOR CVX 1190, TRATOR CVX 1195, TRATOR CVX 120, TRATOR CVX 130, TRATOR CVX 140, TRATOR CVX 150, TRATOR CVX 160, TRATOR CVX 170, TRATOR CVX 175, TRATOR CVX 190, TRATOR CVX 195, TRATOR FARMALL 105A, TRATOR FARMALL 115A, TRATOR FARMALL 95A, TRATOR JXU 115, TRATOR JXU 75 TRATOR MXM 120, TRATOR MXM 130, TRATOR MXM 140, TRATOR MXM 155, TRATOR MXM 175, TRATOR MXM 190, TRATORES MAXXUM, TRATORES PUMA **CATERPILLAR** COLHEITADEIRA CHALLENGER 652C, COLHEITADEIRA CHALLENGER 660B, COLHEITADEIRA CHALLENGER 670B, COLHEITADEIRA CHALLENGER 672C, COLHEITADEIRA CHALLENGER WR9740, PULVERIZADOR (GAFANHOTO) CHALLENGER RG1100, PULVERIZADOR (GAFANHOTO) CHALLENGER RG1300, PULVERIZADOR (GAFANHOTO) CHALLENGER RG635B, PULVERIZADOR (GAFANHOTO) CHALLENGER RG645B, PULVERIZADOR (GAFANHOTO) CHALLENGER RG655B, TERRA-GATOR CHALLENGER 8333, TERRA-GATOR CHALLENGER TG845, TRATOR CHALLENGER MT665D, TRATOR CHALLENGER MT685D, TRATOR DE ESTEIRAS CHALLENGER MT745D, TRATOR DE ESTEIRAS CHALLENGER MT755D, TRATOR DE ESTEIRAS CHALLENGER MT755E, TRATOR DE ESTEIRAS CHALLENGER MT765D, TRATOR DE ESTEIRAS CHALLENGER MT765E, TRATOR DE ESTEIRAS CHALLENGER MT775E **CHALLENGER** COLHEITADEIRA 652C, COLHEITADEIRA 660B, COLHEITADEIRA 670B, COLHEITADEIRA 672C, COLHEITADEIRA WR9740, PULVERIZADOR (GAFANHOTO) RG1100, PULVERIZADOR (GAFANHOTO) RG1300, PULVERIZADOR (GAFANHOTO) RG635B, PULVERIZADOR (GAFANHOTO) RG645B, PULVERIZADOR (GAFANHOTO) RG655B, TERRA-GATOR 8333, TERRA-GATOR TG845, TRATOR DE ESTEIRAS MT745D, TRATOR DE ESTEIRAS MT755D, TRATOR DE ESTEIRAS MT755E, TRATOR DE ESTEIRAS MT765D, TRATOR DE ESTEIRAS MT765E, TRATOR DE ESTEIRAS MT775E, TRATOR MT665D, TRATOR MT685D **CUMMINS** 6CC **DEUTZ-FAHR** TRATORES **DIVERSAS** AGCO, PERKINS **DOOSAN** MANIPULADOR TELESCÓPICO DT70 **FORD** TRATORES **JCB** ESCAVADEIRA 805, ESCAVADEIRA 806, ESCAVADEIRA 807, TRATOR FASTRAC 3200 XTRA, TRATOR FASTRAC 3230 XTRA TRATOR FASTRAC 8280, TRATOR FASTRAC 8310 **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, COLHEITADEIRA 1470, COLHEITADEIRA 1550, COLHEITADEIRA 9470STS, COLHEITADEIRA 9570STS, COLHEITADEIRA DE CANA 3510, COLHEITADEIRA DE CANA 3520, EMPILHADEIRA 485E, EMPILHADEIRA 486E, EMPILHADEIRA 488E, MANIPULADOR TELESCÓPICO 3200, MANIPULADOR TELESCÓPICO 3215, MANIPULADOR TELESCÓPICO 3220, MANIPULADOR TELESCÓPICO 340, MANIPULADOR TELESCÓPICO 3415, MANIPULADOR TELESCÓPICO 3420, MANIPULADOR TELESCÓPICO 3800, MOTOR 3029DF/TF, MOTOR 4039DF/TF, MOTOR 4045D/T, MOTOR 4045DF/HF/TF, MOTOR 6059, MOTOR 6068HBM02, MOTOR 6068HCQ04, MOTOR 6068HCQ05, MOTOR 6068HCQ07, MOTOR 6068HYC52, PÁ CARREGADEIRA 210LE, PÁ CARREGADEIRA 310E, PÁ CARREGADEIRA 310G, PÁ CARREGADEIRA 310S, PÁ CARREGADEIRA 310SE, PÁ CARREGADEIRA 315SE, PÁ CARREGADEIRA 410E, RETROESCAVADEIRA 310SE, RETROESCAVADEIRA 310SG, RETROESCAVADEIRA 315SE, RETROESCAVADEIRA 315SG, RETROESCAVADEIRA 410C, RETROESCAVADEIRA 410E, RETROESCAVADEIRA 410G, TRATOR 4040, TRATOR 5038D, TRATOR 5041C, TRATOR 5042D, TRATOR 5045D, TRATOR 5050D, TRATOR 5055E, TRATOR 5060E, TRATOR 5065E, TRATOR 5075E, TRATOR 5724MFWD **LIEBHERR** ESCAVADEIRA A901, ESCAVADEIRA A911, ESCAVADEIRA A921, ESCAVADEIRA R911, ESCAVADEIRA R921 **MASSEY FERGUSON** TRATOR MF291, TRATOR MF330, TRATOR MF3655, TRATOR MF4292, TRATOR MF4297, TRATOR MF4299, TRATOR MF4320, TRATOR MF4325, TRATOR MF4335, TRATOR MF4345, TRATOR MF435, TRATOR MF4355 TRATOR MF4360, TRATOR MF4370, TRATOR MF440, TRATOR MF445, TRATOR MF455, TRATOR MF460, TRATOR MF470, TRATOR MF480, TRATOR MF5455, TRATOR MF5608, TRATOR MF5609, TRATOR MF5610, TRATOR MF5611, TRATOR MF5613, TRATOR MF5711, TRATOR MF5712, TRATOR MF5713, TRATOR MF6225, TRATOR MF6613, TRATOR MF6614, TRATOR MF6615, TRATOR MF6616, TRATOR MF7715, TRATOR MF7716, TRATOR MF7718, TRATOR MF7719, TRATOR MF7720, TRATOR MF7722, TRATOR MF7724, TRATOR MF7726, TRATOR MF8140, TRATOR MF8150, TRATOR MF8160, TRATOR MF8210, TRATOR MF8220, TRATOR MF8250, TRATOR MF8260, TRATOR MF8270, TRATOR MF8280, TRATOR MF8450, TRATOR MF8460, TRATOR MF8470, TRATOR MF8480, TRATOR MF8650, TRATOR MF8660, TRATOR MF8670, TRATOR MF8680, TRATOR MF8690, TRATOR MF8727, TRATOR MF8730, TRATOR MF875 **NEW HOLLAND** COLHEITADEIRA CX720, COLHEITADEIRA CX740;, COLHEITADEIRA CX760, COLHEITADEIRA CX780, COLHEITADEIRA CX820, COLHEITADEIRA CX840, COLHEITADEIRA HW300, COLHEITADEIRA HW320, COLHEITADEIRA HW340, COLHEITADEIRA HW345, COLHEITADEIRA HW365, TRATOR 3430, TRATOR 3930, TRATOR 4130, TRATOR 4630, TRATOR 4830, TRATOR 4835, TRATOR 5030, TRATOR 5610, TRATOR 5640, TRATOR 6610, TRATOR 6640, TRATOR 7010, TRATOR 7610 TRATOR 7740, TRATOR 7840, TRATOR 8010, TRATOR 8160, TRATOR 8240, TRATOR 8260, TRATOR 8340, TRATOR 8360, TRATOR 8560, TRATOR DE ESTEIRAS TK4050, TRATOR TB100, TRATOR TB110, TRATOR TB120, TRATOR TB80, TRATOR TB85, TRATOR TB90, TRATOR TC56, TRATOR TC57, TRATOR TM115, TRATOR TM125, TRATOR TM135, TRATOR TM150, TRATOR TM165, TRATOR TS110, TRATOR TS115, TRATOR TS125, TRATOR TV140, TRATORES T6, TRATORES T7, TRATORES TD5 **VALMET** TRATORES **VALTRA** COLHEITADEIRA BC4500, COLHEITADEIRA BC4500R, TRATOR A750, TRATOR A85, TRATOR A95, TRATOR A950, TRATOR A990, TRATOR BH135, TRATOR BH145, TRATOR BH165, TRATOR BH180, TRATOR BH185, TRATOR BH200, TRATOR BH205, TRATOR BH210, TRATOR BM100,

TRATOR BM110, TRATOR BM125, TRATOR N101, TRATOR N103, TRATOR N111, TRATOR N113, TRATOR N121, TRATOR N123, TRATOR N141, TRATOR N143, TRATOR N163, TRATOR N174, TRATOR N82, TRATOR N91, TRATOR N92, TRATOR N93, TRATOR S233, TRATOR S260, TRATOR S263, TRATOR S274, TRATOR S280, TRATOR S293, TRATOR S294, TRATOR S323, TRATOR S324, TRATOR S353, TRATOR S374, TRATOR T121, TRATOR T131, TRATOR T133, TRATOR T144, TRATOR T151, TRATOR T153, TRATOR T163, TRATOR T173, TRATOR T174, TRATOR T183, TRATOR T191, TRATOR T193, TRATOR T194 TRATOR T203, TRATOR T213, TRATOR T214, TRATOR T234, TRATOR X120 **ZETOR** TRATOR 3520, TRATOR 3540, TRATOR 4712, TRATOR 4718, TRATOR 4911, TRATOR 5011, TRATOR 5211, TRATOR 5213, TRATOR 5243, TRATOR 5245, TRATOR 5320, TRATOR 5321, TRATOR 5340, TRATOR 5341, TRATOR 5511, TRATOR 5516, TRATOR 5645, TRATOR 5647, TRATOR 5711, TRATOR 5718, TRATOR 5745, TRATOR 5748, TRATOR 5911, TRATOR 5945, TRATOR 6011, TRATOR 6045, TRATOR 6211, TRATOR 6212, TRATOR 6245, TRATOR 6320, TRATOR 6321, TRATOR 6340, TRATOR 6341, TRATOR 6511, TRATOR 6518, TRATOR 6522, TRATOR 6711, TRATOR 6718, TRATOR 6745, TRATOR 6748, TRATOR 6911, TRATOR 6918, TRATOR 6945, TRATOR 7011, TRATOR 7045, TRATOR 7211, TRATOR 7245, TRATOR 7321, TRATOR 7340, TRATOR 7341, TRATOR 7520, TRATOR 7711, TRATOR 7742



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-355-12/24V	ISKRA		16906472,MMX688

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11212001, 11212034, 11212070, 11212076, 11212083, 11212084, 11212088, 11212113, 11212212, 11212216, 11212234, 11212255, 11212276, 11212299, 11212316, 11212355, 11212358, 11212361, 11212417, 11212511, 11212513, 11212537, 11212560, 11212610, 11212612, 11212626, 11212736, 11212746, 11212748, 11212754, 11212756, 11212770, 11212865, 11212905, 11212922, 11212923, 11212936, 11212941, 11212958, 11212987, 11214057, 11214058, 11214070, 11214071, 11216021, 11216022, 11216045, 11216079, 11216164, 11216205, 11216208, 11216209, 11216211, 11216233, 11216257, 11216422, 11216446, 11216456, 11216541, 11216574, 11216623, 11216633, 11216677, 11216678, 11216835, 11216857, 11216882, 11216914, 11216995, 11216997, 11218043, 11218140, AMJ5107, AMJ5109, AMJ5115, AMJ5127, AMJ5154, AMJ5156, AMJ5157, AMJ5163, AMJ5176, AMJ5178, AMJ5185, AMJ5196, AMJ5198, AMJ5206, AMJ5208, AMJ5214, AMJ5217, AMJ5239, AMJ5249, AMJ5253, AMJ5254, AMJ5266, AMJ5269, AMJ5273, AMJ5279, AMJ5282, AMJ5283, AMJ5291, AMJ5511, AMJ5512, AMJ5522, AMJ5529, AMJ5538, AMJ5549, AMJ5557, AMJ5565, AMJ5568, AMJ5571, AMJ5592, AMJ5601, AMJ5605, AMJ5636, AMJ5642, AMJ5647, AMJ5648, AMJ5652, AMJ5670, AMJ5702, AMJ5714, AMJ5718, AMJ5720, AMJ5721, AMJ5723, AMJ5725, AMJ5730, AMJ5763, AMJ5767, AMJ5770, AMJ5781, AMJ5789, AMJ5798, AMJ5803, AMJ5816, AMJ5817, AMJ5842, AMJ5847, AMJ5858, AMJ5883, AMJ5885, AMJ5897, IM0021, IM0029, IM0038, IM0051, IM0055, IM0057, IM0139, IM0140, IM0142, IM0145, IM0161, IM0204, IM0246, IM0260, IM0269, IM0270, IM0283, IM0350, IM0361, IM0434, MM143, MM151, MM159, MM160, MM176 MM191, MM204, MM205, MM208, MM256, MM259, MM268 MM272, MM321, MM368, MM397, MM60, MM62, MM87, MM96	9,0 x 16,0 x 17,0

APLICAÇÕES
DIVERSAS EMPILHADEIRAS, GUINCHOS, GUINDASTES, PALETEIRAS, PLATAFORMAS **ELEVADORES** AMETEC, BREVINI FLUID POWER., BUCHER HYDRAULICS, FLUIDLINK HYDRAULICS, MONARCH, ORTOBRAS, PALETRANS, SMITHS, SPX FLUID POWER, WESTERN MOTORS

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-752-12V	ISKRA		16908752

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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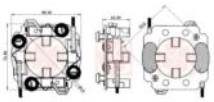
11132068, 11132077, 11132095, 11132101, 11132121, 11132127, 11132128, 11132134, 11132144, 11132153, 11132154, 11132155, 11132156, 11132159, 11132160, 11132165, 11132166, 11132168, 11132169, 11132173, 11132180, 11132182, 11132193, 11132196, 11132205, 11132227, 11132278, 11132279, 11132305, 11132306, 11132324, 11132330, 11132332, 11132344, 11132360, 11132376, 11132377, 11132378, 11132382, 11132383, 11132389, 11132399, 11132401, 11132413, 11132428, AZE4122, AZE4123, AZE4125, AZE4139, AZE4150, AZE4151, AZE4159, AZE4165, AZE4167, AZE4168, AZE4169, AZE4170, AZE4171, AZE4172, AZE4173, AZE4176, AZE4183, AZE4185, AZE4189, AZE4190, AZE4192, AZE4194, AZE4195, AZE4197, AZE4199, AZE4201, AZE4202, AZE4203, AZE4204, AZE4205, AZE4207, AZE4208, AZE4213, AZE4214, AZE4215, AZE4217, AZE4221, AZE4222, AZE4224, AZE4225, AZE4226, AZE4227, AZE4230, AZE4233, AZE4234, AZE4238, AZE4239, AZE4240, AZE4241, AZE4244, AZE4245, AZE4247, AZE4248, AZE4250, AZE4251, AZE4252, AZE4253, AZE4254, AZE4255, AZE4256, AZE4261, AZE4265, AZE4266, AZE4269, AZE4270, AZE4272, AZE4273, AZE4276, AZE4280, AZE4281, AZE4282, AZE4283, AZE4284, AZE4285, AZE4534, AZE4535, AZE4536, AZE4540, AZE4557, AZE4566, AZE4573, AZE4579, AZE4589, AZE4597, AZE4603, AZE4620, AZE4648, AZE4649, AZE4653, AZE4654, AZE4655, AZE4660, AZE4663, AZE4667, AZE4668, AZE4674, AZE4679, AZE4683, AZE4684, AZE6513, AZE6514, AZE6515, AZE6524, AZE6526, AZE6530, AZE6531, AZE6537, AZE6544, AZE6554, AZE6555, AZE6556, AZE6557, AZE6558, AZE6559, AZE6562, AZE6563, AZE6567, AZE6572, AZE6589, AZE6590, AZE6626

APLICAÇÕES

OBSERVAÇÕES Aplicado em partida iskra 2,8kw. **ATLAS COPCO** ATLAS COPCO:GERADOR QAS100, COMPRESSOR DE AR XAHS107, COMPRESSOR DE AR XAHS37, COMPRESSOR DE AR XAS137 COMPRESSOR DE AR XAS47, COMPRESSOR DE AR XAS57, COMPRESSOR DE AR XAS67, COMPRESSOR DE AR XAS90, COMPRESSOR DE AR XAS97, COMPRESSOR DE AR XATS67, COMPRESSOR DE AR XATS77, GERADOR QAS60, GERADOR QAS80, GERADOR QAX12, GERADOR QAX20, GERADOR QAX24, GERADOR QAX30, GERADOR QAX35, GERADOR QAX45, GERADOR QAX70 **BOBCAT** MANIPULADOR TELESCÓPICO T2256, MANIPULADOR TELESCÓPICO T2566, MANIPULADOR TELESCÓPICO T35100, MANIPULADOR TELESCÓPICO T35120, MANIPULADOR TELESCÓPICO T3571, MANIPULADOR TELESCÓPICO TL360, MANIPULADOR TELESCÓPICO TL470, MANIPULADOR TELESCÓPICO TR40250, MANIPULADOR TELESCÓPICO TR45190, MANIPULADOR TELESCÓPICO TR50210 MINI PÁ CARREGADEIRA 1075, MINI PÁ CARREGADEIRA 1080, MINI PÁ CARREGADEIRA 975 **BOMAG** ROLO COMPACTADOR BW124HD-3, ROLO COMPACTADOR BW135AD, ROLO COMPACTADOR BW138AC, ROLO COMPACTADOR BW138AD, ROLO COMPACTADOR BW141AD-4, ROLO COMPACTADOR BW145D, ROLO COMPACTADOR BW145DH, ROLO COMPACTADOR BW145PDH, ROLO COMPACTADOR BW151AC-4 AM, ROLO COMPACTADOR BW151AD-4, ROLO COMPACTADOR BW151AD-4 AM, ROLO COMPACTADOR BW154AD-4, ROLO COMPACTADOR BW154AD-4 AM, ROLO COMPACTADOR BW161AC-4, ROLO COMPACTADOR BW161AD-4, ROLO COMPACTADOR BW161AD-40, ROLO COMPACTADOR BW177DH-4, ROLO COMPACTADOR BW177DH-4 BVC, ROLO COMPACTADOR BW177PD-3, ROLO COMPACTADOR BW177PDH-3, ROLO COMPACTADOR BW177PDH-4, ROLO COMPACTADOR BW179DH-4, ROLO COMPACTADOR BW179PDH-4, ROLO COMPACTADOR BW211D-4 **CASE** RETROESCAVADEIRA 580ST, RETROESCAVADEIRA 590SN, RETROESCAVADEIRA 590ST, RETROESCAVADEIRA 695ST, TRATOR CS110, TRATOR CS68, TRATOR CS75, TRATOR CS80, TRATOR CS86, TRATOR FARMALL 100U, TRATOR FARMALL 105C, TRATOR FARMALL 105U, TRATOR FARMALL 110U, TRATOR FARMALL 115U, TRATOR FARMALL 85C, TRATOR FARMALL 90U, TRATOR FARMALL 95C, TRATOR FARMALL 95U, TRATOR JX1070, TRATOR JX1075, TRATOR JX60, TRATOR JX65, TRATOR JX70**CITROËN** JUMPER 2.5 D, JUMPER 2.5 TD, JUMPER 2.5 TDI, JUMPER 2.8 HDI, JUMPER 3.0 HDICLARK: MINI PÁ CARREGADEIRA 975 **CLARK** MINI PÁ CARREGADEIRA 1075, MINI PÁ CARREGADEIRA 1080 **CNH** 6030, 6040, 8030, TS6000 **CUMMINS** 4B, 6B, MOTOR 6BT **DIVERSAS** YANMAR **DRESSER** PÁ CARREGADEIRA 100, PÁ CARREGADEIRA 510B **DYNAPAC** COMPACTADOR (ROLO DE PNEUS) CA134D, COMPACTADOR (ROLO DE PNEUS) CA134PB, COMPACTADOR (ROLO DE PNEUS) CA134PP, COMPACTADOR (ROLO DE PNEUS) CA251, PAVIMENTADORA DE ASFALTO F1700W, PAVIMENTADORA DE ASFALTO F1700WS, PAVIMENTADORA DE ASFALTO F1700WS PLUS, PAVIMENTADORA DE ASFALTO F6-4W, ROLO COMPACTADOR CC102, ROLO COMPACTADOR CC122, ROLO COMPACTADOR CC142, ROLO COMPACTADOR CC432, ROLO COMPACTADOR CG333HF **FIAT** DUCATO 2.5 TD, DUCATO 2.8 D, DUCATO 2.8 JTD, DUCATO 2.8 TD **IVECO** CAMINHÕES DAILY 35 C10, CAMINHÕES DAILY 35 C11, CAMINHÕES DAILY 35 C12, CAMINHÕES DAILY 35 C13, CAMINHÕES DAILY 35 C15, CAMINHÕES DAILY 35 C9, CAMINHÕES DAILY 35 S10, CAMINHÕES DAILY 35 S11, CAMINHÕES DAILY 35 S12, CAMINHÕES DAILY 35 S13, CAMINHÕES DAILY 35 S15, CAMINHÕES DAILY 35 S17, CAMINHÕES DAILY 35 S9, CAMINHÕES DAILY 40 C13, CAMINHÕES DAILY 40 C15, CAMINHÕES DAILY 45 C13, CAMINHÕES DAILY 50 C11, CAMINHÕES DAILY 50 C13, CAMINHÕES DAILY 50 C15, CAMINHÕES DAILY 65 C14, CAMINHÕES DAILY 65 C15, CAMINHÕES DAILY 65 C17**JLG** MANIPULADOR TELESCÓPICO 6036, MANIPULADOR TELESCÓPICO 6042 **JOHN DEERE** COLHEITADEIRA 1032, COLHEITADEIRA 1042, COLHEITADEIRA 1052, COLHEITADEIRA 1055, COLHEITADEIRA 1068, COLHEITADEIRA 1085, COLHEITADEIRA 1144 COLHEITADEIRA 1155, COLHEITADEIRA 1157, COLHEITADEIRA 1158, COLHEITADEIRA 1166, COLHEITADEIRA 1169, COLHEITADEIRA 1174, COLHEITADEIRA 1177, COLHEITADEIRA 4425, COLHEITADEIRA 4435, COLHEITADEIRA 925, COLHEITADEIRA DE ALGODÃO 7440, COLHEITADEIRA DE ALGODÃO 7445, COLHEITADEIRA DE ALGODÃO 7450, COLHEITADEIRA DE ALGODÃO 9900, COLHEITADEIRA DE ALGODÃO 9910, COLHEITADEIRA DE ALGODÃO 9920, COLHEITADEIRA DE ALGODÃO 9930, COLHEITADEIRA MD330, COLHEITADEIRA MD930, COLHEITADEIRA MD932, COLHEITADEIRA MD935, COLHEITADEIRA MD940, COLHEITADEIRA MD942, COLHEITADEIRA MD945, COLHEITADEIRA MD950, MINI PÁ CARREGADEIRA 240, MINI PÁ CARREGADEIRA 250, MINI PÁ CARREGADEIRA 260, MINI PÁ CARREGADEIRA 313, MINI PÁ CARREGADEIRA 315, MINI PÁ CARREGADEIRA 317, MINI PÁ CARREGADEIRA 320, MINI PÁ CARREGADEIRA 325, MINI PÁ CARREGADEIRA 328, MINI PÁ CARREGADEIRA 332, MINI PÁ CARREGADEIRA DE ESTEIRAS CT315, MINI PÁ CARREGADEIRA DE ESTEIRAS CT322, MINI PÁ CARREGADEIRA DE ESTEIRAS CT332, MOTOR 4039, MOTOR 4045, MOTOR 4045DBM03, MOTOR 4045TBM03, MOTOR 4045TJ01-04, MOTOR 4219DF, MOTOR 4239D/T, MOTOR 4276D/T, MOTOR 6068DF/HF/TF, MOTOR 6329D, PÁ CARREGADEIRA 244J, PÁ CARREGADEIRA 304J, TRATOR 5036 C (INDIA), TRATOR 5038 D (INDIA), TRATOR 5041 C (INDIA), TRATOR 5042 D (INDIA), TRATOR 5045 D (INDIA), TRATOR 5047 D (INDIA), TRATOR 5050 D (INDIA), TRATOR 5055 E (INDIA), TRATOR 5060 E (INDIA), TRATOR 5065 E (INDIA), TRATOR 5075 E, TRATOR 5078 E, TRATOR 5085 E, TRATOR 5090 E, TRATOR 5210, TRATOR 5300, TRATOR 5300N, TRATOR 5310 TRATOR 5310N, TRATOR 5400N, TRATOR 5403, TRATOR 5410, TRATOR 5410N, TRATOR 5500, TRATOR 5500N, TRATOR 5605, TRATOR 5705, TRATOR 5725 MFWD, TRATOR 6110 E, TRATOR 6110 J, TRATOR 6125 E, TRATOR 6125 J, TRATOR 6415, TRATOR 6615 **LIEBHERR** PÁ CARREGADEIRA L506, PÁ CARREGADEIRA L507, PÁ CARREGADEIRA L508, PÁ CARREGADEIRA L509, PÁ CARREGADEIRA L510 **MASSEY FERGUSON** TRATOR MF3600, TRATOR MF3625, TRATOR MF3635, TRATOR MF3640, TRATOR MF3645, TRATOR MF3650, TRATOR MF3660, TRATOR MF5300**MÜLLER** ROLO COMPACTADOR RT62 VIBRO, ROLO COMPACTADOR RT82 VIBRO **MWM** MOTOR D229-3, MOTOR D229-4, MOTOR D229-6, MOTOR TBD229-6, MOTOR TD229-6 **NEW HOLLAND** PULVERIZADOR (GAFANHOTO) PATRIOT SP2500, RETROESCAVADEIRA LB110, RETROESCAVADEIRA LB110B, RETROESCAVADEIRA LB115, RETROESCAVADEIRA LB115B, RETROESCAVADEIRA LB75B RETROESCAVADEIRA LB90, RETROESCAVADEIRA LB90B, RETROESCAVADEIRA LB95, TRATOR DE ESTEIRAS TK4020F, TRATOR DE ESTEIRAS TK4020V, TRATOR DE ESTEIRAS TK4030, TRATOR DE ESTEIRAS TK4030F, TRATOR DE ESTEIRAS TK4030V, TRATOR DE ESTEIRAS TK4040, TRATOR DE ESTEIRAS TK4040M, TRATOR DE ESTEIRAS TK4050, TRATOR DE ESTEIRAS TK4060, TRATOR T4020, TRATOR T4030, TRATOR T4040, TRATOR T4050, TRATOR T5105, TRATOR T5115, TRATOR T6110, TRATOR T6120, TRATOR T6130, TRATOR TD5010, TRATOR TN55, TRATOR TN60, TRATOR TN65, TRATOR TN70, TRATOR TN75, TS6000, TS6030, TS6040, TS8030 **PEUGEOT** 605 2.5D TURBO, BOXER 2.5 TD, BOXER 2.5 TDI, BOXER 2.8 HDI **SLC** COLHEITADEIRA 7200 TURBO **TEREX** RETROESCAVADEIRA TL100;, RETROESCAVADEIRA TL160 **VALMET** TRATORES **VALTRA** TRATOR 685, TRATOR A650, TRATOR A750, TRATOR A850, TRATOR A950 **WHITE** TRATOR 100, TRATOR 120, TRATOR 125, TRATOR 140, TRATOR 145, TRATOR 60, TRATOR 80 **WILLMAR** PULVERIZADOR (GAFANHOTO) EAGLE 8100, PULVERIZADOR (GAFANHOTO) RANGER 7200, PULVERIZADOR (GAFANHOTO) RANGER 7400, PULVERIZADOR (GAFANHOTO) XPLORER 6200, PULVERIZADOR (GAFANHOTO) XPLORER 6400 **ZETOR** TRATOR 3320, TRATOR 3321, TRATOR 3340, TRATOR 3341, TRATOR 3511, TRATOR 3513, TRATOR 3520, TRATOR 3540, TRATOR 3545, TRATOR 4320, TRATOR 4321, TRATOR 4340, TRATOR 4341, TRATOR 4511, TRATOR 4611, TRATOR 4712, TRATOR 4718, TRATOR 4911, TRATOR 5011, TRATOR 5211, TRATOR 5213, TRATOR 5243, TRATOR 5245, TRATOR 5320, TRATOR 5321, TRATOR 5341, TRATOR 5511, TRATOR 5516, TRATOR 5545, TRATOR 5611, TRATOR 5645, TRATOR 5647, TRATOR 5711, TRATOR 5718, TRATOR 5745, TRATOR 5748, TRATOR 5911, TRATOR 5945, TRATOR 6011, TRATOR 6045, TRATOR 6211, TRATOR 6212, TRATOR 6245, TRATOR 6320, TRATOR 6321, TRATOR 6341, TRATOR 6511, TRATOR 6518, TRATOR 6522, TRATOR 6711, TRATOR 6718, TRATOR 6745, TRATOR 6748, TRATOR 6911, TRATOR 6918, TRATOR 6945, TRATOR 7011, TRATOR 7045, TRATOR 7211, TRATOR 7245, TRATOR 7321, TRATOR 7340, TRATOR 7341, TRATOR 7520, TRATOR 7520ZETOR:TRATOR 7711, TRATOR 7745

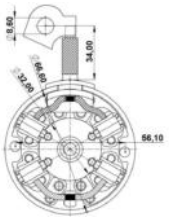


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-972-12V	ISKRA		16905972

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11.130.823, 11130203, 11130248, 11130250, 11130432, 11130500, 11130502, 11130503, 11130509, 11130520, 11130521, 11130525, 11130526, 11130531, 11130532, 11130533, 11130548, 11130551, 11130552, 11130565, 11130579, 11130612, 11130618, 11130620, 11130624, 11130629, 11130631, 11130632, 11130665, 11130669, 11130670, 11131823, 16445, 16562, 17072, 17074, 17075, 17095, 17114, 17649, 18461, 19657, 19677, 30036, 30122, 32302, AZJ3123, AZJ3137, AZJ3139, AZJ3140, AZJ3144, AZJ3148, AZJ3149, AZJ3150, AZJ3151, AZJ3155, AZJ3156 AZJ3157, AZJ3166, AZJ3169, AZJ3170, AZJ3177, AZJ3182 AZJ3192, AZJ3195, AZJ3197, AZJ3198, AZJ3203, AZJ3205 AZJ3206, AZJ3217, AZJ3218, AZJ3219, AZJ3286, AZJ3538 AZJ3552, AZJ3554	8,9 x 15,9 x 23,0

APLICAÇÕES

ATLAS PÁ CARREGADEIRA AR51BE, PÁ CARREGADEIRA AR61A, PÁ CARREGADEIRA AR70, PÁ CARREGADEIRA AS81 **ATLAS COPCO** COMPRESSOR DE AR ST35, COMPRESSOR DE AR ST48, COMPRESSOR DE AR STS35, COMPRESSOR DE AR STS48 **CASE** TRATOR 1394, TRATOR 1494, TRATOR 1594, TRATOR 1690, TRATOR 1694 **DEUTZ-FAHR** TRATOR DX3.10, TRATOR DX3.30, TRATOR DX3.50, TRATOR DX3.60, TRATOR DX3.70, TRATOR DX3.80, TRATOR DX3.90, TRATOR DX4.10, TRATOR DX4.31, TRATOR DX4.51, TRATOR DX4.70, TRATOR DX6.05, TRATOR DX6.50, TRATOR DX7.10 **FORD** TRATORES **IVECO** CAMINHÕES 110-13, CAMINHÕES 130-13, CAMINHÕES 75-9, CAMINHÕES 80-13, CAMINHÕES 80-9, CAMINHÕES 90-13, CAMINHÕES 90-9, CAMINHÕES DAILY 28 F8, CAMINHÕES DAILY 28-8, CAMINHÕES DAILY 30 F8, CAMINHÕES DAILY 30-8, CAMINHÕES DAILY 32 F8, CAMINHÕES DAILY 32-8, CAMINHÕES DAILY 35 F8, CAMINHÕES DAILY 35-10 TURBO, CAMINHÕES DAILY 35-8, CAMINHÕES DAILY 40 F8, CAMINHÕES DAILY 40-10 TURBO, CAMINHÕES DAILY 40-8, CAMINHÕES DAILY 45-10 TURBO, CAMINHÕES DAILY 49-10 TURBO, CAMINHÕES DAILY 49-12 TURBO, CAMINHÕES DAILY 59-12 TURBO **JCB** ESCAVADEIRA 805, ESCAVADEIRA 806, ESCAVADEIRA 806B, ESCAVADEIRA 807, ESCAVADEIRA 807B, ESCAVADEIRA 808, PÁ CARREGADEIRA 1250, PÁ CARREGADEIRA 413, PÁ CARREGADEIRA 418, PÁ CARREGADEIRA 505-19, PÁ CARREGADEIRA 520, PÁ CARREGADEIRA 520M, PÁ CARREGADEIRA 525, PÁ CARREGADEIRA 525B, PÁ CARREGADEIRA 702, PÁ CARREGADEIRA 703, PÁ CARREGADEIRA 704, PÁ CARREGADEIRA 902, PÁ CARREGADEIRA DE ESTEIRAS 110, PÁ CARREGADEIRA SL1000P (CHASESIDE), PÁ CARREGADEIRA SL1500P (CHASESIDE), PÁ CARREGADEIRA SL1750P (CHASESIDE), PÁ CARREGADEIRA SL702P (CHASESIDE), PÁ CARREGADEIRA SL704P (CHASESIDE), PÁ CARREGADEIRA SL900P (CHASESIDE) **JOHN DEERE** COLHEITADEIRA MD1032, COLHEITADEIRA MD1042, COLHEITADEIRA MD1052, COLHEITADEIRA MD1055, COLHEITADEIRA MD1068 HYDRO, COLHEITADEIRA MD1072 HYDRO **LAMBORGHINI** TRATOR 554, TRATOR 564, TRATOR 574-60, TRATOR 660, TRATOR 664, TRATOR 770 **MASSEY FERGUSON** TRATOR MF102, TRATOR MF105, TRATOR MF1080, TRATOR MF1085, TRATOR MF1100, TRATOR MF1104, TRATOR MF1114, TRATOR MF1250, TRATOR MF186, TRATOR MF201, TRATOR MF205, TRATOR MF206, TRATOR MF207, TRATOR MF3060, TRATOR MF3065, TRATOR MF307, TRATOR MF3070, TRATOR MF487, TRATOR MF506, TRATOR MF510, TRATOR MF520, TRATOR MF525, TRATOR MF592, TRATOR MF595, TRATOR MF620, TRATOR MF625, TRATOR MF675 TRATOR MF685, TRATOR MF690 **MWM** MOTOR D208-2, MOTOR D208-3, MOTOR D225-2, MOTOR D308-2, MOTOR D308-3, MOTOR D308-4, MOTOR TD208-4 **NEW HOLLAND** TRATORES **VALTRA** 685C C/ MOTOR MWM, 685F C/ MOTOR MWM **VOLVO** TRATOR BM2200, TRATOR BM500, TRATOR T430

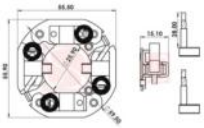


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-362-12V	JHAEM		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-03400, JM000A15001	5,0 x 10,6 x 12,0

APLICAÇÕES

HYUNDAI HB20 **KIA** PICANTO 1.0 (2004->, PICANTO 1.0 BI-FUEL, PICANTO 1.0 LPG, PICANTO 1.2, RIO (2011->, RIO 1.2 CVVT, RIO 1.25 CVVT, RIO 1.25 LPG

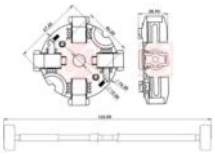


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-003-12V	MAGNETI MARELLI	M70R	9947758,9948019,9948653,77363821,83220461 83222681,83226683,83227131,83227226, 83227260

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
083220461010, 083222681010, 083226683010, 083227131010, 083227226010, 083227260010, 2280009540 63011018, 63111000, 63111001, 63111005, 63111007, 63111008, 63111010, 63111018, 63111023, 63111027, 63111036, 63111037, 63111043, 63113001, 63113002, 63113003, 63193001, 63223430, 63223431, 63223432, 63223433, 63223434, 63223435, 63223436, 63223438, 63223494, 63223536, 63223537, 63223730, 63293538, 95FB11000BB, 95FB11000BC, 95FB11000BD, 95FB11000BG	6,0 x 15,0 x 16,5

APLICAÇÕES

ALFA ROMEO 145 1.4, 146 1.4, 155 1.8, 156 2.0, 164 2.0, 166 2.0, GT 1.8, GTV 2.0, SPIDER 2.0 **FIAT** BRAVA 1.6, BRAVA 1.8, BRAVO 1.8, BRAVO 2.0, COUPÉ 1.8, COUPÉ 2.0, DOBLÒ 1.9, GRAND PUNTO 1.6, MAREA 1.6, MAREA 2.4, PALIO 1.9, PALIO WEEKEND, PUNTO 1.9, STRADA 1.9, TEMPRA 1.8, TEMPRA 2.0, TEMPRA SW, TIPO 1.6, TIPO SW, UNO 1.3 **FORD** COURIER 1.3, FIESTA 1.3 **LANCIA** DEDRA 1.6 16V, LYBRA 1.6 16V **MAZDA** 121 1.3 **NISSAN** PRIMERA 2.0 **SUZUKI** SX4 1.9 DDIS

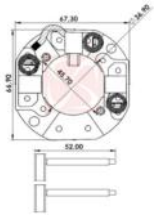


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-139-12V	MAGNETI MARELLI	E95R	85540341,85540691,085540341010, 085540691010

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
063221831010, 063222030010, 063222031010, 063222034010, 063222036010, 063222038010, 063222039010, 063222130010, 063222131010, 063222133010, 063222134010, 063222135010, 063222136010, 063222138010, 063222204010, 063222206010, 63221831, 63222030, 63222031, 63222034 63222035, 63222036, 63222038, 63222039, 63222130, 63222131, 63222133, 63222134, 63222135, 63222136, 63222138, 63222204, 63222206	8,0 x 19,0 x 18,0

APLICAÇÕES

ALFA ROMEO CARROS ALFA 145, CARROS ALFA 155, CARROS ALFA 156 2.4 JTD, CARROS ALFA 166 2.4 JTD, CARROS AR6 1.9 D **CITROËN** CARROS C25 1.9 TD **FIAT** BRAVA 1.9 JTD, CROMA 1.9 TD, DUCATO 1.9 D, MAREA 2.4 JTD, MAREA 2.4 TD, MULTIPLA 1.9 JTD, PUNTO 1.9 JTD, REGATA 65 1.9 D, RITMO 1.9 TD, TEMPRA 1.9 D, TEMPRA 1.9 TD, TIPO 1.9 TD **IVECO** CAMINHÕES DIVERSOS, FURGÃO

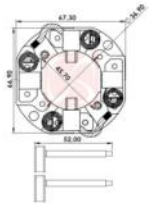


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-140-12V	MAGNETI MARELLI	E80E0.9-12	83224461,83225326

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
63101000, 63101002, 63102003, 63102004, 63102007, 63102008, 63222889, 63222897, 63222900, 63222901, 63222905, 63222908, 63222909, 63222936, 63223085, 63223101, 63223103, 63223104, 63223108, 63223109, 63223200, 63223303, 63293101, 63293103, 63293104	7,0 x 13,0 x 17,5

APLICAÇÕES

CITROËN JUMPY (DISPATCH) 1.6, JUMPY (DISPATCH) 1.6I **FIAT** 500 (CINQUECENTO) 1.1, 600 (SEICENTO) 1.1, BRAVA 1.2, BRAVA 1.4, BRAVA 1.6 16V EL, BRAVA 1.6 16V SX, BRAVO 1.4, BRAVO 1.6 BRAVO 1.6 SX, FIORINO 1.0, FIORINO 1.5, FIORINO 1.6, FIORINO 2.0, MAREA 1.2, MAREA 1.4I 16V, MAREA 1.6 16V BIPOWER, MAREA 1.6I 16V, PALIO 1.4, PALIO 1.6 16V, PUNTO 1.1, PUNTO 1.2, PUNTO 1.4 TURBO GT, SCUDO 1.6, SIENA 1.2, SIENA 1.4, SIENA 1.6 16V, STRADA 1.0, STRADA 1.3, TEMPRA 1.6I.E, TIPO 1.6I.E, UNO MILLE **NISSAN** PRIMERA 1.6 16V

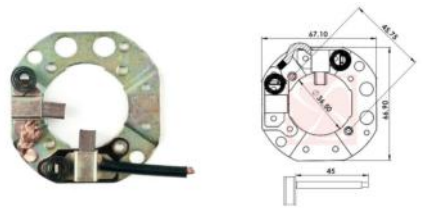


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-141-12V	MAGNETI MARELLI	E800.8/1-12	83221241,83224461,83225359,83226216

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
30002A, 30003A, 50246532, 50246648, 63101000, 63102000 63102003, 63102004, 63102007, 63102008, 63103002, 63103003, 63103007, 63103008, 63103015, 63103022, 63103031, 63192000, 63222831, 63222833, 63222836, 63222838, 63223031, 63223034;, 63222831, 63222832, 63222833, 63222836, 63222837, 63222838, 63222900, 63222901, 63222904, 63223031, 63223032, 63223033, 63223034, 63223035, 63223085, 63223103, 63223104, 63223106, 63223108, 63223182, 63223304;, 63230001, 63230003, 63293103, 83221241, 83224461, 83225359, 83226216	7,0 x 13,0 x 17,5

APLICAÇÕES

CITROËN JUMPY (DISPATCH) 1.6, JUMPY (DISPATCH) 1.6I **FIAT** 127 0.9, 500 (CINQUECENTO) 0.7, 500 (CINQUECENTO) 0.7I, 500 (CINQUECENTO) 0.9, 500 (CINQUECENTO) 0.9I.E, 600 (SEICENTO) 0.9, BRAVA 1.6 16V EL, BRAVA 1.6 16V SX, BRAVO 1.6, BRAVO 1.6 SX, DOBLÒ 1.6I.E. 16V, DOBLÒ CARGO 1.6 16V, FIORINO 0.9, FIORINO 1.6, MAREA 1.6 16V BIPOWER, MAREA 1.6I 16V, MAREA WEEKEND 1.6 16V, MULTIPLA 1.6 16V, PALIO 1.4, PALIO 1.6 16V, PUNTO 1.4 TURBO GT, SCUDO 1.6, SIENA 1.4, SIENA 1.6 16V, STILO 1.6 16V, STRADA, TEMPRA 1.6I.E, TIPO 1.6I.E, UNO 0.9 **SEAT** FURA 0.9, IBIZA 0.9, MARBELLA 0.8, MARBELLA 0.9, TERRA 0.9 **TOYOTA** 18R



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-202-12V	MAGNETI MARELLI	E80E	9945553,83225326

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
63101000, 63101002, 63201008, 63222889, 63222897, 63222905, E80E63101008	7,0 x 13,0 x 17,5

APLICAÇÕES

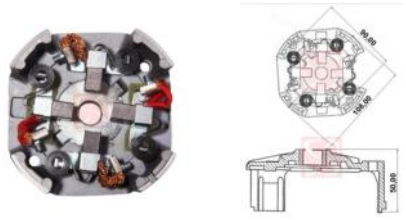
FIAT 500 (CINQUECENTO) 1.1 SPORTING, 600 (SEICENTO) 1.1, BRAVO 1.2 16V, DOBLÒ 1.2 8V, PALIO 1.0 8V 1996 ATÉ 2000, PALIO 1.0 8V FIRE, PALIO 1.0 8V FIRE ACIMA DE 2001, PALIO 1.2, PALIO 1.3 8V FIRE ACIMA DE 2001, PUNTO 1.2 16V, SIENA 1.0 8V FIRE ACIMA DE 2001, SIENA 1.2, UNO MILLE

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-246-12V	MAGNETI MARELLI		72164701,072164701000

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
4807376, 63216817, 63216818, 63216831, 63216852, 63216861, 63216884, 63216896, MT685, MT68AD, MT68LC MT68MC, MT68PB, MT68RA, MT68T	10,0 x 25,0 x 23,0

APLICAÇÕES

CASE TRATOR FARMALL 80 ANO 2009 EM DIANTE, TRATORES **DIVERSAS** MAKO **FIAT** 100-90 (1984 ATÉ 1991), 1380DT (1981 ATÉ 1984), F100DT (1986 ATÉ 1991), F120DT (1986 ATÉ 1991), F130DT (1986 ATÉ 1991), TRATOR 160-90 (1984 ATÉ 1991) **IVECO** MK 198301, MK 199112 **NEW HOLLAND** TRATOR 7530 **OPEL** ARENA 2.5D **RENAULT** MASTER I 1989-2001, MESSENGER B120.65 1996-1999, TRAFIC 2.5D

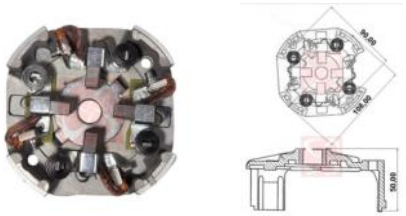


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-319-12V	MAGNETI MARELLI		1011743

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
4702248, 4807375, 63216800, 63216808, 63216814, 63216815, 63216827, 63216833, 63216851, 63216859, 63216873, 63216874, 63216876, 63216898, MT62BA, MT68A MT68AA	10,0 x 25,0 x 23,5

APLICAÇÕES

FIAT TRATORES 446, TRATORES 466, TRATORES 480 **NEW HOLLAND** TRATORES SÉRIES 3435, TRATORES SÉRIES 3935

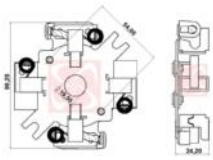


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-320-24V	MAGNETI MARELLI		72362601

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
42498212, 4699704, 4701920, 4716026, 4737754, 4737756 4807378, 4807379, 63216725010, 63216726010, 63216727010, 63216740010, 63216747010, 63216748010, 77050562, 7740560, 77445430, MT67A, MT67AB, MT67C, MT67CA, MT67DA, MT67DB	8,0 x 25,0 x 23,0

APLICAÇÕES

BENFRA TRATORES 1.25, TRATORES 10CH, TRATORES 215L, TRATORES 315, TRATORES 4.08, TRATORES 4.10, TRATORES 4.12, TRATORES 515, TRATORES 6CH, TRATORES 7.08, TRATORES 8CH, TRATORES 9.08, TRATORES 9.09CH, TRATORES 9.10CH, TRATORES 9.11, TRATORES 9.12, TRATORES 9.32, TRATORES 9531**FIAT** CAMINHÕES SÉRIES 100F13, CAMINHÕES SÉRIES 100NC, CAMINHÕES SÉRIES 110NR, CAMINHÕES SÉRIES 110NT, CAMINHÕES SÉRIES 40NC, CAMINHÕES SÉRIES 50NC, CAMINHÕES SÉRIES 55NC, CAMINHÕES SÉRIES 616, CAMINHÕES SÉRIES 616N3, CAMINHÕES SÉRIES 616N3/4, CAMINHÕES SÉRIES 75PC, CAMINHÕES SÉRIES 79-13, CAMINHÕES SÉRIES 79F13, CAMINHÕES SÉRIES 80F13, CAMINHÕES SÉRIES 80NC, CAMINHÕES SÉRIES 90F13 CAMINHÕES SÉRIES 90NC, CAMINHÕES SÉRIES 90PC, ÔNIBUS SÉRIE 314-3, TRATORES 315, TRATORES 645B (1971-1983), TRATORES 65B, TRATORES EX 215 W, TRATORES FE12R, TRATORES FE16 TRATORES FR100 (1994 >), TRATORES FR-10B (1985-1995), TRATORES FR11 (1985-1995), TRATORES FR130 (1994 >), TRATORES FR130.2, TRATORES FR17, TRATORES FR9, TRATORES FW110, TRATORES FW130, TRATORES FW90 **NEW HOLLAND** TRATORES 130C, TRATORES 150C, TRATORES LW110 (1999 >), TRATORES LW130TC, TRATORES LW130TC (1999 >), TRATORES LW90 (1999 >)

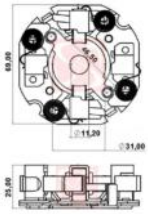


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-321-12V	MAGNETI MARELLI		72164101

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
63217104, 63217105, 63217106, 63217107, 63217108, 63217110, 63217112, 63217116, 63217117, 63217118, 63217119, 63217120, 63217121, 63217125, 63217126, 63217138, 63217147, 63217148, 63217154, 63217156, 63217158, 63217163, 63217173, 63217180, 63217182, 63217186, 63217188, 63217197, 63217401, 63217402, 63217403, 63217404, 63217407, 63217408, 63217410, 63217425, 63217433, 63217447	9,0 x 16,0 x 23,5

APLICAÇÕES

FIAT DUCATO, TRATOR 55.46 (ANO 1984 - 1988), TRATOR 55.65 (ANO 1984 - 1988), TRATOR 55.66 (ANO 1984 - 1988), TRATOR 55.90 (ANO 1984 - 1988) **IVECO** 8040 (ANO 1987 - 1999), 8041 (ANO 1990 - 2000), 8061 (ANO 1986 - 2000), 8141 (ANO 1991 - 2001), DAILY 49.10 2.4D (ANO 1900) **RENAULT** MASTER 28-35 2.4D (ANO 1980-1989), MASTER 28-35 2.5D (ANO 1980-1989), TRATORES TRAFFIC 2.5D (ANO 1980 - 2001)

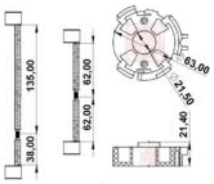


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-330-12V	MAGNETI MARELLI		83226336

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
4280001380, 63114014, 63114017, 63209501, 63222005, 63280040, 63280041	8,0 x 19,0 x 21,0

APLICAÇÕES

BMW 330 2.9D 1999-2006, 530 2.9D 1999-2004, 730 3.0D 1998-2001, MOTORES PERKINS, X5 3.0D 2001-2003 **CITROËN** JUMPER 2.8 HDI 1999-2002, JUMPER 2.8 TD 1999-2002, JUMPER 2.8L 1999-2002, JUMPER 2.8L D 1999-2002 **DIVERSAS** PERKINS **FIAT** DUCATO 10 2.5 1994-1999, DUCATO 14 2.5 1994-1998, DUCATO 18 2.5 1994-1998, DUCATO 2.5 COM MOTOR FIAT **MASSEY FERGUSON** TRATOR 6270 (1999 >), TRATOR 6280 (1999 >), TRATOR 6290 (1999 >) **PEUGEOT** BOXER 2.5 1999-2002, BOXER 2.8 1999-2006

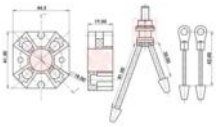


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-048-24V	MAHLE		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11216842, 24013800, AMF4685, IM0327	11,6 x 12,8 x 15,1

APLICAÇÕES

MAHLE ELEVADORES ELÉTRICO, EMPILHADEIRA ELÉTRICA, GUINCHO ELÉTRICO, GUINDASTE ELÉTRICO, PALETEIRA ELÉTRICA, PLATAFORMA HIDRÁULICA

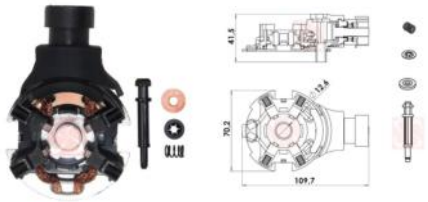


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-015-12V	MERCURY		420888995

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
18-5610, 4886540.M030SM, 50.66015.1, 50.66015.3, 50.66015T, 50.66015T1, 5392, 5736, 66T8180004, 66T-81800-04-00, 915027, MOT3004, RS41040, S2041M, S2041M-OE, SM48865	10,5 x 8,0 x 13,0

APLICAÇÕES

API MARINE JET SKI **ARCO** JET SKI **MALLORY** 915027 **MARINER** MOTOR DE POPA 25-300HP **MERCURY** MOTOR DE POPA 25-300HP **MERCURY MARINE** JET SKI **REMY SMALL** RS41040 **SEA-DOO** JET SKI **SIERRA MARINE** 18-5610 **SPIDER MARINE** 5736 **UNITED TECHNOLOGIES** MOTOR DE POPA 25-300HP **YAMAHA** MOTOR DE POPA 25-300HP

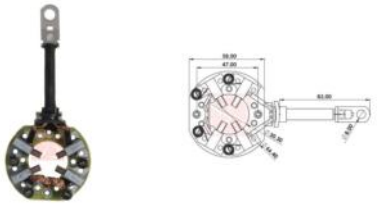


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-033-12V	MITSUBA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
SM74012, SM74018	4,7 x 12,0 x 11,5

APLICAÇÕES

HONDA CRV 2012 EM DIANTE, HRV 2016, NEW CITY 2015 EM DIANTE, NEW CIVIC 2012 EM DIANTE, NEW FIT 2015 EM DIANTE

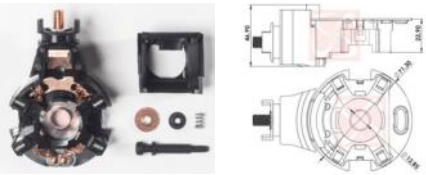


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-199-12V	MITSUBA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
31200-P30-902, SM402-13, SM402-13N, SM442, SM442-01 SM442-02, SM442-07, SM442-08, SM442-09, SM442-10, SM442-11, SM442-13, SM442-22, SM442-25, SM442-39, SM442-42	5,0 x 17,0 x 16,0

APLICAÇÕES

HONDA ACCORD 2.3 (1998 > 2002), ACCORD 3.0I V6 (1998 > 2002), CIVIC 1.6 (1993 >1997), HR-V 1.6 16V (1999 >), ODYSSEY 2.3 (1998 > 1999) **ISUZU** OASIS 2.3L (1998 >1999)

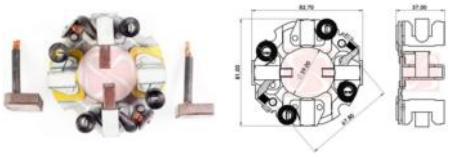


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-216-12V	MITSUBA	PMGR1,6KW	04312-PSA-305,31210-PSA-J51,1210RRAA52, 31210PHM004,31210PSAJ52,31210PSAJ53, 31210PSAJ54,31210RNAA52,31210RRAA51

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1200PPAA01, 1200PPAA02, 1200PPAA03, 1200PPAA51, 17844, 17870, 17959, 31200PPA505, 31200RAAA51, 31200RAAA61, 31200RAAARAA43, 31200RAAARAA51, 31200RAAARM, SM71002, SM61202, SM612022W, SM61205, SM61206, SM612063M, SM61207, SM61209, SM61210, SM71001, SM71003, SM71004, SM7102, SM710217816	4,7 x 12,0 x 11,5

APLICAÇÕES

ACURA TSX 2.4L **HONDA** ACCORD 2.4L, ACCORD VII 2.0, ACCORD VII 2.0 4X4, ACCORD VII 2.4I, CIVIC EX ANO 2007 ATÉ 2013;, CIVIC LX 2007 ATÉ 2013 CIVIC CR-V 2.4L, CIVIC SI ANO 2007 ATÉ 2013;, CIVIC VII 2.0 TYPE-R, CIVIC VIII 1.3, CIVIC VIII 1.8, CR-V II 2.4I, CR-Z 1.3, ELEMENT 2.4L EX;, ELEMENT 2.4L LX;, INSIGHT 1.0, INSIGHT 1.3

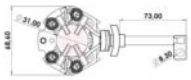


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-001-24V	MITSUBISHI		0011513914,0011516814,A0011513914, A0011516814

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0061511501, 0061516901, 0071510801, 11586, 5010306631 5010480432, A0061511501, A0061516901, A0071510801, M009T80071, M009T80072, M009T80471, M009T80472, M009T80473, M009T80571, M009T80671, M009T80672, M009T80771, M009T80971, M009T83071, M009T83671, M009T83771, M9T80472, M9T83671, ME049315	8,0 x 30,0 x 23,0

APLICAÇÕES

OBSERVAÇÕES Motores de arranque Zenshin 11586 **MERCEDES-BENZ (CAMINHÕES)** ACTROS 1831, ACTROS 1835, ACTROS 1840, ACTROS 1843, ACTROS 1848, ACTROS 1853, ACTROS 1857, ACTROS 2031, ACTROS 2035, ACTROS 2040, ACTROS 2053, ACTROS 2531, ACTROS 2535, ACTROS 2540, ACTROS 2543, ACTROS 2548, ACTROS 2553, ACTROS 2557, ACTROS 2631, ACTROS 2635, ACTROS 2640, ACTROS 2643, ACTROS 2648, ACTROS 2653, ACTROS 2657, ACTROS 3235, ACTROS 3240, ACTROS 3243, ACTROS 3331, ACTROS 3335, ACTROS 3340, ACTROS 3343, ACTROS 3348, ACTROS 3353, ACTROS 3357, ACTROS 4140, ACTROS 4143, ACTROS 4148, AXOR **MERCEDES-BENZ (ÔNIBUS)** O580 (TRAVEGO) **VOLVO** ESCAVADEIRA HIDRÁULICA 360, ESCAVADEIRA HIDRÁULICA 460, ESCAVADEIRA HIDRÁULICA 700

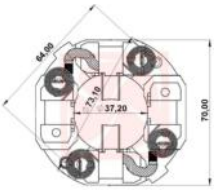


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-035-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
12673600, 695085118, BZ163492937817MC	4,5 x 18,0 x 17,5

APLICAÇÕES

CHEVROLET-GM CRUZE 1.4 TURBO 2017 START STOP, TRACKER 1.4 TURBO 2017 START STOP

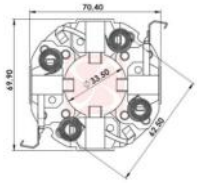


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-049-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
4D30, OSGR	8,0 x 18,0 x 18,0

APLICAÇÕES

TRATOR LS



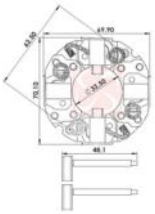
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-142-12V	MITSUBISHI	OSGR/PLGR	M649X20471,ME701467,M649T20471, MD618967

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
233001P115, 233001P175, 233005X00B, 2330060U15, 233006P010, 3610042250, 90572010009504, M002T84071 M002T84071ZT, M002T84171, M002T84171ZT, M002T84271 M002T84371, M002T84471, M002T84571, M002T84671, M002T84771, M002T85071, M002T85271, M002T85371, M002T85671, M002T85672, M002T85771, M002T85871, M002T87071, M002T87072ZT, M002T87171, M002T87171ZT M002T87271, M002T87271ZT, M002T87371, M002T87471 M002T87671, M002T87771, M002T87971, M002T88071, M002T88171, M002T88271, M002T88372, M002T88471, M002T88473, M002T88671, M002T88771ZA, M002T88971 M002TS0471, M002TS0571, M002TS0575, M002TS0671, M002TS0672, M008T70071, M008T70171, M008T70175, M008T70371, M008T70471, M008T70471A, M008T70472, M008T71371, M008T71371ZE, M008T71471, M008T71471ZE, M008T71571, M008T75071, M008T75071A M008T75073, M008T75073A, M008T75074, M008T75171, M008T75271, M008T75371, M008T75671, M008T75871, M008T75971, M008T76071, M008T76072, M008T76072ZE M2T84071, M2T84071ZT, M2T84171, M2T84171ZT, M2T84271, M2T84371, M2T84471, M2T84571, M2T84671, M2T84771, M2T85071, M2T85271, M2T85371, M2T85671, M2T85672, M2T85771, M2T85871, M2T87071, M2T87071ZT M2T87072ZT, M2T87171, M2T87171ZT, M2T87271, M2T87271ZT, M2T87371, M2T87471, M2T87671, M2T87771 M2T87971, M2T88071, M2T88171, M2T88271, M2T88372, M2T88471, M2T88473, M2T88671, M2T88971, M2TS0471, M2TS0571, M2TS0575, M2TS0671, M8T70071, M8T70171 M8T70175, M8T70371, M8T70471, M8T70471A, M8T70472 M8T71371, M8T71371ZE, M8T71471, M8T71471ZE, M8T71571, M8T75071, M8T75071A, M8T75073, M8T75073A M8T75074, M8T75171, M8T75271, M8T75371, M8T75671, M8T75871, M8T75971, M8T76071, M8T76072, M8T76072ZE MD312857, MD312858, MD314167, MD315547, MD315548 MD331137, MD344182, MD344183, MD348221, ME201650 ME201650A, ME202970, ME204424, ME204424A, ME204425, ME204425B, MG120413	7,0 x 12,0 x 16,0

APLICAÇÕES

BOBCAT MÁQUINAS DIVERSAS **CHEVROLET GM** S10 2.8 SPRINT C/ MOTOR MWM **CHRYSLER** VOYAGER 2.5 CRD, VOYAGER 2.8 CRD, VOYAGER 2.8 CRDI **CITROËN** JUMPER 2.5 DIESEL, JUMPER 2.5 TD, JUMPER 2.5 TDI **DIVERSAS** AUDI, BOBCAT, CITROËN, CLARK, DODGE, FORD, GM, HYUNDAI, MAZDA, MITSUBISHI, MITSUBISHIOSGR/PLGR-AUDI, NISSAN, OPEL, PLYMOUTH, TOYOTA, VAUXHALL **DODGE** CARAVAN 2.8 CRD, GRAND CARAVAN 2.8 CRD **FORD** RANGER 2.5 DIESEL, RANGER 2.5 TD 4X4 **HONDA** ACCORD 2.2 DTDI, CIVIC 2.2 CTDI, CR-V 2.2 CTDI, FR-V 2.2I CTDI **HYUNDAI** GALLOPER 2.5 DIESEL INTERCOOLER, H1 2.5 CRDI, H1 2.5 TD **HYUNDAI (CAMINHÕES)** H100 2.5 DIESEL, H100 2.5 TD, HR **JEEP** CHEROKEE 2.8 CRD **KIA** PREGIO 2.5 TCI **KIA (CAMINHÕES)** BONGO K2500 2.5 TCI **MAZDA** 323 2.0 DIESEL, 323 2.0 TD, 626 2.0 DIESEL, 626 2.0 TD, B2500 2.5 DIESEL, B2500 2.5 TD, MP-V 2.5 TD, PREMACY 2.0 TD **MITSUBISHI**

COLT 1.8 DIESEL, GALANT 2.0 TD, GALANT 2.3 TD, L200 2.5 DI-D, L200 2.5 DIESEL, L200 2.5 TD 4WD, L300 2.5 DIESEL, L300 2.5 TD 4WD, LANCER 1.8 DIESEL, PAJERO 2.3 TD, PAJERO 2.5 TD, PAJERO 2.8 TD, PAJERO 3.2 DI-D, SPACE GEAR 2.5 TD, SPACE RUNNER 2.0 TD GLX, SPACE WAGON 1.8 TD, SPACE WAGON 2.0 TD **NISSAN** ALMERA 2.2 DCI, ALMERA 2.2 DIESEL, ALMERA TINO 2.2 DIESEL FRONTIER 2.5 DCI, NAVARA (FRONTIER) 2.5 DCI, PATHFINDER 2.5 DCI **OPEL** MOVANO 2.5 DIESEL, MOVANO 2.8 TDI **PEUGEOT** 605 2.5 TD, BOXER 2.4 TDI, BOXER 2.5 DIESEL, BOXER 2.5 TDI **RENAULT** MASTER 2.5 DIESEL, MASTER 2.8 DIESEL, MASTER 2.8 DTI **SUZUKI** ALTO 1.0, BALENO 1.6I 16V, BALENO 1.8 GT, BALENO 1.8I 16V, BALENO 1.9 TD, GRAND VITARA 2.0 HDI, SWIFT 1.0, SWIFT 1.3, SWIFT 1.3 GTI, SWIFT 1.3 GXI, SWIFT 1.6, SWIFT 1.6I, WAGON R+ 1.3 4WD **VAUXHALL** MOVANO 2.5 DIESEL, MOVANO 2.8 DTI, MOVANO 2.8 TDI

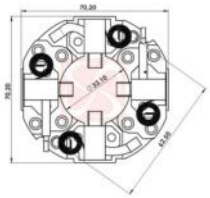


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-143-24V	MITSUBISHI	OSGR/PLGR	M649X20771,ME701495

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
M002T80772, M002T87571, M002T87871, M002TS5071, M008T80071, M008T80071A, M008T80071B, M008T80171 M008T80371, M008T80372, M008T80373, M008T80374, M008T80471, M008T80471A, M008T80472, M008T80472A M008T80571, M008T80571A, M008T80772, M008T81071, M008T81071A, M008T85071, M008T85071A, M008T85071B M008T85271, M008T85271B, M008T85471, M008T85571, M008T85671, M2T80772, M2T87571, M2T87871, M2TS5071 M649X20771, M8T80071, M8T80071A, M8T80071B, M8T80171, M8T80371, M8T80372, M8T80373, M8T80374, M8T80471, M8T80471A, M8T80472, M8T80472A, M8T80571 M8T80571A, M8T80772, M8T81071, M8T81071A, M8T85071 M8T85071A, M8T85071B, M8T85271, M8T85271B, M8T85471, M8T85571, M8T85671, ME012994, ME012995, ME013008, ME014418, ME701495	7,0 x 12,0 x 16,0

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **DIVERSAS** BOBCAT, CLARK, ONAN, TORO, TOYOTA **ISUZU** MOTOR 4JB1PA **KOBELCO** ESCAVADEIRA SK200, ESCAVADEIRA SK210, ESCAVADEIRA SK60, ESCAVADEIRA SK70 **MITSUBISHI** CAMINHÕES CANTER 60 3.9 TD, CAMINHÕES CANTER 75 3.9 TD, CAMINHÕES FIGHTER FK71D

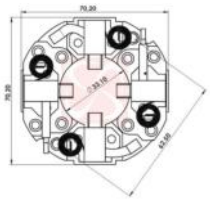


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-144-12V	MITSUBISHI	OSGR/PLGR	M649T05071,M648X28271,ME700127

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
36100-42011, DSL36100-4400, DSL3610044000, DSL3610044010, DSL361004A000, DSL361004A010, M002T54172, M002T54271, M002T54371, M002T56182, M002T65271, M2T4172, M2T54172, M2T54271, M2T54371 M2T54372, M2T54572, M2T55971, M2T56071, M2T56171, M2T56181, M2T56182, M2T56271, M2T56272, M2T56471, M2T56472, M2T56971, M2T57271, M2T61071, M2T61171, M2T61371, M2T61471, M2T61771, M2T65271, M2T65971, MD164975, MG120413, MG122565, TM000A23601	6,8 x 18,0 x 18,0

APLICAÇÕES

DIVERSAS ACURA, CASE, DEDGE, MAZDA, YALE **FIAT** TORO **HYUNDAI** GALLOPER 2.5 TD, H1 2.5 CRDI, H1 2.5 DIESEL, H1 2.5 TD, PORTER 2.5 CRDI, STAREX 2.5 CRDI, STAREX 2.5 TD **HYUNDAI (CAMINHÕES)** H100 2.5 DIESEL, HR **KIA** SORENTO 2.5 CRDI **KUBOTA** MOTORES FRIGORÍFICOS **MITSUBISHI** COLT 1.8 DIESEL, COLT 2.0 DIESEL, EMPILHADEIRA FD20, GALANT 1.8 TD, GALANT 2.0 TD, GALANT 2.3 TD, L 300 TURBO, L200 2.5 DIESEL, L200 2.5 TD, L300 2.3 DIESEL, L300 2.5 DIESEL, L300 2.5 TD, LANCER 2.0 DIESEL, PAJERO 2.3 TD, PAJERO 2.5 TD, SPACE RUNNER 2.0 TD GLX, SPACE WAGON 1.8 TD, SPACE WAGON 2.0 TD **NISSAN** FRONTIER 3.2 (1999)

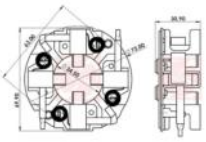


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-145-24V	MITSUBISHI	OSGR/PLGR	M649T05072,ME700140

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
M002T65271, M002T65272, M002T66272, M002T67871, M002T67881, M2T65271, M2T65272, M2T66272, M2T67871 M2T67881, ME017035, ME017085	7,0 x 18,0 x 18,5

APLICAÇÕES

DIVERSAS CASE, YALE **KUBOTA** MOTOR FRIGORIFICO **MITSUBISHI** CAMINHÃO, CANTER 211 DIESEL, CANTER 444 DIESEL, EMPILHADEIRA FD20

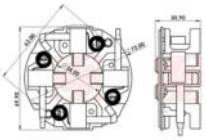


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-146-12V	MITSUBISHI	PLGR	F4TZ-11061-A,SBE-351

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
32B66-02500, F4TZ-11002B, M008T50071, M008T50072, M008T50171, M008T55171, M008T55472, M008T55473, M008T60871, M008T60872, M008T60873, M8T50071, M8T50072, M8T50171, M8T55171, M8T55471, M8T55473, ME087764	8,0 x 24,0 x 18,0

APLICAÇÕES

CATERPILLAR ESCAVADEIRA 320, ESCAVADEIRA 320B **FORD** E350 6.9 V8, F250 6.9 V8, F350 6.9 V8, PICK-UP 7.3 L DIESEL, VAN **MITSUBISHI** EMPILHADEIRA FD35D, EMPILHADEIRA FD35D2, EMPILHADEIRA FD35DS, EMPILHADEIRA FD38, EMPILHADEIRA FD40D, EMPILHADEIRA FD45D, EMPILHADEIRA FD50C, EMPILHADEIRA FD50D

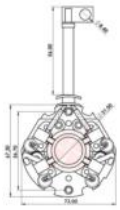


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-147-24V	MITSUBISHI	PLGR	M649X20671,ME701448,45018VLP

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
M008T60271, M008T60371, M008T60372, M008T60373, M008T60471, M008T60771, M008T60871, M008T60872, M008T60873, M008T60971, M008T60973, M008T62671ZA M8T60071, M8T60271, M8T60371, M8T60372, M8T60373, M8T60471, M8T60771, M8T60871, M8T60872, M8T60873, M8T60971, M8T60973, M8T62671, ME077796	8,0 x 24,0 x 18,0

APLICAÇÕES

CATERPILLAR EMPILHADEIRA DP40 **CONSTELLATION** 24-280 **DIVERSAS** FORD **KOBELCO** ESCAVADEIRA SK210 **MAN** CAMINHÕES 10180, CAMINHÕES 10210, CAMINHÕES 10240, CAMINHÕES 12180, CAMINHÕES 12210, CAMINHÕES 12240, CAMINHÕES 13240, CAMINHÕES 13280, CAMINHÕES 15240, CAMINHÕES 15280, CAMINHÕES 18240, CAMINHÕES 18280, CAMINHÕES 18330, CAMINHÕES 26280, CAMINHÕES 26330, CAMINHÕES 7150, CAMINHÕES 7180, CAMINHÕES 7220, CAMINHÕES 8150, CAMINHÕES 8180, CAMINHÕES 8210, CAMINHÕES 8240 **MITSUBISHI** EMPILHADEIRA FD35D, EMPILHADEIRA FD35D2, EMPILHADEIRA FD35DS, EMPILHADEIRA FD38, EMPILHADEIRA FD40D, EMPILHADEIRA FD45D, EMPILHADEIRA FD50C, EMPILHADEIRA FD50D, FUSO



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-155-12V	MITSUBISHI	PMGR	M649T01271,MD611217,M649T01272, M649T01273,M649T06871,M649T09471, MD611731,MD611918,3616935010, 2337842L70,2337842L71

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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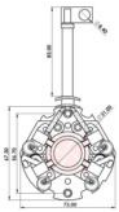
APLICAÇÕES

CATERPILLAR MÁQUINAS ESCAVADEIRA 304CR **CHRYSLER** CIRRUS 2.5, CONCORDE 2.7, GRAND VOYAGER 2.4I, SEBRING 2.5, VOYAGER 2.4I **CITROËN** C4 I 2.0 16V, C5 I 1.8, C5 III 1.8 16V, C8 2.0, XSARA PICASSO 1.8I 16V **CLARK** EMPILHADEIRA **DODGE** STRATUS 2.5 **FIAT** SCUDO 2.0 16V **FORD** MAVERICK 2.4I **HYUNDAI** COUPÉ (TIBURON/TUSCANI), ELANTRA 1.6, ELANTRA 1.8, H1 2.4, LANTRA 1.6, LANTRA 1.8, LANTRA II 2.0I 16V, SANTAMO 2.0, SONATA 1.8, SONATA 2.0, SONATA 2.4, SONATA III 3.0I V6, TRAJET 2.0 16V, TUCSON 2.0 **HYUNDAI CAMINHÕES** H100 2.4, HR **JAC** J2 1.5, J3 1.2 **JEEP** LIBERTY 2.4, WRANGLER 2.4 **KIA** CARENS II 2.0, CERATO I 2.0, COLT III 1.8 GTI, COLT IV 1.6, COLT V 1.6, JOICE 2.0, RETONA 2.0 16V, ROADSTER 1.8, SEPHIA 1.8, SORENTO 3.5 V6, SPECTRA, SPORTAGE **KOMATSU** EMPILHADEIRA **MAZDA** 323 IV 1.8 16V, 323 V 2.0 V6, 626 III 2.0, 626 IV 2.5 V6, 929 3.0 V6, MPV 3.0, MX3 1.8I V6, MX6 2.0I, MX6 2.5I V6, RX7 1.2 RX7 1.3, RX7 1.3 TURBO, XEDOS 2.0 V6, XEDOS 2.5 V6 **MITSUBISHI** COLT III 1.8 GTI, ECLIPSE 1.8, ECLIPSE 2.0, GALANT VI 2.0 16V, GALANT VI 2.4 GDI, GALLOPER 3.0I V6, L200 2.0, LANCER III 1.8 GTI, LANCER VII 2.0, OUTLANDER I 2.0, PAJERO 3.0 V6, PAJERO 3.5 V6, SPACE GEAR 2.0, SPACE GEAR 2.4, SPACE RUNNER 1.8, SPACE RUNNER 2.0, SPACE RUNNER 2.4 GDI, SPACE WAGON III 2.0 GDI, SPACE WAGON III 2.4 GDI **NISSAN** 100NX 2.0, 200SX 2.0I TURBO, PATHFINDER 3.5, PRAIRIE 2.0, PRIMERA 2.0, SUNNY II 1.6 16V, SUNNY II 1.8 GTI 16V, SUNNY III 2.0 GTI 16V, TERRANO II 2.4 **PEUGEOT** 206 2.0, 307 2.0, 307 2.0I, 308 2.0, 406 2.0 16V HPI, 406 2.2I 16V, 607 2.2 16V, 806 2.0 16V **SUBARU** IMPREZA 2.0 TURBO, LEGACY 1.8, LEGACY 2.0, LEGACY 2.0 TURBO, LEGACY 2.2, LEGACY 2.5, OUTBACK 2.5I 16V **SUZUKI** BALENO 1.3, BALENO 1.8, BALENO 1.9 TD, SWIFT 1.3, SWIFT 1.3 GTI, SWIFT 1.6, WAGON R+ 1.3 **TOYOTA** EMPILHADEIRA **YALE** EMPILHADEIRA

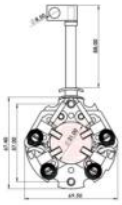


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-156-12V	MITSUBISHI		M649T01271,M649T09371,3616932510, 3617032500

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
125313, 33002709, 36100-23070, 36100-37210, 36100-3E020, M001T4283ZC, M001T70381, M001T70481, M001T70485, M001T70781, M001T71081, M001T71281, M001T71581, M001T71681, M001T71881, M001T76081, M1T4283ZC, M1T70381, M1T70481, M1T70485, M1T70781 M1T70881, M1T71081, M1T71281, M1T71581, M1T71681, M1T71881, QD1119, S11-3708110GA, TM000A37901	4,5 x 12,0 x 17,5

APLICAÇÕES

CHERY QQ **CHEVROLET-GM** OMEGA6CC3.0 **CLARK** EMPILHADEIRA C/ MOTOR MITSUBISHI CGP 25 **DIVERSAS** CATERPILLAR, CHRYSLER, DODGE, EAGLE, FORD, GEO, GM, MAZDA, MERCURY, MITSUBISHI, NISSAN, PLYMOUTH, SUBARU, SUZUKI **HYUNDAI** H100, INFINITI **JEEP** CHEROKEE, WRANGLER (97-98) **YALE** EMPILHADEIRA C/ MOTOR MITSUBISHI CGP 25



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-157-12V	MITSUBISHI	PMGR	F32Z-11061-B,SBE-342,83503671,83224461, 83225326,M649T06971,83503671,83224461, 83225326

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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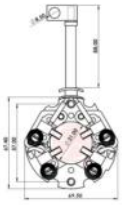
APLICAÇÕES

DIVERSAS AMC, CHEVROLET-GM, DODGE, EAGLE, FORD, GEO, INFINITI, MITSUBISHI **JEEP** CHEROKEE 4.0, GRAND CHEROKEE 4.0, WRANGLER 4.0 **MAZDA** 929 3.0 V6, MPV 3.0, RX7, XEDOS 6 2.0 V6 **SUBARU** FORESTER 2.0, FORESTER 2.5, IMPREZA 1.8, IMPREZA 2.0, LEGACY II 2.0, LEGACY II 2.2, OUTBACK 2.5I, SVX 3.3I 24V, VIVIO 0.7 **SUZUKI** BALENO 1.3, BALENO 1.8, BALENO 1.9 TD, GRAND VITARA 1.6, GRAND VITARA 2.0, SWIFT 1.3, SWIFT 1.3 GTI, SWIFT 1.6, VITARA 1.6, WAGON R+ 1.3 **TOYOTA** 2L, 3L

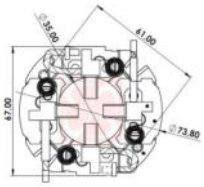


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-158-12V	MITSUBISHI	PMGR	M649T01671,F32Z-11061-B,SBE342

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
M001T74283, M001T75181, M001T75581, M001T76081, M1T74283, M1T75181, M1T75581, M1T76081	4,5 x 18,0 x 17,0

APLICAÇÕES

JEEP CHEROKEE 4.0 XJ, CHEROKEE SPORT XJ, GRAND CHEROKEE 4.0 ZJ, GRAND CHEROKEE 5.2, WRANGLER II 4.0 TJ **MAZDA** 323 2.0 V6, 626 IV 2.5 V6, 929 III 3.0 V6, MPV I 3.0, MX-3 1.8I, MX-6 2.5I V6, XEDOS 6 2.0 V6, XEDOS 9 2.0 V6



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A-159-12V	MITSUBISHI	OSGR	M649T04471,MD607420,23378N5912

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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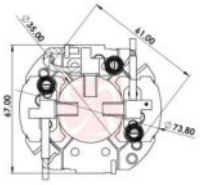
APLICAÇÕES

CATERPILLAR EMPILHADEIRA GC15, EMPILHADEIRA GC18, EMPILHADEIRA GC20, EMPILHADEIRA GC25 **DIVERSAS** BOBCAT, CLARK, DODGE, FORD, GEHL, IHC, INGERSOLL-RAND, MAZDA, MELROE, MITSUBISHI, ONAN, PERKINS, PLYMOUTH, TORO **KOMATSU** EMPILHADEIRA FG20 **KUBOTA** ESCAVADEIRA KH007 **NISSAN** EMPILHADEIRAS, FORKLIFT, MICRA 1.0, MICRA 1.2, PATROL 2.8, SERENA 1.6, VANETTE 1.6I, VANETTE 2.0 **YALE** EMPILHADEIRA C/ PARTIDA MITSUBISHI



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-160-12V	MITSUBISHI	DDOSGR	M649T04471

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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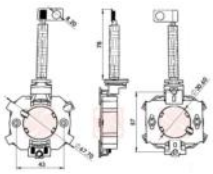
APLICAÇÕES

DIVERSAS DODEGE, EAGLE, FORD, JOHN DEERE, KIA, LINCOLN ELETRIC, MAZDA, MERCURY, ONAN, PLYMOUTH, WOODS **HYSTER** EMPILHADEIRAS COM PARTIDA (918139600) **HYUNDAI** EXCEL **KUBOTA** ESCAVADEIRA KH21 **MITSUBISHI** EMPILHADEIRAS **NISSAN** SUNNY 1.2, SUNNY 1.5, VANETTE 1.5 **SUZUKI** SJ410 1.0, VITARA **YALE** EMPILHADEIRAS COM PARTIDA (010476 DN)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-178-12V	MITSUBISHI		M321X04471,M321X04771,M321X05171, M321X07071M321X06671

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
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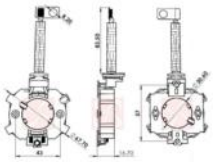
APLICAÇÕES

CHRYSLER CONCORDE **CITROEN** C5 (2001-2004), PICASSO **DIVERSAS** GM, JEEO, PAJERO MONTERO 3.5L 1999 ATÉ 2004, PLYMOUTH, SUZUKI **DODGE** INTREPID 2.7L **FORD** FUSION **HYSTER** EMPILHADEIRA FORKLIFT 1995 **MAZDA** MPV 3.0L, PROTEGE 1.6, PROTEGE 1.8, PROTEGE 2.0 **MITSUBISHI** MIRAGE 1.5, MIRAGE 1.8, PAJERO MONTERO 3.0L 2000 ATÉ 2003, PAJERO MONTERO 3.8L 2001 ATÉ 2002 **NISSAN** 200SX 1.6L 1995-98, FRONTIER 2.4L 1999 ATÉ 2001, LIFT TRUCKS NISSAN, PICK UP 2.4L, XTERRA 2.4 2000 ATÉ 2001 **SUBARU** FOREST 2.5L, IMPREZA 1997 ATÉ 2003 2.2L, IMPREZA 1997 ATÉ 2003 2.5L, OUTBACK 2.2, OUTBACK 2.5L

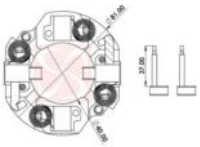


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-179-12V	MITSUBISHI	PMGR	

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
56041014, 56041641AD, M000T843814, M001T74287ZC, M001T86884ZC, M0T843814, M1T74287ZC, M1T86884ZC MD619097, MD619311	4,5 x 12,0 x 12,8

APLICAÇÕES

DIVERSAS CHRYSLER, DODGE, MAZDA, MITSUBISHI, NISSAN, SUBARU **HYSTER** EMPILHADEIRAS / FORKLIFT ANO 1995 ATÉ 2005

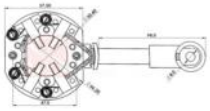


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-187-24V	MITSUBISHI		861175,M90R3001SE02,45008VLP,45004VLP

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
2509110223A, 2S0911023A, 2T0911023G, 35049VLP, 35050VLP, 35051VLP, 35052VLP, 35055VLP, 35084VLP, 35085VLP, 35086VLP, M0009T62173ZA, M009T61671, M009T62572ZA, M009T644471ZA, M009T64471ZA, M009T66371ZA, M90R3538SE, M90R3539SE, M90R3540SE M90R3543SE, M90R3544SE, M90R3545SE, M90R3547SE M90R3548SE, M9T60971, M9T61471, M9T61671, M9T62572ZA, M9T62671, M9T64371, M9T64471ZA, M9T65971, M9T66371ZA, M9T66771, M9T85371, MM0097662572ZA, P21632127	8,0 x 30,0 x 18,2

APLICAÇÕES

IVECO CAMINHÕES STRALIS **VOLKSWAGEN** CAMINHÕES CONSTELLATION 25370 **VOLVO** CAMINHÕES FH12/340, CAMINHÕES FH12/380, CAMINHÕES FH12/420, CAMINHÕES FH12/460, CAMINHÕES FH12/500, CAMINHÕES NH12

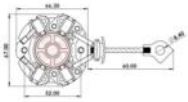


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-200-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
SM402-03, SM402202	5,0 x 17,0 x 16,0

APLICAÇÕES

DIVERSAS ACURA, ISUZU **HONDA** ACCORD 2.2L, CIVIC, ODYSSEY 2.2L, ODYSSEY 2.3L, PRELUDE 2.2L, PRELUDE 2.3L

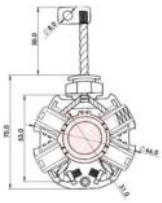


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-231-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
16-940, M2T40081, M39376, M3T32581, M3T32582, M3T32583, M3T32591, M3T32592, M3T32593, M3T41081, M3T41083, M3T42781, MC109032, MD001333, MD034120 MD066761, MD081567, MD081568, MD100431, MD162836 MD162837, MD162838, MD180239	5,0 x 10,6 x 12,5

APLICAÇÕES

DODGE 81 ATÉ 94, PLYMOUTH 1.4L, PLYMOUTH 1.5L, PLYMOUTH 1.6L, PLYMOUTH 1.8L, PLYMOUTH 2.0L, PLYMOUTH 2.4L**EAGLE** 1989 ATÉ 1996, MOTOR 1.5L, MOTOR 1.8L, MOTOR 2.4L
HYUNDAI ELANTRA, EXCEL, SITEMA **MITSUBISHI** 1983 ATÉ 1996, MOTOR 1.5L, MOTOR 1.6L, MOTOR 1.8L, MOTOR 2.0L, MOTOR 2.4L

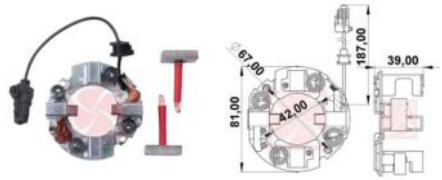


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-234-12V	MITSUBISHI	MR9943/PMGR	M0T87681,233804A00B,CY0118X70, ZJ3818X70

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
05034555AA, 12601721, 12617229, 233001HC0D, 233001HK0C, 28046F, 28046FR, 50051394, 5034555AA, 56029584AA, 56029817AA, 56044735AB, 8200584664, 9E5T-11000-AC, M00032272, M000T1627ZC, M000T20371, M000T20371ZC, M000T20472, M000T20672, M000T20771 M000T22371, M000T30771, M000T31572ZC, M000T32071 M000T32071ZC, M000T32175ZC, M000T32181ZC, M000T32271, M000T32271ZE, M000T32272, M000T32371 M000T32371ZC, M000T32771, M000T33071, M000T33371 M000T33571Z, M000T33871ZC, M000T33971, M000T34071ZC, M000T36571, M000T36571ZC, M000T36572ZC, M000T36771, M000T37371ZC, M000T376712T, M000T37671ZT, M000T45171ZC, M000TD0971, M000TD5771ZC, M032071ZC, M0T20371, M0T20371ZC, M0T20771, M0T31572ZC, M0T32071, M0T32071ZC, M0T32271, M0T32271ZE, M0T32272, M0T32371, M0T32371ZC, M0T32771, M0T33071, M0T33371 M0T33971, M0T34071ZC, M0T36771	4,5 x 12,0 x 12,0

APLICAÇÕES

CHEVROLET-GM CAPTIVA V6 **CHRYSLER** SEBRING 2.4L(144) L4 2007 ATÉ 2009 **CITROEN** BERLINGO II 1.6 VTI, C1 II 1.0 VTI, C1 II 1.2 VTI, C3 II 1.4 VTI, C3 II 1.6 VTI, C4 1.6 VTI, C4 GRAND PICASSO 1.6 16V, C4 PICASSO 1.6 16V, C5 III 1.6 VTI, DS3 1.6 VTI, DS4 1.6 **DODGE** AVENGER 2.4, AVENGER 2.4L(144) L4 2008 ATÉ 2009, CALIBER 1.8L(110) L4 2007 ATÉ 2009, CALIBER 2.0L(122) L4 2007 ATÉ 2009, CALIBER 2.4L(144) L4 2007 ATÉ 2009, JOURNEY 2.4L(144) L4 2009 **FIAT** 500, FREEMOUNT 2.4 **FORD** FOCUS, FUSION, NEW FIESTA 2012, RANGER **HONDA** ACCORD VII 2.0, ACCORD VII 2.0 4X4, ACCORD VII 2.4I, CR-V 2.4I **JEEP** COMPASS 2.0L(122) L4 2007 ATÉ 2009, COMPASS 2.4L(144) L4 2007 ATÉ 2009, PATRIOT 2.0L(122) L4 2007 ATÉ 2009, PATRIOT 2.4L(144) L4 2007 ATÉ 2009 **MITSUBISHI** AIRTREK, COLT 1.6, COLT 2.0 2003 ATÉ 2007, LANCER 1.6, LANCER 2.0 2003 ATÉ 2007, PAJERO IO 2.0L 1999 ATÉ 2003, PAJERO TR4**NISSAN** ALTIMA 3.5, MARCH, MAXIMA 3.5, QUEST 3.5 **OPEL** AGILA 1.0, AGILA 1.2 **PEUGEOT** 207 1.6 VTI, 208 1.0 VTI, 308 LL 1.2 VTI, RCZ 1.6 16V

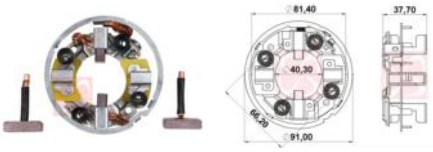


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-244-24V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11127679, 1556967, 20430564, 8500087, M0009T61171, M009T81471, M009T82179, M9T61171, M9T81471, M9T82179	8,0 x 30,0 x 18,2

APLICAÇÕES

CUMMINS MOTOR26328.3ISC, MOTOR29328.3ISC, MOTOR45328.3ISC, MOTOR50328.3ISC **VOLVO** B12, FH12, FH12/340, FH12/380, FH12/420, FH12/460, FH12/500, FM12, FM12/340, FM12/420, NH

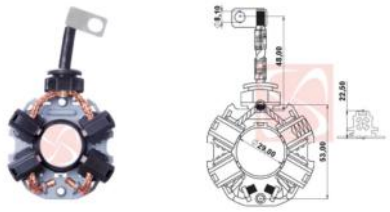


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-257-24V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
A0061511501, A0071510201, M009T20171	8,0 x 30,0 x 18,0

APLICAÇÕES

MERCEDES BENZ CAMINHÃO ATRON 1635, CAMINHÃO AXOR 2035, CAMINHÃO AXOR 2044, CAMINHÃO AXOR 2540, CAMINHÃO AXOR 2544, CAMINHÃO AXOR 2640, CAMINHÃO AXOR 2644, ÔNIBUS 0500

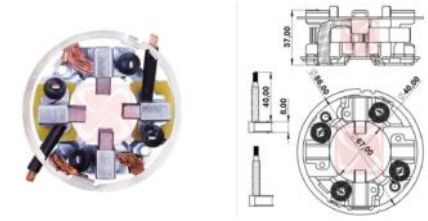


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-335-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
23300-1903R, 56029712AB, 56029712AC, M000T25171ZC M000T25172ZC, M000TD1371ZE	4,4 x 18,0 x 12,2

APLICAÇÕES

FIAT TORO **JEEP** COMPASS 2.4 **NISSAN** VERSA **RENAULT** LOGAN (2018), SANDERO (2018)

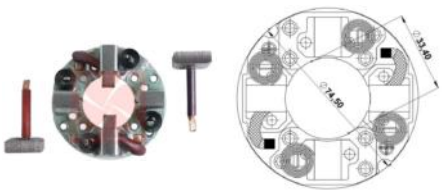


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-337-24V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
M009T66171	8,0 x 29,5 x 18,5

APLICAÇÕES

MERCEDES BENZ CAMINHÃO ATEGO 1718, CAMINHÃO ATEGO 1719, CAMINHÃO ATEGO 1725, CAMINHÃO ATEGO 1726, CAMINHÃO ATEGO 1729, CAMINHÃO ATEGO 1730, CAMINHÃO ATEGO 2426, CAMINHÃO ATEGO 2429, CAMINHÃO ATRON 1319, CAMINHÃO ATRON 2324, CAMINHÃO ATRON 2729, ÔNIBUS 0500



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-360-12V	MITSUBISHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
21423488, 3588491, 3594614, 3801296, 3803938, 3841359 874501, M008T55578, M008T55579, M008T55779	8,0 x 24,0 x 18,0

APLICAÇÕES

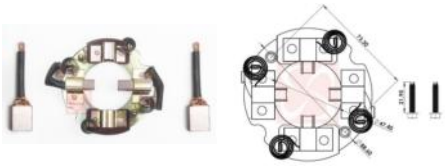
VOLVO PENTA D4-180, PENTA D4-210, PENTA D4-225, PENTA D4-240, PENTA D4-250, PENTA D4-260, PENTA D4-300, PENTA D6-280, PENTA D6-310, PENTA D6-330, PENTA D6-350, PENTA D6-370, PENTA D6-435(2010->)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-053-24V	NIKKO		02234006,0230007170,0230007171, 3776620200,3776620201

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0230003150, 0230003151, 0230003152, 0230003153, 0230003160, 0230003170, 0230003180, 0230003240, 0230003270, 0230003280, 13488, 18084, 185206, 6008134530, 6008134531, 6008134532, 6008134533, 6D105 6D125, LE13050173, PC300, PC400, SD6125	8,9 x 29,9 x 22,0

APLICAÇÕES

KOMATSU ESCAVADEIRA PC 400, ESCAVADEIRA PC300, ESTEIRA D50 6D125, ESTEIRA D53P 6D125, ESTEIRA D53S 6D125, ESTEIRA D58 6D125, ESTEIRA D58E 6D125, ESTEIRA D58P 6D125, ESTEIRA D60 6D125, ESTEIRA D60A 6D125, ESTEIRA D60E 6D125, ESTEIRA D60P 6D125, ESTEIRA D60S 6D125, ESTEIRA D63E 6D125, ESTEIRA D65 6D125, ESTEIRA D65A 6D125, ESTEIRA D65P 6D125 ESTEIRA D66S 6D110, ESTEIRA D70LE 6D125, ESTEIRA D75 6D125, ESTEIRA D75A 6D125, ESTEIRA D75S 6D125, ESTEIRA D83E 6D125, ESTEIRA: D50A 6D125, ESTEIRA: D53 6D125, ESTEIRA: D53A 6D125, GERADOR EG300B 6D140, GERADOR EG300BS 6D140, GERADOR EG400B 6D140, GERADOR EG400BS 6D140, MOTONIVELADORTA GD600R 6D105, MOTOR GRADERS GD625A 6D105, MOTOR GRADERS GD705A 6D125

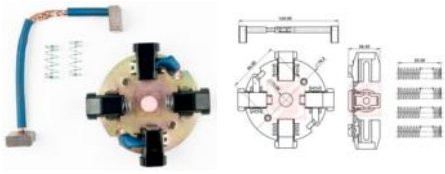


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-255-12V	PRESTOLITE - LUCAS INDIEL / MARELLI		54245374,35258268

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
26211, 26227, 26234, 26246, 26265, 26273, 26274, 26284, 26290, 26291, 26294, 26295, 26297, 26298, 26304, 26305, 26312, 26316, 26316D, 26317, 26318, 26323, 26329, 26336 26337, 26341, 26342, 26343, 26344, 26345, 26349, 26351, 26352, 26355, 26357, 26358, 26359, 26360, 26361, 26363, 26365, 26366, 26367, 26369, 26374, 26376, 26378, 26379, 26382, 26384, 26386, 26388, 26398, 26402, 26403, 26404, 26407, 26408, 26409, 26410, 26411, 26414, 26416, 26420, 26421, 26423, 26427, 26428, 26429, 26430, 26431, 26433, 26434, 26435, 26436, 27501, 27508, 27512, 27533, 27539, 27540, 27541, 27543, 27553, 27554, 27556, 35258240, 35258440, 63227483, 63227501, 63227502, 63227510, 63227512, 63227518, 63227533, 63227541, 63227547, 63227553, 63227554, 63227559, 63227564, 63227565, 63227568, 63227570, 63227571, 63227572, 63227574, 63227575, 63227578, 63227582, 63227583, 63227584, 63227585, 63227591, 63227592, 63227593, 63227594, 63227596, 63227598, 63227599, 63227600, 63227601, 63227604, 63292035, 71YB11000AA, 835FX11000BB	9,0 x 20,0 x 24,0

APLICAÇÕES

FORD TRANSIT 2.4 DIESEL, TRANSIT 2.4 TDE **JCB** ESCAVADEIRA 805, ESCAVADEIRA 806, ESCAVADEIRA 806B, ESCAVADEIRA 807B **MASSEY FERGUSON** SERIE 240 2.5, SERIE 245 2.5, SERIE 255 2.5, SERIE 274 3.9, SERIE 285, SERIE 350, SERIE 354, SERIE 355, SERIE 360, SERIE 364, SERIE 3645, SERIE 365, SERIE 3655, SERIE 3680 7.4, SERIE 375, SERIE 390, SERIE 390 T, SERIE 390T, SERIE 398, SERIE 399, SERIE 4255, SERIE 4270, SERIE 6170, SERIE 6180, SERIE 8120, SERIE 8140, SERIE 8150, SERIE 8160, SERIE 8240, SERIE 8250, SERIE 8260, SERIE 8270, SERIE 8280 **VALTRA** 305, 405 505 3.3, 6000, 605 3.3, 6400, 6600, 705 4.4, 805 4.4, 8100, 8400, 905



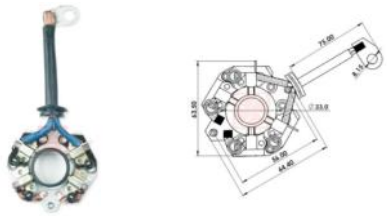
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-130-12V	PRESTOLITE - LUCAS INDIEL	M93R	35258637,35258646,K12038,K12039

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
35258270, 35258380, 35258490, 35258540, 35258580, 35258620, 35258660, 35258690, 35258710, 35258820, 35258880, 35258910, 35258940, 35258950, 35258960, 35258970, 35258980, 35259030, 35259040, 35259050, 35259130, 35259140, 35259150, 35259170, 35259180, 35259210, 35259270, 35259300, 35259310, 35259330, 35259390, 35259400, 35259430, 35259580, 35259590, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259710, 35259720, 35259750, 35259760, 35259870, 35259880, 35259890, 35259900, 35260828, 35260940, 35260950, 35261020, 35261070, 35261120, 35261155, 35261175, 35261305, 35261355, 35261360, 35261425, 35261760, 35261860, 35262580, 35262710	8,0 x 19,0 x 18,0

APLICAÇÕES

AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, PICK-UP D20, PICK-UP S10 C/ MOTOR MAXION HS, SILVERADO C/ MOTOR MWM **CUMMINS** MOTORES SÉRIE 6BT DIANTEIRO, SÉRIE B6, SÉRIE BT5.9L **DODGE** D1000 **FIAT** DUCATO C/ MOTOR 1.9 DIESEL, DUCATO C/ MOTOR 2.5 DIESEL, DUCATO C/ MOTOR 2.8 DIESEL **FORD** CARGO 1416, CARGO 1716, CARGO 1722, F 1000

F 14000 C/ MWM, PICK-UP F 100, PICK-UP F 1000, RANGER **IVECO CAMINHÕES** DAILY C/ MOTOR TURBO DIESEL **JOHN DEERE** TRATORES **LAND ROVER** DEFENDER, DISCOVERY 4CC 2.5 **MASSEY FERGUSON** TRATOR C/ MOTOR 4 CIL **MAXION** MOTORES **MERCEDES-BENZ** 180D KOMBI ESPANHOLA, CAMINHÃO, ÔNIBUS, SPRINTER C/ MOTOR MAXION HS **PERKINS** MOTOR 3.152, MOTOR 4.236, MOTOR 6.354, MOTORE 4.203 **PEUGEOT** 504, 505 C/ MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15-160

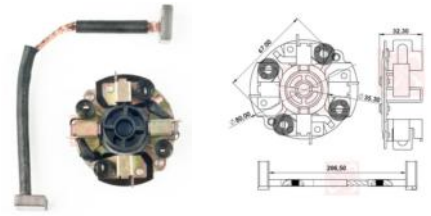


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-135-12V	PRESTOLITE - LUCAS INDIEL	M74R/M74DD	352.58.566

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
35258349, 35258400, 35258430, 35258460, 35258510, 35258560, 35258600, 35258720, 35258730, 35258740, 35258750, 35258780, 35258790, 35258850, 35258860, 35258890, 35259060, 35259220, 35259860, 35261250, 35261260, 35261295, 35261420, 35261570, 35261810, 35261840, 35261860, 35261890, 35263380, 3708100A, QDY1203	4,5 x 14,0 x 17,0

APLICAÇÕES

AGRALE TRATOR 4230, TRATOR 4230.4 **CHEVROLET-GM** CORSA 1.4, CORSA 1.6, CORSA COMBO 1.4, CORSA COMBO 1.6, PICK-UP C20, SILVERADO C/ MOTOR 6 CIL. GASOLINA **CITROËN** BERLINGO 1.8 **FIAT** 128 SUPEREUROPA, 147 BRIO, 147 SPR, 147 SPT, DUNA 1.4, DUNA 1.6, DUNA 1300, DUNA 1500, FIORINO 1.4, FIORINO 1.6, PICH-UP 1.6, PICK-UP 1.4, REGATTA 85 S 1300, REGATTA 85 S 1500, REGATTA SC 1300, REGATTA WEEKEND 1300, REGATTA WEEKEND 1500, SPAZIO 1300, SPAZIO 1500, TIPO 1.4, TIPO 1.6, UNO 1.4, UNO 1.6 **FORD** ESCORT 1.8 ZETEC 1997, ESCORT 2.0 ZETEC, FIESTA 1.4 COM E SEM AR, FIESTA 1300, FOCUS 1.8 ZETEC, MONDEO 1.8, MONDEO 2.0 ZETEC **LIFAN** X60 1.8L COM MOTOR LFB479Q **NISSAN** FRONTIER, XTERRA **PEUGEOT** 205, 306, 405 **RENAULT** CLIO 1.4, CLIO 1.6, CLIO 1.9 DIESEL, MÉGANE 2.0, R11 1.4, R11 1.6, R19 1.6, R19 1.7, R19 1.8, R9 1.4, R9 1.6 **VOLKSWAGEN** GOL 1.000 BRASIL, GOL 1.6, GOL 1.8, GOL 2.0 COM AR, SAVEIRO CHT 1.6

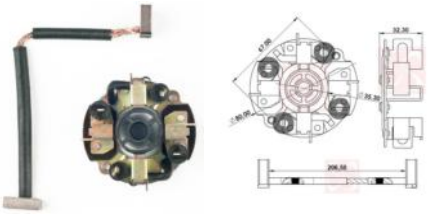


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-195-24V	PRESTOLITE - LUCAS INDIEL	M100R	K-01266

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
35259240, 35259440, 35259460, 35259770, 35259780, 35261000, 35261130, 35261185, 35261395, 35261740, 35261770, 35261900, 35262010, 35262020, 35262130	8,0 x 25,0 x 21,0

APLICAÇÕES

AGRALE MARRUÁ **CUMMINS** MOTOR B ELETRÔNICO 5.9, MOTOR C 6CT 8.3, MOTOR C 6CTA 8.3 **IVECO** MWM X10 226 SERIES **MERCEDES-BENZ (ÔNIBUS)** O371, OF1214, OF1215, OF1315 OF1418, OH1316, OH1318, OH1320 **MWM** 4CC, 6CC **VOLKSWAGEN (CAMINHÕES)** 17250 E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, 26250 E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, TITAN TRACTOR **VOLVO (CAMINHÕES)** VM17 COM MOTOR MWM, VM23 COM MOTOR MWM

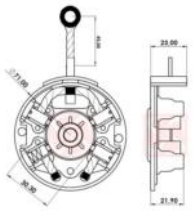


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-196-12V	PRESTOLITE - LUCAS INDIEL	M100R	35262079,K-01236

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
352.59.200, 352.59.260, 352.59.290, 352.59.450, 352.59.500 352.59.510, 352.59.520, 352.59.530, 352.59.550, 352.59.730 352.59.810, 352.59.820, 352.59.830, 352.59.840, 352.60.830 352.60.840, 352.60.900, 352.60.910, 352.61.050, 352.61.160	8,0 x 25,0 x 21,0

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **CUMMINS** MOTOR B 5.9, MOTOR C 8.3, MOTOR ISB02 5.8 **DIVERSAS** CATERPILLAR, CHRYSLER, FREIGHTLINER, GRADALL, INTERNATIONAL, NAVISTAR **DODGE** RAM 2.500 CUMMINS 6CC 5.9L **FORD** CAMINHÕES CARGO 1622 C/ MOTOR CUMMINS, CAMINHÕES CARGO 2422 C/ MOTOR CUMMINS, CAMINHÕES CARGO 2425 C/ MOTOR CUMMINS, CAMINHÕES CARGO 2425 MIXER C/ MOTOR CUMMINS, CAMINHÕES CARGO 2630 C/ MOTOR CUMMINS **JOHN DEERE** COLHEITADEIRA 1550, TRATOR 1420, TRATOR 2140, TRATOR 2330, TRATOR 2420, TRATOR 2530, TRATOR 2730, TRATOR 2850, TRATOR 3140, TRATOR 3350, TRATOR 3420, TRATOR 3530, TRATOR 3540, TRATOR 3550, TRATOR 4420, TRATOR 4530, TRATOR 5320N, TRATOR 5410, TRATOR 5520N, TRATOR 5600, TRATOR 5700, TRATOR 627, TRATOR 6300, TRATOR 6600, TRATOR 6605, TRATOR 727, TRATOR 7505, TRATOR 7820, TRATOR DE ESTEIRAS 570, TRATOR DE ESTEIRAS 570A **NEW HOLLAND** TRATOR TM135, TRATOR TM135 E, TRATOR TM150, TRATOR TM150 E, TRATOR TM165, TRATOR TM180, TRATOR TS100, TRATOR TS110, TRATOR TS120 **VALMET** TRATORES **VALTRA** TRATOR 1280, TRATOR 1580, TRATOR 1780, TRATOR 685 C, TRATOR 785 C, TRATOR BH140, TRATOR BH160, TRATOR BH180, TRATOR BL77, TRATOR BL88, TRATOR BM100, TRATOR BM110, TRATOR BM120 **VOLKSWAGEN** CAMINHÕES 17220 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 17310 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 18310 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 23220 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 23310 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 26220 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 26260 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES 26310 8.3 C/ MOTOR CUMMINS 6CTAA, CAMINHÕES TITAN TRACTOR

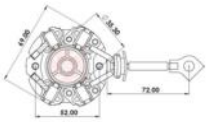


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-006-12V	VALEO	0,9KW/FS10B/1, 2KW	501401,501700

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
11195912, 1195411, 1195912;, 1195921, 1195922, 1196228 1196230, 18G36547CAF, 233000799R, 3610023171, 3610023061, 3610023071, 361002E120, 361003E100, 3S6511000BA, 7S5511000AA, 7S5511000AB, BU2TA, CN1511000B2, CN1511000CA, FS10B1, FS10B2, FS10B3, FS10B4, FS14B2, XS6U11000AC, XS6U11000AD	5,0 x 12,0 x 11,6

APLICAÇÕES

OBSERVAÇÕES Design evoluído para agregar também as aplicações do porta-escova A-348-12V **FORD** COURIER, ECOSPORT, ESCORT, FIESTA, FOCUS, KA, NOVOKA **HYUNDAI** I30, SANTAFÉ2.7, TUCSON2.0L **NISSAN** LIVINA(1999-2010), MARCH1.0 **RENAULT** CLIO1.016V, CLIO1.08V, KANGOO1.0, LOGAN1.016V, LOGAN1.08V, SANDERO1.016V, SANDERO1.08V

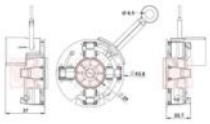


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-010-12V	VALEO		691870,S5001205143,3617022800,3617022805 361702B100,361702B110

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1195239, 1204960, 1201952, 1250303, 1250616, 36100-03101, 361002B020, 361002B030, 36100-2B030, 361002B100, 361002B100B, 361002B102, 361002B110, 600718, S0001195239	5,0 x 10,6 x 12,5

APLICAÇÕES

HYUNDAI ACCENT 1.6, ELANTRA 1.6, HB20 1.6, HB201.0(2016-2018), HB201.3(2016-2018), I20 1.4, I30 1.4, I30 1.6, I40 1.6 GDI, IX20 1.6, IX35 1.6, VELOSTER 1.6 GDI **KIA** CARENS 1.6I, CEE´D 1.4, PICANTO1.0(2011-2018), RIO 1.4, RONDO, SOUL 1.6I, SPORTAGE 1.6 GDI, VENGA 1.4 CVVT, VENGA 1.6 CVVT



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-024-12V	VALEO		501702

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
02M911021J, 02T911021E, 495104, 495107, TSC10R6, TSC10R7	4,4 x 11,9 x 13,0

APLICAÇÕES

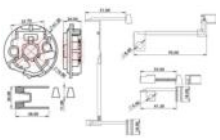
AUDI A3, A4 **VOLKSWAGEN** CROSS UP 1.6, CROSSFOX 1.6, FOX 1.0, FOX 1.6, GOL 1.6, GOLF 1.4, KOMBI 1.4, PARATI 1.0, PARATI 1.6, POLO 1.0, POLO 1.6, SAVEIRO 1.6, SPACECROSS 1.6, SPACEFOX 1.6, UP! 1.0, VOYAGE 1.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-046-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1250300, 36100-23060	4,5 x 12,0 x 13,0

APLICAÇÕES

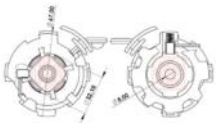
DIVERSAS KIA **HYUNDAI** I30, TUCSON 2.0



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-138-12V	VALEO	D6RA/PMGR	133647,594070,9405828898

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
432590, 432593, 432598, 432622, 432633, 432638, 433311 433320, 433321, 436060, 436090, 438127, 455551, 6011600 726001, 726011, 726048, 7700100647, BD7E10, D6RA12, D6RA133, D6RA146, D6RA16, D6RA165, D6RA18, D6RA185, D6RA20, D6RA45, D6RA5, D6RA511, D6RA6, D6RA61, D6RA65, D6RA85	8,7 x 11,0 x 18,0

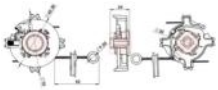
APLICAÇÕES
CHERRY TIGGO 2.0 **CHEVROLET-GM** CORSA EFI 1.0, CORSA MPFI 1.0 **CITROËN** AX 1.3, BERLINGO 1.1I, BERLINGO 1.4I, BERLINGO 1.6I, C15 1.0, C15 1.1, C15 1.1I, C15 1.4, C15 1.4I, SAXO 1.0I SAXO 1.1I, SAXO 1.4I, SAXO 1.6I, XANTIA 2.0I, XM 3.0I V6, XM 3.0I V6 24V, XSARA 1.4I, XSARA 1.6I, ZX 1.1I, ZX 1.4I, ZX 1.6I, ZX 1.8I, ZX 1.9I, ZX 2.0I **PEUGEOT** 106 1.0, 106 1.0I, 106 1.1, 106 1.1I, 106 1.3I 106 1.4, 106 1.4I, 106 1.6I, 205 1.0, 205 1.0I, 205 1.1, 205 1.1I, 205 1.3, 205 1.4, 205 1.4I, 206 1.1I, 206 1.4I, 206 1.6I, 207 1.4, 207 1.6, 207 1.6 HDI 16V, 306 1.1I, 306 1.4, 306 1.4I, 306 1.6I, 306 2.0I, 309 1.1, 309 1.1I, 309 1.4, 309 1.4I, 405 1.4, 405 1.4I, 405 2.0I, 405 2.0I TURBO, 605 3.0I V6, 605 3.0I V6 24V, PARTNER 1.1I, PARTNER 1.4, PARTNER 1.4I **RENAULT** CLIO 1.2I, CLIO 1.4I, CLIO 1.6I, CLIO 1.8, CLIO 1.8I, ESPACE 2.0I



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-163-12V	VALEO	D7G11/D7G/D7GS	190097

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
438151, 438166, 438170, 438184, 458166, 458185, 458210 458231, 8200225336, 8200225338, D7G3, D7G4, D7GS9	7,0 x 13,0 x 10,8

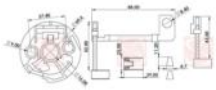
APLICAÇÕES
AUDI A4 1.8 T, A4 1.9 TDI, A4 2.4I V6, A4 2.5 TDI, A4 3.0I V6, A6 1.9 TDI **BMW** 118D 2.0, 318D 2.0, 320D 2.0, 520D 2.0, X3 2.0 D **CITROËN** BERLINGO 1.6 HDI, C1 1.4 HDI, C2 1.4 HDI, C3 1.4 HDI, C3 1.6 HDI, C3 PICASSO 1.6 HDI, C4 1.6 HDI, C4 GRAND PICASSO 1.6 HDI, C5 1.6 HDI, C5 2.2 HDI, DS3 1.4 HDI, DS4 1.6 HDI, DS5 1.6 HDI, NEMO 1.4 HDI, XSARA PICASSO 1.6 HDI **MINI** COOPER 1.6 D **NISSAN** INTERSTAR 2.5 DCI **OPEL** MOVANO 2.2 DTI, MOVANO 2.5 DTI, VIVARO 2.5 CDTI **PEUGEOT** 1007 1.4 HDI, 1007 1.6 HDI, 107 1.4 HDI, 206 1.4 HDI, 207 1.4 HDI, 207 1.6 HDI, 208 1.4 HDI, 208 1.6 HDI, 3008 1.6 HDI, 307 1.6 HDI 16V, 308 1.6 HDI, 407 1.6 HDI, 5008 1.6 HDI, 508 1.6 HDI, BIPPER 1.4 HDI, BOXER, PARTNER 1.6 HDI **RENAULT** AVANTIME 2.2 DCI, ESPACE III 2.2 DCI, LAGUNA, MASTER II 2.2 DCI, MASTER II 2.5 DCI, TRAFIC II 2.5 DCI **VAUXHALL** MOVANO **VOLKSWAGEN** PASSAT V 1.9 TDI, PASSAT V 2.0 TDI, POLO VII 1.0I, POLO VII 1.6I



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-171-12V	VALEO		187517,594351,594479,594290,A0011510914, 7701047342,6S6511000AA

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
433276, 438027, 438054, 438081, 438110, 438126, 438128 438129, 438144, 438147, 438163, 438185, 455747, 455876 455950, 455974, 458162, 458165, 458179, 726024, BD7E17 BD7E44, D7E10, D7E11, D7E15, D7E18, D7E19, D7E20, D7E22, D7E23, D7E27, D7E28, D7E38, D7E4, D7E43, D7E45, D7E47, D7E48, D7E52, D7E6, D7E70, D7E8, D7ED28, D7ED281, TS10E3, TS10E4, TS10E5	6,5 x 8,0 x 11,0

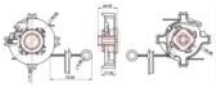
APLICAÇÕES
CHEVROLET GM ASTRA 1.8 OHC, CELTA 1.0, CELTA 1.4, CORSA 1.0 EFI OHC, CORSA 1.0 MPFI OHC, CORSA 1.0 MPFI VHC, CORSA 1.4 EFI OHC, CORSA 1.4 MPFI OHC, CORSA 1.6 EFI OHC, CORSA 1.6 MPFI OHC, CORSA 1.8 EFI OHC, CORSA 1.8 FLEXPOWER, CORSA 1.8 MPFI OHC, MERIVA 1.8 OHC **FIAT** PALIO 1.8 OHC, STILO 1.8 OHC **FORD** COURIER 1.0L, COURIER 1.6L, ECOSPORT 1.0 L COM MOTOR SUPERCHARGER, ECOSPORT 1.6L, ESCORT 1.6L, ESCORT 1.6L KA 1.0L, FIESTA 1.0L, KA1.6L, NOVO FIESTA 1.0 L COM MOTOR SUPERCHARGER **MERCEDES-BENZ** CLASSE A 140 1.4I, CLASSE A 150 1.5I, CLASSE A 160 1.6I, CLASSE A 170 1.7I, CLASSE A 200 2.0I, CLASSE B 150 1.5I, CLASSE B 170 1.7I, CLASSE B 170 2.0I, CLASSE B 180 2.0I, CLASSE B 200 2.0I **PEUGEOT** CARROS 206 1.6 16V **RENAULT** CLIO 1.4I 16V, CLIO 1.6 16V, KANGOO 1.6, KANGOO 1.6 16V, LAGUNA 1.6I 16V, LOGAN 1.4 MPI, LOGAN 1.6 MPI, MÉGANE 1.4I 16V, MÉGANE 1.6, MÉGANE 1.6 16V, R11 1.6, R12 1.6, R19 1.6, R19 1.8, R9 1.6, R9 1.7, SANDERO 1.4 MPI, SCÉNIC 1.4I 16V, SCENIC 1.6, SCÉNIC 1.6 16V, THALIA 1.4I 16V, THALIA 1.6I 16V



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-172-12V	VALEO	D6RA	181961,594072,594367,124461600,9405828888 582888

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
432623, 433311, 436062, 726000, 726011, D6RA10, D6RA572, D6RA8	9,0 x 11,0 x 14,0

APLICAÇÕES
CITROËN AX 1.0, AX 1.0I, AX 1.1, AX 1.1I, AX 1.3, AX 1.4, AX 1.4I, BERLINGO 1.1I, BERLINGO 1.4, BERLINGO 1.4I, BERLINGO 1.4I GNV, BERLINGO 1.6 HDI 16V, BERLINGO 1.6I 16V, C15 1.0, C15 1.1, C15 1.1I, C15 1.4, C15 1.4I, C2 1.1I, C2 1.4I, C2 1.4I 16V, C2 1.6I 16V, C3 1.1I, C3 1.4I, C3 1.4I 16V, C3 1.4I GNV, C3 1.6I 16V, C4 1.4I 16V, C4 1.6I 16V, C4 1.6I BIOFLEX 16V, NEMO 1.4I, SAXO 1.0I, SAXO 1.1I, SAXO 1.4I, SAXO 1.6I, SAXO 1.6I 16V, XSARA 1.4I, XSARA 1.6I, XSARA 1.6I 16V, XSARA PICASSO 1.6I, XSARA PICASSO 1.6I 16V, ZX 1.1, ZX 1.1I, ZX 1.4, ZX 1.4I **DIVERSAS** DAEWOO, DEUTZ, LOMBARDINI, MERCEDES-BENZ, OPEL, SATURN, TORO, VOLVO PENTA **FIAT** FIORINO 1.4I **JEEP** GRAND CHEROKEE 4.7L, GRAND CHEROKEE 5.2L **PEUGEOT** 1007 1.4I, 1007 1.4I 16V, 1007 1.6I 16V, 106 1.0 106 1.0I, 106 1.1, 106 1.1I, 106 1.3I, 106 1.4, 106 1.4I, 106 1.6I, 205 1.0, 205 1.0I, 205 1.1, 205 1.1I, 205 1.3, 205 1.4, 205 1.4I, 206 1.1I, 206 1.4I, 206 1.4I 16V, 206 1.6I, 206 1.6I 16V, 207 1.4 E, 207 1.4 E 16V, 207 1.4 VTI 16V, 207 1.6 E 16V, 207 1.6 VTI 16V, 306 1.1I, 306 1.4, 306 1.4I, 306 1.6I, 307 1.4I, 307 1.4I 16V, 307 1.6I, 307 1.6I 16V, 309 1.1, 309 1.1I, 309 1.4, 309 1.4I, 405 1.4, 405 1.4I, BIPPER 1.4I, PARTNER 1.1I, PARTNER 1.4, PARTNER 1.4 GNV, PARTNER 1.4I, PARTNER 1.6I 16V **VAUXHALL** ASTRA 2.0 D, CORSA 1.0 ANO 1997 ATÉ 2000, CORSA 1.2 ANO 1997 ATÉ 2000, VECTRA 2.0 D **VOLKSWAGEN** IBIZA **VOLVO** 240, 740, 760

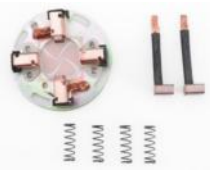
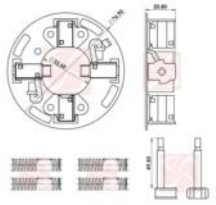


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-173-12V	VALEO	D7E	494818,555645,555550

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
438180, 864608G, D7E33, D7E34, D7E34D7E35, D7E36, D7E37, USC867838	6,5 x 8,0 x 11,0

APLICAÇÕES

FORD COURIER 1.0 COM MOTOR ZETEC ROCAM, COURIER 1.6 COM MOTOR ZETEC ROCAM, ECOSPORT 1.0 COM MOTOR ZETEC ROCAM, ECOSPORT 1.0 SUPERCHARGER COM MOTOR ZETEC ROCAM, ECOSPORT 1.6 COM MOTOR ZETEC ROCAM, ESCORT 1.6 COM MOTOR ZETEC ROCAM, FIESTA 1.0 COM MOTOR ZETEC ROCAM, FIESTA 1.0 SUPERCHARGER COM MOTOR ZETEC ROCAM FIESTA 1.6 COM MOTOR ZETEC ROCAM, KA 1.0 COM MOTOR ZETEC ROCAM, KA 1.6 COM MOTOR ZETEC ROCAM **RENAULT** CLIO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-186-12V	VALEO	D7R	A0001519755,7701204930,594115,594354, 594432,5820A4

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0041518901, 004151890180, 0041519201, 004151920180, 0041519701, 004151970180, 0051511301, 005151130180, 005151130187, 1250128, 2H0911023F, 2H0911023A, 30620657, 3610042350, 361004A010, 432630, 432637, 432644, 432666, 432672, 433323, 436051, 438011, 438053 438065, 438068, 438078, 438085, 438088, 438090, 438096 438148, 438157, 438158, 438199, 455550, 455674, 455687 455695, 455720, 455734, 455745, 455873, 455895, 455928 455943, 455948, 455954, 455957, 455959, 455972, 458118 458171, 458366, 55564374, 726004, 726006, 726008, 726014, 726031, 726033, 726045, 726052, 9646972280, D7524, D7R1, D7R11, D7R12, D7R13, D7R14, D7R15, D7R151, D7R16, D7R17, D7R18, D7R19, D7R2, D7R20, D7R22, D7R23, D7R24, D7R25, D7R26, D7R27, D7R28, D7R281, D7R3, D7R33, D7R34, D7R35, D7R36, D7R37, D7R4, D7R40, D7R41, D7R42, D7R43, D7R44, D7R46, D7R47, D7R48, D7R49, D7R5, D7R51, D7R53, D7R57, D7R64, D7R65, D7R7, D7R70, D7R8, D7RS1, D7RS129, D7RS130, D7RS131, D7RS150, D7RS29, D7RS30, D7RS31 D7RS50, D7RS7, D7RSA10, D7RSA11, D7RSA2, D7RSA4 D7RSA5, D7RSA7, D7RSA8, D8R27, DSL3610042350, DSL42350, DSL6651510101, TM000A34001, TM000A34101 TM000A36101, TS22-32, TS22E20, TS22E8, TS22ER12, TS22ER13	7,0 x 14,0 x 14,0

APLICAÇÕES

OBSERVAÇÕES Sentido de rotação: Horário **CITROËN** AX 1.4 D, AX 1.5 D, BERLINGO 1.4I, BERLINGO 1.6I 16V, C15 1.1, C15 1.3, EVASION 1.8I, EVASION 2.0I, EVASION 2.0I TURBO, SAXO 1.5 D, XANTIA 3.0I V6 24V, XM 3.0I V6 24V, XSARA 1.5 D **FIAT** BRAVA 1.9 D, BRAVO 1.9 D, DUCATO, DUNA 1.7 D, ELBA 1.7 D, FIORINO 1.7 D, FIORINO 1.7 TDS, PALIO 1.7 D, PALIO WEEKEND 1.7 TD, PUNTO 1.7 D, PUNTO 1.7 TD, REGATA 1.7 D, RITMO 1.7 D, SIENA 1.7 D, SIENA 1.7 TD, STRADA 1.7 TDS, TEMPRA 1.9 D, TIPO 1.7 D, UNO 1.4 TD, UNO 1.7 D, UNO MILLE 1.7 D **FORD** FIESTA IV 1.8 TDI, FOCUS 1.8 TDI, TRANSIT 2.5 D, TRANSIT 2.5 TD **GM** NOVA S10 **HYUNDAI** H100, HR **KIA** BONGO **MERCEDES-BENZ** 190 2.0 D, 190 2.5 D, 190 2.5 TD, CAMINHÕES SPRINTER 208 CDI, CAMINHÕES SPRINTER 208 D, CAMINHÕES SPRINTER 209 CDI, CAMINHÕES SPRINTER 210 D, CAMINHÕES SPRINTER 211 CDICAMINHÕES SPRINTER 213 CDI, CAMINHÕES SPRINTER 215 CDI, CAMINHÕES SPRINTER 216 CDI, CAMINHÕES SPRINTER 308 CDI, CAMINHÕES SPRINTER 308 D, CAMINHÕES SPRINTER 309 CDI, CAMINHÕES SPRINTER 310 D, CAMINHÕES SPRINTER 311 CDI, CAMINHÕES SPRINTER 312 D, CAMINHÕES SPRINTER 313 CDI, CAMINHÕES SPRINTER 315 CDI, CAMINHÕES SPRINTER 316 CDI, CAMINHÕES SPRINTER 408 D, CAMINHÕES SPRINTER 410 D, CAMINHÕES SPRINTER 411 CDI, CAMINHÕES SPRINTER 412 D, CAMINHÕES SPRINTER 416 CDI, CAMINHÕES SPRINTER 509 CDI, CAMINHÕES SPRINTER 511 CDI, CAMINHÕES SPRINTER 515 CDI, CAMINHÕES SPRINTER 616 CDI, CLASSE C 200 2.0 D, CLASSE C 200 2.1 CDI, CLASSE C 200 2.2 CDI, CLASSE C 220 2.1 CDI, CLASSE C 220 2.2 CDI, CLASSE C 220 2.2 D, CLASSE C 240 2.4I, CLASSE C 240 2.4I V6, CLASSE C 240 2.6I V6, CLASSE C 250 2.5 D, CLASSE C 250 2.5 TD, CLASSE C 270 2.7 CDI, CLASSE C 280 2.8I, CLASSE CL 600 5.8I, CLASSE CLC 200 2.1 CDI, CLASSE CLC 220 2.1 CDI, CLASSE CLK 220 2.2 CDI, CLASSE CLK 240 2.6I V6, CLASSE CLK 270 2.7 CDI, CLASSE CLK 320 3.2I, CLASSE CLK 320 3.2I V6 18V, CLASSE CLK 430 4.3I, CLASSE CLK 500 5.0I V8 24V, CLASSE E 200 2.0 D, CLASSE E 200 2.1 CDI, CLASSE E 220 2.1 CDI, CLASSE E 220 2.2 CDI, CLASSE E 220 2.2 D, CLASSE E 250 2.5 D, CLASSE E 250 2.5 TD, CLASSE E 270 2.7 CDI, CLASSE E 280 2.8I, CLASSE E 280 3.2 CDI, CLASSE E 290 2.9 TD, CLASSE E 300 3.0 D, CLASSE E 300 3.0 TD, CLASSE E 300 3.0I, CLASSE E 300 3.0I 4MATIC, CLASSE E 320 3.2 CDI, CLASSE G 270 2.7 CDI, CLASSE G 300 3.0 TD, CLASSE ML 320 3.2I, CLASSE ML 430 4.3I, CLASSE ML 500 5.0I V8, CLASSE S 280 2.8I, CLASSE S 300 3.0 TD, CLASSE S 320 3.2 CDI, CLASSE S 320 3.2I, CLASSE S 350 3.5 TD, CLASSE S 600 5.8I, CLASSE SL 350 3.7I V6 18V, CLASSE SL 600 5.5I V12 36V, CLASSE SLK 320 3.2I, CLASSE V 200 2.2 CDI, CLASSE V 220 2.2 CDI, CLASSE V 230 2.3 TD, CLASSE W124 200 2.0 D, CLASSE W124 250 2.5 D, CLASSE W124 250 2.5 TD, CLASSE W124 300 3.0 D, CLASSE W124 300 3.0 TD, CLASSE W126 260 2.6I, CLASSE W126 300 3.0I, CLASSE W140 300 3.5 TD, VIANO 2.0 CDI, VIANO 2.0 CDI 4MATIC, VIANO 2.2 CDIVIANO 2.2 CDI 4MATIC, VIANO 3.7I, VITO 108 2.2 CDI, VITO 110 2.2 CDI, VITO 112 2.2 CDI, VITO 2.3 D, VITO 2.3 TD, VITO 3.7I V6 24V **MITSUBISHI** KATANA, L200 **NISSAN** INTERSTAR 1.9 DCI, PRIMASTAR 1.9 DCI, PRIMASTAR 2.5 DCI **OPEL** MOVANO 1.9 DTI, MOVANO 2.2 DTI 16V, MOVANO 2.5 CDTI 16V, MOVANO 2.5 DTI 16V, VIVARO 1.9 DI, VIVARO 2.9 DTI**PEUGEOT** 106 1.5 D, 406 3.0I V6 24V, 605 3.0I V6 24V **RENAULT** AVANTIME 2.2 DCI 16V, CLIO 1.9 D, CLIO 1.9 DTI, CLIO 3.0I V6 24V, ESPACE 1.9 DTI, ESPACE 2.0I TURBO 16V, ESPACE 2.2 DT, ESPACE 3.0I V6, EXPRESS 1.6 D, EXPRESS 1.9 D, EXTRA 1.6 D, EXTRA 1.9 D KANGOO 1.9 D, KANGOO 1.9 DTI, LAGUNA 1.9 DTI, LAGUNA 2.2 DT, LAGUNA 3.0I V6, MASTER, MASTER 1.9 DCI, MASTER 1.9 DTI, MÉGANE 1.4I, MÉGANE 1.9 D, MÉGANE 1.9 DT, MÉGANE 1.9 DTI, R11 1.6 D, R19 1.7, R19 1.7I, R19 1.8I 16V, R19 1.9 D, R19 1.9 TD, R21 1.7, R21 1.9 D, R21 2.0, R9 1.6 D, SAFRANA 2.2 TD, SAFRANE 3.0I, SCÉNIC 1.9 DCI, SCÉNIC 1.9 DTI, SCÉNIC 2.0I 16V, SUPER 5 1.6 D, SUPER 5 1.7, TRAFIC 2.5 DCI 16V **SEAT** IBIZA 1.7 D, MÁLAGA 1.7 D, RONDA 1.7 D **SSANGYONG** MUSSO 2.3 D **VAUXHALL** MOVANO 1.9 DTI, MOVANO 2.2 DTI 16V, MOVANO 2.5 CDTI 16V, MOVANO 2.5 DTI 16V **VOLKSWAGEN** AMAROK 2.0 TDI **VOLVO** 340 1.6 D, 360 1.6 D, 440 1.9 TD, 460 1.9 TD, S40 1.9 TD, S40 1.9 TDCI, S40 1.9 TDI, V40 1.9 TD

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-203-12V	VALEO	D7ES	594381,555649

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
438138, 438179, 458160, D7E56, D7ES1, D7ES2, D7ES4, D7ES5, D7ES6, D7ES7, TS10E26	6,5 x 8,0 x 11,0

APLICAÇÕES

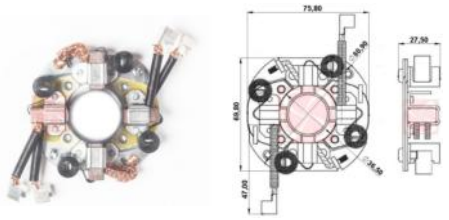
AUDI S3 1.8I TURBO 20 QUATTRO **RENAULT** SANDERO **SEAT** IBIZA 1.6I, IBIZA 1.8I, IBIZA 2.0I, LEON 1.4I 16V, LEON 1.6I 16V, LEON 1.8I 20V **SKODA** OCTAVIA 1.4I 16V, OCTAVIA 1.6I, OCTAVIA 1.8I TURBO 20V **VOLKSWAGEN** BEETLE 1.6I, BEETLE 1.8I TURBO 20V, CROSSFOX, FOX 1.0 16V, FOX 1.6 16V, GOLF IV 1.6I, PÓLO 1.0 16V, POLO 1.6 16V, POLO SEDAN 1.0 16V, POLO SEDAN 1.6 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-204-12V	VALEO	D7E/TS8E	594290,594250

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
432685, 438093, 438135, 438136, 438137, 438156, 438182 455722, 455962, 455984, 458159, 458170, 726003, 726053 D7E1, D7E16, D7E24, D7E29, D7E30, D7E31, D7E32, D7E33, D7E34, D7E35, D7E36, D7E37, D7E39, D7E40, D7E41, D7E42, TS8E2, TS8E3, TS8E4, TS8E5, TS8E6;	6,5 x 8,0 x 11,0

APLICAÇÕES

CITROËN BERLINGO 1.1I, BERLINGO 1.4I, BERLINGO 1.6I, C2 1.1I, C2 1.4I, C2 1.6I, C3 1.1I, C3 1.4I, C3 1.6I, C4 1.6I, SAXO 1.0I, SAXO 1.1I, SAXO 1.4I, SAXO 1.6I, XSARA 1.4I, XSARA 1.6I **FIAT** GRAND PUNTO 1.2I 8V, IDEA 1.2I 16V, PALIO 1.8, STILO 1.2I 16V, STILO 1.8 **FORD** NOVO FIESTA 1.0L, NOVO FIESTA 1.0L SUPERCHARGER, NOVO FIESTA 1.6L **GM** ASTRA 1.8, CELTA 1.0, CELTA 1.4, CORSA 1.0, CORSA 1.4, CORSA 1.6, MERIVA 1.8 **MERCEDES-BENZ** CLASSE A 140 1.4I, CLASSE A 150 1.5I, CLASSE A 160 1.6I, CLASSE A 170 1.7I, CLASSE A 200 2.0I, CLASSE B 150 1.5I, CLASSE B 170 1.7I, CLASSE B 180 2.0I, CLASSE B 200 2.0I **NISSAN** ALMERA 1.5I, ALMERA 1.8I, MICRA 1.0I, MICRA 1.2I, MICRA 1.4I, PRIMERA 1.6I, PRIMERA 1.8I **PEUGEOT** 106 1.0I, 106 1.1, 106 1.1I, 106 1.4 106 1.4I, 106 1.6, 106 1.6I, 206 1.0, 206 1.1I, 206 1.4, 206 1.4I, 206 1.6, 206 1.6I;, 306 1.1I, 306 1.4, 306 1.4I, 306 1.6I;, 307 1.4I, 307 1.6I, PARTNER 1.1I, PARTNER 1.4, PARTNER 1.4I, PARTNER 1.6I **RENAULT** CLIO 1.0I, CLIO 1.2I, CLIO 1.4I, CLIO 1.6;, FLUENCE 1.6I, KANGOO 1.2I, KANGOO 1.6, LAGUNA 1.6I 16V, LOGAN 1.2 16V, LOGAN 1.4 MPI, LOGAN 1.6 MPI, LOGAN 1.6I, MÉGANE 1.4I, MÉGANE 1.6I, MODUS 1.2I, MODUS 1.5 DCI, R11 1.6, R12 1.6, R19 1.6, R9 1.6, R9 1.7, SANDERO 1.4 MPI, SCÉNIC 1.4I 16V, SCENIC 1.6, SCÉNIC 1.6I 16V, THALIA 1.2I 16V, THALIA 1.4I 16V, THALIA 1.6I 16V, TWINGO 1.2I



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-207-12V	VALEO	OSGR3,1Kw/D9R/ D9RP	182318

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
184202, 432534, 432535, 432537, 432538, 432574, 432629 432639, 433215, 433229, 433305, 433306, 433310, 433327 433332, 436052, 436068, 438069, 455537, 455552, 726005 726028, D9R112, D9R116, D9R118, D9R121, D9R122, D9R142, D9R144, D9R73, D9R84, D9R89, D9R90, D9R91, D9R97, D9R99, D9RP256	9,0 x 18,0 x 22,0

APLICAÇÕES

CITROËN BX 1.6, BX 1.6I, BX 1.7 D, BX 1.7 TD, BX 1.9 D, BX 1.9I, C15 1.7 D, C15 1.9 D, C25 1.9 D, C25 2.5 D, C35 2.5 D, CX 2.2 D, CX 2.5 D, VISA 1.6I, VISA 1.8 D, XANTIA 1.8I 16V, XANTIA 1.9 D, XANTIA 2.0I TURBO, XANTIA 2.1 TD, XM 2.1 D, XM 2.1 TD TURBO, ZX 1.4I, ZX 1.6I, ZX 1.8 D, ZX 1.8I, ZX 1.9 D, ZX 1.9 TD, ZX 1.9I **DIVERSAS** CAMINHÃO SÉRIE 21-42 **LAND ROVER** DEFENDER 2.5 D, DEFENDER 2.5 TDI, DISCOVERY 2.5 TDI **PEUGEOT** 205 1.6, 205 1.6I, 205 1.7 D, 205 1.7 TD, 205 1.9 D, 205 1.9I, 305 1.6, 305 1.7 D, 305 1.9 D, 305 1.9I, 309 1.6, 309 1.6I, 309 1.7 D, 309 1.9 D, 405 1.6, 405 1.6I, 405 1.7 D, 405 1.7 TD, 405 1.9 D, 405 1.9I **RENAULT** ESPACE 2.1 DT, ESPACE 2.1 DTV, ESPACE 2.1 TD, FUEGO 2.1 TD, MASTER 2.1 D, R18 2.1 D, R18 2.1 TDR20 2.1 TD, R21 2.1 D, R21 2.1 TD, R25 2.1 D, R25 2.1 TD, R30 2.1 TD TURBO, SAFRANE 2.1 DT, TRAFIC 2.1 D **SUZUKI** SAMURAI 1.9 D, SAMURAI 1.9 TD, VITARA 1.9 D, VITARA 1.9 TD **TALBOT** HORIZON 1.1, HORIZON 1.3, HORIZON 1.7 D HORIZON 1.9 D **VOLVO** AD31 AD30A, AD31A, AOD40A, AQAD 41, AQAD DP, AQAD SP, AQAD31A, AQAD40A, AQB41, AQD41, AQDDP, AQDSP, D40, DTD40, KAD 42, KAD300A, KAD43P, KAD43PA, KAD44P, KAMD300, MARINES COM MOTOR DIESEL, MD 30, MD MS2, MD5C, MDTAMD30, MDTMD 30, PENTA EMBARCAÇÕES COM MOTOR DIESEL, TAMD 61B, TAMD31, TAMD41B, TDM 40, TDM41

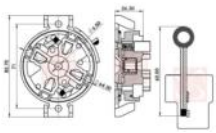
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-229-12V	VALEO	D7R	594394

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
001109250, 0031512901, 0031519801, 0041518901, 0041519201, 0041519701, 0051511301, 0051516601, 020911023R, 02A911024B, 02A911024G, 02M911023C, 0986017260, 432644, 438075, 438076, 438077, 438152, 438205, 438206, 455548, 455672, 455720, 455727, 455927 455930, 455939, 458041, 458167, 5151130180, 5151130187 550.509.102, 726018, 726019, 726026, 726029, 726034, A0031512901, A0031513501, A0031519801, A0041514401 A0041515601, D7R1, D7R11, D7R19, D7R2, D7R28, D7R3 D7R34, D7R35, D7R4, D7R43, D7R44, D7R46, D7R47, D7R48, D7R5, D7R6, D7R7, D7RS129, D7RS130, D7RS131 D7RS150, D7RS29, D7RS291, D7RS30, D7RS301, D7RS31	7,0 x 14,0 x 14,0

D7RS50, D9R149, GXE4850, ND162

APLICAÇÕES

OBSERVAÇÕES Sentido de rotação: Anti-horário **AUDI** A2 1.4 TDI, A3 1.6I, A3 1.8I 20V, A3 1.9 TDI, A3 1.9 TDI QUATTRO, S3 1.8I TURBO 20V QUATTRO, TT 3.2I V6 QUATTRO **FORD** GALAXY COM MOTOR 1.9 TDCI, GALAXY COM MOTOR 1.9 TDI, GALAXY COM MOTOR 2.3I 16V, GALAXY COM MOTOR 2.8I V6, GALAXY COM MOTOR 2.8I VR6 **MERCEDES-BENZ** CLASSE G, CLASSE S, CLASSE V CLASSE C, CLASSE CLK, CLASSE E, SPRINTER, UNIMOG, VARIO, VIANO, VITO **SEAT** ALHAMBRA COM MOTOR 1.9 TDI, AROSA COM MOTOR 1.4 TDI, CORDOBA COM MOTOR 1.9 D, CORDOBA COM MOTOR 1.9 SDI, CORDOBA COM MOTOR 1.9 TD, CORDOBA COM MOTOR 1.9 TDI, IBIZA COM MOTOR 1.9 D, IBIZA COM MOTOR 1.9 SDI, IBIZA COM MOTOR 1.9 TD, INCA COM MOTOR 1.7 SDI, INCA COM MOTOR 1.9 D, INCA COM MOTOR 1.9 SDI, LEON COM MOTOR 1.9 SDI, LEON COM MOTOR 1.9 TDI, TOLEDO COM MOTOR 1.9 D, TOLEDO COM MOTOR 1.9 SDI, TOLEDO COM MOTOR 1.9 TD, TOLEDO COM MOTOR 1.9 TDI, TOLEDO COM MOTOR 2.3I VR5 20V **SKODA** FABIA COM MOTOR 1.4 TDI, FABIA COM MOTOR 1.9 SDI, FABIA COM MOTOR 1.9 TDI, OCTAVIA COM MOTOR 1.9 D, OCTAVIA COM MOTOR 1.9 SDI, OCTAVIA COM MOTOR 1.9 TDI, OCTAVIA COM MOTOR 1.9 TDI 4X4 **VOLKSWAGEN** BEETLE COM MOTOR 1.9 TDI, BORA COM MOTOR 1.9 SDI, BORA COM MOTOR 1.9 TDI, BORA COM MOTOR 1.9 TDI 4MOTION, BORA COM MOTOR 2.3I V5 20V, BORA COM MOTOR 2.3I V5 20V 4MOTION, GOLF COM MOTOR 1.5 D, GOLF COM MOTOR 1.6 D, GOLF COM MOTOR 1.6 TD, GOLF II COM MOTOR 1.6 D, GOLF II COM MOTOR 1.6 TD, GOLF II COM MOTOR 1.9 TDI, GOLF III COM MOTOR 1.9 D, GOLF III COM MOTOR 1.9 TD, GOLF III COM MOTOR 1.9 TDI, GOLF III COM MOTOR 2.8 VR6, GOLF III COM MOTOR 2.9I VR6, GOLF IV COM MOTOR 1.9 SDI, GOLF IV COM MOTOR 1.9 TDI, GOLF IV COM MOTOR 1.9 TDI 4MOTION, GOLF IV COM MOTOR 2.3I VR5 20V, GOLF IV COM MOTOR 2.3I VR5 20V 4MOTION, GOLF V COM MOTOR 1.9 TDI, JETTA COM MOTOR 1.5, JETTA COM MOTOR 1.6 D, JETTA COM MOTOR 1.6 TD, JETTA COM MOTOR 1.7, JETTA II COM MOTOR 1.6 D, JETTA II COM MOTOR 1.6 TD, PASSAT III COM MOTOR 1.9 D, PASSAT III COM MOTOR 1.9 TD, PASSAT III COM MOTOR 2.8I V6, PASSAT III COM MOTOR 2.8I VR6, PASSAT IV COM MOTOR 1.9 TD, PASSAT IV COM MOTOR 1.9 TDI, PASSAT IV COM MOTOR 2.8I VR6, PASSAT IV COM MOTOR 2.9I VR6, PASSAT V COM MOTOR 1.9 TDI, PASSAT V COM MOTOR 1.9 TDI 4MOTION, PASSAT V COM MOTOR 2.3I VR5 20V, PASSAT V COM MOTOR 2.3I VR5 20V 4MOTION, POLO V COM MOTOR 1.9 SDI, POLO V COM MOTOR 1.9 TDI, POLO VI COM MOTOR 1.9 SDI, POLO VI COM MOTOR 1.9 TDI, POLO VII COM MOTOR 1.9 TDI, TRANSPORTER COM MOTOR 2.4 D, TRANSPORTER COM MOTOR 2.5 TDI, TRANSPORTER COM MOTOR 2.5I, TRANSPORTER COM MOTOR 2.8I V6 24V, TRANSPORTER COM MOTOR 2.8I VR6

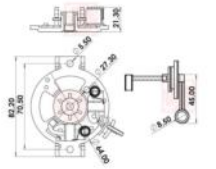


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-232-12V	VALEO	D6RA100,DGRA37 D6RA57,D6RA571 D6RA572,D7E16, D7E3,D7E5,D7E51 D7E16,D7E23,D7E5	195253,594774,93190561

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
432623, 436062, 438079, 438093, 438129, 438211, 455748 455949, 458375, 9618725080, 9648644680, AC713850M, D6G1, D6G3, D6G32, D6G321, D6G33, D6G5, D6RA100, D6RA57, D6RA571, D6RA572, DGRA37, TS12-77, TS12E10 TS12E9/B, TS12E901, TS12E902	6,5 x 10,0 x 15,0

APLICAÇÕES

CITROËN BERLINGO 1.1I, BERLINGO 1.4I, BERLINGO 1.6I, C3 1.6, C4 1.5 2005 EM DIANTE, C4 XSARA PICASSO 1.6 16V 2007 EM DIANTE **PEUGEOT** 206 1.4, 206 1.6 16V 2000 EM DIANTE, 307 1.4, 307 1.6, PARTNER 1.1I, PARTNER 1.4I, PARTNER 1.6I, RANCH 1.4I **RENAULT** CLIO 1.6 16V 2000 EM DIANTE, KANGOO 1.6 16V (K4M 2000 MOTOR)

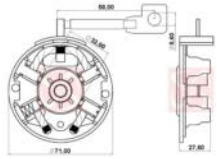


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-287-12V	VALEO		501703

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1043100GG012, 9807775680, D6GCS227, TSC10-10, TSC10-B1	6,0 x 12,0 x 13,0

APLICAÇÕES

CITROËN BERLINGO 1.4L, BERLINGO 1.6L, C3 1.4L, C3 1.6L, C4 1.6 **FORD** KA 1.0 **JAC MOTORS** J2, J3 **PEUGEOT** 206 1.4L, 206 1.6L, 207 1.4L, 207 1.6L

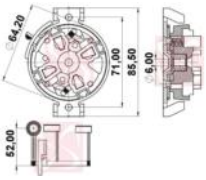


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-297-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1202355, 361004A200, 8000455, 8000534	4,5 x 20,0 x 15,0

APLICAÇÕES

HYUNDAI GRAND STAREX 2.5 CRDI, GRAND STAREX H-1 2.5 CRDI, HR100, PORTER 2.5 CRDI **KIA** BONGO K2500 2.5 TCI

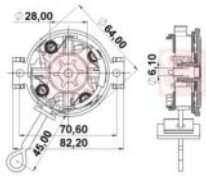


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-303-12V	VALEO	D6G/D6GS/TS12ER	594674

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
02M911023M, 02T911023S, 02T911023T, 02Z911023G, 0AM911023B, 0AM911023T, 438171, 438172, 438173, 438174, 438177, 438219, 438262, 458213, 458214, 458215 458216, 458225, 458372, 458422, D6G2, D6GS11, D6GS11M, D6GS12, D6GS12M, D6GS13, D6GS13M, D6GS14, D6GS14M, D6GS19, D6GS36, TS12ER20, TS12ER22M	6,5 x 10,0 x 15,0

APLICAÇÕES

AUDI A1 1.2 TFSI, A3 1.6, A3 1.6 FSI, A3 1.6 FSI SPORTBACK, A3 1.6 SPORTBACK, A3 2.0 FSI, A3 2.0 FSI SPORTBACK **CHEVROLET GM** SAIL **CITROËN** C3 **SEAT** ALTEA 1.6, ALTEA 2.0, LEON 1.6, LEON 1.8, LEON 2.0, TOLEDO 2.0 **SKODA** OCTAVIA 1.6, OCTAVIA 2.0 **VOLKSWAGEN** GOLF, JETTA 1.6, JETTA 2.0, PASSAT 1.6, PASSAT 2.0, POLO 1.6, TIGUAN 1.4, TIGUAN 2.0, TOURAN 1.6, TOURAN 2.0



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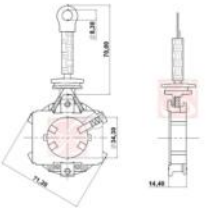
A-304-12V	VALEO	TSL12	501706

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
233008710R, 495111, TSL1210	5,0 x 12,0 x 13,5

APLICAÇÕES

FORD KA, KA + / 3 CILINDROS **MERCEDES BENZ** VITO **RENAULT** DUSTER 2.0 2011 EM DIANTE, MASTER 2, OROCH 2.0, SANDERO 2.0



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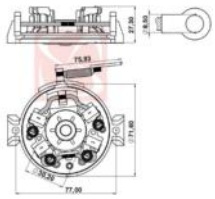
A-322-12V	VALEO		CARGO:235390KRAUF:SHM5390,SHM8390, SHM9390

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
3610022805, 600084, TM000A27301, TM000A27601, TM000A31001, TM000A37001, TM000A37201	5,0 x 10,8 x 12,5

APLICAÇÕES

HYUNDAI ACCENT, ATOS, AVANTE, CLICK, COUPE, ELANTRA, GETZ, I10, LANTRA, LAVITA, MATRIX, SANTRO, SONATA, VERNA, XD **KIA** CARSTAR, CERATO, JOICE, MORNING, PICANTO, RIO, VISTO



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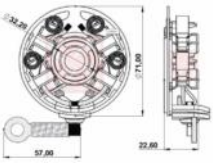
A-326-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1206997, 24585283	4,5 x 18,5 x 13,0

APLICAÇÕES

CHEVROLET - GM S10 DIESEL 2.8, TRAILBLAZER 2.8



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-350-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
JL3T-11000-CB, JL3Z-11002-B, JL3Z-11002-D, JL3Z-11002-E SA-1085	7,8 x 24,8 x 21,0

APLICAÇÕES

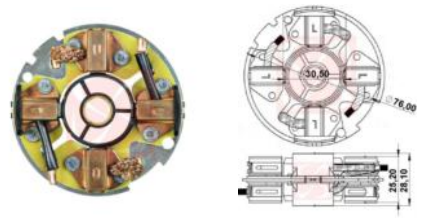
FORD F 150, KING RANCH, PLATINUM, RAPTOR, SSV, XL, XLT

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-356-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1216880, 36100-2J300	5,3 x 17,0 x 15,0

APLICAÇÕES

HYUNDAI CRETA 2.0, I30, IX35, TUCSON 2.0 **KIA** SELTOS 2.0, SOUL



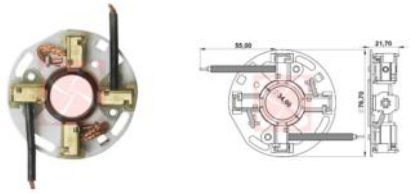
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-358-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
30659576, ESW20E18, ESW20E26, ESW20E3, ESW20ER121, ESW20ER123, ESW20ER25	7,0 x 11,0 x 13,8

APLICAÇÕES

AUDI A1 1.4 TDI (2014->), A1 1.6 TDI (2010-2015), A1 2.0 TDI (2012->), A3 1.6 TDI (2009->), A3 2.0 TDI (2009->), Q3 2.0 TDI (2011->), TT 2.0 TDI (2014->) **FORD** B-MAX 1.5 TDCI (2015-2016), FIESTA 1.6 TDCI (2012->), TOURNEO COURIER 1.6 TDCI (2014->), TRANSIT COURIER 1.6 TDCI (2014->) **MAN** TGE 2.100, TGE 2.140, TGE 2.180, TGE 3.100, TGE 3.140, TGE 3.180 **NISSAN** QASHQAI 1.6 DCI (2011->), QASHQAI 1.6 DCI 4X4 (2015->) **OPEL** VIVARO B 1.6 CDTI (2014->) **RENAULT** FLUENCE 1.6 DCI L30 (2014->), GRAND SCENIC 1.6 DCI (2011->), KADJAR 1.6 DCI (2015->), MEGANE1.6 DCI (2011->), SCENIC1.6 DCI (2011->), TALISMAN 1.6 DCI (2015->), TALISMAN GRANDTOUR 1.6 DCI (2016->), TRAFIC1.6 DCI (2014->) **SEAT** ALHAMBRA 2.0 TDI (2010->), ALTEA 1.6 TDI (2010->), ALTEA XL 1.6 TDI (2009->), ALTEA XL 2.0 TDI 4X4 (2010->), ATECA 1.6 TDI (2016->), ATECA 2.0 TDI (2016->), ATECA 2.0 TDI 4DRIVE (2016->), IBIZA 1.2 TDI (2010->), IBIZA 1.6 TDI (2009->), IBIZA 2.0 TDI (2010->), LEON 1.6 TDI (2010-2013), LEON 2.0 CUPRA (2015->), LEON 2.0 TDI (2013->), TOLEDO 1.6 TDI (2012->) **SKODA** FABIA 1.4 TDI (2014->), FABIA 1.6 TDI (2010->), KAROQ 2.0 TDI 4X4 (2017->), KODIAQ 2.0 TDI (2017->), OCTAVIA 1.6 TDI (2013->), OCTAVIA 2.0 TDI (2012->), RAPID 1.4 TDI (2015->), RAPID 1.6 TDI (2012->), ROOMSTER 1.6 TDI (2010->), SUPERB 1.6 TDI (2010-2015), SUPERB 2.0 TDI (2010-2015), YETI 1.6 TDI (2010->), YETI 2.0 TDI (2009->) **VAUXHALL** VIVARO B 1.6 CDTI (2014->) **VOLVO** S60 2.0 D2, S60 2.0 D3, S60 2.0 D4 (2013-2015), S60 2.0 D5, S60 2.0 T3, S60 2.0 T4 (2015->), S60 2.0 T5/T6

(2013->), S60 2.0 T6 (2013->), S80 2.0 D4/T5 (2013->), S80 2.0 DRIVE-E (2014->), S90 2.0 D3/D4 AWD (2016->), V40 2.0 D2/D3/T2/T3 (2015->), V40 2.0 D4 (2014->), V40 2.0 T4 AWD/T5 (2014->), V60 2.0 D2/D3/D5/T3/T4 (2015->), V60 2.0 D4 (2013-2015), V60 2.0 T5/T6 (2013->), V70 2.0 D2/T4 (2015->), V70 2.0 D4/T5 (2013->), V90 2.0 D3/D4/D5 AWD (2016->), XC40 2.0 D4 AWD (2017->), XC60 2.0 D3 (2015-2017), XC60 2.0 D4 (2013-2017), XC60 2.0 T5/T6 (2013->), XC70 2.0 D4/T5 (2013->), XC90 2.0 D4 (2015->), XC90 2.0 D5 AWD (2014->) **VW** ARTEON 2.0 TDI (2017->), CADDY 1.6 TDI (2010->), CADDY 2.0 TDI (2010->), CARAVELLE 2.0 TDI (2015->), CC 2.0 TDI (2015->), CRAFTER 2.0 TDI (2016->), GOLF ALLTRACK 1.6/2.0 TDI 4-MOTION (2014->), GOLF PLUS 1.6 TDI (2009->), GOLF SPORTSVAN 1.6 TDI (2014->), GOLF VI 1.6 TDI (2009->), GOLF VI 2.0 TDI (2008->), GOLF VII 1.6 TDI (2013->), GOLF VII 1.6 TDI 4-MOTION (2013->), GOLF VII 2.0 GTD (2013->), GOLF VII 2.0 TDI (2013->), JETTA 1.6 TDI (2011->), JETTA 2.0 TDI (2014->), MULTIVAN 2.0 TDI (2009->), MULTIVAN 2.0 TDI 4-MOTION (2009->), NEW BEETLE 1.6 TDI (2011->), NEW BEETLE 2.0 TDI (2014->), PASSAT 1.6 TDI (2009-2014), PASSAT 2.0 TDI (2008-2010), POLO 1.2 TDI BLUE MOTION (2010->), POLO 1.4 TDI (2014->), POLO 1.6 TDI (2009->), SCIROCCO 2.0 TDI (2010->), SHARAN 2.0 TDI (2010->), TIGUAN 1.6 TDI (2016->), TIGUAN 2.0 TDI (2007-2011), TIGUAN ALLSPACE 2.0 TDI (2017->), TOURAN 1.6 TDI (2010->), TOURAN 2.0 TDI (2010-2015), TRANSPORTER 2.0 TDI (2009->), TRANSPORTER 2.0 TDI (2015->)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-367-12V	VALEO		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
201095, 438189, 458237, 726890, D7G26, TS18E13, TS22E26	7,0 x 14,0 x 14,0

APLICAÇÕES

CITROEN 1007 1.4 HDI (2005->), 1007 1.6 HDI (2007->), 107 1.4 HDI (2005->), 2008 1.4 HDI (2013->), 2008 1.6 BLUEHDI 100 (2015->), 2008 1.6 BLUEHDI 120 (2014->), 2008 1.6 HDI (2013->), 206 1.4 HDI (2001-2009), 206 1.4 HDI ECO (2001->), 206 1.4 HDI ECO 70 (2008->), 206 1.6 HDI (2005->), 206 1.6 HDI 110 (2004-2007), 206 1.6 HDI FAP (2004->), 207 1.4 HDI (2006-2015), 207 1.6 16V (2006-2015), 207 1.6 HDI 110 (2009-2012), 207 SW 1.6 HDI (2009->), 208 1.4 HDI (2012->), 208 1.6 BLUEHDI 100 (2015->), 208 1.6 BLUEHDI 75 (2013->), 208 1.6 HDI (2012->), 208 1.6 HDI 75 (2013->), 270 CC 1.6 HDI (2009->), 3008 1.6 HDI (2009-2016), 3008 1.6 HDI BLUEHDI 115 (2013->), 3008 1.6 HDI BLUEHDI 120 (2016->), 301 1.6 BLUEHDI 100 (2014->), 307 1.6 HDI (2005-2009), 307 1.6 HDI 110 (2003-2008), 307 1.6 HDI 90 (2005-2008), 307 1.6 HDI FAP (2004->), 308 1.6 HDI (2007-2014), 308 2.0 HDI (2010->), 308 CC 1.6 HDI (2013->), 308 SW 1.6 HDI (2009-2014), 407 1.6 HDI FAP (2004->), 5008 1.6 HDI (2009-2013), 5008 1.6 HDI BLUEHDI 120 (2016->), 508 1.6 BLUEHDI 120 (2014->), 508 1.6 HDI (2010-2014), 508 SW 1.6 HDI (2010-2014), BERLINGO 1.5 BLUEHDI 100 (2018->), BERLINGO 1.5 BLUEHDI 130 (2018->), BERLINGO 1.5

BLUEHDI 75 (2018->), BERLINGO 1.6 BLUEHDI 100 (2014-2018), BERLINGO 1.6 BLUEHDI 100 MULTISPACE (2014->), BERLINGO 1.6 BLUEHDI 120 (2014->), BERLINGO 1.6 BLUEHDI 120 MULTISPACE (2014-

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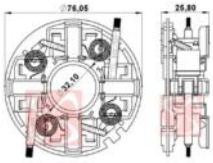
PICASSO 1.6 HDI110 (2010->), C4 PICASSO 1.6 THP 155 (2013->), C4 PICASSO 1.6 VTI 120 (2013->), C5 1.6 HDI (2004-2010), C5 1.6 HDI 110 (2008-2010), C5 1.6 HDI 115 (2012->), C5 2.2 HDI (2006-2008), C-ELYSEE 1.6 HDI 92 (2012->), DISPATCH 1.6 BLUEHDI (2016->), DISPATCH 1.6 HDI 90 16V (2007-2016), DISPATCH 2.0 HDI 120 (2007->), DISPATCH 2.0 I (2007->), DS3 1.4 HDI 70 (2010-2015), DS3 1.6 BLUEHDI (2015->), DS3 1.6 HDI (2009->), DS3 1.6 HDI 110 (2009-2015), DS3 1.6 HDI 115 (2012->), DS3 1.6 HDI 90 (2009-2015), DS4 1.6 BLUEHDI (2014->), DS4 1.6 HDI 110 (2011-2015), DS4 1.6 HDI 115 (2012-2015), DS4 1.6 HDI 90 (2011-2015), DS4 1.6 THP 200 (2011->), DS5 1.6 BLUEHDI 120 (2015->), DS5 1.6 HDI 110 (2011-2015), DS5 1.6 HDI 115 (2012-2015), JUMPY 1.6 BLUEHDI 95 (2016->), NEMO 1.4 HDI (2008-2009), PARTNER 1.6 BLUEHDI (2015->), PARTNER 1.6 BLUEHDI TEPEE (2014-2015), PARTNER 1.6 HDI (2010-2013), PARTNER 1.6 HDI BLUEHDI 110 4X4 (2015->), PARTNER 1.6 HDI TEPEE (2010-2013), PEUGEOT: EXPERT, XSARA PICASSO 1.6 HDI (2004-2011) **MINI** COOPER 1.6 D (2007->), COOPER 1.6 D CLUBMAN (2007->), ONE 1.6 D (2009->) **TOYOTA** AYGO 1.4 HDI (2005-2010)



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
A-369-12V	VALEO		

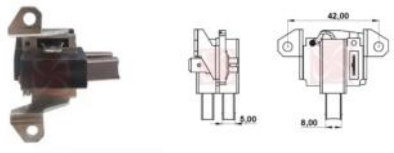
Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
8671504, 867150405, RSW22A12, RSW22R-15	7,0 x 19,8 x 16,0

APLICAÇÕES
BMW 320 2.0 I (2018-2022) **VOLKSWAGEN** AMAROK 3.0 V6 (2018->), TOUAREG 3.0 TDI

SULCARBON

PORTA-ESCOVAS

ALTERNADORES

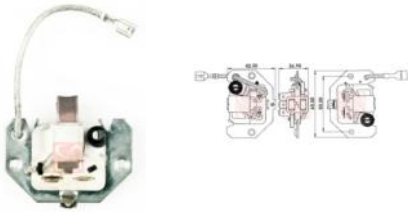


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-002-12V	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL		133179

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
0120300510, 0120300511, 0120300512, 0120300513, 0120300514, 0120300515, 0120300516, 0120300517, 0120300543, 0120300544, 0120300555, 0120400706, 0120400707	5,0 x 8,0 x 17,0

APLICAÇÕES

CLAAS DOMINATOR56, DOMINATOR66, MERCATOR50, MERCATOR60FORD, MERCATOR60MB, MERCATOR75FORD



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-201-12V	BOSCH - WAPSA	K1-55A	1124336050,1124336032

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9120080012, 9120080020, 9120080022, 9120080031, 9120080054, 9120080066, 9120080083, 9120080084, 9120080091, 9120080101, 9120080102, 9120080111, 9120080123, 9120080182, 9120080183	5,0 x 10,0 x 17,0

APLICAÇÕES

AGCO TRATORES **AGRALE DEUTZ** 1600 D, 4200, 4230, 4300, 8001, 8501 TDX, M 80, M 85, M 90, TX 1600 **ALFA ROMEO** 2300 TI **CASE** 2000, 2470, 4000, 4490, W 20 B, W 36, W18 **CBT** 1065, 1105, 2080, 2105, 8060 4X4, 8240, 8260 4X4 **KOMATSU** D 30 E, D 50 A **MASSEY FERGUSSON** SÉRIE, SÉRIE 3000, SÉRIE 4000, SÉRIE 5000, SÉRIE 6000, SÉRIE MF 1000 **MAXION** IDEAL 1175, IDEAL 750, IDEAL 9070, IDEAL 9075, IDEAL 9090, IDEAL 9150, IDEAL 9170, SÉRIE D C/ MOTOR D 229-6 **MERCEDES-BENZ** O, OF, OH, SÉRIE 10T L, SÉRIE 11TL, SÉRIE 12T L, SÉRIE 13T L, SÉRIE 14T L SÉRIE 14T LP, SÉRIE 15 T L, SÉRIE 16 T L, SÉRIE 17 T L, SÉRIE 18 T L, SÉRIE 20 T L, SÉRIE 22 T L, SÉRIE 23 T L, SÉRIE 24 T, SÉRIE 6T L, SÉRIE 8T L **MÜELLER** VIBRO RT 62 **MWM** SÉRIE D C/ MOTOR D 229-3, SÉRIE D C/ MOTOR D 229-4, SÉRIE D C/ MOTOR D 229-6, TD 229-6 **SLC** 6000, 6200, 6200 TURBO, 7000, 7200, 7700 TURBO **TOYOTA** BANDEIRANTE **VOLKSWAGEN** VARIANT 1600, VARIANT II 1600

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-202-12V	BOSCH - WAPSA		419001

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,3 x 6,3 x 12,7

APLICAÇÕES

CATERPILLAR TRATOR **CLARK** TRATOR **DODGE** POLARA **FORD** CORCEL, F 1000, F 4000, MAVERICK **MASSEY FERGUSON** TRATOR **MERCEDES-BENZ** CAMINHÃO **VALMET** TRATOR

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-204-24V	BOSCH - WAPSA		1124336057

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9120080039, 9120080055, 9120080058, 9120080062, 9120080064, 9120080067, 9120080069, 9120080073, 9120080074, 9120080075, 9120080086, 9120080088, 9120080103, 9120080104, 9120080105, 9120080106, 9120080109, 9120080119, 9120080124	5,0 x 10,0 x 17,0

APLICAÇÕES

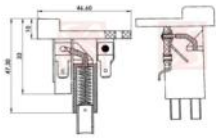
DIVERSAS SCANIA, VOLVO **FIAT (CAMINHÕES)** 130, 140, 180, 190, 210, 70, 80 **FIAT-ALLIS** TRATOR DE ESTEIRAS AD7B **MERCEDES-BENZ (CAMINHÕES)** 1924 LS A, 1932 LS **MERCEDES-BENZ (ÔNIBUS)** O370 **MWM** MOTORES DIVERSOS

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-206-12V	BOSCH - WAPSA		419008

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,3 x 6,3 x 12,7

APLICAÇÕES

FORD CAMINHÕES / TRUCKS **VOLKSWAGEN** CAMINHÕES / TRUCKS

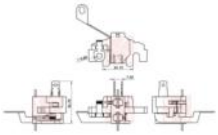


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-212-12V	BOSCH - WAPSA		9121080281

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
9120080041, 9120080061, 9120080072, 9120080090, 9120080122, F000LD0108	5,0 x 8,0 x 15,0

APLICAÇÕES

GURGEL TOCANTINS L TR **VOLKSWAGEN** BRASÍLIA 1.3 ÁLCOOL, BRASÍLIA 1.6 GASOLINA, FUSCA 1.6, FUSCA 1300, FUSCA 1500, FUSCA 1600, GOL 1.3 REFRIGERADO A AR, GOL 1.6 REFRIGERADO A AR, KOMBI 1.3, KOMBI 1.5, KOMBI 1.6, KOMBI 1.6 MI, KOMBI 1.6I, SAVEIRO 1.3 REFRIGERADO A AR, SAVEIRO 1.6 REFRIGERADO A AR, SEDAN 1600 ÁLCOOL / GASOLINE, TRANSPORTER 1600

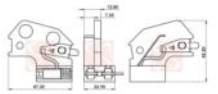


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-001-12V	DELCO-REMY	ER/EF, 10DNSERIES	1964682

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
100558, 1100567, 1100568, 1100569, 1100570, 1100571, 1100572, 1100590, 1100591, 1100600, 1100605, 1100615	8,0 x 5,0 x 12,7

APLICAÇÕES

CHEVROLET-GM C-10, C-14, D-10 1967 ATÉ 1984, OPALA 1975

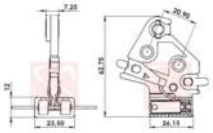


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-203-12V	DELCO-REMY		3472316,3472319

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
3472002, 3472014, 3472018, 3472020, 3472021, 3472022, 3472023, 3472024, 3472026, 3472027, 3472028, 3472032, 3472033, 3472037, 3472038, 3472042, 3472048, 3472049, 3472050, 3472051, 3472052, 3472053, 3472057, 3472058, 3472059, 3472060, 3472061, 3472062, 3472063, 3472064, 3472065, 3472066, 3472067, 3472068, 3472069, 3472070, 3472072, 3472073, 3472074, 3472075, 3472082, 3472091, 3472104, 3472105, 3472106, 3472119, 3472120, 3472121, 3472128, 3472130, 3472134, 3472135, 3472136, 3472137, 3472139, 3472142, 3472143, 3472144, 3472208, 3493604, 3493606, 3493619, 3493621, 3493635, 3493639, 3493641, 3493644, 3493704, 3493706	8,0 x 5,0 x 13,2

APLICAÇÕES

CHEVROLET-GM C10, CHEVETTE 1973 EM DIANTE, D10, OPALA 1973 EM DIANTE **FORD** MÁQUINAS DIVERSAS **MASSEY FERGUSON** MÁQUINAS DIVERSAS

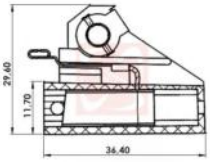


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-205-12V	DELCO-REMY		1876876,1984462,D776

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10SI, 12SI, 27SI, TYPE100EF, TYPE100IR	8,0 x 5,0 x 15,0

APLICAÇÕES

DIVERSAS MOTORES DETROIT **GM** CARAVAN, MONZA, OPALA

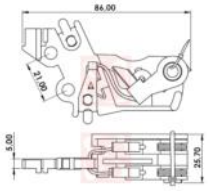


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-211-12V	DELCO-REMY		131915,1986951,1989651,10472881,10473364 10490180

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10463001, 10463002, 10463007, 10463011, 10463012, 10463013, 10463014, 10463015, 10463016, 10463017, 10463043, 10463044, 10463045, 10463097, 10463104, 10463148, 10463149, 10463172, 10463176, 10463187, 10463197, 10479806, 10479807, 10479814, 10479815, 10479816, 10479895, 10479897, 10479901, 10479902, 10479903, 10479905, 10479906, 10479909, 10479910, 10479911, 10479912, 10479913, 10479920, 10479954, 10479962, 10479963, 10479976, 10479990, 10479998, 10479999, 10480000, 10480027, 10480028, 10480035, 10480036, 10480037, 10480040, 10480068, 10480073, 10480082, 10480085, 10480087, 10480105, 10480115, 10480125, 10480134, 10480137, 10490000, 1101091, 1101109, 1101110, 1101111, 1101123, 1101124, 1101126, 1101127, 1101135, 1101136, 1101137, 1101138, 1101139, 1101140, 1101141, 1101142, 1101143, 1101149, 1101151, 1101158, 1101162, 1101167, 1101170, 1101176, 1101184, 1101196, 1101199, 1101218, 1101229, 1101231, 1101253, 1101254, 1101255, 1101259, 1101264, 1101277, 1101278, 1101291, 1101344, 1101346, 1101435, 1101461, 1101465, 1101466, 1101467, 1101483, 1101551, 1101577, 1101582, 1101583, 1101593, 1101595, 1101596, 1101599, 1101600, 1101601, 1101603, 1101606, 1101612, 1101618, 1101632, 1101633, 1101634, 1101635, 1101636, 1101637, 1101642, 1101645, 1101646, 1101647, 1101649, 1101650, 1101807, 1101810, 1101814, 1101815, 1101822, 1101832, 1101846, 1102600, 1102601, 1102602, 1102603, 1102604, 1102607, 1102615, 1102629, 1102630, 1102631, 1105612, 1105661, 1105662, 1105663, 1105664, 1105665, 1105671, 1105672, 1105678, 1105694, 1105698, 1105701, 1105710, 1105711, 1105715, 1105718, 1105720, 1105722, CS121, CS130	8,0 x 5,0 x 22,0

APLICAÇÕES

DAEWOO CIELO 1.5, ESPERO 1.8, ESPERO 2.0, NEXIA 1.5 **DIVERSAS** OPEL, VAUXHALL **FORD** BRONCO 5.8 **GM** CAMARO 2.8 V6, CAMARO 3.1 V6, CAMARO 5.0 V8, CAMARO 5.7 V8, CAPRICE 4.3 V6, CORVETTE 5.7, IMPALA 5.7, KADETT, LUMINA 3.4 V6, OPALA **PONTIAC** GRAND PRIX 2.8I V6, GRAND PRIX 3.1I V6, TEMPEST 2.0, TEMPEST 2.2

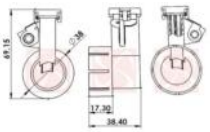


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-213-24V	DELCO-REMY		1979724,10467934

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10479924, 10479925, 10479926, 10479927, 10479929, 10479930, 1101194, 1101205, 1101439, 1101440, 1102551 1117965, 15SI, 19010105, 19010111, 19010112, 19010182, 19010195, 19010196, 19010200, 19010205, 21SI, SERIESEF SERIESIR, TYPE116	5,0 x 6,0 x 22,0

APLICAÇÕES

MERCEDES-BENZ CAMINHÃO 710, CAMINHÃO 712

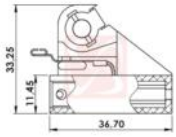


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-215-12V	DELCO-REMY		10475746

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10463651, 10479214, 10479215, 10479991, 10480017, 10480071, 10480072, 10480119, 10480167, 10480168, 10480190, 10480198, 10480214, 10480215, 10480237, 10480353, 10480485, 134208, 94860301502	4,5 x 8,0 x 22,0

APLICAÇÕES

OBSERVAÇÕES CS 130D série IR / IF **CADILLAC** ESCALADE 5.7 **DIVERSAS** BUICK, DAEWOO, OLDSMOBILE **GM** BLAZER 4.3 V6, LUMINA 3.1 V6, MONTE CARLO 3.1 V6, S10 4.3 V6 **PONTIAC** GRAND PIX 3.1 V6 **PORSCHE** CAYENNE 4.5 TURBO

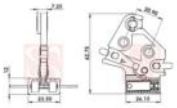


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-219-12V	DELCO-REMY		1989702

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10479809, 10479817, 10479855, 10479891, 10479895, 10479907, 10480008, 10480022, 10480121, 10480124, 10480131, 1101182, 1101250, 1101296, 1101329, 1101349 1101454, 1101518, 1101578, 1101604, 1105615, 1105616, 1105657, CS144-IFSERIES, CS144-IRSERIES, D775	8,0 x 5,0 x 22,0

APLICAÇÕES

CHEVROLET GM OMEGA 4.1 MPFI L6, SILVERADO 4.1 MPFI L6



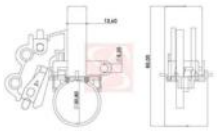
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-220-12V	DELCO-REMY	27SI/ TYPE200SERIESIR/ EF	1876873,1876876,1852002,1984462,D766,

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1100075, 1100076, 1100077, 1100082, 1100083, 1100088, 1100091, 1100092, 1100153, 1100154, 1100155, 1100156, 1100158, 1100159, 1100162, 1100163, 1100164, 1100165, 1100166, 1100167, 1100168, 1100174, 1100175, 1100176, 1100179, 1100181, 1100182, 1100189, 1100196, 1100198, 1100199, 1100200, 1100201, 1100202, 1100203, 1100204, 1100206, 1100207, 1100208, 1100209, 1100211, 1100214, 1100217, 1100218, 1100221, 1100222, 1100225, 1100226, 1100227, 1100228, 1100229, 1100230, 1100231, 1100232, 1100233, 1100234, 1100235, 1100236, 1100237, 1100238, 1100239, 1100240, 1100241, 1100242, 1100243, 1100246, 1100247, 1100249, 1100250, 1100251, 1100252, 1100253, 1100254, 1100255, 1100256, 1100257, 1100258, 1100259, 1100260, 1100261, 1100263, 1100264, 1100265, 1100268, 1100269, 1100270, 1100272, 1100273, 1100274, 1100275, 1100276, 1100280, 1100281, 1100287, 1100288, 1100289, 1100290, 1100291, 1100297, 1100298, 1100299, 1100300, 1100486, 1100487, 1100490, 1100491, 1100492, 1100493, 1100494, 1100497, 1100499, 1100542, 1100543, 1100544, 1100545, 1100546, 1100547, 1100548, 1100549, 1100550, 1100552, 1100554, 1100559, 1100560, 1100573, 1100574, 1100575, 1100576, 1100577, 1100578, 1100579, 1100580, 1100581, 1100582, 1100583, 1100584, 1100585, 1100587, 1100588, 1100589, 1100592, 1100593, 1100597, 1100936, 1101090, 1101091, 1101109, 1101134, 1101155, 1101157, 1101159, 1101178, 1101228, 1101240, 1101241, 1101243, 1101244, 1101245, 1101268, 1101279, 1101282, 1101285, 1101287, 1101298, 1101299, 1101300, 1101301, 1101303, 1101304, 1101305, 1101307, 1101308, 1101324, 1101345, 1101484, 1102359, 1102361, 1102362, 1102363, 1102367, 1102368, 1102369, 1102370, 1102375, 1102379, 1102460, 1102461, 1102465, 1102466, 1102467, 1102468, 1102471, 1102472, 1102474, 1102475, 1102476, 1102477, 1102478, 1102479, 1102480, 1102481, 1102482, 1102483, 1102484, 1102485, 1102486, 1102488, 1102491, 1102493, 1102494, 1102495, 1102496, 1102497, 1102498, 1102499, 1102500, 1102548, 1102549, 1102550, 1102847, 1102866, 1102867, 1102876, 1102896, 1102898, 1102907, 1102914, 1103147,	8,0 x 5,0 x 16,8

1103148, 1103149, 1103151, 1103152, 1103153, 1103154, 1103155, 1103156, 1103157, 1103158, 1103161, 1103162, 1103169, 1103170, 1103182, 1103186, 1103187, 1103190, 1103195, 1103196, 1103197, 1105022, 1105023, 1105025, 1105029, 1105034, 1105036, 1105041, 1105043, 1105044, 1105045, 1105047, 1105048, 1105049, 1105050, 1105058, 1105059, 1105060, 1105063, 1105067, 1105076, 1105183, 1105185, 1105193, 1105195, 1105244, 1105245, 1105348, 1105351, 1105354, 1105355, 1105425, 1105426, 1105439, 1105440, 1105441, 1105443, 1105444, 1105446, 1105447, 1105449, 1105461, 1105466, 1105470, 1105471, 1105472, 1105474, 1105475, 1105476, 1105478, 1105492, 1105493, 1105495, 1105496, 1105503, 1105506, 1105507, 1105508, 1105511, 1105516, 1105521, 1105522, 1105523, 1105541, 1105542, 1105543, 1105544, 1105545, 1105555, 1105556, 1105561, 1105564, 1105565, 1105566, 1105567, 1105572, 1105575, 1105576, 1105577, 1105580, 1105581, 1105582, 1105588, 1105590, 1105591, 1105592, 1105594, 1105597, 1105599, 1105600, 1105602, 1105603, 1105604, 1105606, 1105607, 1105608, 1105610, 1105611, 1105620, 1105621, 1105623, 1105624, 1105627, 1105628, 1105629, 1105633, 1105635, 1105647, 1105648, 1105649, 1105650, 1105651, 1105652, 1105653, 1105654, 1105691, 1105692, 1105703, 1105704, 1105705, 1105706, 1105707, 1105708

APLICAÇÕES

GM BLAZER, CAMARO, CAMINHÃO APÓS 1984, CAPRICE, CARAVAN APÓS ANO 1979, CHEVETTE APÓS ANO 1980, EL CAMINO, IMPALA, IPANEMA APÓS ANO 1991, KADETT APÓS ANO 1991, MONTE CARLO, MONZA, OPALA APÓS ANO 1979



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-229-12/24V	DELCO-REMY		10492749,10518636

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
10459190, 10459191, 10459192, 10459193, 10459205, 10459212, 10459255, 10459291, 10459318, 10459320, 10459321, 10459341, 10459605, 19020300, 19020302, 19020304, 19020305, 19020308, 19020309, 19020310, 19020314, 19020347, 19020349, 19020352, 19020375, 19020388, 19020389, 19020391, 19020399, 19020801, 19020803, 19020804, 19020807, 19020809, 19020821, 19020888, 19020889, 8600108, 8600198	8,0 x 5,5 x 40,0

APLICAÇÕES

CAMECO COLHEITADEIRA CHT 2500B, COLHEITADEIRA CHW 2500B **CUMMINS** MOTORES SÉRIE C, MOTORES SÉRIE K **MASSEY FERGUSON** COLHEITADEIRA MF34, COLHEITADEIRA MF38

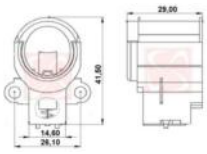
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-222-12V	DENSO	ER/IF	021620-2430,0216300560

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1210003000, 1210003100, 1210003300, 1210003310, 1210003330, 1210003340, 1210003370, 1210003380, 1210003390, 1210003400, 1210003410, 1210003440, 1210003450, 1210003452, 1210003460, 1210003470, 1210003480, 1210003510, 1210003520, 1210003521, 1210003523, 1210003530, 1210003531, 1210003600, 1210003660, 1210003670, 1210003671, 1210003800, 1210003810, 1210003820, 1210003821, 1210003846, 1210003850, 1210003851, 1210004000, 1210004010, 1210004030, 1210004040, 1210004041, 1210004050, 1210004060, 1210004070, 1210004080, 1210004090, 1210004110, 1210004120, 1210004130, 1210004150, 1210004151, 1210004160, 1210004161, 1210004170, 1210004171, 1210004210, 1210004211, 1210004220, 1210004221, 1210004231, 1210004232, 1210004233, 1210004250, 1210004251, 1210004270, 1210004280, 1210004290, 1210004291, 1210004300, 1210004320, 1210004330, 1210004331, 1210004360, 1210004391, 1210004400, 1210004450, 1210004451, 1210004460, 1210004470, 1210004480, 1210004481, 1210004490, 1210004491, 1210004520, 1210004530, 1210004550, 1210004551, 1210004560, 1210004580, 1210004590,	5,0 x 7,0 x 15,0

56007912, 56027912, TN1210004630

APLICAÇÕES

CHRYSLER CIRRUS 2.0I, CIRRUS 2.4, CIRRUS 2.5I V6, CONCORDE 2.7, GRAND CHEROKEE III 2.4, GRAND VOYAGER III 2.4, GS DAYTONA SHELBY 2.5, GS DAYTONA SHELBY 2.5I TURBO, INTREPID 2.7, LEBARON 2.2I, LEBARON 2.2I TURBO, LEBARON 2.5I, LEBARON 2.5I TURBO, LEBARON 3.0I V6, STRATUS 2.0I 16V, STRATUS 2.4I 16V, VISION 3.3I V6, VOYAGER 3.0 V6, VOYAGER III 2.4 AWD, VOYAGER III 2.4I, VOYAGER III 3.0 V6, VOYAGER III 3.3 V6 **DODGE** CARAVAN III 2.4, DAKOTA 2.5, DAKOTA 4.7 V8, DURANGO 4.7 V8, RAM 1500, RAM 2500, RAM 3500, RAM 5.0 V8, SHADOW, STRATUS 2.0 16V, STRATUS 2.4 16V **JEEP** CHEROKEE 2.4, CHEROKEE 2.5, CHEROKEE 4.0, COMANCHE 2.5, COMANCHE 4.0, GRAND CHEROKEE 4.0, GRAND CHEROKEE II 4.0, GRAND CHEROKEE II 4.7 V8 WRANGLER 2.4, WRANGLER 2.5, WRANGLER 4.0, WRANGLER II 2.5, WRANGLER II 4.0, WRANGLER TJ **PLYMOUTH** ACCLAIM, BREEZE, SUNDANCE



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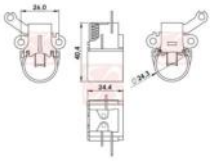
APLICAÇÕES

ALFA ROMEO ALFA 159 2.4 JTDM, BRERA 2.4 JTDM, GIULIETTA 1.4, SPIDER 2.4 JTDM **BUICK** ALLURE, ENCLAVE, LACROSSE, LESABRE, LUCERNE **CADILLHAC** SRX, STS **CHEVROLET - GM** COBALT 2.2, COBALT 2.4, EQUINOX, HHR, IMPALA, MALIBU, MONTE CARLO, TRAVERSE **CHRYSLER** SEBRING, TOWN & COUNTRY V6 3.8 L (2008-2010) **DODGE** AVENGER, CARAVAN, GRAND CARAVAN V6 3.8 L (2008-2010), STRATUS **FIAT** CROMA II 2.4 JTD **FORD** C-MAX 1.6 TDC, C-MAX 1.8 TDCI, C-MAX 2.0 TDCI, EXPEDITION, FIESTA 1.6 TDCI, FOCUS 1.6 TDCI, FOCUS 1.8 TDCI, FOCUS 2.0 TDCI, FUSION 1.6 TDCI **GMC** ACADIA **HONDA** ACCORD 2.0, ACCORD 2.0 4WD, ACCORD 2.4, ACCORD 2.4 VTEC, ACCORD 2.4I, ACCORD VII 2.2 CTDI, ACCORD VIII 2.2I DTEC, CIVIC 2.0, CIVIC VIII 2.2 CTDI, CR-V 2.0, CR-V 2.4 VTEC, CR-V 2.4I VTEC, CR-V II 2.2 CTDI, CR-V III 2.2 CTDI, FR-V 2.2 CTDI, MR-V (PILOT) 3.5 **HYUNDAI** SANTA FÉ 3.8 **JAGUAR** F-TYPE 3.0, F-TYPE 5.0, R-TYPE, S-TYPE 4.2 V8, XF 5.0, XJ8 4.2, XK 5.0, XKR 4.2 V8, XKR 5.0 **JEEP** WRANGLER V6 3.8 L (2007-2011) **LAND ROVER** DISCOVERY IV 2.7 TD, DISCOVERY IV 3.0 TD, LR4 5.0, RANGE ROVER 5.0, RANGE ROVER 5.0 SPORT **LEXUS** ES350 3.5, GS 300, GS 350, GS300 3.0, GS350 3.5, IS 250, IS 350, IS250 2.5, IS350 3.5, RS 330, RS 350, RX300, RX330, RX350 **LINCOLN** NAVIGATOR **MAZDA** 3 1.6 TD **PONTIAC** BONNEVILLE, G5, GRAND PRIX, PURSUIT, TORRENT, VIBE **SATURN** AURA, ION, OUTLOOK, VUE **SCION** TC, XD **SUZUKI** SX4 2.0 DDIS, SX4 2.0 DDIS 4X4 **TOYOTA** 4 RUNNER, 4.5, AVALON, CAMRY, CAMRY 2.4 VVT-I, CAMRY 2.5, CAMRY 3.5 V6, COROLLA, COROLLA 1.4 D-4D, COROLLA 2.0 D-4D, COROLLA 2.2 D-4D, COROLLA 2.4, FJ CRUISER HIACE 2.7, HIACE IV 2.5 D-4D, HIGHLANDER, HIGHLANDER 3.5, HIGHLANDER 3.5 V6, HILUX 2.5 (PITBULL), HILUX 2.5 D-4D, HILUX 2.7 D-4D, LAND CRUISER 3.0 D-4D, MATRIX, RAV4, RAV4 2.0 4WD, RAV4 2.0 VVT-I 4WD, RAV4 2.5, RAV4 3.5 V6, RAV4 3.5I, SIENNA, TACOMA, TUNDRA, VENZA **VOLVO** C30 1.6 DIESEL, C30 2.0 DIESEL, C70, S40, S40 1.6 DIESEL, S40 2.0 DIESEL, V50 1.6 DIESEL, V50 2.0 DIESEL



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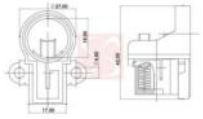
102211-3102, 373003C150, 373003E100, 373004A300	5,0 x 7,0 x 15,0

APLICAÇÕES

HYUNDAI AZERA 3.8L 2008, ENTOURAGE 3.8L 2007-2009, SANTA FÉ 2.7L 2007-2008, SANTA FÉ 3.3L 2007-2008, SONATA 3.3L 2006-2008, VERA CRUZ 3.8L 2007-2010 **KIA** SEDONA 3.8L 2006-2009, SORENTO 3.3L 2008, SORENTO 3.8L 2007-2008



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-228-12V	DENSO		M371X64871,0216202010,0216202130, 0216202180,0216202190,0216202201, 0216202220,0216202310,0216202360, 0216202630,0216202750,0216202760, 0216202870,0216210650

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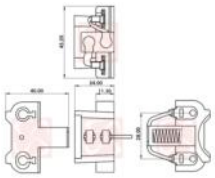
APLICAÇÕES

ACURA CSX 2.0, MDX 3.5, TSX 2.4L **ALFA ROMEO** 159 2.4 JTDM, BRERA 2.4 JTDM, SPIDER 2.4 JTDM **CITRÖEN** BERLINGO 2.0 / 4X4, C1 1.4 HDI, C2 1.4 HDI, C3 1.4 HDI, C4 2.0 16V, C5 2.2 HDI, XSARA 1.4 HDI, XSARA 1.6 HDI, XSARA 2.0 HDI, XSARA PICASSO 1.6 HDI **DIVERSAS** DAIHATSU **FIAT** CROMA 2.4 JTDM MULTIJET, ULYSSE 2.0 **FORD** C-MAX 1.6 TDCI, C-MAX 2.0 TDCI, FIESTA 1.6 TDCI, FOCUS 1.6 TDCI, FOCUS 2.0 TDCI, FUSION 1.6 TDCI **HONDA** ACCORD 2.0, ACCORD 2.0 4WD, ACCORD 2.4 VTEC, ACCORD 2.4I, ACCORD 2.4L, ACCORD 3.0, CIVIC 2.0, CR-V 2.0, CR-V 2.0 AWD, CR-V 2.4I VTEC, ODYSSEY 3.5, PILOT 3.5 **HYUNDAI** AZERA 3.3 V6, GENESIS 3.8 V6, SANTA FÉ 3.3 V6 **JAGUAR** S-TYPE 4.2 V8, SUPER V8 4.2, VANDEN PLAS 4.2, XJ 3.5, XJ 4.2, XJ R 4.2, XJ9 4.2, XK 4.2, XK R 4.2, XK3.6, XKR 4.2 **JEEP** COMMANDER 5.7, GRAND CHEROKEE 5.7, GRAND CHEROKEE 6.1 **KIA** CADENZA 3.3 V6, SEDONA 3.5 V6, SORENTO 3.5 V6 **LAND ROVER** DISCOVERY 3.0 TD, LR4 5.0, RANGE ROVER 3.0 TD SPORT 4X4, RANGE ROVER 5.0, RANGE ROVER 5.0 SPORT **LEXUS** ES 330 3.3L, GS300 3.0, GS350 3.5, IS250 2.5, IS350 3.5, RX330 3.3, RX350 3.5 V6 **MAZDA** 3 1.6 TD **PEUGEOT** 1007 1.4 HDI, 106 1.4 HDI, 206 1.4 HDI, 307 1.4 HDI, 307 2.0 16V, 307 SW 1.4 HDI, 407 2.0, 607 2.2 16V **RENAULT** MODUS 1.6 **SUZUKI** AERIO (LIANA) 1.4 DDIS, SX4 2.0 DDIS 4X4 **TOYOTA** CAMRY 3.0 DDIS, CAMRY 3.5 V6, COROLLA 1.4 D-4D DDIS, COROLLA 1.8 DDIS, COROLLA 2.0 D-4D DDIS, COROLLA 2.2 D-4D, HIACE 2.7, HIGHLANDER 3.3 DDIS, HIGHLANDER 3.6 V6, LAND CRUISER 3.0 D-4D, RAV4 2.0 VVT-I 4WD DDIS, RAV4 2.2 D-4D DDIS, RAV4 3.5 V6, YARIS 1.4 D-4D DDIS, YARIS II 1.0 VVT-I **VOLVO** C30 1.6 DIESEL, C30 2.0 DIESEL, C30 2.4 C30 2.5, C30 V50 1.6 DIESEL, S40 1.6 DIESEL



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-216-12V	FORD / MOTORCRAFT	IR/IF	F1DZ-10347-A,F1DU10260AA,F1DZ-1037-A

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1021397, 1024864, 1031134, 1032652, 1035755, 1057793, 1090424, 1104931, 1104987, 2C2U10300BB, 7308195, 93BB10300FD, 93BB10300FE, 93BB10300FF, 93BB10300FG 96BB10300BA, 96BB10300BB, 97BB10300BA, 97BB10300BB, 97BB10300BC, 97BB10300BD, F07F10300AA, F07U10300AA, F07U10300AC, F0PU10346DA, F17U10300AA, F1TZ10346C, F2TU10300AF F37U10300AA, F3UU10300AE, F3UU10300AF, F57U10300AA, F5RU10300BB, F5RU10300BC, F5UU10300BA, F67U10300BA, F6AU10300AA, F6AU10300AB, F6AU-AA-AB, F6RU10300AA, F6UU10300EA F77U10300BA, F8RU10300BA, GB320	4,0 x 7,5 x 18,0

APLICAÇÕES

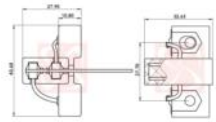
FORD BRONCO 5.8 V8, ESCORT 1.9, EXPLORER 4.0 V6, F1000, F250 5.0 V8, F250 5.8 V8, F350 5.0 V8, LINCOLN, MERCURY, MONDEO I 1.8 TD, MONDEO I 2.5 V6, MONDEO II 1.8 TD, MONDEO II 2.5 V6 RANGER 2.5, RANGER 3.0, RANGER 4.0, TAURUS, TEMPO, THUNDERBIRD, TOPAZ, TOWN CAR, TRACER

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-217-12V	FORD / MOTORCRAFT		E9PU10320AA

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
3GSERIESIF, 3GSERIESIR, E9DF10300CA, F0DF10300AA F1VU10300BB	4,0 x 7,5 x 18,5

APLICAÇÕES

FORD BRONCO 3.6, CONTINENTAL, COUGAR, ESCORT, EXPLORER, F-1000, F-250, F-350, LINCOLN, MERCURY, RANGER, SABLE, TAURUS, TEMPO, THUNDERBIRD, TOPAZ, TOWN CAR, TRACER

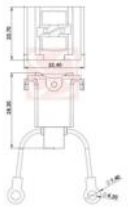


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-218-12V	FORD / MOTORCRAFT		E43Z-10320-A,GC-402

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
E43F-10300-EA, E43F-10300-PA, E43F-10300-RA, E43Z-10346-D, E53F-10300AA, E53F-10300BA, E53F-10300DA, E53F-10300EF, E53F-10300IR, E7SF10300HA, E7SF10300MA, E7ZF10300FA, E9SF10300BA	4,0 x 7,5 x 12,0

APLICAÇÕES

DIVERSAS MERCURY **FORD** BRONCO 2.6, E350, F250 5.0 V8, MUSTANG

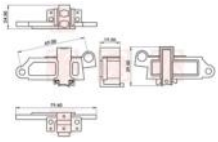


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-221-12V	FORD / MOTORCRAFT VISTEON		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1120211, 1120213, 1124015, 1131820, 1140135, 1140694, 1140696, 1145715, 1151212, 1151213, 1211891, 1229421, 1303447, 1429688, 1429689, 1464755, 1464779, 1464782, 1477856, 1477971, 1478119, 1478187, 1478608, 1479818, 1S7T10300BA, 1S7T10300BB, 1S7T10300BC, 1S7T10300BD, 1S7T10300BE, 1S7T10300CA, 1S7T10300CB, 1S7T10300CC, 1S7T10300CD, 1S7T10300CE, 1S7T10300CF, 1S7T10300DA, 1S7T10300DB 1S7T10300DC, 1S7T10300DD, 1S7T10300DE, 1S7T10300DF, 2S6T10300AA, 2S6T10300AB, 2S6T10300AC 2S6T10300FA, 2S6T10300FB, 2S6T10300FC, 2T1U10300AB 2T1U10300AC, 2T1U10300AD, 2T1U10300AE, 2T1U10300AF, 2T1U10300AG, 2T1U10300AH, 2T1U10300AK, 2T1U10300AL, 2T1U10300BB, 2T1U10300BC, 2T1U10300BD, 2T1U10300BE, 2T1U10300CA, 2T1U10300CB, 2T1U10300CC, 2T1U10300CD, 2T1U10300CE, 2T1U10300CF, 3S6T10300AA, 3S6T10300AC, 3S6T10300AD, 4362258, 4371000, 4371001, 4374447, 4374448, 4531025, RC28SERIES, YC1U10300EA	4,5 x 8,3 x 16,3

APLICAÇÕES

FORD COURIER, ECOSPORT, FIESTAV1.3, FIESTAV1.4TDCI, FOCUS1.8TDDI, FUSION1.4TDCI, KA1.3I, KA1.6I, MONDEOIII1.8, MONDEOIII2.0, MONDEOIII2.0TDCI, MONDEOIII2.2TDCI, MONDEOIII2.5TDCI TOURNEO1.8TDCI, TRANSIT1.8TDCI **JAGUAR** X-TYPE2.0D, X-TYPE2.2D;

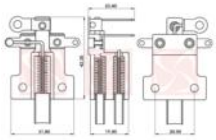


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-207-12V	PRESTOLITE - LUCAS INDIEL		35214128

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
12V80>90A, 35213950, 35213955, 35214085, 35214095, 35214190, 35214445	5,0 x 8,0 x 26,0

APLICAÇÕES

PEUGEOT 306 DIESEL, 405 **RENAULT** CLIO 1.6, CLIO 1.9 DIESEL, R19 1.6 **VOLKSWAGEN** GOL II 1.0, GOL II 1.8 AP, GOLF (MÉXICO), JETTA (MÉXICO), PARATI II 1.0, PARATI II 1.8 AP, POLO 1.6 AP POLO 1.8 AP, POLO 1.9 DIESEL, SAVEIRO II 1.0, SAVEIRO II 1.8 AP

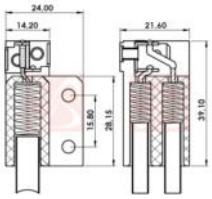


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-208-12V	PRESTOLITE - LUCAS INDIEL		35212715,K01523

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
35213395, 35213850(12V70A)	4,5 x 8,0 x 16,5

APLICAÇÕES

OBSERVAÇÕES Alternador 70A **MERCEDES-BENZ** CAMINHÕES 1112, CAMINHÕES 1114, CAMINHÕES 1215 L, CAMINHÕES 1517, CAMINHÕES 1615 L, CAMINHÕES 1620 L, CAMINHÕES 608 LD, CAMINHÕES 709 L, CAMINHÕES 710 L, CAMINHÕES 912 L, CAMINHÕES 913 L, ÔNIBUS OF1214, ÔNIBUS OH1114, ÔNIBUS OH1315



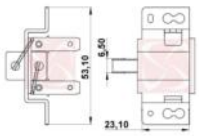
REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-209-24V	PRESTOLITE - LUCAS INDIEL		35213010,K01525

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
352.13.670, 352.13.680, 352.13.690, 352.13.845, 352.13.865 352.13.970, 352.14.130, 352.14.170, 352.14.560, 35213140 35213165, 35213300, 35213385, 35213415, 35213455, 35213505, 35213530, 35213540, 35213560, 35213665, 35213675, 35213750, 35213760, 35213790, 35213830, 35214020, 35214230, 35214375, 35214390, 35214395, 35214400, 35214750, 35215080, 35215085, 35215090,	4,5 x 8,0 x 18,5

35215095, 35215235, 35215295, 35215350, 35215385,
MB12100R, MB24055R, MB24090R, SC12100R, SC24055R
SC24090R, UN12100R, UN24090R

APLICAÇÕES

CUMMINS MOTOR 6BTAA 5.9, MOTOR 6CTA 8.3, MOTOR B6BT 5.9, MOTOR BT 5.9 **DIVERSAS** PERKINS **FIAT** DUNA 1.6, DUNA 1.7 DIESEL, ELBA 1.7 DIESEL, FIORINO 1.4, FIORINO 1.5, FIORINO 1.6, PRÊMIO 1.7 DIESEL, REGATA 1.4, REGATA 1.6, REGATA 2.0, STRADA 1.1, STRADA 1.4, TIPO 1.1, TIPO 1.4, UNO 1.6, UNO 1.7 DIESEL **FORD** CAMINHÕES CARGO 1416, CAMINHÕES CARGO 1722 CAMINHÕES F14000, ESCORT 1.8 AP, ESCORT 2.0 AP, F100 V8, F1000, F150 V8, FALCON 3.0, FALCON 3.6, GALAXY 1.6 AP, GALAXY 1.8 AP, GALAXY 2.0 AP, TAUNUS 2.0, TAUNUS 2.3, VERSAILLES **MASSEY FERGUSON** TRATORES **MERCEDES-BENZ** CAMINHÕES 1112, CAMINHÕES 1114 L, CAMINHÕES 1215 L, CAMINHÕES 1322 L, CAMINHÕES 1517, CAMINHÕES 1521, CAMINHÕES 1526, CAMINHÕES 1615 L, CAMINHÕES 1620 L, CAMINHÕES 1630 L, CAMINHÕES 1935 L, CAMINHÕES 1938 L, CAMINHÕES 608 LD, CAMINHÕES 709 L, CAMINHÕES 710 L, CAMINHÕES 912 L, CAMINHÕES 913 L, ÔNIBUS O364, ÔNIBUS O371, ÔNIBUS O374, ÔNIBUS OF1214, ÔNIBUS OF1215, ÔNIBUS OF1315, ÔNIBUS OF1320, ÔNIBUS OH1114, ÔNIBUS OH1315, ÔNIBUS OH1316, ÔNIBUS OH1318, ÔNIBUS OH1319, ÔNIBUS OH1320, ÔNIBUS OH1419, ÔNIBUS OH1420 **RENAULT** CLIO 1.6, FUEGO 2.0, FUEGO 2.2, R11 1.4, R11 1.6, R12 1.4, R12 1.6, R18 1.4, R18 1.6, R18 2.0, R18 2.2, R21 2.0, R21 2.2, R9 1.4 R9 1.6, TRAFIC 1.4, TRAFIC 2.0, TRAFIC 2.1 DIESEL, TRAFIC 2.2 **SCANIA** CAMINHÕES DIVERSOS, ÔNIBUS DIVERSOS **VOLKSWAGEN** QUANTUM 1.8 AP, QUANTUM 2.0 AP, SANTANA 1.8 AP, SANTANA 2.0 AP



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
B-230-12V	PRESTOLITE - LUCAS INDIEL		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
5263797, 5263830, 6025001175000, AVE2119E	4,5 x 6,4 x 14,0

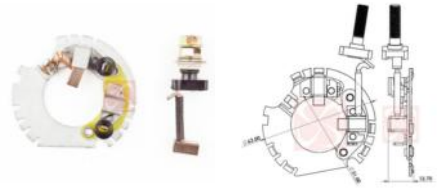
APLICAÇÕES

AGRALE ÔNIBUS VOLARE **CUMMINS** CTA 8.3

SULCARBON

PORTA-ESCOVAS

Motocicletas

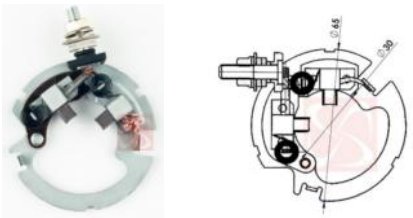


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-907-12V	DENSO		028510-0632,028510-5270

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
028000-8410, 028000-9281, 128000-2760, 128000-2950, 128000-4242, 128000-4630, 128000-4860, 128000-4861, 128000-4863, 128000-5142, 228000-2780, 228000-4550, 228000-4560, R1000B7F, ZR1000A1, ZR1000A2, ZR1000A3 ZR1000A6F, ZR1000B8F, ZR750K1, ZR750K6F, ZX1200B1, ZX1200B2, ZX1200B3, ZX1200B4, ZX600E10, ZX600E11, ZX600E12, ZX600E13	6,0 x 9,0 x 12,0

APLICAÇÕES

BOMBARDIER SEA-DOO JET SKI **DIVERSAS** KAWASAKI, WATER CRAFT **HONDA** MOTOR GXV270, MOTOR GXV340, MOTOR GXV390



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-901-12V	HONDA		31206

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
901QTY1M9T11	6,0 x 10,0 x 13,5

APLICAÇÕES

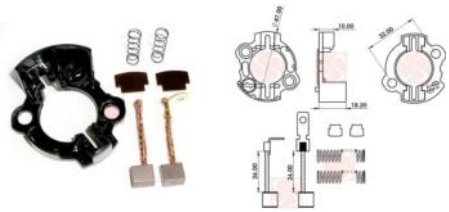
HONDA AX 250, CB 750, CBF 250, CBR 600, CBX 150, CBX 200, CBX 250, CBX AERO 150, CG 125, CG TITAN 125, CLR 125, CN 250, CRF 230, FES 125, FES 250, FL 400R, NES 125, NSS 250, NX 125, NX 150, NX 200, NX 250, NX 350, NX 400, NXR 125, NXR 150, PES 125, SAHARA 350, SES 125, SH 125, TRX 200, TRX 300, TRX 350, TRX 400, TRX 450, VF 750, VFR 750, XLR 125, XR 125, XR 200, XR 250

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-905-12V	HONDA		9390083018

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	7,5 x 6,0 x 8,0

APLICAÇÕES

HONDA BIZ 125, CG 150

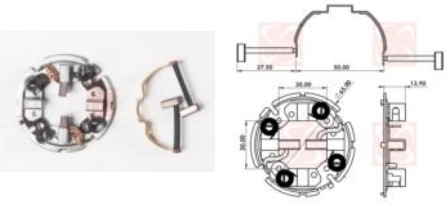


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-906-12V	HONDA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	7,5 x 6,0 x 8,0

APLICAÇÕES

HONDA MOTO BIZ 100

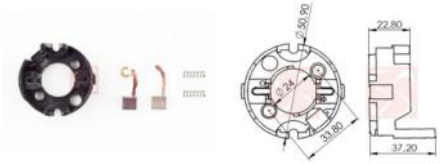


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-904-12V	KAWASAKI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	5,0 x 10,0 x 12,5

APLICAÇÕES

HONDA SHADOW **KAWASAKI** JET-SKI, MOTO 1100CC, MOTO 900CC **YAMAHA** XT 600



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
M-903-12V	YAMAHA		

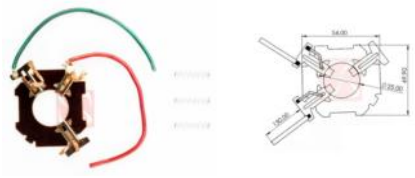
Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	9,5 x 6,0 x 10,0

APLICAÇÕES
YAMAHA YBR

SULCARBON

PORTA-ESCOVAS

Diversos

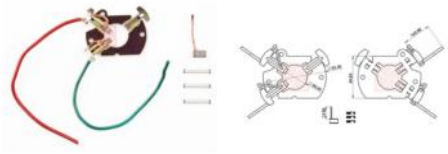


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-601-12V	BOSCH - WAPSA		9390082022

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,3 x 6,3 x 12,0

APLICAÇÕES

CHEVROLET - GM CHEVETTE, MONZA **DIVERSAS** MERCEDES-BENZ, SCANIA **FIAT** 147 **UNIVERSAL** CARROS DIVERSOS **VOLKSWAGEN** FUSCA 1.3, FUSCA 1.5, FUSCA 1.6, GOL, SANTANA, SAVEIRO, VOYAGE

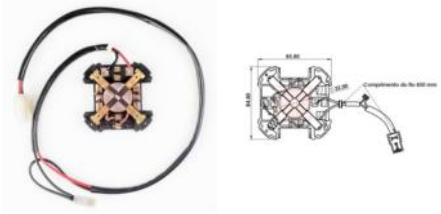


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-602-12V	BOSCH - WAPSA		9390083018

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,0 x 4,5 x 10,5

APLICAÇÕES

OBSERVAÇÕES Porta-escovas para motor de limpador de para-brisa dianteiro de 2 velocidades universal **DIVERSAS** FORD, GM, VOLKSWAGEN **FIAT** UNO



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-610-12V	BOSCH - WAPSA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	7,0 x 8,0 x 17,0

APLICAÇÕES

OBSERVAÇÕES Para sistema elétrico de arrefecimento, (para refrigerar o sistema elétrico de carro) **FIAT** DUNA GASOLINA, UNO DIESEL

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-604-12V	CARTO-MABUCHI		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	3,7 x 3,9 x 7,5

APLICAÇÕES

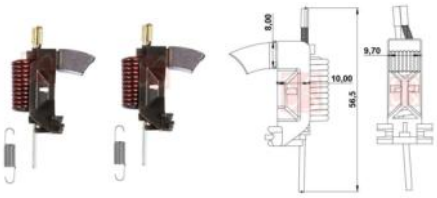
OBSERVAÇÕES Levantador de vidro Universal, (lado direito ou esquerdo, com e sem conector) **DIVERSAS** LEVANTADOR DE VIDRO UNIVERSAL

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-603-12V	DELCO-REMY		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	5,0 x 5,0 x 11,5

APLICAÇÕES

OBSERVAÇÕES Porta-escovas p/ limpador para-brisa dianteiro Arno **CHEVROLET-GM** D-20, MONZA, OPALA

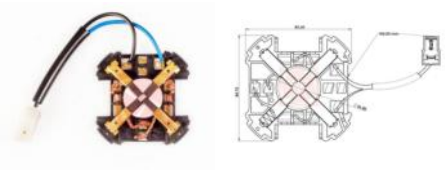


REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-001-12V	DIVERSOS		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
773.50008.09, 93286609, 93362932, 93369734, 93370045, 93390093, 970448Q	8,0 x 9,7 x 14,5

APLICAÇÕES

DIVERSAS ELETROVENTILADORES DIVERSOS **FORD** FOCUS **GM** CELTA, CORSA, MONTANA, PRISMA **MERCEDES** AXOR **VOLKSWAGEN** AMAROK, GOLF, TIGUAN



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-608-12V	DIVERSOS		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	7,0 x 8,0 x 17,0

APLICAÇÕES

OBSERVAÇÕES Para sistema elétrico de arrefecimento, (para refrigerar o sistema elétrico de carro) **RENAULT** R19

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-033-12V	MITSUBA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
SM74012, SM74018	0,0 x 0,0 x 0,0

APLICAÇÕES

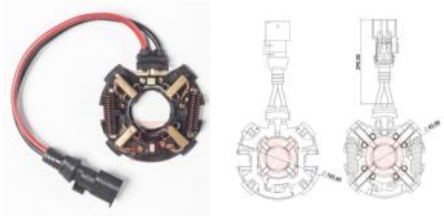
OBSERVAÇÕES Kit reparo para o porta-escovas A-033-12V. **HONDA** CRV 2012 EM DIANTE, HRV 2016, NEW CITY 2015 EM DIANTE, NEW CIVIC 2012 EM DIANTE, NEW FIT 2015 EM DIANTE

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-216-12V	MITSUBA		

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
1200PPAA01, 1200PPAA02, 1200PPAA03, 1200PPAA51, 17844, 17870, 17959, 31200PPA505, 31200RAAA51, 31200RAAA61, 31200RAAARAA43, 31200RAAARAA51, 31200RAAARM, SM61202, SM612022W, SM61205, SM61206, SM612063M, SM61207, SM61209, SM61210, SM71001, SM71003, SM71004, SM7102, SM710217816, SM74018	0,0 x 0,0 x 0,0

APLICAÇÕES

OBSERVAÇÕES Kit Reparo para porta-escovas A-216-12V. **ACURA** TSX 2.4L **HONDA** ACCORD 2.4L, ACCORD VII 2.0, ACCORD VII 2.0 4X4, ACCORD VII 2.4I, CIVIC EX ANO 2007 ATÉ 2013;, CIVIC LX 2007 ATÉ 2013, CIVIC SI ANO 2007 ATÉ 2013;, CIVIC VII 2.0 TYPE-R, CIVIC VIII 1.3, CIVIC VIII 1.8, CR-V 2.4L, CR-V II 2.4I, CR-Z 1.3, ELEMENT 2.4L EX;, ELEMENT 2.4L LX;, INSIGHT 1.0, INSIGHT 1.3



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL
D-612-12V	VALEO		7701470783

Nº ALTERNADOR/PARTIDA/LIMPADOR	DIMENSÕES DAS ESCOVAS
	6,0 x 12,5 x 20,0

APLICAÇÕES

OBSERVAÇÕES Porta-escovas aplicado em direção elétrica. **CITROËN** SAXO **PEUGEOT** 106 **RENAULT** CLIO 1.5 DCI 2001, CLIO 1.9D (1998), KANGOO 1.5 DCI (2001), KANGOO 1.9D (1999), SCENIC **YALE** TRANSPALETEIRA MPE 060 (MINI UNIDADE HIDRÁULICA)

SULCARBON

ESCOVAS AUTOMOTIVAS

Motores de Partida

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-11/12	BOSCH - WAPSA	6/12V	9,0 x 13,0 x 25,5	

Nº ORIGINAL

1007014100,9001454100

Nº DO ARRANQUE

0001350004, 0001350006, 0001350008, 0001350010, 0001350012, 0001350016, 0001350018, 0001350021, 0001350025, 0001350026, 0001350027, 0001350029, 0001350031, 0001350033, 0001350034, 0001350036, 0001350038, 0001350040, 0001350041, 0001350042, 0001350048, 0001350049, 0001350055, 0001350062, 0001350063, 0001350064, 0001350065, 0001350068, 0001350069, 0001350070, 0001350071, 0001350073, 0001350074, 0001350075, 0001350077, 0001350078, 0001350079, 0001350080, 0001350081, 0001350082, 0001350083, 0001350084, 0001350085, 0001350086, 0001350087, 0001350088, 0001350089, 0001350090, 0001350091, 0001350092, 0001350093, 0001350094, 0001350095, 0001350096, 0001350098, 0001350099, 0001350100, 0001350101, 0001350102, 0001350103, 0001350106, 0001350108, 0001350109, 0001353004, 0001353006, 0001353008, 0001353010, 0001353012, 0001353016, 0001353018, 0001353021, 0001353025, 0001353026, 0001353027, 0001353029, 0001353031, 0001353033, 0001353034, 0001353036, 0001353038, 0001353040, 0001353041, 0001353042, 0001353048, 0001353049, 0001353055, 0001353062, 0001353063, 0001353064, 0001353065, 0001353068, 0001353069, 0001353070, 0001353071, 0001353073, 0001353074, 0001353075, 0001353077, 0001353078, 0001353079, 0001353080, 0001353081, 0001353082, 0001353083, 0001353084, 0001353085, 0001353086, 0001353087, 0001353088, 0001353089, 0001353090, 0001353091, 0001353092, 0001353093, 0001353094, 0001353095, 0001353096, 0001353098, 0001353099, 0001353100, 0001353101, 0001353102, 0001353103, 0001353106, 0001353108, 0001353109, 2004320006, DSK11/15Z

APLICAÇÕES

DIVERSAS MASSEY FERGUSON **DODGE** CAMINHÃO A PARTIR DE 73 MOTOR PERKINS 3 CILINDROS **FORD** 8BR **INTERNATIONAL** FENDT **VALMET** TRATOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-126	BOSCH - WAPSA	12V	7,0 x 10,0 x 16,0	

Nº ORIGINAL

1007014131

Nº DO ARRANQUE

1004320905

APLICAÇÕES

FORD CORCEL II 1.6, ESCORT, VERONA TODOS COM BOBINA DE ALUMÍNIO **VOLKSWAGEN** GOL 1.8, SANTANAGM

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-128	BOSCH - WAPSA	12V	7,0 x 10,0 x 18,0	

Nº ORIGINAL

1007014133

Nº DO ARRANQUE

0001208403, 0001208404, 1004320907

APLICAÇÕES

OBSERVAÇÕES VW de 01/80 a 10/83, todos com bobina de alumínio **CHEVROLET-GM** MONZA **DIVERSAS** AGRALE **FIAT** 147, PANORAMA **FORD** CORCEL II 1.6, DEL REY **VOLKSWAGEN** GOL, KOMBI DIESEL, PARATI, PASSAT, VOYAGE

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-134/144	BOSCH - WAPSA	12V	10,0 x 25,0 x 17,0	

Nº ORIGINAL

2007014062

Nº DO ARRANQUE

0001367004, 0001367034, 0001367075, 0001367076, 0001518014, 16905376, 2004320101, 2004320102, 79033953, 82DB11057AA, 9926114, 9959573, A0001518014

APLICAÇÕES

LAND ROVER 109 **NEW HOLLAND** 8430 DT, 8630 DT, 8830 DT **VOLKSWAGEN** SANTANA 2000

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-135/145	BOSCH - WAPSA	24V	8,0 x 25,0 x 17,0	

Nº ORIGINAL

2007014063

Nº DO ARRANQUE

0001368001, 0001368002, 0001368003, 0001368005, 0001368007, 0001368009, 0001368010, 0001368011, 0001368012, 0001368013, 0001368016, 0001368018, 0001368019, 0001368020, 0001368021, 0001368023, 0001368024, 0001368025, 0001368026, 0001368027, 0001368028, 0001368030, 0001368034, 0001368036, 0001368038, 2004320103, 2004320104

APLICAÇÕES

CASE ESCAVADEIRA 988 (CUM-6 BT) **SCANIA** CAMINHÃO P93H

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-137/143	BOSCH - WAPSA	12V	9,0 x 16,0 x 17,0	

Nº ORIGINAL

2007014068

Nº DO ARRANQUE

0001362034, 0001362035, 0001362036, 0001362038, 0001362039, 0001362041, 0001362042, 0001362045, 0001362046, 0001362047, 0001362049, 0001362050, 0001362052, 0001362053, 00013620561, 0001362057, 0001362058, 0001362059, 0001362062, 0001362063, 0001362064, 0001362069, 0001362070, 0001362071, 0001362072, 0001362073, 0001362074, 0001362075, 0001362076, 0001362077, 0001362078, 0001362079, 0001362081, 0001362082, 0001362083, 0001362602, 0001366001, 0001366002, 0001366004, 0001366005, 0001366008, 0001366009, 0001366010, 0001366011, 0001366012, 0001366013, 0001366014, 0001366015, 0001366016, 0001366017, 0001366025, 0001366026, 0001366029, 2004320296, 2004320297

APLICAÇÕES

DIVERSAS AUDI, CASE, DEUTZ, IHC, JOHN DEERE, KHD, MASSEY-FERGUSSON, MERCEDES **KAEBLE** 3WT, WTV COM MOTOR **PEUGEOT** 504 2.3 PICK-UP DIESEL **VOLVO** DIESEL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-148	BOSCH - WAPSA	12V	12,0 x 36,0 x 27,0	

Nº ORIGINAL

2007014070

Nº DO ARRANQUE

APLICAÇÕES

IVECO EURO TRAKKER 8210 **SCANIA** ÔNIBUS K113 **VOLVO** B12

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-149	BOSCH - WAPSA	12V	7,0 x 10,0 x 15,7	

Nº ORIGINAL

1007014105,1007014139,1007014141,1007014145,9004082720

Nº DO ARRANQUE

0001208501, 0001208506, 0001208508, 0001208510, 0001208513, 0001208514, 0001208521, 0001208526, 0001208528, 0001208702, 0001208705, 0001208706, 0001208715, 0001208717, 0001208719, 0001211512, 0001211513, 0001211515, 0001211533, 0001211535, 0001211536, 1001711512, 1001711513, 1001711515, 1004320003, 9000333104, 9000333106, 9000333109, 9000333114, 9000333117, 9000333120, 9000333121, 9000333122

APLICAÇÕES

AUDI 100 1.8, 100 1.8 QUATTRO, 80 1.6, 80 1.8 GTE QUATTRO **CITROËN** BX 19 1.9 GTI, CX 22 2.2 **FIAT** 147 1.5 FIORINO, DUNA 1.4I, DUNA 1.6I, ELBA 1.5, PRÊMIO 1.5, TEMPRA 2.0 ÁLCOOL, TEMPRA 2.0 GASOLINA, TEMPRA 2.0 MPI 16V, TEMPRA 2.0 SPI 8V, TEMPRA 2.0 TURBO, UNO 1.4I, UNO 1.5, UNO 1.6, UNO 1.6I **FORD** TAUNUS 1.3 **PEUGEOT** 205 1.6, 309 1.9 GTI, 405 1.6, 405 1.9I 504 1.6, 504 1.8, 505 2.0 **RENAULT** CLIO 1.0, CLIO 1.2, ESPACE 2.0, FUEGO 2.0, MASTER 2.0, MÉGANE 1.4, R11 1.1, R18, R19 1.4, R21 2.2, R25 2.0, R5 1.7 SUPER GTX, TRAFIC 1.7, TRAFIC 2.0, TRAFIC 2.2 **TALBOT** SOLARA 1.3, SOLARA 1.4, SOLARA 1.6 **VOLKSWAGEN** PASSAT 1.6, PASSAT 1.8, SANTANA 1.6, SANTANA 1.8 **VOLVO** 340 1.7, 440 1.6, 440 1.8 T, 440 1.84, 460 1.7I T

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-151	BOSCH - WAPSA	12V	7,5 x 18,0 x 17,0	

Nº ORIGINAL

1007014143

Nº DO ARRANQUE

0001218001, 0001218002, 0001218003, 0001218004, 0001218005, 0001218006, 0001218007, 0001218009, 1004320912

APLICAÇÕES

BMW 324, 325, 524, 525T-TD **CHEVROLET-GM** S10 DIESEL **FIAT** DUCATO 8/10 PASSAGEIROS, FURGÃO, PICK-UP **FORD** ESCORT, F 1000 DIESEL C/ MOTOR MAXION TN1, FIESTA, MONDEO ORION **IVECO** TURBO DIESEL **MERCEDES BENZ** MB-180 D

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-157/158	BOSCH - WAPSA	12V	6,0 x 18,0 x 14,5	DWR/DWL

Nº ORIGINAL

1004336909

Nº DO ARRANQUE

1001109001, 1001109002, 1001109003, 1001110001, 1001110002, 1001110003, 1001110004, 1001110005, 1001110006, 1001110007, 1001110008, 1001110009, 1001110010, 1001110011, 1001110012, 1001110013, 1001110014, 1001110015, 1001110016, 1001110017, 1001110018, 1001110019, 1001110022, 1001110023, 1001110039, 1001110040, 1001110041, 1001110042, 1001110043, 1001110044, 1001110045, 1001110046, 1001110047, 1001110048, 1001110049, 1001110051, 1001110052, 1001110053, 1001110054, 1001110055, 1001110056, 1001110057, 1001110059, 1001110060, 1001110061, 1001110062, 1001110063, 1001110064, 1001110065, 1001110066, 1001110068, 1001110069, 1001110072, 1001110075, 1001110078, 1001110999, 1004320110, 1004320111

APLICAÇÕES

BMW ATÉ 96 **CHEVROLET-GM** OMEGA 3.0 **DIVERSAS** AUDI, MERCEDES-BENZ

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-157/158-E	BOSCH - WAPSA	12V	6,0 x 18,0 x 14,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

AUDI A3 1.8 T, Q7 3.6 FSI, RS3 2.5 TFSI SPORTBACK QUATTRO, RS6 4.2 AVANT QUATTRO, RS6 4.2 QUATTRO, S3 QUATTRO, TT COUPÉ 1.8 T QUATTRO, TT ROADSTER 1.8 T QUATTRO**HYUNDAI** AEROVAN **PORSCHE** CAYENNE 4.5 S, CAYENNE 4.5 TURBO **SEAT** ALHAMBRA 1.8 TURBO, ALHAMBRA 1.9 TDI, ALHAMBRA 2.0, ALHAMBRA 2.8, CORDOBA 1.6, CORDOBA 1.9 TDI, IBIZA 1.8 **VOLKSWAGEN** CC 3.6 FSI E-MOTION, GOLF IV 1.8 T, GOLF IV 1.9 TDI, GOLF IV 2.3, GOLF IV 2.3 E-MOTION, GOLF IV 2.3 E-MOTION VARIANT, GOLF IV 2.8 VR6, POLO HATCH 1.9, POLO SEDAN 1.9, TOUAREG 3.2

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-159/160	BOSCH - WAPSA	12V	5,0 x 16,0 x 13,0	DWR

Nº ORIGINAL

1004336903,1004336907,1004336911,1004336912,1004336913,1004336918

Nº DO ARRANQUE

0001108001, 0001108002, 0001108003, 0001108004, 0001108005, 0001108007, 0001108009, 0001108010, 0001108011, 0001108012, 0001108013, 0001108016, 0001108033, 0001108035, 0001108037, 0001108038, 0001108039, 0001108040, 0001108042, 0001108043, 0001108044, 0001108045, 0001108046, 0001108047, 0001108048, 0001108050, 0001108051, 0001108052, 0001108053, 0001108054, 0001108056, 0001108057, 0001108059, 0001108060, 0001108061, 0001108062, 0001108063, 0001108064, 0001108065, 0001108066, 0001108068, 0001108069, 0001108070, 0001108071, 0001108072, 0001108073, 0001108074, 0001108075, 0001108076, 0001108077, 0001108078, 0001108079, 0001108080, 0001108081, 0001108082, 0001108083, 0001108084, 0001108085, 0001108086, 0001108087, 0001108088, 0001108089, 0001108090, 0001108091, 0001108092, 0001108093, 0001108094, 0001108095, 0001108096, 0001108098, 0001108099, 0001108100, 0001108101, 0001108102, 0001108106, 0001108107, 0001108109, 0001108110, 0001108111, 0001108112, 0001108113, 0001108115, 0001108116, 0001108117, 0001108118, 0001108120, 0001108996, 0001108999, 1004320113, 1004320114, 1004336921, 1004336923, 1004336934, 1004336935, 1004336936, 1004336941, 1004336950, 1004336951, 1004336954, 1004336957, 1004336960, 1004336961, 1004336965, 1004336968

APLICAÇÕES

AUDI A4, A6, A8, CABRIO, COUPE, QUATTRO **BMW** 316, 318, 320, 325, 518, 520, 525, 528, 628, M3 **CHEVROLET-GM** ASTRA, CALIBRA, OMEGA, VECTRA (IMPORTADO) **CITRÖEN** XANTIA, ZX **FIAT** TEMPRA, TIPO (IMPORTADO) **FORD** FIESTA (IMPORTADO) **PEUGEOT** 306, 405, 605, 806 **RENAULT** CLIO, R19 **VOLKSWAGEN** GOLF, PASSAT **VOLVO** 240, 260, 360, 740, 760, 780, 850, 940, 960

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-161/162	BOSCH - WAPSA	12V	5,0 x 12,0 x 11,6	DM/DW

Nº ORIGINAL
1004336915

Nº DO ARRANQUE
1004320118, 1004320119

APLICAÇÕES

CHEVROLET-GM ASTRA 2.0, CORSA 1.0, CORSA 1.4, OMEGA 2.0, OMEGA 2.2, OMEGA 3.0, OMEGA 4.1, VECTRA 2.0, VECTRA 2.2 **FORD** ESCORT 1.6, ESCORT 1.8, ESCORT 2.0, FIESTA 1.4
VOLKSWAGEN GOL GTI 16V, GOLF GTI 2.0, LOGUS 1.8, LOGUS 2.0, POINTER TODOS COM MOTOR DE ARRANQUE DW

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-161/162-D	BOSCH - WAPSA	12V	5,0 x 12,0 x 11,6	DM/DW

Nº ORIGINAL
1004336915

Nº DO ARRANQUE
1004320118, 1004320119

APLICAÇÕES

CHEVROLET-GM CORSA 1.0, CORSA 1.4 **FIAT** PÁLIO 16V, PALIO 8V **FORD** FIESTA 1.4

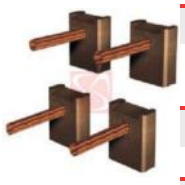
REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-161/162-E	BOSCH - WAPSA	12V	5,0 x 12,0 x 11,6	DM/DW

Nº ORIGINAL
1004336915

Nº DO ARRANQUE
1004320118, 1004320119

APLICAÇÕES

FORD ESCORT 1.6, ESCORT 1.8, VERONA **VOLKSWAGEN** GOL 1000, GOLF GTI, PARATI 16 VÁLVULAS, POLO



REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-165	BOSCH - WAPSA	24V	7,5 x 18,0 x 19,0	EV-R2,5KW

Nº ORIGINAL
9003337001

Nº DO ARRANQUE
0001219001, 0001219002, 0001219003, 0001219004, 0001219005, 0001219006, 0001219007, 0001219008, 0001219009, 9000332401, 9000332402, 9003334321

APLICAÇÕES

MERCEDES-BENZ SPRINTER

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-165-C	BOSCH - WAPSA	12V	7,9 x 18,0 x 19,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

FORD COURIER, ESCORT, F-100, FIESTA, FOCUS, MONDEO, ORION, RANGER DIESEL, TRANSIT

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-172/173/174	BOSCH - WAPSA	24V	12,0 x 35,7 x 21,0	

Nº ORIGINAL

2004320244,2004320245,2004320249,2007014084

Nº DO ARRANQUE

0001417075, 0001417076

APLICAÇÕES

OBSERVAÇÕES Escova com sensor. **VOLVO** CAMINHÃO FH (EVOLUÇÃO DO KB)

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-172/173-12V	BOSCH - WAPSA	12V	12,0 x 35,7 x 21,0	

Nº ORIGINAL

Nº DO ARRANQUE

0001410024, 0001410067, 0001410088, 0001410111, 0001410115, 0001411009, 0001414011, 0001415001, 0001415007, 0001415017, 0001416020, 0001416023, 0001416025, 10655, 11130041, 11139013, 11139025, 11139029, 11139032, 11139107, 11139506, 12590, 19024010, 19024049, 19024051, 19024080, 19024109, 22602, 22604, 22608, 22701, 3803599, 881681

APLICAÇÕES

VOLVO PENTA TAMD63LA, TAMD63PA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-172/173-24V	BOSCH - WAPSA	24V	12,0 x 35,7 x 21,0	

Nº ORIGINAL

2004320244,2004320245,2007014079,2007014070

Nº DO ARRANQUE

0001410029, 0001410062, 0001416001, 0001416002, 00014160023, 0001416003, 0001416004, 0001416005, 0001416006, 0001416007, 0001416008, 0001416009, 0001416010, 0001416011, 0001416012, 0001416013, 0001416014, 0001416015, 0001416016, 0001416017, 0001416018, 0001416019, 0001416022, 0001416024, 0001416026, 0001416027, 0001416028, 0001416029, 0001416030, 0001416031, 0001416032, 0001416033, 0001416035, 0001416036, 0001416037, 0001416038, 0001416039, 0001416040, 0001416042, 0001416043, 0001416044, 0001416045, 0001416046, 0001416047, 0001416048, 0001416049, 0001416050, 0001416051, 0001416052, 0001416053, 0001416056, 0001416057, 0001416059, 0001416060, 0001416061, 0001416062, 0001416063, 0001416064, 0001416065, 0001416066, 0001416068, 0001416069, 0001416070, 0001416071, 0001416072, 0001416073, 0001416074, 0001416075, 0001416076, 0001416077, 0001416078, 0001416079, 0001416080, 0001416083, 0001417002, 0001417005, 0001417006, 0001417007, 0001417010, 0001417011, 0001417013, 0001417014, 0001417016, 0001417017, 0001417020, 0001417022, 0001417023, 0001417024, 0001417025, 0001417026, 0001417027, 0001417028, 0001417029, 0001417030, 0001417031, 0001417033, 0001417035, 0001417036, 0001417037, 0001417038, 0001417041, 0001417042, 0001417043, 0001417044, 0001417045, 0001417047, 0001417048, 0001417050, 0001417051, 0001417052, 0001417053, 0001417054, 0001417055, 0001417056, 0001417057, 0001417058, 0001417059, 0001417061, 0001417062, 0001417063, 0001417064, 0001417065, 0001417066, 0001417068, 0001417069, 0001417071, 0001417072, 0001417073, 0001417074, 0001417077, 0001417078, 0001417079, 0001417080, 0001418004, 0001418005, 0001418006, 0001418008, 0001418010, 001417001

APLICAÇÕES

OBSERVAÇÕES Substitui BSX-148. **VOLVO** CAMINHÃO FH (EVOLUÇÃO DO KB)

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-190/191-12V	BOSCH - WAPSA	12V	6,5 x 25,0 x 16,4	EV-R2,3KW

Nº ORIGINAL

Nº DO ARRANQUE

0.001.223.001, 0.001.223.002, 0.001.223.003, 0.001.223.004, 0.001.223.005, 0.001.223.006, 0.001.223.007, 0.001.223.008, 0.001.223.009, 0.001.223.010, 0.001.223.011, 0.001.223.012, 0.001.223.013, 0.001.223.014, 0.001.223.016, 0.001.223.018, 0.001.223.019, 0.001.223.021, 0.001.223.022, 0.001.223.056, 6.033.AD0.368, 6.033.AD4.026

APLICAÇÕES

OBSERVAÇÕES BOSCH EV-R 12V 2.3KW,BOSCH EV-R 12V 2.3KW - Nº Orig.: 6.033.AD0.368, 6.033.AD4.026. **DIVERSAS** DAILY, IVECO **FORD** F-250 C/ MOTOR MWM

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-190/191-24V	BOSCH - WAPSA	24V	6,5 x 25,0 x 16,4	4KWMMB:Series7t712C,series9t915,914C, series12t1215C-L1218,series14tL1418, series16tL1618M,series24t2423,seriesOO500M-R-U

Nº ORIGINAL

Nº DO ARRANQUE

0001231002, 10479650, 82000168, 8200297

APLICAÇÕES

MERCEDES-BENZ SÉRIE 12T 1215C-L1218, SÉRIE 14T L1418, SÉRIE 16T L1618M, SÉRIE 24T 2423, SÉRIE 7T 712C, SÉRIE 914C, SÉRIE 9T 915, SÉRIE O O500M-R-U

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-192/193	BOSCH - WAPSA	12V	6,2 x 22,0 x 15,0	

Nº ORIGINAL

6033ADO014,6033AD0011,6033AD0012,6033AD1158,6033AD1159

Nº DO ARRANQUE

0001218728, 0001218772, 0001218774, 0001223001, 0001223002, 0001223003, 0001223005, 0001223007, 0001223009, 0001223010, 0001223013, 0001223014, 0001223016, 0001223018, 0001223019, 0001223024, 0001223500, 0001223501, 0001223505, 91AB11000HB

APLICAÇÕES

CHEVROLET-GM BLAZER 2.5 4X4 DIESEL, S10 2.5 4X4 DIESEL **CITROËN** JUMPER 2.8, JUMPER 2.8 HDI, JUMPER 2.8 T **FIAT** DUCATO 10 2.8 D, DUCATO 10 2.8 TD, DUCATO 14 2.8 D, DUCATO 14 2.8 TD, DUCATO 18 2.8 D, DUCATO 18 2.8 TD, DUCATO 2.8 TURBO INTERCOOLER **FORD** CAMINHÃO F4000 (C/ MOTOR CUMMINS), F1000 (C/ MOTOR CUMMINS), F250 (C/ MOTOR CUMMINS), F350 (C/ MOTOR CUMMINS) **IVECO** CAMINHÃO DAILY 12, CAMINHÃO DAILY 35 C11, CAMINHÃO DAILY 35 C13, CAMINHÃO DAILY 35 C9, CAMINHÃO DAILY 35 S11, CAMINHÃO DAILY 35 S13, CAMINHÃO DAILY 35 S9, CAMINHÃO DAILY 35-13, CAMINHÃO DAILY 38-13, CAMINHÃO DAILY 40-13, CAMINHÃO DAILY 50 C11, CAMINHÃO DAILY 50 C13, CAMINHÃO DAILY 50-13, CAMINHÃO DAILY 70-13, CAMINHÃO SCUDATO, ÔNIBUS CITYCLASS **MERCEDES-BENZ** CAMINHÃO SPRINTER 216 CDI, CAMINHÃO SPRINTER 310 D, CAMINHÃO SPRINTER 312 D, CAMINHÃO SPRINTER 316 CDI, CAMINHÃO SPRINTER 416 CDI, CLASSE C 270 CDI, CLASSE C 270 CDI T-MODELL, CLASSE CLK 270 CDI COUPÉ, CLASSE E 270 CDI, CLASSE E 270 CDI T-MODELL, CLASSE E 320 CDI, CLASSE E 320 CDI T-MODELL, CLASSE ML 270 CDI, CLASSE S 320 CDI, CLASSE S 600 **PEUGEOT** BOXER 2.5 DIESEL TURBO, BOXER 2.8 D, BOXER 2.8 D INTERCOOLER, BOXER 2.8 D TURBO, BOXER 2.8 HDI

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-433-12V	BOSCH - WAPSA	12V	10,0 x 22,0 x 23,5	

Nº ORIGINAL

9001454433

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS CBT, MAXION, MWM, TOYOTA, VALMET **MERCEDES-BENZ** DE 10/76 A 10/83

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-433-24V	BOSCH - WAPSA	24V	10,0 x 22,0 x 23,5	

Nº ORIGINAL

9001454531

Nº DO ARRANQUE

APLICAÇÕES

FIAT CAMINHÃO 120, CAMINHÃO 140, CAMINHÃO 80 **MERCEDES-BENZ** 1115, 1315-0371U

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-44-12V	BOSCH - WAPSA	12V	8,0 x 22,0 x 23,5	

Nº ORIGINAL

2007014006

Nº DO ARRANQUE

0001358005, 0001358010, 0001358014, 0001358017, 0001358018, 0001358020, 0001358021, 0001358023, 0001358026, 0001358027, 0001358028, 0001358033, 0001358035, 0001358037, 0001358038, 0001358040, 0001358041, 0001358046, 0001358047, 0001358048, 0001358049, 0001358050, 0001358051, 2004320074, 2004320080, 2004320085, EDJ3/12, WSK32E6Z

APLICAÇÕES

CBT TRATORES **DIVERSAS** CASE, MASSEY, MWM, PERKINS, TOYOTA **MERCEDES-BENZ** 1111, 1113, 1313, 1513

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-44-24V	BOSCH - WAPSA	24V	8,0 x 22,0 x 23,5	

Nº ORIGINAL

9001454386

Nº DO ARRANQUE

APLICAÇÕES

CASE TRATOR **CBT** TRATOR **DIVERSAS** MWM, TOYOTA **FIAT** CAMINHÃO 100, CAMINHÃO 130, CAMINHÃO 70 **MASSEY** TRATOR **MERCEDES-BENZ** 1111, 1113, 1313, 1513 **PERKINS** TRATOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-561-12V	BOSCH - WAPSA	12V	10,0 x 22,2 x 19,0	

Nº ORIGINAL

9001454592

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Motor especial Dresser á prova de óleo. **AGRALE** 100S, 120S, 1800 D, 4190, 6.150, 7000 DX, 7000 TDX, 80S, 8500 TDX, AX 4100, BX, BX 4.60, BX 60, MA 7.5 T, SÉRIE 5000, SÉRIE 6000 SÉRIE 7000, TX 1600 **CASE** 580H, 580L, 80 CR, 80 P, SH 4X2, SH 4X4, W 18, W 20 E, W20, W20B **CBT** 1065, 1105, 2080, 2105, 2105PERKINS: TRATORES, 8060 4X4, 8240, 8260 4X4, 8440 **CHEVROLET-GM** D 6000, D20 **ELLER** TM 12, TM 14, VIBRO RT 62, VIBRO RT 82 **FIAT** FB 80 **FORD** CARGO WORLD TRUCK C, F 4000 **JOHN DEERE** JD 50 D **KOMATSU** D30E, D50A, RETRO ESCAVADEIRA DE ESTEIRAS **MASSEY FERGUSON** MF 65, MF1630, MF235, MF265, MF295, MF295/4, MF296, MF296/4, MF296/5, MF3640, MF5650, MF6845MF 55 **MAXION** IDEAL 9070, IDEAL 9075, IDEAL 9090, IDEAL 9110, IDEAL 9130, IDEAL 9150, IDEAL 9170 **MERCEDES-BENZ** 917, NEW HOLLAND, O, OF, OF1113, OH, OH1113, OM, OM 366 A, OM 366 C, OM 366 LA, SÉRIE 10T, SÉRIE 11TL SÉRIE 12T, SÉRIE 12TL, SÉRIE 13TL, SÉRIE 14TL, SÉRIE 15TL, SÉRIE 16TL, SÉRIE 17T, SÉRIE 20TL, SÉRIE 22TL, SÉRIE 23TL, SÉRIE 24T, SÉRIE 6TL, SÉRIE 7T, SÉRIE 7TL, SÉRIE 8TL, SÉRIE 9T **MWM** D 229-3, D 229-4, D 229-5, D-229-6, TBD, TD, TD 229-6 **PUMA** 7900, 7900 T, 914 **SLC** 7700 TURBO **TOYOTA** BANDEIRANTE **VALMET** SÉRIE 110, SÉRIE 118, SÉRIE 1180, SÉRIE 1180S, SÉRIE 128, SÉRIE 1280, SÉRIE 138, SÉRIE 1380S, SÉRIE 148, SÉRIE 1580, SÉRIE 1680S, SÉRIE 1780, SÉRIE 1880S, SÉRIE 62, SÉRIE 65, SÉRIE 68, SÉRIE 685, SÉRIE 78, SÉRIE 785, SÉRIE 85, SÉRIE 88, SÉRIE 880, SÉRIE 885, SÉRIE 885S, SÉRIE 980, SÉRIE 985, SÉRIE 985S **VOLKSWAGEN** SÉRIE 12 T, SÉRIE 13 T, SÉRIE 14 T, SÉRIE 15 T, SÉRIE 16 T, SÉRIE 16.170 BT, SÉRIE 16.200, SÉRIE 17 T, SÉRIE 7 T, SÉRIE 8 T, SÉRIE 9 T **YANMAR** TRATOR 1050, TRATOR 1050.D, TRATOR 1050.D 4X4, TRATOR BT, TRATOR BTD

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-561-24V	BOSCH - WAPSA	24V	10,0 x 22,2 x 19,0	

Nº ORIGINAL

9001454599,9000083043,9000083054,9000083063,9000083064,9000083065,9000083066,9000083068,9000083073,9000083076,9000453075,9000453079,9000453086,9000453088, F000AL0700

Nº DO ARRANQUE

APLICAÇÕES

CASE 888 BCKE, 888CKE, W 18 E, W 20 D, W18 D, W20 E **EL DETALHE** OA 101 - 09/1997 **FIAT** 120, 130, 140, 80, 80S, 8340, 8360, AD 7 B, FA 120, FD 9, FG140 - MOTOR 6 CT 8.3 - 02/1999, FH 200, FR 10 B, FR 12 B, FR 120.2 **FORD** CARGO WORL TRUCK 1618, CARGO WORL TRUCK B 1618, CARGO WORL TRUCK B 1621 **IVECO** 120 E15, 149 E 18, 150, 150 E 20, 150 E 20 T, 150 T, 160 E 21, 160 E 23, 160 E 23 T **KOMATSU** A 835, GD 523 A, GD 523 R, PC 150 SE, RETRO-ESCAVADEIRA PC 150 MODELO 3 **MERCEDES-BENZ** 12 T L 1214, 12 T L 1217, 12 T L 1218, 13 T L 1317, 14 T L 141414 T L 1418, 15 T L 1517, 16 T L 1614, 16 T L 1618, 16 T L 1621, MOTORES INDUSTRIAIS, O 371 U, O 371 UL, OF 1115, OF 1315, OF 1318, OF 1620, OF 1721, OH 1315 G, OH 1318, OH 1621 LG, OH 1623 LG **TOYOTA** BANDEIRANTE OM 364 01.91 ATÉ 12.01 **VOLKSWAGEN** 16.210 CO, 16T - 16.180 CO, 17T - 17.210 OD, 17T - 17.240OT, B 16.180, L 80 **VOLVO** VME L 30 **YANMAR** MOTOR ESTACIONÁRIO, MOTOR MARÍTIMO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-592-12V	BOSCH - WAPSA	12V	10,0 x 22,2 x 19,0	

Nº ORIGINAL

9001454592

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Retro Escavadeira de esteiras. **AGRALE** 100S, 120S, 1800 D, 4190, 5000, 6000, 7000, 7000 DX, 7000 TDX, 80S, 8500 TDX, AX 4100, BX, BX 4.60, BX 60, MA 7.5 T 6.150, TX 1600 **CASE** 80 CR, 80 P, SH 4X2, SH 4X4 580L, W 18, W 20 E 580H, W20, W20B **CBT** 1065, 1105, 2080, 2105, 8060 4X4, 8240, 8260 4X4, 8440 **CHEVROLET-GM** D 6000, D20 **DIVERSAS** TM 12/14 **ELLER** VIBRO 82, VIBRO RT 62 **FIAT** ALLIS FB 80 **FORD** CARGO WORL TRUCK, F 4000 **GAMALTA** TRATOR **KOMATSU** D30E, D50A **MASSEY-FERGUSON** MF1630, MF235, MF265, MF295 MF295/4 MF296, MF296/4, MF296/5, MF3640, MF5650, MF6845 55, MF6845 65 **MAXION** IDEAL 9070, IDEAL 9075, IDEAL 9110, IDEAL 9130, IDEAL 9150IDEAL 9170 **MERCEDES-BENZ** 10T, 11TL, 12T, 13TL, 14TL 15TL, 16TL, 17T, 20TL, 22TL, 23TL, 24T, 6TL, 7T, 7TL, 8TL, 917, 9T, O, OF, OF1113, OH, OH1113, OM, OM 366 A, OM 366 C, OM 366 LA, T2TL **MWM** 229-4, 229-6, D 229-3, D 229-4, D 229-5, TBD, TD, TD 229-6 **NEW HOLLAND** 8040, 8040 TC 57, 8040 TC59, 8040 TM 120, 8055 TC 55 **PERKINS** TRATORES **PUMA** 7900, 7900 T, 914 **SLC** 7700 TURBO **TOYOTA** BANDEIRANTE **VALMET** 110, 110VALMET: 685, 118, 1180, 1180S, 128, 1280, 138, 1380S, 148, 1580, 1680S, 1780, 1880S, 62, 65, 65VALMET: 85, 68, 78, 785, 88, 880, 885, 885S, 980, 985, 985S, S62 **VOLKSWAGEN** 12 T, 13 T, 14 T, 15 T 16 T, 16.170 BT, 16.200, 17 T, 7 T, 8 T, 9 T **YANMAR** 1050 BT, 1050 BTD, 1050.D, 1050.D 4X4

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-592-24V	BOSCH - WAPSA	24V	10,0 x 22,2 x 19,0	

Nº ORIGINAL

9001454599

Nº DO ARRANQUE

APLICAÇÕES

CASE 888 BCKE, 888CKE, W 18 E, W 20 D, W18 D, W20 E **EL DETALLE** OA 101 - 09/1997 **FIAT** 120, 130, 140, 80, 80S, 8340, 8360, AD 7 B, FA 120, FD 9, FG140 - MOTOR 6 CT 8.3 - 02/1999, FH 200, FR 10 B, FR 12 B, FR 120.2 **FORD** CARGO WORLD TRUCK 1618, CARGO WORLD TRUCK B 1618, CARGO WORLD TRUCK B 1621 **IVECO** 120 E15, 149 E 18, 150, 150 E 20, 150 E 20 T, 150 T, 160 E 21 160 E 23, 160 E 23 T **KOMATSU** A 835, GD 523 A, GD 523 R, PC 150 SE, RETRO-ESCAVADEIRA PC 150 MODELO 3 **MERCEDES-BENZ** 12 T L 1214, 12 T L 1217, 12 T L 1218, 13 T L 1317, 14 T L 1414 14 T L1418, 15 T L 1517, 16 T L 1614, 16 T L 1618, 16 T L 1621, O 371 U, O 371 UL, OF 1115, OF 1315, OF 1318, OF 1620, OF 1721, OH 1315 G, OH 1318, OH 1621 LG, OH 1623 LG **TOYOTA** BANDEIRANTE OM 364 01.91 ATÉ 12.01 **VOLKSWAGEN** 16T - 16.180 CO, 16T - 16.210 CO, 17T - 17.210 OD, 17T - 17.240OT, B 16.180, L 80 **VOLVO** VME L 30 **YANMAR** MOTOR ESTACIONÁRIO, MOTOR MARÍTIMO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-60	BOSCH - WAPSA	24V	12,0 x 36,0 x 27,0	KB

Nº ORIGINAL

2007014008,2007014048

Nº DO ARRANQUE

000141015, 000141016, 000141017, 000141019, 000141021, 000141022, 000141024, 000141026, 000141029, 000141030, 000141031, 000141032, 000141033, 000141034, 000141035, 000141037, 000141041, 000141043, 000141044, 000141046, 000141048, 000141050, 000141052, 000141053, 000141058, 000141060, 000141061, 000141062, 000141063, 000141064, 000141067, 000141069, 000141075, 000141090, 000141097, 0001411008, 0001411012, 0001411014, 2004320058, 2004320251

APLICAÇÕES

ALFA ROMEO C180 **DIVERSAS** CATERPILLAR, CUMMINS, MAGNUS DEUTZ **MERCEDES-BENZ** 1519, 1924, 1929, 1933, 355, 364 **SCANIA** 2111, L110, L180 **VOLKSWAGEN** CAMINHÃO **VOLVO** CAMINHÃO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BSX-8B-12V	BOSCH - WAPSA	6/12V	7,0 x 16,0 x 22,0	

Nº ORIGINAL

1007014110

Nº DO ARRANQUE

0001203005, 0001203008, 0001203009, 0001203010, 0001203011, 0001203016, 0001203019, 0001204005, 0001205003, 0001205005, 0001205007, 0001205009, 0001205010, 0001205012, 0001205013, 0001205015, 0001205017, 0001217001, 0001304002, 0001304010, 0001304012, 0001304013, 0001304019, 0001304023, 0001305001, 0001305002, 0001305008, 0001305010, 0001305011, 0001305012, 0001305013, 0001305016, 1004320059, WSK19L8Z

APLICAÇÕES

CHEVROLET-GM OPALA 4 CILINDROS **DODGE** 1800 **FORD** CORCEL 78, MAVERICK **JEEP** WILLYS 66 **TOYOTA** 12V **VOLKSWAGEN** 1300, 1500, 1600, BRASÍLIA, VARIANT

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-1194	BOSCH - WAPSA	12V	6,0 x 18,0 x 14,5	

Nº ORIGINAL

Nº DO ARRANQUE

0001109018, 0001109048, F000AL0105, F000AL0107, F000AL0112, F000AL0117

APLICAÇÕES

OBSERVAÇÕES Para motor de partida Bosch c/ saída para a direita. **CHEVROLET-GM** BLAZER 2.8 DIESEL, S10 2.8 DIESEL **FIAT** STRADA 1.7 TDS, STRADA 1.9 D **NISSAN** FRONTIER 2.8 DIESEL XTERRA 2.8 DIESEL **TROLLER** T4, T4-M **YANMAR** MOTOR BTD22

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-125	BOSCH - WAPSA	12V	5,0 x 16,0 x 13,0	

Nº ORIGINAL

Nº DO ARRANQUE

0001108010, 0001108018, 0001108026, 0001108027, 0001108048, 0001108064, 0001108065, 0001108070, 0001108079, 0001108080, 0001108101, 0001108102, 0001108105, 0001108106, 0001108113, 0001108115, 0001108121, 0001108122, 0001108128, 0001108130, 0001108133, 0001108135, 0001108136, 0001108138, 0001108139, 0001108140, 0001108143, 0001108146, 0001108155, 0001108159, 0001108166, 0001108167, 0001108173, 0001108176, 0001108183, F000AL0126, F010AL0103

APLICAÇÕES

OBSERVAÇÕES Para motor de partida Bosch c/ saída para a direita. **ALFA ROMEO** ALFA 155 2.0 TS, ALFA 156 2.5 24V, ALFA 164 3.0I.E, ALFA 166 3.0 V6 24V, SPIDER 3.0 V6 12V **AUDI** 100 2.2, 200 2.2 TURBO, 80 2.2 QUATTRO S2, 80 2.2 RS2, S6 2.2 T **BMW** 325I, 525I **CHRYSLER** GRAND CARAVAN 3.0I **CITROËN** BERLINGO 1.8I, BERLINGO 1.9I, EVASION 2.0I, EVASION 2.0I TURBO, XANTIA 1.6I, XANTIA 1.8I 16V, XANTIA 2.0I, XM 2.0I, XM 2.0I 16V, XM 2.0I TURBO, XSARA 1.8I, XSARA 2.0I, XSARA PICASSO 2.0 TURBO, ZX 2.0I **FIAT** BRAVA 1.9 ELX JTD, CROMA 2.0I.E, CROMA 2.0I.E. 16V, CROMA 2.0I.E. TURBO, FIORINO FURGÃO 1.7 DIESEL, MAREA 1.9 ELX JTD, MAREA WEEKEND 1.9 ELX JTD, PALIO ELX TURBO DIESEL, PALIO EX TURBO DIESEL, PALIO SX 1.7 TURBO DIESEL, PALIO WEEKEND ELX TURBO DIESEL, SIENA ELX TURBO DIESEL, SIENA EX TURBO DIESEL, STILO 1.9 JTD, STRADA 1.7 TURBO DIESEL, ULYSSE 1.8I.E, ULYSSE 1.9 TD, ULYSSE 2.0I.E, ULYSSE 2.0I.E. TURBO ULYSSE 2.1 TD **FORD** ESCORT 1.6I 16V, ESCORT 1.6I 16V XR3I, ESCORT 1.8I 16V, ESCORT 1.8I 16V XR3I, ESCORT 2.0I 16V RS 2000, MONDEO 1.8I, MONDEO 2.0I, TRANSIT 2.0I **PEUGEOT** 306 1.8I 306 2.0I, 306 2.0I 16V, 405 1.8I, 405 2.0I MI 16V, 605 2.0I, 605 3.0I 24V, 806 2.0I, 806 2.0I TURBO, PARTNER 1.8I, PARTNER 1.9I **VOLKSWAGEN** GOL 1.6 D, KOMBI 1.6 D, PARATI 1.6 D, PARATI III 1.9 D, SAVEIRO 1.6 D, SAVEIRO III 1.9 D, TRANSPORTER DIESEL **VOLVO** 850 2.5 GLT, 850 2.5 TURBO, 850 T5, C70 T5 COUPÉ, S40 1.8 16V, S40 2.0 16V, S40 2.0 16V TURBO, S40 T4, S70 2.3, S70 2.5 20V, S70 T5, V40 1.8 16V, V70 2.3, V70 2.5 20V, V70 T5

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-126	BOSCH - WAPSA	12V	5,0 x 16,0 x 13,0	

Nº ORIGINAL

Nº DO ARRANQUE

0001108076, 0001108094, 0001108099, 0001108168

APLICAÇÕES

OBSERVAÇÕES Para motor de partida Bosch c/ saída para a esquerda. **FIAT** TEMPRA 2.0 I.E. SW, TIPO 1.8.I.E, TIPO 2.0 I.E. 16V **LADA** SAMARA COM MOTOR 1.5, SAMARA COM MOTOR 1.3, ZHIGULI **VOLKSWAGEN** GOLF 1.8, GOLF II 1.8, PASSAT IMPORTADO 2.0

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-128	BOSCH - WAPSA	12V	6,0 x 18,0 x 14,5	

Nº ORIGINAL

Nº DO ARRANQUE

0001108182, 0001110003, 0001110026, 0001110095

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal, com saída para lado direito. **RENAULT** CLIO 1.0 I 8V, CLIO 1.6 I, EXPRESS, EXTRA, NOVO SCÉNIC, RAPID 1.6, RAPID 1.7

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-129	BOSCH - WAPSA	12V	6,0 x 18,0 x 14,5	

Nº ORIGINAL

Nº DO ARRANQUE

0001109014, 0001109021, 0001109036, 0001109040, 0001110011, 0001110017, 0001110025, 0001110029, 0001110030, 0001110041, 0001110063, 0001110079, 0001110100, 0001110104, 0001110106, 0001110107, 0001110120, 0001124015, F000AL0131, F010AL0101

APLICAÇÕES

OBSERVAÇÕES Para motor de partida com terminal, com saída para lado direito. **AUDI** 80 1.9 DIESEL, 80 1.9 TDI, A6 1.9 TDI, A6 1.9 TDI AVANT, A6 4.2 V8 QUATTRO, A8 4.2 QUATTRO, S6 4.2, S8 4.2 QUATTRO **BMW** M5 3.8 TOURING **FIAT** DUNA 1.7 DIESEL, DUNA WEEKEND 1.7 DIESEL **FORD** COURIER 1.8 DIESEL, ESCORT 1.8 DIESEL, ESCORT 1.8 TURBO DIESEL, MONDEO 1.8 TURBO DIESEL **JAGUAR** XJ6 4.0 **LAND ROVER** DEFENDER 3.5 V8, DISCOVERY 3.9I V9, DISCOVERY 4.0I V8, RANGE ROVER 3.5I, RANGE ROVER 3.9I, RANGE ROVER 4.0I V8, RANGE ROVER 4.2, RANGE ROVER 4.6I V8 **MERCEDES-BENZ** SPRINTER 312 D, SPRINTER 410 D **PEUGEOT** 306 1.9 DIESEL, 405 1.9 DIESEL **PORSCHE** BOXSTER 2.5I **RENAULT** SAFRANE 2.2I **VOLKSWAGEN** PASSAT 2.5 TDI **VOLVO** 850 2.5 GLT, 960 3.0

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-103-N-3MM	BOSCH - WAPSA	12V	8,8 x 19,1 x 13,0	

Nº ORIGINAL

F000AL9002,F000AL9547

Nº DO ARRANQUE

APLICAÇÕES

CLARK EMPILHADEIRA **DIVERSAS** WILLYS **FORD** DODGE, F-1000, F-350, F-600, GALAXIE, PICK UP RURAL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-108-N-3MM	BOSCH - WAPSA	12V	8,8 x 19,1 x 13,0	

Nº ORIGINAL

F000AL9001

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS CBT, DEUTZ, MERCEDES-BENZ, PERKINS, TOYOTA **FORD** TRAROR 8BR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-210-12V	BOSCH - WAPSA	12V	4,5 x 8,7 x 10,5	

Nº ORIGINAL

Nº DO ARRANQUE

51888975, F000CD0800, F000CD0900

APLICAÇÕES

CHEVROLET-GM MONTANA **FIAT** BRAVO COM MOTOR ETORQ, DOBLO COM MOTOR ETORQ, FIORINO 1.3 FIRE, IDEA COM MOTOR ETORQ, PUNTO COM MOTOR ETORQ, STRADA 1.4 COM MOTOR ETORQ, STRADA 1.6 COM MOTOR ETORQ, UNO NOVO COM MOTOR ETORQ **VOLKSWAGEN** GOL G5, VOYAGE 1.0, VOYAGE 1.6

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/11	BOSCH - WAPSA	12V	8,8 x 19,1 x 13,0	

Nº ORIGINAL

F000AL9563

Nº DO ARRANQUE

9000453016, 9000453038, 9000453043, 9000453045, 9000453049, 9000453051, 9000453052, F000AL9552, F000AL9563

APLICAÇÕES

CASE RETROESCAVADEIRA 580H **CBT** TRATOR 1000 **HYSTER** EMPILHADEIRA (C/ MOTOR GM2500 4 CIL.), EMPILHADEIRA (C/ MOTOR GM4100 6 CIL.) **MASSEY FERGUSON** COLHEITADEIRA MF220, TRATOR MF235, TRATOR MF250, TRATOR MF265, TRATOR MF275, TRATOR MF283, TRATOR MF285, TRATOR MF290, TRATOR MF50X, TRATOR MF5300, TRATOR MF5310, TRATOR MF55X, TRATOR MF65R, TRATOR MF65X, TRATOR MF85X

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/11 POSITIVA	BOSCH - WAPSA	12V	8,8 x 19,1 x 13,0	

Nº ORIGINAL

F000AL9563

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS FORD, SCANIA **MERCEDES-BENZ** TODOS **PERKINS** NOVO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/13	BOSCH - WAPSA	12V	8,8 x 19,1 x 21,0	

Nº ORIGINAL

F000AL9544,F000AL9558

Nº DO ARRANQUE

9000453020, 9000453027, 9000453033, 9000453034, 9000453041, 9000453044, 9000453046, 9000453047, 9000453050, 9000453053, 9000453054, 9000453060, 9000453061, 9001453544, F000AL9544, F000AL9558

APLICAÇÕES

OBSERVAÇÕES Escova para soldar na bobina. **CASE** PÁ CARREGADEIRA W7, RETROESCAVADEIRA 580 CK, RETROESCAVADEIRA 580 E **CBT** TRATOR 1090, TRATOR 1100 **CHEVROLET-GM** CAMINHÕES A60, CAMINHÕES A70, CAMINHÕES A80, CAMINHÕES A90 **CLARK** EMPILHADEIRA C300 HY40, EMPILHADEIRA C300 HY50, EMPILHADEIRA C300 HY60, TRATOR MICHIGAN 75A, TRATOR MICHIGAN 75II, TRATOR MICHIGAN 75III **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250ª **FIAT-ALLIS** RETROESCAVADEIRA FB80.2 **FORD** CAMINHÕES CARGO 1113, CAMINHÕES CARGO 1313, CAMINHÕES F11000, CAMINHÕES F12000, CAMINHÕES F13000, CAMINHÕES F19000, CAMINHÕES F2000 CAMINHÕES F21000, CAMINHÕES F22000, CAMINHÕES F4000, CAMINHÕES F7000, TRATOR 4600, TRATOR 5600, TRATOR 6600 **HYSTER** EMPILHADEIRAS **MASSEY FERGUSON** TRATOR DE ESTEIRAS MF3366, TRATOR MF295/4, TRATOR MF296, TRATOR MF296/4, TRATOR MF95I, TRATOR MF95X **NEW HOLLAND** TRATOR 4630, TRATOR 5030, TRATOR 5630, TRATOR 6630, TRATOR 7630, TRATOR 7830 **VOLKSWAGEN** CAMINHÕES 11160, CAMINHÕES 12140 H, CAMINHÕES 22160, CAMINHÕES 7110 S, CAMINHÕES 7140, CAMINHÕES 790 S

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/13 ESPECIAL	BOSCH - WAPSA	12V	8,8 x 19,1 x 21,0	

Nº ORIGINAL

F000AL9544,F000AL9558

Nº DO ARRANQUE

9000453020, 9000453027, 9000453033, 9000453034, 9000453041, 9000453044, 9000453046, 9000453047, 9000453050, 9000453053, 9000453054, 9000453060, 9000453061, 9001453544, F000AL9544, F000AL9558

APLICAÇÕES

OBSERVAÇÕES Escova com terminal e parafuso. **CASE** PÁ CARREGADEIRA W7, RETROESCAVADEIRA 580 CK, RETROESCAVADEIRA 580 E **CBT** TRATOR 1090, TRATOR 1100 **CHEVROLET-GM** CAMINHÕES, CAMINHÕES 11160, CAMINHÕES 12140 H, CAMINHÕES 22160, CAMINHÕES 7110 S, CAMINHÕES 7140, CAMINHÕES 790 S, CAMINHÕES A60, CAMINHÕES A70, CAMINHÕES A80, CAMINHÕES A90 **CLARK** EMPILHADEIRA C300 HY40, EMPILHADEIRA C300 HY50, EMPILHADEIRA C300 HY60, TRATOR MICHIGAN 75A, TRATOR MICHIGAN 75II, TRATOR MICHIGAN 75III **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250ª **FIAT-ALLIS** RETROESCAVADEIRA FB80.2 **FORD** CAMINHÕES CARGO 1113 CAMINHÕES CARGO 1313, CAMINHÕES F11000, CAMINHÕES F12000, CAMINHÕES F13000, CAMINHÕES F19000, CAMINHÕES F2000, CAMINHÕES F21000, CAMINHÕES F22000, CAMINHÕES F4000 CAMINHÕES F7000, TRATOR 4600, TRATOR 5600, TRATOR 6600 **HYSTER** EMPILHADEIRAS **MASSEY FERGUSON** TRATOR DE ESTEIRAS MF3366, TRATOR MF295/4, TRATOR MF296, TRATOR MF296/4, TRATOR MF95I, TRATOR MF95X **NEW HOLLAND** TRATOR 4630, TRATOR 5030, TRATOR 5630, TRATOR 6630, TRATOR 7630, TRATOR 7830

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/13 ESPECIAL POSITIVA	BOSCH - WAPSA	12V	8,8 x 19,1 x 21,0	

Nº ORIGINAL

F000AL9544,F000AL9558

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Detroit: Diesel, escova para parafusar na bobina. **CBT** 2400 **CLARK** TRATOR **DETROIT** DIESEL **DIVERSAS** CASE, FORD, GM, MASSEY FERGUSON, VALMET **DODGE** TRATOR **FORD** F-4000 **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/13 POSITIVA	BOSCH - WAPSA	12V	8,8 x 19,1 x 21,0	

Nº ORIGINAL
F000AL9544,F000AL9558

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Escova para soldar na bobina. **CASE** TRATORES **CBS** TRATOR 2400 **DIVERSAS** CLARK, DODGE, GM;, MASSEY FERGUSON, VOLMET **FORD** F-4000 **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/15 ESPECIAL	BOSCH - WAPSA	12V	8,8 x 19,1 x 17,5	

Nº ORIGINAL
F000AL9003,F000AL9544,F000AL9558

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Para coletor recondicionado **CB** TRATOR 2400 **DETROIT** DIESEL PARA COLETORES COM DIÂMETRO EXTERNO MAIOR **DIVERSAS** CASE, CLARK, GM, MASSEY, VALMET **DODGE** TRATOR **FORD** F-4000 **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/15 ESPECIAL POSITIVA	BOSCH - WAPSA	12V	8,8 x 19,1 x 17,5	

Nº ORIGINAL
F000AL9003

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Para coletor recondicionado. **CB** TRATOR 2400 **DETROIT** DIESEL PARA COLETORES COM DIÂMETRO EXTERNO MAIOR **DIVERSAS** CASE, CLARK, GM, MASSEY, VALMET **DODGE** TRATOR **FORD** F-4000 **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/16	BOSCH - WAPSA	12V	7,0 x 10,0 x 17,0	

Nº ORIGINAL
F000AL9342

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM CHEVETTE 1.0, CHEVETTE 1.4, CHEVETTE 1.6, CHEVETTE 1.6 S, CHEVETTE HATCH 1.4, CHEVETTE HATCH 1.6, CHEVY 500 1.6, CHEVY 500 1.6 S, MARAJÓ 1.4, MARAJÓ 1.6 **FIAT** 147 1050, 147 1300, OGGI 1300, PANORAMA, SPAZIO **FORD** BELINA II 1.6, CORCEL II 1.6, ESCORTE A ÁLCOOL **TIETÊ** MOTOR ESTACIONÁRIO RD900, MOTOR ESTACIONÁRIO RD900L, MOTOR ESTACIONÁRIO RD950, MOTOR ESTACIONÁRIO RD950L **VOLKSWAGEN** BRASÍLIA 1.3, BRASÍLIA 1.6, FUSCA 1.3, FUSCA 1.5, FUSCA 1.6, GOL 1.3, GOL COM MOTOR 1.8 ÁLCOOL, GOL COM MOTOR 1.8 GASOLINA, KARMANN GHIA 1.5, KARMANN GHIA 1.6, PASSAT 1.5, PASSAT 1.6, SANTANA1.8 REFRIGERADO A ÁGUA, VARIANT II 1.3, VARIANT II 1.6

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/2	BOSCH - WAPSA	12V	7,0 x 10,0 x 17,0	

Nº ORIGINAL

F000AL9335

Nº DO ARRANQUE

9000451003, 9000451010, 9000451011, 9000451012, 9000451017, F000AL9335, MWB19

APLICAÇÕES

FORD ESCORT (C/ TRANSMISSÃO AUTOMÁTICA E ÁLCOOL) **VOLKSWAGEN** GOL 1.6 (C/ REFRIG. A ÁGUA), GOL CI (C/ REFRIG. A ÁGUA), GOL GI (C/ REFRIG. A ÁGUA), PARATI C (C/ REFRIG. A ÁGUA), PARATI CL (C/ REFRIG. A ÁGUA), PARATI GL (C/ REFRIG. A ÁGUA), PASSAT 1.5 (C/ REFRIG. A ÁGUA), PASSAT 1.6 (C/ REFRIG. A ÁGUA), PASSAT GTS (C/ REFRIG. A ÁGUA), SAVEIRO 1.6GL (C/ REFRIG. A ÁGUA), SAVEIRO CL (C/ REFRIG. A ÁGUA), VOYAGE 1.6 (C/ REFRIG. A ÁGUA), VOYAGE CL (C/ REFRIG. A ÁGUA), VOYAGE GL (C/ REFRIG. A ÁGUA)

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/21-12V	BOSCH - WAPSA	12V	9,0 x 36,0 x 18,0	

Nº ORIGINAL

2007014072

Nº DO ARRANQUE

0001370001, 0001370002, 0001370003, 0001370004, 2007014072, 87HLL11001AA, 9000453029, 9000453065, 9000453066, 9000453067, 9000453068

APLICAÇÕES

CASE PÁ CARREGADEIRA W36 B TURBO **FORD** CAMINHÕES CARGO 2324, CAMINHÕES CARGO 3224 ATAC, CAMINHÕES CARGO C 4030, CAMINHÕES COM MOTOR 7.8 LITROS, CAMINHÕES F7000 **MERCEDES-BENZ** CAMINHÕES, CAMINHÕES 1625 L, CAMINHÕES 1630, CAMINHÕES 1825, CAMINHÕES 1825 LG, CAMINHÕES 2325 L, CAMINHÕES 2325 LB, CAMINHÕES 2325 LK **VOLKSWAGEN** CAMINHÕES 14170 COM MOTOR CUMMINS, CAMINHÕES 14210 COM MOTOR CUMMINS, CAMINHÕES 16170 COM MOTOR CUMMINS, CAMINHÕES 16210 COM MOTOR CUMMINS, CAMINHÕES 16220 COM MOTOR CUMMINS, CAMINHÕES 24220 COM MOTOR CUMMINS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/21-24V	BOSCH - WAPSA	24V	9,0 x 36,0 x 18,0	JE

Nº ORIGINAL

9001453644,2007014082

Nº DO ARRANQUE

APLICAÇÕES

FORD CAMINHÃO COM MOTOR 7.8 LITRO MOTOR DE PARTIDA JE-24V **MERCEDES-BENZ** CAMINHÃO 1625, CAMINHÃO 1630, CAMINHÃO 1825, CAMINHÃO 2325 **NEW HOLLAND** MOTOR HTA 7.8, MOTOR TC 7.8, MOTOR TCP 7.8 **VOLKSWAGEN** CAMINHÃO 14170, CAMINHÃO 14210, CAMINHÃO 16170, CAMINHÃO 16210, CAMINHÃO 16220, CAMINHÃO 24220

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/9	BOSCH - WAPSA	12V	8,8 x 19,1 x 13,0	

Nº ORIGINAL

F000AL9552

Nº DO ARRANQUE

APLICAÇÕES

FORD CAMINHÕES E TRATORES COM MOTORES PERKINS 4CIL.- FNM, DIESEL ANO 70 ATÉ 72

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/EMP-12V	BOSCH - WAPSA	12V	8,8 x 19,0 x 22,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS EMPILHADEIRAS, PLATAFORMAS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-213/EMP-24V	BOSCH - WAPSA	24V	8,8 x 19,0 x 22,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS EMPILHADEIRAS, PLATAFORMAS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-28-171/173	BOSCH - WAPSA	12V	7,0 x 10,0 x 18,0	

Nº ORIGINAL

2007014031,9004082190

Nº DO ARRANQUE

0001211210, 9000082009, 9000082021, 9000082023, 9000082024, 9000082025, 9000082028, 9000082030, 9000082031, 9000082032, 9000082033, 9000082034, 9000082035, 9000082039, 9000082040, 9000082041, 9000082042, 9000082043, 9000082045, 9000082046, 9000082047, 9000082048, 9000082049, 9000082050, 9000082051, 9000082053, 9000082054, 9000082055, 9000082058, 9000082059, 9000082061, 9000082062, 9000082063, 9000082064, 9000082065, 9000082066, 9000082069, 9000082070, 9000082072, 9000082073, 9000082074, 9000082076, 9000082077, 9000082078, 9000082079, 9000082081, 9000082082, 9000082083

APLICAÇÕES

CHEVROLET-GM CHEVETTE 1.0, CHEVETTE 1.4, CHEVETTE 1.6, CHEVETTE 1.6 S, CHEVETTE HATCH 1.4, CHEVETTE HATCH 1.6, CHEVY 500 1.6, CHEVY 500 1.6 S, MARAJÓ 1.4, MARAJÓ 1.6, MARAJÓ 1.6 S **FIAT** 147 1050, 147 1300, OGGI 1300 SÉRIES, PANORAMA, SPAZIO **FORD** BELINA II 1.6, CORCEL II 1.6 **TIETÊ** MOTOR ESTACIONÁRIO RD900, MOTOR ESTACIONÁRIO RD900L, MOTOR ESTACIONÁRIO RD950, MOTOR ESTACIONÁRIO RD950L **VOLKSWAGEN** BRASÍLIA 1.3, BRASÍLIA 1.6, FUSCA 1.3, FUSCA 1.5, FUSCA 1.6, GOL 1.3, KARMANN GHIA 1.5, KARMANN GHIA 1.6, PASSAT 1.5, PASSAT 1.6, VARIANT II 1.3, VARIANT II 1.6

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-03	DELCO-REMY	12V	5,0 x 15,0 x 13,0	PG260D

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Todos com DOHC / SOHC II com motores 1.8, 2.0, 2.2L 8V / 16V. **CHEVROLET-GM** ASTRA, BLAZER, S10, VECTRA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-140	DELCO-REMY	12V	5,0 x 16,0 x 13,0	PG150/PMGR/PG260G

Nº ORIGINAL

Nº DO ARRANQUE

9000871

APLICAÇÕES

DIVERSAS GM

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-140-C	DELCO-REMY	12V	5,0 x 16,0 x 13,0	PG260G

Nº ORIGINAL

Nº DO ARRANQUE

9000871

APLICAÇÕES

OBSERVAÇÕES Motores Bosch todos 1.8, 2.0, 2.2 8V após março de 2001. **CHEVROLET-GM** ASTRA, BLAZER, S-10, VECTRA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-142	DELCO-REMY	12V	6,0 x 19,0 x 15,9	PG260MQ-PMGR

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM BLAZER, S10 COM MOTOR VORTEX V6 4.3L

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-153-12V	DELCO-REMY	12V	8,0 x 25,0 x 18,0	29MT

Nº ORIGINAL

Nº DO ARRANQUE

19011040, 19011400, 19011403, 19011407, 82000010, 82000011

APLICAÇÕES

FORD F-650, F-750 COM MOTOR CUMMINS ISB 5.9L **INTERNATIONAL** 3000-3900, 4000-4900 IHC VT365

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-153-24V	DELCO-REMY	24V	8,0 x 25,0 x 18,0	29MT

Nº ORIGINAL

Nº DO ARRANQUE

19011400, 19011403, 19011407, 19011409, 82000010, 82000011

APLICAÇÕES

DIVERSAS 9L **FORD** F-650, F-750 COM MOTOR CUMMINS ISB 5 **INTERNATIONAL** SÉRIE 3000-3900, SÉRIE 4000-4900 IHC VT365

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-157/158	DELCO-REMY	12V	8,0 x 25,0 x 19,0	28MT

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

ASIA MOTORS BESTA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-173-12V	DELCO-REMY	12V	9,5 x 32,0 x 22,5	39MT

Nº ORIGINAL

Nº DO ARRANQUE

19011500, 19011514, 19011515, 19011516, 19011517, 19011518, 19011521, 19011522, 19011523, 19011524, 19011530, 19011531, 82000037

APLICAÇÕES

CATERPILLAR 3176, 3406 **CHEVROLET-GM** C10, C12 **FORD** F 7000, F 8000, F 9000, L6000 **INTERNATIONAL** 2574, 2575 **MACK** CH, CL, CT, CV, CX **VOLVO** AC L42, AC L64

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-173-24V	DELCO-REMY	24V	9,5 x 32,0 x 22,5	39MT

Nº ORIGINAL

Nº DO ARRANQUE

19011500, 19011514, 19011515, 19011516, 19011517, 19011518, 19011521, 19011522, 19011523, 19011524, 19011530, 19011531, 82000037

APLICAÇÕES

CATERPILLAR 3176, 3406 **CHEVROLET-GM** C10, C12 **FORD** F 7000, F 8000, F 9000, L6000 **INTERNATIONAL** CAINHÃO 2574, CAMINHÃO 2575 **MACK** SÉRIE CH, SÉRIE CL, SÉRIE CT, SÉRIE CV, SÉRIE CX **VOLVO** AC L42, AC L64

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-175/176-12V	DELCO-REMY	12V	9,5 x 28,0 x 22,0	38MT

Nº ORIGINAL

10529637

Nº DO ARRANQUE

19026027, 19026028, 19026029, 82000005, 82000076

APLICAÇÕES

FORD F 600, F 700, F 7000, F 800, F 8000, F 900, F 9000 C/ MOTOR CUMMINS 8.3L - 504, L6000

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-175/176-24V	DELCO-REMY	24V	9,5 x 28,0 x 22,0	38MT

Nº ORIGINAL

Nº DO ARRANQUE

19026032, 82000000, 82000024, 82000072, 82000078

APLICAÇÕES

FORD CAMINHÃO F 600, CAMINHÃO F 700, CAMINHÃO F 800, CAMINHÃO F 900, F 7000 C/ MOTOR CUMMINS 8.3L - 504, F 8000 C/ MOTOR CUMMINS 8.3L - 504, F 9000 C/ MOTOR CUMMINS 8.3L - 504 L6000

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DX-419/420	DELCO-REMY	24V	8,0 x 25,0 x 19,0	28MT

Nº ORIGINAL

Nº DO ARRANQUE

10457119, 10457120

APLICAÇÕES

ASIA MOTORS BESTA **MERCEDES-BENZ** CAMINHÃO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-122	DELCO-REMY	12V	9,5 x 38,0 x 21,0	40MTTIPO400,450

Nº ORIGINAL

Nº DO ARRANQUE

1852884

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **CATERPILLAR** MÁQUINAS DIVERSAS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-122H	DELCO-REMY	24/32V	9,5 x 38,0 x 21,0	40MTTIPO400,450

Nº ORIGINAL

Nº DO ARRANQUE

1852883

APLICAÇÕES

CATERPILLAR MÁQUINAS DIVERSAS **CLARK** MÁQUINAS DIVERSAS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-124	DELCO-REMY	12V	8,0 x 38,0 x 21,5	50MTTIPO400

Nº ORIGINAL

Nº DO ARRANQUE

1852887

APLICAÇÕES

CATERPILLAR MÁQUINAS DIVERSAS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-124H	DELCO-REMY	24/64V	8,0 x 38,0 x 21,5	50MTTIPO400

Nº ORIGINAL

Nº DO ARRANQUE

1852888

APLICAÇÕES

CATERPILLAR MÁQUINAS DIVERSAS, MOTORES DIVERSOS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-134	DELCO-REMY	12V	10,7 x 36,7 x 25,0	42MT

Nº ORIGINAL

Nº DO ARRANQUE

10479260, 10514765, 10519505, 10519515, 1852892, 1989495, 1990352, 1990355, 1990379, 1990420, 1990483, 1990484, 1990489, 1990490, 1993795, 8200015

APLICAÇÕES

CAMECO COLHEITADEIRA CHT 2500B, COLHEITADEIRA CHW 2500B **CATERPILLAR** EMPILHADEIRA AH40 (C/ MOTOR 42MT), EMPILHADEIRA AH46 (C/ MOTOR 42MT), EMPILHADEIRA AH52 (C/ MOTOR 42MT), EMPILHADEIRA AH60 (C/ MOTOR 42MT), EMPILHADEIRA AM36 (C/ MOTOR 42MT), EMPILHADEIRA AM40 (C/ MOTOR 42MT), EMPILHADEIRA V160 (C/ MOTOR 42MT), EMPILHADEIRA V160B (C/ MOTOR 42MT), EMPILHADEIRA V180 (C/ MOTOR 42MT), EMPILHADEIRA V180B (C/ MOTOR 42MT), EMPILHADEIRA V200 (C/ MOTOR 42MT), EMPILHADEIRA V200B (C/ MOTOR 42MT), EMPILHADEIRA V225 (C/ MOTOR 42MT), EMPILHADEIRA V250 (C/ MOTOR 42MT), EMPILHADEIRA V250B (C/ MOTOR 42MT), EMPILHADEIRA V300 (C/ MOTOR 42MT), EMPILHADEIRA V300B (C/ MOTOR 42MT), EMPILHADEIRA V330B (C/ MOTOR 42MT), ESCAVADEIRA 320D (C/ MOTOR 42MT), MOTOR 1140 V8 (42MT), MOTOR 1145 V8 (42MT), MOTOR 1150 V8 (42MT), MOTOR 1160 V8 (42MT), MOTOR 1670 (42MT), MOTOR 1673 (42MT), MOTOR 1674 (42MT), MOTOR 1676 (42MT), MOTOR 3208 (42MT), MOTOR 3304 (42MT), MOTOR 3306 (42MT), MOTOR 3406 (42MT), MOTOR 3408 (42MT), MOTOR 3412 (42MT) **CHALLENGER** TRATOR DE ESTEIRAS 65 (C/ MOTOR 42MT), TRATOR DE ESTEIRAS 70 (C/ MOTOR 42MT) **CLARK** EMPILHADEIRA C400 (C/ MOTOR 42MT), EMPILHADEIRA C450 (C/ MOTOR 42MT), EMPILHADEIRA C500 (C/ MOTOR 42MT), EMPILHADEIRA C550 (C/ MOTOR 42MT), EMPILHADEIRA C650 (C/ MOTOR 42MT), MOTONIVELADORA 301 (C/ MOTOR 42MT), MOTONIVELADORA 501 (C/ MOTOR 42MT), PÁ CARREGADEIRA 101 (C/ MOTOR 42MT), PÁ CARREGADEIRA 125 (C/ MOTOR 42MT), PÁ CARREGADEIRA 125A (C/ MOTOR 42MT), PÁ CARREGADEIRA 125B (C/ MOTOR 42MT), PÁ CARREGADEIRA 125III (C/ MOTOR 42MT), PÁ CARREGADEIRA 175III (C/ MOTOR 42MT), PÁ CARREGADEIRA 275 (C/ MOTOR 42MT), PÁ CARREGADEIRA 45C (C/ MOTOR 42MT), PÁ CARREGADEIRA 55B (C/ MOTOR 42MT), PÁ CARREGADEIRA 55C (C/ MOTOR 42MT), PÁ CARREGADEIRA 55IIIA (C/ MOTOR 42MT), PÁ CARREGADEIRA 75B (C/ MOTOR 42MT), PÁ CARREGADEIRA 75C (C/ MOTOR 42MT), PÁ CARREGADEIRA 75III (C/ MOTOR 42MT), PÁ CARREGADEIRA 75IV (C/ MOTOR 42MT), PÁ CARREGADEIRA 85A (C/ MOTOR 42MT), PÁ CARREGADEIRA 85CIIIA (C/ MOTOR 42MT), PÁ CARREGADEIRA 85III (C/ MOTOR 42MT) **CUMMINS** MOTOR 855 V8.3L (42MT), MOTOR 855 V9.1L (42MT), MOTOR L10 V8.3L (42MT), MOTOR L10 V9.1L (42MT), MOTOR L14 V8.3L (42MT), MOTOR L14 V9.1L (42MT) **DYNAPAC** MÁQUINAS DIVERSAS (C/ MOTORES CUMMINS 8.3L) **HYSTER** EMPILHADEIRA H150 (C/ MOTOR 42MT), EMPILHADEIRA H150E (C/ MOTOR 42MT), EMPILHADEIRA H165 (C/ MOTOR 42MT), EMPILHADEIRA H165E (C/ MOTOR 42MT), EMPILHADEIRA H180 (C/ MOTOR 42MT), EMPILHADEIRA H180E (C/ MOTOR 42MT), EMPILHADEIRA H200 (C/ MOTOR 42MT), EMPILHADEIRA H200E (C/ MOTOR 42MT), EMPILHADEIRA H200ES (C/ MOTOR 42MT), EMPILHADEIRA H225 (C/ MOTOR 42MT), EMPILHADEIRA H225E (C/ MOTOR 42MT), EMPILHADEIRA H250A (C/ MOTOR 42MT), EMPILHADEIRA H250E (C/ MOTOR 42MT), EMPILHADEIRA H300 (C/ MOTOR 42MT), EMPILHADEIRA H360A (C/ MOTOR 42MT), EMPILHADEIRA H360AD (C/ MOTOR 42MT), EMPILHADEIRA H400A (C/ MOTOR 42MT), EMPILHADEIRA H400AD (C/ MOTOR 42MT), EMPILHADEIRA H460AD (C/ MOTOR 42MT), EMPILHADEIRA H700 (C/ MOTOR 42MT), EMPILHADEIRA H800A (C/ MOTOR 42MT), EMPILHADEIRA M500 (C/ MOTOR 42MT), EMPILHADEIRA M600 (C/ MOTOR 42MT), EMPILHADEIRA P125A (C/ MOTOR 42MT), EMPILHADEIRA P150A (C/ MOTOR 42MT), EMPILHADEIRA P165A (C/ MOTOR 42MT), EMPILHADEIRA P180A (C/ MOTOR 42MT) **MASSEY FERGUSON** COLHEITADEIRA MF34 (C/ MOTOR 42MT) **TEREX** EMPILHADEIRA 81SH (C/ MOTOR 42MT), EMPILHADEIRA 82SH (C/ MOTOR 42MT), EMPILHADEIRA 83SH (C/ MOTOR 42MT), EMPILHADEIRA 84SH (C/ MOTOR 42MT), RASPADOR (SCRAPER) S11E (C/ MOTOR 42MT), RASPADOR (SCRAPER) TS14 (C/ MOTOR 42MT), RASPADOR (SCRAPER) TS14B (C/ MOTOR 42MT), RASPADOR (SCRAPER) TTS14 (C/ MOTOR 42MT)

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-134H	DELCO-REMY	24V	10,7 x 36,7 x 25,0	42MT

Nº ORIGINAL

Nº DO ARRANQUE

10461024, 10461025, 10461030, 10461031, 10461043, 10461054, 10461068, 10478939, 10478942, 10478943, 10478944, 10478948, 10478979, 10478980, 10478998, 10479009, 10479010 10479022, 10479067, 10479072, 10479115, 1852894, 19080017, 1989496, 1990344, 1990357, 1990359, 1990360, 1990361, 1990364, 1990366, 1990367, 1990368, 1990373, 1990378, 1990382, 1990383, 1990388, 1990402, 1990411, 1990413, 1990414, 1990416, 1990418, 1990432, 1990436, 1990437, 1990447, 1990453, 1990454, 1990455, 1990456, 1990457, 1990459 1990460, 1990462, 1990463, 1990464, 1990474, 1990485, 1990491, 1990493, 1990497, 1993788, 1993796, 1993797, 1993802, 1993804, 1993805, 1993808, 1993810, 1993814, 1993815 1993822, 1993828, 1993833, 1993842, 1993924, 1993933, 1993936, 1993940, 1993941, 1993944, 1993945, 1993980, 1993993, 1993999

APLICAÇÕES

VOLKSWAGEN CAMINHÃO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-135	DELCO-REMY	12V	9,6 x 28,6 x 24,0	37MT

Nº ORIGINAL

Nº DO ARRANQUE

10456428, 10461001, 10461003, 10461004, 10461006, 10461008, 10461009, 10461010, 10461013, 10461039, 10461044, 10461066, 10461069, 10461084, 10461089, 10461108, 10461109 10461169, 10461171, 10461200, 10461205, 10461225, 10461227, 10461240, 10461273, 10461275, 10461279, 10461280, 10461282, 10461303, 10461316, 10461394, 10461416, 10461440 10461456, 10461496, 10461514, 10461718, 10478812, 10478818, 10478825, 10478831, 10478890, 10478926, 10478928, 10478957, 10478999, 10479015, 10479034, 10479035, 10479054 10479071, 10479098, 10479102, 10479106, 10479107, 10479109, 10479121, 10479135, 10479166, 10479176, 10479187, 10479206, 10479207, 10479226, 10479230, 10479242, 10479243 10479249, 10479250, 10479283, 10479300, 1852889, 1993850, 1993853, 1993854, 1993855, 1993869, 1993870, 1993871, 1993873, 1993874, 1993878, 1993879, 1993880, 1993881, 1993884, 1993886, 1993887, 1993891, 1993894, 1993928, 1993931, 1993950, 1993957, 1993958, 1993963, 1993964, 1993969, 1993979, 1993988, 1993994, 8200107, 8200251, 8300038 8300040

APLICAÇÕES

CATERPILLAR COLHEITADEIRA MT875 (C/ MOTOR 41MT 12V), MOTOR 3114 (C/ MOTOR 37MT 12V), MOTOR 3116 (C/ MOTOR 37MT 12V), MOTOR 3176 (C/ MOTOR 37MT 12V) **CHEVROLET-GM** CAMINHÕES 12170 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 14190 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 15190 (C/ MOTOR 37MT 12V CATERPILLAR), CAMINHÕES 16220 (C/ MOTOR 37MT 12V CATERPILLAR) **FORD** CAMINHÕES CARGO 1622 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 1630 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2422 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2425 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2622 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2630 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 2631 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 3222 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES CARGO 4030 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CARGO 2626 (C/ MOTOR CAMINHÕES 37MT 12V CUMMINS 8.3L) **MASSEY FERGUSON** TRATOR MF2360 (C/ MOTOR CUMMINS 41MT 12V) **MERCEDES-BENZ** CAMINHÕES 1625 L (C/ MOTOR 41MT 12V), CAMINHÕES 1825 LG (C/ MOTOR 41MT 12V), CAMINHÕES 2325 L (C/ MOTOR 41MT 12V), CAMINHÕES 2325 LB (C/ MOTOR 41MT 12V), CAMINHÕES 2325 LK (C/ MOTOR 41MT 12V) **VOLKSWAGEN** CAMINHÕES 17220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 17310 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 23210 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 23310 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 24220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26220 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26260 (C/ MOTOR 37MT 12V CUMMINS 8.3L), CAMINHÕES 26310 (C/ MOTOR 37MT 12V CUMMINS 8.3L)

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-135H	DELCO-REMY	24V	9,6 x 28,6 x 24,0	37MT/41MT

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

MERCEDES-BENZ CAMINHÃO **SCANIA** CAMINHÃO **VOLKSWAGEN** CAMINHÃO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-60	DELCO-REMY	12V	6,3 x 19,1 x 16,0	

Nº ORIGINAL

Nº DO ARRANQUE

10470767, 1107201, 1107619-895, 1108300-307, 1906945, 1906966

APLICAÇÕES

CASE TRATORES **CATERPILLAR** EMPILHADEIRAS **CHEVROLET-GM** BLAZER, C10, C20, OPALA ÁLCOOL 4 CIL., OPALA GASOLINA 6 CIL., VERANEIO **CLARK** EMPILHADEIRA C500 HY40, EMPILHADEIRA C500 HY45, EMPILHADEIRA C500 HY50, EMPILHADEIRA C500 HY55

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-70	DELCO-REMY	24V	9,5 x 19,0 x 19,2	

Nº ORIGINAL

Nº DO ARRANQUE

1906986

APLICAÇÕES

CHEVROLET-GM 60 ATÉ 67 **DIVERSAS** CATERPILLAR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-92	DELCO-REMY	24V	8,0 x 19,1 x 19,2	

Nº ORIGINAL

Nº DO ARRANQUE

1109961-98, 1906989

APLICAÇÕES

CATERPILLAR DIVERSOS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
NDSX-8216-12V	DENSO	12V	10,0 x 30,0 x 21,0	

Nº ORIGINAL

028530-1100

Nº DO ARRANQUE

0285301090, 0285301100, 1280000490, 1280000491, 1280000492, 1280002470, 1280002740, 1280003360, 1280003361, 1280004220, 1280004250, 1280004682, 1280004683, 1280004684, 1280004685, 1280004687, 1280004910, 1280005370, 1280005510, 1280005620, 1280005730, 1280005731, 1280005732, 1280005733, 2280000331, 2280000573, 2280000585, 2280000700, 2280000874, 2280002470, 2280002670, 2280002800, 2280003310, 2280003320, 2280003700, 2280005000, 2280005001, 2280005052, 2280005311, 2280005460, 2280005610, 2280005621, 2280005631, 2280005650, 2280005651, 2280005730, 2280005850, 2280006530, 2280006540, 2280006550, 2280006560, 2280006561, 2280006562, 2280006572, 2280007010, 2280007380, 2280007870, 2280008082, 2280008370, 2280008470, 2280009020, 2280009140, 2280009150, 2280009151, 2280009630, 2280009750, 2280009760, 4280002370, 4280002590, 4280002860, 4280003320, 4280003900, 4280004440, 4280005190, 4280006900, 4280006901

APLICAÇÕES

CASE COLHEITADEIRA 1620, COLHEITADEIRA 1822, COLHEITADEIRA 1844, COLHEITADEIRA 2055, COLHEITADEIRA 2144, COLHEITADEIRA 2155, COLHEITADEIRA 2166, COLHEITADEIRA 2188, COLHEITADEIRA 5088 8.8, COLHEITADEIRA 5088 8.9, COLHEITADEIRA 6088 8.9, COLHEITADEIRA 7088 8.9, TRATOR 1690, TRATOR 1896, TRATOR 2090, TRATOR 2094, TRATOR 2096, TRATOR 2290, TRATOR 2294, TRATOR 2366, TRATOR 2388, TRATOR 2390, TRATOR 2394, TRATOR 2399, TRATOR 2470, TRATOR 2590, TRATOR 2594, TRATOR 2670, TRATOR 2688, TRATOR 2799, TRATOR 2870, TRATOR 3294, TRATOR 3394, TRATOR 3594, TRATOR 4490, TRATOR 4494, TRATOR 4690, TRATOR 4694, TRATOR 4890, TRATOR 4894, TRATOR 4994, TRATOR 7110, TRATOR 7120, TRATOR 7130, TRATOR 7140, TRATOR 7210, TRATOR 7220, TRATOR 7230, TRATOR 7240, TRATOR 7250, TRATOR 8930, TRATOR 9110, TRATOR 9130, TRATOR 9210 8.3, TRATOR 9230 8.3, TRATOR 9240 8.3, TRATOR 9310 8.3, TRATOR 9330 8.3 **CATERPILLAR** MOTOR 3114, MOTOR 3116 **CUMMINS** MOTOR ISC 8.3 **ISUZU** CAMINHÕES NPR 3.9 **JOHN DEERE** COLHEITADEIRA 7180, COLHEITADEIRA 7250, COLHEITADEIRA 9540 6.8 WTS, COLHEITADEIRA 9560 8.1 WTS, COLHEITADEIRA 9580 8.1 WTS, COLHEITADEIRA 9640 8.1 WTS, COLHEITADEIRA 9660 8.1 WTS, COLHEITADEIRA 9680 8.1 WTS, COLHEITADEIRA DE CANA 3520, COLHEITADEIRA DE CANA CH570, COLHEITADEIRA DE CANA CH670, ESCAVADEIRA 350D, PÁ CARREGADEIRA 344J, PULVERIZADOR (GAFANHOTO) 4930, TRATOR 8110 8.1, TRATOR 8120 8.1, TRATOR 8210 8.1, TRATOR 8220 8.1, TRATOR 8310 8.1, TRATOR 8320 8.1, TRATOR 8410 8.1, TRATOR 8420 8.1, TRATOR 8520 8.1**NEW HOLLAND** TRATOR TG285

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
NDSX-8216-24V	DENSO	24V	10,0 x 30,0 x 21,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS CASE, CATERPILLAR, CUMMINS, ISUZU

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
NDSX-8225	DENSO	12V	8,0 x 25,0 x 15,0	OSGR

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS ALLIS-CHALMERS, CATERPILLAR, DODGE, GM, GMC, ISUZU, KOMATSU, KUBOTA, LEXUS, MITSUI-DEUTZ, THERMO KING, TOYOTA **KIA** MOTORS BESTA 2.7

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
NDSX-8226	DENSO	12V	7,0 x 25,0 x 16,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-SP-104	DENSO POONG SUNG	12V	8,0 x 25,0 x 20,0	

Nº ORIGINAL

28531-0632

Nº DO ARRANQUE

0280993560, 0280993570, 0285315650, 2814077090

APLICAÇÕES

ASIA MOTORS TOPIC **BOBCAT** MINI PÁ CARREGADEIRA 753, MINI PÁ CARREGADEIRA 773 **CASE** MINI PÁ CARREGADEIRA 1840, MINI PÁ CARREGADEIRA 1845 C, RETROESCAVADEIRA 580, RETROESCAVADEIRA 590 CK, RETROESCAVADEIRA 590 L **CLARK** MÁQUINAS DIVERSAS **DAIHATSU** CARROS DIVERSOS **DODGE** RAM 5.9 TURBO 2500, RAM 5.9 TURBO 3500 **HYUNDAI** CAMINHÕES, CAMINHÕES H100, CAMINHÕES HR **ISUZU** MOTOR 6BD1 **KIA** TOPIC **KOMATSU** PÁ CARREGADEIRA WA120 4B, PÁ CARREGADEIRA WA120 6B, PÁ CARREGADEIRA WA180 4B PÁ CARREGADEIRA WA180 6B, PÁ CARREGADEIRA WA250 4B, PÁ CARREGADEIRA WA250 6B, PÁ CARREGADEIRA WA253 4B, PÁ CARREGADEIRA WA253 6B**KUBOTA** MÁQUINAS DIVERSAS **TOYOTA** 4RUNNER 2.4 TD RS4 4WD, CROWN 2.2 DIESEL, EMPILHADEIRA 2FD100, EMPILHADEIRA 2FD115, EMPILHADEIRA 2FD135, EMPILHADEIRA 3FD, EMPILHADEIRA 5FD33, EMPILHADEIRA 5FD35, EMPILHADEIRA 5FD38, EMPILHADEIRA 5FD40, EMPILHADEIRA 5FD45, EMPILHADEIRA 5FD50, EMPILHADEIRA 5FD60, EMPILHADEIRA 5FD70, EMPILHADEIRA 5FDE35, EMPILHADEIRA FD100, HIACE 2.2 DIESEL, HIACE 2.4 DIESEL, HIACE 2.4 TD, HIACE 2.5 D, HILUX 2.4 DIESEL, HILUX 2.4 DIESEL 4WD, LAND CRUISER 2.4 DIESEL, LAND CRUISER 2.4 TD, LAND CRUISER 2.6 DIESEL, LAND CRUISER 3.0 D, LAND CRUISER 3.0 TD, LAND CRUISER 3.4 D, LAND CRUISER 4.2 DIESEL, LAND CRUISER 4.2 TD

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
JSX-35/36	FIAT	12V	7,0 x 13,0 x 17,5	

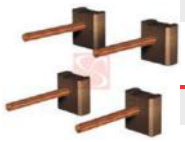
Nº ORIGINAL

Nº DO ARRANQUE

063101000010, 063101002010, 063201008010, 063222831010, 063222832010, 063222833010, 063222836010, 063222837010, 063222838010, 063222889010, 063222897010, 063222905010, 063223031010, 063223032010, 063223033010, 063223034010, 063223035010, 50246532, 50246648, 63223031, 63223032, 63223033, 63223034, 63223035, 63223304, 83221191, 83221201, 83221201E80, 83221241

APLICAÇÕES

FIAT 500 (CINQUECENTO) 0.9I.E, 600 (SEICENTO) 0.9, PALIO 1.6, SIENA 1.6, STRADA, TEMPRA 1.6I.E, TIPO 1.4, TIPO 1.4I.E, UNO 45 0.9, UNO 70 1.4I.E **SEAT** FURA 0.9, IBIZA 0.9, MARBELLA 0.8



REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-137	FIAT	12V	6,0 x 13,0 x 13,5	

Nº ORIGINAL

Nº DO ARRANQUE

1061458, 1063999, 1064000, 1067622, 1104965, 11049651120214, 1140757, 1151216, 1151642, 1197912, 1218885, 1229427, 1233234, 1233277, 1237323, 1250901, 12509011251700, 1254222, 1300504, 1325943, 1366473, 1366986, 1368970, 1379702, 1379703, 1386127, 1387091, 1465010, 1469712, 1473072, 1477482, 1477973, 1478129, 1S7U11000AB, 1S7U11000AC, 1S7U11000AD, 1S7U11000AE, 1S7U11000AF, 2S6U11000EA, 2S6U11000EB, 2S6U11000EC, 2S6U11000ED, 2S6U11000EE, 2S7T11000AA, 2T1411000AA, 2T1411000BA 2T1411000BB, 2T1411000BC, 2T1411000CA, 3M5T11000AB, 3M5T11000AC, 3M5T11000AD, 3M5T11000AE, 3M5T11000CB, 3M5T11000CC, 3M5T11000CD, 3M5T11000CE, 3M5T11000CF, 3S7T11000AC, 3S7T11000AD, 4443760, 4587107, 4635595, 4M5T11000AA, 4M5T11000AB, 4M5T11000AC, 4S4T11000AA, 6G9N11000AA, 6G9N11000AB, 6G9N11000BB 6G9N11000JA, 6G9N11000JB, 6S4T11000AA, 7177333, 71773331S7U11000AA, 7G9N11000AB, 7G9N11000AC, 96BB11000AA, 96BB11000AA96BB11000AB, 96FB11000MD, 96FB11000MG, 98AB11000CB, 98AB11000CC, 98AB11000CD, F7RU11000AA, R93BB11000AC, XS7U11000C4A, XS7U11000CB, YS4U11000AA, YS4U11000AB, YS4U11000BA, YS4U11000DA, YS4U11000DB

APLICAÇÕES

FORD CARROS B-MAX 1.6 TDCI, CARROS C-MAX 1.6 TDCI, CARROS C-MAX 1.6 TI, CARROS COURIER 1.5 TDCI, CARROS COURIER 1.6 TDCI, CARROS ESCORT VI 1.8I, CARROS FIESTA V 1.4 TDCI, CARROS FIESTA V 1.6 TDCI, CARROS FIESTA VI 1.4 TDCI, CARROS FOCUS 1.4, CARROS FOCUS 1.6, CARROS FOCUS 2.0, CARROS FOCUS 2.0I 16V, CARROS FUSION 1.4 TDCI, CARROS FUSION 1.6, CARROS GALAXY 2.0, CARROS GALAXY 2.3, CARROS KA 1.3, CARROS MAVERICK 2.3, CARROS MONDEO 1.6, CARROS MONDEO 1.8, CARROS MONDEO 2.0, CARROS MONDEO 2.0 TDCI, CARROS MONDEO 2.5, CARROS MONDEO 3.0, TDCI **JAGUAR** CARROS X-TYPE 2.1 V6, CARROS X-TYPE 2.5 V6, CARROS X-TYPE 3.0 V6 **MAZDA** CARROS 2 1.6 CD, CARROS 3 1.6 DI TURBO, CARROS CARROS 2 1.4 CD, CARROS TRIBUTE 2.3, CARROS TRIBUTE 3.0 V6 **VOLVO** CARROS C30 1.6, CARROS C30 1.8, CARROS C30 2.0, CARROS C30 2.5, CARROS C70 2.5, CARROS S40 1.6, CARROS S40 1.8, CARROS S60 2.4, CARROS S60 2.5, CARROS V40 2.0, CARROS V50 1.6, CARROS V70

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-069	FORD / MOTORCRAFT	12V	6,0 x 13,0 x 13,5	

Nº ORIGINAL

Nº DO ARRANQUE

96BB11000-AA7.119

APLICAÇÕES

FORD ESCORT ARGENTINO MOTOR DE PARTIDA 96BB 11000-AA 7.119 BI MOTORCRAFT, FIESTA, KA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-177	FORD / MOTORCRAFT	12V	5,0 x 13,0 x 12,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

ASIA MOTORS TOWNER **DIVERSAS** DAEWOO, EURO, FORD

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-217	FORD / MOTORCRAFT	12V	4,6 x 16,0 x 14,0	PMGR

Nº ORIGINAL

E90Z-11061-ABC

Nº DO ARRANQUE

E90F-11000-AA, E90F-11000-BA, E9SF-11000-AA, E9SF-11000-BA, F02F-11000AA, F07U-11000AA, F07U-11000BA, F0CF-11000AA, F0CF-11000BA, F0OU-11000AA, F13U-11000AA, F17U-11000AB, F1VU-11000AA

APLICAÇÕES

FORD EXPLORER 4.0L V6, F-250 - PICK UP 2.3L, RANGER, TAURUS 2.5L, TAURUS 3.0L V6

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-220	FORD / MOTORCRAFT	12V	4,6 x 16,0 x 14,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

FORD VAN WINDSTAR 97/98 - CONTOUR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-75	FORD / MOTORCRAFT	12V	8,5 x 19,0 x 18,0	

Nº ORIGINAL

Nº DO ARRANQUE

97BB11000BB, 98VB11000B1A, 98VB11000B3A, 98VB11000BA, AB98AB11000AC, BC97VB11000AA, F7RU11434BA

APLICAÇÕES

FORD COURIER, F-100, RANGER DIESEL, TRANSIT

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
HISX-8128	HITACHI	12V	4,5 x 14,0 x 17,0	

Nº ORIGINAL

S114-83125

Nº DO ARRANQUE

APLICAÇÕES

FORD ORION, VERONA C/ MOTOR AUDI 827 2.0 **PEUGEOT** PICK UP PEUGEOT GAS **VOLKSWAGEN** POINTER C/ MOTOR AUDI 827 2.0, POLO CLASSIC

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
HISX-8128-LONGA	HITACHI	12V	4,5 x 14,0 x 17,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

BMW 335 **DIVERSAS** ACURA, ISUZU, KOMATSU **NISSAN** SENTRA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IKSX-336-12V	ISKRA	12V	8,0 x 24,9 x 19,0	

Nº ORIGINAL

Nº DO ARRANQUE

11.130.567, 11.130.569, 11.130.619, 11.130.627, 11.130.692, 11.130.703, 11.130.704, 11.130.705, 11.130.706, 11.130.762, 11.130.799, 11.130.819, 11.130.820, 11.130.862, 11.130.863, 11.130.941, 11.130.998, 11.131.260, 11.131.300, 11.131.370, 11.131.430, 11.131.491, 11.131.507, 11.131.508, 11.131.542, 11.131.573, 11.131.798, 131.131.705

APLICAÇÕES

CASE MAGNUN 220, 2388, 2399, 240, 270 **COMBINE** CS 660 **CUMMINS** MOTORES 6CC **DIVERSAS** AGCO, BH-205I, PERKINS **MASSEY FERGUSON** MF- 7140, MF-275, MF-291, MF-297, MF-298, MF-299, MF-34, MF-6350, MF-6360, MF-650, MF-660, MF-680, MF-7080, MF-7150 MF-7170 **NEW HOLLAND** TC 57, TM 7010, TM 7040, TM702TM 7030, TS 6000 TS 6030, TS602, TS6040 **VALTRA** BH- 185I

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IKSX-752	ISKRA	12V	6,2 x 22,0 x 15,0	

Nº ORIGINAL

Nº DO ARRANQUE

11131063, 11131108, 11131109, 11131112, 11131116, 11131198, 11131221, 11131223, 11131279, 11131315, 11131384, 11131476, 11131477, 11131478, 11131515, 11131526, 11131535 11131556, 11131560, 11131570, 11131600, 11131603, 11131605, 11131606, 11131663, 11131696, 11131716, 11131731, 11131746, 11131750, 11131751, 11131967, 11131983, 11131984 11131985, 11131986, 11131989, 11132007, 11132010, 11132050, 11132051, 11132058, 11132059, 11132064, 11132067, 11132068, 11132077, 11132095, 11132101, 11132121, 11132127 11132128, 11132134, 11132144, 11132153, 11132154, 11132155, 11132159, AZE4122, AZE4123, AZE4125, AZE4215, AZE4217, AZE4221, AZE4222, AZE4224, AZE4225, AZE4226, AZE4227, AZE4230, AZE4233, AZE4234, AZE4238, AZE4239, AZE4240, AZE4244, AZE4534, AZE4535, AZE4536, AZE4540, AZE4557, AZE4566, AZE4573, AZE4579, AZE4589, AZE4603 AZE4620, AZE4648, AZE4649, AZE4653, AZE4654, AZE4655, AZE4656, AZE4660, AZE4663, AZE4667, AZE4668, AZE6513, AZE6514, AZE6515, AZE6524, AZE6526, AZE6530, AZE6531 AZE6537, AZE6544, AZE6554, AZE6555, AZE6556, AZE6557, AZE6558, AZE6559, AZE6562, AZE6563, AZE6567, AZE6572, D229-3, D229-4, D229-6, IS1456, TBD229-6, TD229-6

APLICAÇÕES

CUMMINS MOTOR 6BTVALTRA **DIVERSAS** MWM, NEW HOLLAND; TS6040, YANMAR **JOHN DEERE** COLHEITADEIRA 1032, COLHEITADEIRA 925, COLHEITADEIRA DE ALGODÃO 7440, MINI PÁ CARREGADEIRA 240, MINI PÁ CARREGADEIRA DE ESTEIRAS CT322, TRATOR 5210, TRATOR 5300 **NEW HOLLAND** TS6000, TS6030, TS8030

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IKSX-96-12V	ISKRA	12V	10,0 x 25,0 x 23,0	

Nº ORIGINAL

Nº DO ARRANQUE

063216817010, 063216818010, 063216831010, 063216852010, 063216861010, 063216884010, 063216896010, 11130567, 11130619, 11130627, 11130664, 11130679, 11130692, 11130695, 11130704, 11130705, 11130706, 11130707, 11130739, 11130748, 11130762, 11130785, 11130793, 11130819, 11130820, 11130836, 11130841, 11130862, 11130863, 11130904 11130941, 11130945, 11130971, 11130998, 11130999, 11131014, 11131060, 11131065, 11131077, 11131093, 11131145, 11131162, 11131167, 11131191, 11131228, 11131237, 11131260 11131300, 11131352, 11131370, 11131374, 11131375, 11131382, 11131411, 11131430, 11131436, 11131440, 11131464, 11131488, 11131490, 11131491, 11131507, 11131508, 11131520 11131542, 11131550, 11131573, 11131574, 11131575, 11131604, 11131611, 11131612, 11131613, 11131640, 11131658, 11131697, 11131705, 11131706, 11131709, 11131727, 11131763 11131782, 11131783, 11131784, 11131797, 11131798, 11131811, 11131829, 11131830, 11131839, 11131848, 11131883, 11131893, 11131896, 11131898, 11131900, 11131920, 11131929 11131930, 11131945, 11131965, 11132008, 11132009, 11132012, 11132045, 11132046, 11132047, 11132056, 11132062, 11132066, 11132069, 11132070, 11132073, 11132099, 11132104 11132118, 11132122, 11132149, 11132429, 803.11.300

APLICAÇÕES

ATLAS EMPILHADEIRA AS81, TRATOR AR51BE, TRATOR AR61A, TRATOR AR70, TRATOR AR81 **ATLAS COPCO** COMPRESSOR DE AR XAHS237, COMPRESSOR DE AR XAMS287, COMPRESSOR DE AR XAS186, COMPRESSOR DE AR XATS156 **BOBCAT** MINI PÁ CARREGADEIRA 641, MINI PÁ CARREGADEIRA 741, MINI PÁ CARREGADEIRA 843, MINI PÁ CARREGADEIRA 843B, MINI PÁ CARREGADEIRA 853, MINI PÁ CARREGADEIRA 853H, MINI PÁ CARREGADEIRA 863, MINI PÁ CARREGADEIRA 863C, MINI PÁ CARREGADEIRA 863F, MINI PÁ CARREGADEIRA 863HC, MINI PÁ CARREGADEIRA 863HF **BOMAG** COMPACTADOR (ROLO DE PNEUS) BW24 RH, COMPACTADOR (ROLO DE PNEUS) BW25 RH, COMPACTADOR (ROLO DE PNEUS) BW27 RH, PAVIMENTADORA DE ASFALTO BF800, ROLO COMPACTADOR BW141 AC, ROLO COMPACTADOR BW190 AD-4, ROLO COMPACTADOR BW190 AD-4 AM, ROLO COMPACTADOR BW202 AD-4, ROLO COMPACTADOR BW203 AD-4 ROLO COMPACTADOR BW203 AD-4 AM, ROLO COMPACTADOR BW211 D-40, ROLO COMPACTADOR BW212 D-40, ROLO COMPACTADOR BW213 D-40, ROLO COMPACTADOR BW216 D-40, ROLO COMPACTADOR BW216 PD-40, ROLO COMPACTADOR BW218 D-40 **CASE** COLHEITADEIRA 1620, COLHEITADEIRA 1640, COLHEITADEIRA 1644, COLHEITADEIRA 1666, COLHEITADEIRA 1668, COLHEITADEIRA 1670, COLHEITADEIRA 1680, COLHEITADEIRA 1688 **CATERPILLAR** COLHEITADEIRA CHALLENGER 652C, COLHEITADEIRA CHALLENGER 660B, COLHEITADEIRA CHALLENGER 670B COLHEITADEIRA CHALLENGER 672C, PULVERIZADOR (GAFANHOTO) CHALLENGER RG1100, PULVERIZADOR (GAFANHOTO) CHALLENGER RG1300, PULVERIZADOR (GAFANHOTO) CHALLENGER RG635B, PULVERIZADOR (GAFANHOTO) CHALLENGER RG645B, PULVERIZADOR (GAFANHOTO) CHALLENGER RG655B, TERRA-GATOR CHALLENGER 8333, TERRA-GATOR CHALLENGER TG845, TRATOR DE ESTEIRAS CHALLENGER MT665D, TRATOR DE ESTEIRAS CHALLENGER MT685D, TRATOR DE ESTEIRAS CHALLENGER MT745D, TRATOR DE ESTEIRAS CHALLENGER MT755D, TRATOR DE ESTEIRAS CHALLENGER MT755E, TRATOR DE ESTEIRAS CHALLENGER MT765D, TRATOR DE ESTEIRAS CHALLENGER MT765E, TRATOR DE ESTEIRAS CHALLENGER MT775E **CHALLENGER** COLHEITADEIRA 652C, COLHEITADEIRA 660B, COLHEITADEIRA 670B, COLHEITADEIRA 672C, PULVERIZADOR (GAFANHOTO) RG1300, PULVERIZADOR (GAFANHOTO) RG635B, TERRA-GATOR 8333, TRATOR DE ESTEIRAS MT755E, TRATOR DE ESTEIRAS MT765D **CUMMINS** MOTOR ISB **DEUTZ-FAHR** TRATORES **DOOSAN** MANIPULADOR TELESCÓPICO DT70 **FORD** TRATORES **JCB** ESCAVADEIRA 805, ESCAVADEIRA 806, ESCAVADEIRA 807, TRATOR FASTRAC 3200 **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, COLHEITADEIRA 1470, COLHEITADEIRA 1550, EMPILHADEIRA 485E, EMPILHADEIRA 486E, EMPILHADEIRA 488E, MANIPULADOR TELESCÓPICO 3415, MANIPULADOR TELESCÓPICO 3420, MOTOR 3029DF/TF, PÁ CARREGADEIRA 210LE, PÁ CARREGADEIRA 310E, RETROESCAVADEIRA 310SE, RETROESCAVADEIRA 310SG, TRATOR 4040, TRATOR 5038D, TRATOR 5055E, TRATOR 5060E**LIEBHERR** ESCAVADEIRA A901, ESCAVADEIRA A911, ESCAVADEIRA A921 **MASSEY FERGUSON** TRATOR MF291, TRATOR MF330, TRATOR MF435, TRATOR MF440, TRATOR MF8730 **NEW HOLLAND** COLHEITADEIRA CX720, COLHEITADEIRA CX740, COLHEITADEIRA CX760, COLHEITADEIRA CX780, COLHEITADEIRA CX820, COLHEITADEIRA CX840, TRATOR 3430, TRATOR 3930, TRATOR DE ESTEIRAS TK4050 **VALMET** TRATORES **VALTRA** COLHEITADEIRA BC4500, TRATOR 6200, TRATOR 6250, TRATOR 6300 **ZETOR** TRATOR 3520, TRATOR 3540, TRATOR 4712, TRATOR 4718, TRATOR 7211

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IKSX-96-24V	ISKRA	24V	10,0 x 25,0 x 23,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS ISKRA, VALMET, VALTRA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
KMSX-101/102	MANDO MITSUBISHI	12V	7,0 x 10,0 x 17,5	

Nº ORIGINAL

3EM0855D,3EM0894A

Nº DO ARRANQUE

APLICAÇÕES

ASIA MOTORS VAN TOWNER **HYUNDAI** ELANTRA 1.5L GLI, ELANTRA 1.5L GLSI, EXCELL, SONATA 1.8L GL, SONATA 1.8L GLI

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-001/002-12V	MITSUBISHI	12V	8,0 x 24,0 x 18,0	

Nº ORIGINAL

021660-0311

Nº DO ARRANQUE

APLICAÇÕES

CATERPILLAR ESCAVADEIRA 320C **FORD** E350, F250, F350, PICK-UP-7.3L DIESEL, VAN **MITSUBISHI** EMPILHADEIRA FD35D, EMPILHADEIRA FD35D2, EMPILHADEIRA FD35DS, EMPILHADEIRA FD38, EMPILHADEIRA FD40D, EMPILHADEIRA FD45D, EMPILHADEIRA FD50C, EMPILHADEIRA FD50D

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-001/002-24V	MITSUBISHI	24V	8,0 x 24,0 x 18,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS FORD, MITSUBISHI

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-1171-24V	MITSUBISHI	24V	8,0 x 30,0 x 18,0	

Nº ORIGINAL

Nº DO ARRANQUE

20430564, M9T61171

APLICAÇÕES

VOLKSWAGEN CONSTALLATION 25 370, VOLVO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-189-12V	MITSUBISHI	12V	7,0 x 12,0 x 17,0	

Nº ORIGINAL

Nº DO ARRANQUE

4G54G63B, 4G63BG54B, 54BG54B, 75G52BG54BG63BG53B, MD607420

APLICAÇÕES

CHEVROLET-GM S10 **DIVERSAS** AUDI, BOBCAT, CLARK, DODGE, FORD, MAZDA, PLYMOUTH, SUBARU, TOYOTA **MITSUBISHI** TRATOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-189-24V	MITSUBISHI	24V	7,0 x 12,0 x 16,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS BOBCAT, CLARK, TOYOTA **FIAT** TORO **MITSUBISHI** TRATOR **ONAN** GERADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-190-12V	MITSUBISHI	12V	6,8 x 18,0 x 18,0	

Nº ORIGINAL

Nº DO ARRANQUE

3446603100, 3446603101, 3446610103, 3446620101, 3446620102, 3610042010, 3610042011, 3610042050, 361004A000, 4DQ50C, 859924750, HQ808670, HSG120500, HSG120510, HSG232500, M002T54371, M002T54372, M002T54571, M002T54572, M002T54771, M002T54881, M002T54882, M002T56171, M002T56181, M002T56182, M002T56185, M002T56272, M002T56471, M002T56472, M002T56475, M002T57271, M002T57273, M002T57371, M002T57771, M002T57773, M002T61071, M002T61072, M002T61171, M002T61271, M002T62271, M002T62971, M002T63171, M002T63271, M002T65271, M002T65272, M002T66871, M002T66873, M002T67871, M002T67872, M002T67873, M002T67881, M002T67883, M002T67884, M002T74171, M002T80582, M002T90071, M002T92071A, M002T92172A, M2T54371, M2T54372, M2T54571, M2T54572, M2T54771, M2T54871, M2T54881, M2T54882, M2T56171, M2T56181, M2T56182, M2T56185, M2T56271, M2T56272, M2T56471, M2T56472, M2T56475, M2T57271, M2T57273, M2T57371, M2T57771, M2T57773, M2T57871, M2T57881, M2T60171 M2T60172, M2T60185, M2T60671, M2T61071, M2T61072, M2T61171, M2T61271, M2T61771, M2T62271, M2T62771, M2T62971, M2T63071, M2T63171, M2T63271, M2T63371, M2T64178 M2T64471, M2T65271, M2T65272, M2T65671, M2T66071, M2T66271, M2T66272, M2T66871, M2T66873, M2T67871, M2T67872, M2T67873, M2T67881, M2T67882, M2T67883, M2T67884 M2T67981, M2T69081, M2T69171, M2T69381, M2T74171, M2T74371, M2T78072A, M2T78072B, M2T78172A, M2T78571A, M2T78681, M2T78682, M2T80582, M2T86271, M2T90071, M2T92071A, M2T92172A, M2T95071, M3T10977, M648C15372, M648C15472, M648C26371, M648C28671, M648X28271, M8T77071, M8T77072, M8T77074, M8T77075, M8T87071, M8T87171, M8T87271, M8T87271A, M8T87371, M8T87371A, M8T87471, M8T87471A, MD050205, MD061154, MD069166, MD070934, MD140190, MD156986, MD156987, MD156988, MD156989, MD162975, MD164975, MD164976, MD164977, MD164978, MD177596, MD189996, MD191433, MD191434, MD191435, MD191436, MD191437, MD618460, ME001565, ME007536, ME007655, ME013391, ME017004, ME017034, ME017035, ME017036, ME017056, ME017061, ME017085, ME017088, ME017089, ME017628, ME017646, ME200206, ME700127, ME700140, MG120413, MG120416, MG120445, MG122202, MG122404, MG122433, MG232415, MM409415, OK71118400, OK71F18400B, TM000A06901, TM000A14901, TM000A18601, TM000A23601

APLICAÇÕES

CITROEN BERLINGO 1.8 D, BERLINGO 1.9 D, JUMPER 1.9 TD, JUMPER 2.2 HDI **CITROËN** BERLINGO 2.0 HDI, JUMPER 2.5 D **FIAT** DUCATO 1.9 D, DUCATO 1.9 TD, DUCATO 2.0 JTD **FORD** ECONOVAN 2.0 DIESEL **HYSTER** EMPILHADEIRAS **HYUNDAI** CAMINHÕES H100 2.5 DIESEL, GALLOPER 2.5 DIESEL INTERCOOLER, GALLOPER 2.5 TCI INTERCOOLER, GALLOPER 2.5 TD, GALLOPER 2.5 TD INTERCOOLER, GALLOPER 3.0 V6, H1 2.5 DIESEL, H1 2.5 TD, LANTRA 1.9 D, STAREX 2.5 TD 4WD, TERRACAN 2.5 TD **JCB** MINI TRATOR 335HST **JEEP** LIBERTY 2.4, WRANGLER 2.4 **KIA** BESTA 2.2 DIESEL, CAMINHÕES K2500 2.5 TCI, PREGIO 2.5 TCI, SPORTAGE 2.0 TD 4WD **MAZDA** 323 2.0 TD, 626 2.0 DIESEL, 626 2.0 TDDI **MITSUBISHI** COLT 1.8 DIESEL, COLT 2.0 DIESEL, EMPILHADEIRA FD20, EMPILHADEIRA FD23, EMPILHADEIRA FD25, EMPILHADEIRA FD28, EMPILHADEIRA FD30, GALANT 1.8 TD, GALANT 2.0 TD, GALANT 2.0 TDI, GALANT 2.3 TD, L200 2.5 DIESEL, L200 2.5 DIESEL 4WD, L200 2.5 TD 4WD, L300 2.3 DIESEL, L300 2.5 DIESEL, L300 2.5 TD 4WD, LANCER 2.0 DIESEL, LANCER 2.0 DIESEL GLX, PAJERO 2.3 TD, PAJERO 2.5 TD, SPACE RUNNER 2.0 TD GLX, SPACE WAGON 1.8 TD, SPACE WAGON 2.0 TD **MITSUBISHI FUSO** CAMINHÕES CANTER **NISSAN** LAUREL 2.8 D **PEUGEOT** 605 2.5 TD, BOXER 2.5 TD **SUZUKI** GRAND VITARA 2.0 TD INTERCOOLER **TEREX** ESCAVADEIRA HR16

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-190-24V	MITSUBISHI	24V	6,8 x 18,0 x 18,0	

Nº ORIGINAL

Nº DO ARRANQUE

4DQ50W, K4C-31N

APLICAÇÕES

DIVERSAS CASE, YALE **KUBOTA** MOTORES FRIGORÍFICOS **MITSUBISHI** CAMINHÃO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-8311	MITSUBISHI	12V	4,5 x 18,0 x 17,5	

Nº ORIGINAL

Nº DO ARRANQUE

M647C00371

APLICAÇÕES

JEEP CHEROKEE 4.0 6 CIL. DE 87 A 93 **MAZDA** RX7 1.3L COM MOTOR MPV 6L **SUBARU** COUPE, LEGACY 2.2L, SEDAN, WAGON

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-8312	MITSUBISHI	12V	4,5 x 12,0 x 17,5	

Nº ORIGINAL

Nº DO ARRANQUE

M647C00271

APLICAÇÕES

CHRYSLER NEON, STRATUS **MITSUBISHI** ECLIPSE 2.0L, GLANT 2.0L, GLANT 2.4L, MIRAGE 1.6L **NISSAN** PULSAR 1.6L, SENTRA, STANZA 2.0L **SUBARU** IMPREZA, XT COUPE 1.8L, XT COUPE 2.7L

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-8313	MITSUBISHI	12V	4,5 x 12,0 x 17,5	

Nº ORIGINAL

Nº DO ARRANQUE

M647C00871

APLICAÇÕES

CHRYSLER RAM 50 3.0L, RAYDER 3.0, STEALTH 3.0L **MITSUBISHI** 3000 GT V6, PAJERO 3.0L, PICK-UP 3.0, SIGMA 3.0L **NISSAN** EMPILHADEIRA OEM 2338-K9169

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-8317	MITSUBISHI	12V	4,5 x 18,0 x 17,5	

Nº ORIGINAL

Nº DO ARRANQUE

M1T75181

APLICAÇÕES

JEEP 1989/ 1998 **MAZDA** 1989/1998

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJSX-8326/0	MITSUBISHI	12V	4,5 x 12,0 x 11,7	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

CHRYSLER CONCORDE, PT CRUISER **CITROEN** C5 (2001-2004), PICASSO **DIVERSAS** GM, KIA MOTORS, NISSAN **DODGE** IN-TREPID 2.7L **HYSTER** EMPILHADEIRA FORKLIFT (1995-2005) **JEEP** CHEROKEE SPORT L6 4.0 XJ, WRANGLER L6 4.0 TJ / YJ (1988-1998) **MITSUBISHI** MIRAGE 1.5L, MIRAGE 1.8L, MONTERO 3.0L (2000-2003), MONTERO 3.5L (1999-2004), MONTERO 3.8L (2001-2002), PAJERO 3.0L (2000-2003), PAJERO 3.5L (1999-2004), PAJERO 3.8L (2001-2002) **PEUGEOT** 206 (1999-2004, 406 (1999-2004) **SUBARU** FOREST 2.5L, IMPREZA (1997-2003), OUTBACK 2.2L / 2.5L **SUZUKI** VITARA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-SP-103	MITSUBISHI POONG SUNG	12/24V	8,0 x 25,0 x 19,0	

Nº ORIGINAL

236300180

Nº DO ARRANQUE

23630.0110, 23630.0120, M648C24973

APLICAÇÕES

KIA MOTORS BESTA COM MOTOR 2.2 12V, BESTA COM MOTOR 2.2 24V

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-140/141	PARIS-RHONE	12V	9,0 x 18,0 x 22,0	D9R73

Nº ORIGINAL

Nº DO ARRANQUE

182051, 432538, 433256, 433310, 82TA, D9R105, D9R106, D9R118, D9R73, D9R89, D9R90, D9R91, D9R96, D9R99, LRS02017, LRS2017

APLICAÇÕES

DIVERSAS TRAFIC DIESEL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-140/141/0	PARIS-RHONE	12V	9,0 x 18,0 x 22,0	D9R73

Nº ORIGINAL

Nº DO ARRANQUE

182051, 432538, 433256, 433310, 82TA, D9R105, D9R106, D9R118, D9R73, D9R89, D9R90, D9R91, D9R96, D9R99, LRS02017, LRS2017

APLICAÇÕES

DIVERSAS TRAFIC DIESEL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-SP-102	POONG SUNG	12/24V	8,0 x 25,0 x 15,0	

Nº ORIGINAL

23630.0110,23630.0120

Nº DO ARRANQUE

APLICAÇÕES

KIA MOTORS BESTA COM MOTOR 2.7

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
ASX-11	PRESTOLITE - LUCAS INDIEL	12V	9,0 x 20,0 x 26,0	

Nº ORIGINAL

6068-8,6068-28

Nº DO ARRANQUE

35256007, 35257677, 5933-337, 6211-67, CA4512, CA45C12, CA45D12, CA45LC12, TAB148

APLICAÇÕES

CHEVROLET-GM PICK-UP DIESEL COM MOTOR MAXION **FORD** CAMINHÕES F7000, F250, F350, F600, F750, ÔNIBUS B7000 **JOHN DEERE** TRATOR 6300, TRATOR 6600, TRATOR 7500 **MASSEY FERGUSON** TRATOR 1095, TRATOR 1098, TRATOR 1195, TRATOR 1215 **MERCEDES-BENZ** CAMINHÃO 1114 L, CAMINHÃO 1215 L, CAMINHÃO 1615 L, CAMINHÃO 1620 L, CAMINHÃO 1622 L, CAMINHÃO 608 L D, CAMINHÃO 709 L, CAMINHÃO 710 L, CAMINHÃO 912 L, CAMINHÃO 913 L, ÔNIBUS O364, ÔNIBUS O371, ÔNIBUS OF1214, ÔNIBUS OF1320, ÔNIBUS OH1315, ÔNIBUS OH1316, ÔNIBUS OH1319, ÔNIBUS OH1419, ÔNIBUS OH1420 **PEUGEOT** PICK-UP 504 DIESEL **RENAULT** TRAFIC TA 12, TRAFIC TA 312, TRAFIC TA 352 DIESEL, TRAFIC TA 52 2.2

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
JSX-31/32	PRESTOLITE - LUCAS INDIEL	12V	8,0 x 19,0 x 18,0	E95R

Nº ORIGINAL

Nº DO ARRANQUE

063221831010, 063222030010, 063222031010, 063222034010, 063222035010, 063222036010, 063222038010, 063222039010, 063222130010, 063222131010, 063222133010, 063222134010, 063222135010, 063222136010, 063222138010, 063222204010, 063222206010, 35258490, 35258540, 35258580, 35258620, 35258660, 35258690, 35258710, 35258798, 35258820, 35258880, 35258910, 35258940, 35258950, 35258960, 35258970, 35258980, 35259030, 35259040, 35259050, 35259130, 35259140, 35259150, 35259170, 35259180, 35259210 35259270, 35259300, 35259310, 35259330, 35259390, 35259400, 35259430, 35259580, 35259590, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680 35259690, 35259710, 35259720, 35259750, 35259760, 35259870, 35259880, 35259890, 35259900, 35260828, 35260940, 35260950, 35261020, 35261070, 35261120, 35261155, 35261175 35261305, 352613553, 35261425, 35261760, 35261860, 35262580, 35262710, 5120765, 51270764, 5261360, 63221831, 63222030, 63222031, 63222034, 74894381, 74894391, 74899061 74899071

APLICAÇÕES

AGRALE CAMINHÃO 7500 C/ MOTOR MWM, CAMINHÃO 8000 C/ MOTOR MWM, CAMINHÃO 8500 C/ MOTOR MWM, CAMINHÃO 9200 C/ MOTOR MWM, TRATOR 5075, TRATOR 5075.4, TRATOR 5085, TRATOR 5085.4 **ALFA ROMEO** ALFA 145, ALFA 155, ALFA 156 2.4 JTD, ALFA 166 2.4 JTD, AR6 1.9 D **CHEVROLET-GM** BLAZER 2.5 C/ MOTOR MAXION HS, BLAZER 4.2 C/ MOTOR MWM, BLAZER 5.9 C/ MOTOR CUMMINS, C25 1.9 TD, D20 4.1 C/ MOTOR MAXION S4, D20 4.2 C/ MOTOR MWM, S10 2.5 C/ MOTOR MAXION HS, SILVERADO 4.2 C/ MOTOR MWM, SILVERADO C/ MOTOR MAXION S4 **CITROËN** CARROS **CUMMINS** MOTOR 6B 5.9, MOTOR 6BTAA 5.9, MOTOR B 5.9, MOTOR B 5.9 AFTERCOOLER, MOTOR B 5.9 ELETRÔNICO **FIAT** BRAVA 1.9 JTD, CROMA 1.9 TD, DUCATO 1.9 C/ MOTOR DIESEL, DUCATO 1.9 D, DUCATO 2.5 C/ MOTOR DIESEL, DUCATO 2.8 C/ MOTOR DIESEL, MAREA 2.4 JTD, MAREA 2.4 TD, MULTIPLA 1.9 JTD, PUNTO 1.9 JTD, REGATA 65 1.9 D, RITMO 1.9 TD, TEMPRA 1.9 D, TEMPRA 1.9 TD, TIPO 1.9 TD **FORD** CAMINHÃO CARGO 1217 C/ MOTOR CUMMINS, CAMINHÃO CARGO 1417 C/ MOTOR CUMMINS, CAMINHÃO CARGO 1421 C/ MOTOR CUMMINS, CAMINHÃO CARGO 1617 C/ MOTOR CUMMINS, CAMINHÃO CARGO 1621 C/ MOTOR CUMMINS, CAMINHÃO CARGO 1716 C/ MOTOR CUMMINS, CAMINHÃO CARGO 815 C/ MOTOR CUMMINS, CAMINHÃO F 12000 C/ MOTOR CUMMINS, CAMINHÃO F 14000 C/ MOTOR CUMMINS, CAMINHÃO F 14000 C/ MOTOR MWM, CAMINHÃO F 16000 C/ MOTOR CUMMINS, CAMINHÃO F 4000 C/ MOTOR MWM, CAMINHÃO F 7000 C/ MOTOR MWM, CAMINHÃO F4000 C/ MOTOR CUMMINS, F 100 3.9 C/ MOTOR CUMMINS, F 100 C/ MOTOR MWM, F 1000 2.5 C/ MOTOR MAXION HS, F 1000 3.9 C/ MOTOR CUMMINS, F 150 3.9 C/ MOTOR CUMMINS, F 150 C/ MOTOR MWM, F 250 C/ MOTOR MWM, F 350 C/ MOTOR CUMMINS, F 350 C/ MOTOR MWM, F 700, ÔNIBUS B7000, RANGER 2.5 C/ MOTOR MAXION HS, RANGER 2.8 C/ MOTOR MAXION HS, RANGER 3.0 DIESEL, TRANSIT DIESEL **IVECO** DAILY TURBO DIESEL **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, COLHEITADEIRA 1550, TRATOR 7500 **LAND ROVER** DEFENDER 2.5, DISCOVERY 2.5 **MASSEY FERGUSON** COLHEITADEIRA MF3640, COLHEITADEIRA MF5650, COLHEITADEIRA MF86HS, COLHEITADEIRA MF96, TRATOR MF250X, TRATOR MF265, TRATOR MF275, TRATOR MF283, TRATOR MF290, TRATOR MF292, TRATOR MF297, TRATOR MF299, TRATOR MF5285, TRATOR MF5290, TRATOR MF5300, TRATOR MF5310, TRATOR MF5320, TRATOR MF5575, TRATOR MF640, TRATOR MF650, TRATOR MF660, TRATOR MF680 **MERCEDES-BENZ** CAMINHÃO MB180D, SPRINTER 2.5 C/ MOTOR MAXION HS **NEW HOLLAND** TRATOR TL65E, TRATOR TL75E, TRATOR TL85E, TRATOR TL95E **PEUGEOT** 404, 504, 505 **VOLKSWAGEN** CAMINHÃO 13150 C/ MOTOR MWM, CAMINHÃO 13180 C/ MOTOR MWM, CAMINHÃO 13190 C/ MOTOR CUMMINS, CAMINHÃO 15180 C/ MOTOR MWM, CAMINHÃO 15190 C/ MOTOR CUMMINS, CAMINHÃO 17210 C/ MOTOR CUMMINS, CAMINHÃO 17210 C/ MOTOR MWM, CAMINHÃO 23210 C/ MOTOR CUMMINS, CAMINHÃO 23210 C/ MOTOR MWM, CAMINHÃO 710 C/ MOTOR MWM, CAMINHÃO 8120 C/ MOTOR MWM, CAMINHÃO 8150 C/ MOTOR MWM, CAMINHÃO B16210 C/ MOTOR MWM, CAMINHÃO B17210 OD C/ MOTOR MWM, CAMINHÃO B17240 OT C/ MOTOR MWM, CAMINHÃO B8150 OD C/ MOTOR MWM, CAMINHÃO B9150 OD C/ MOTOR MWM, ÔNIBUS

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
LASX-40/41	PRESTOLITE - LUCAS INDIEL	12V	11,1 x 8,3 x 15,9	

Nº ORIGINAL

54244848,60600056

Nº DO ARRANQUE

25137, 25204-7, 25270, 54265216, 54265217, M35J

APLICAÇÕES

CHEVROLET-GM APOLLO, GOL 1.6, GOL 1.8, LOGUS, SANTANA 2.0, VOYAGEM **FIAT** UNO 1.6 **FORD** ESCORT GUARUJÁ, ESCORT HOBBY, PAMPA AP, VERONA, VERSAILLES **RENAULT** FUEGO, R18, R19 COM MOTOR 2.2, R21 COM MOTOR 2.2, TRAFIC

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
LASX-43/44	PRESTOLITE - LUCAS INDIEL	12V	10,3 x 13,3 x 17,5	M100

Nº ORIGINAL

54246258

Nº DO ARRANQUE

35256034, 35256640, 35257086, 35257730, 35257980, 35258000, 35258150

APLICAÇÕES

FORD PICK-UP F-1000 ÁLCOOL, PICK-UP F-1000 GASOLINA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
LASX-91/92	PRESTOLITE - LUCAS INDIEL	12V	9,0 x 20,0 x 26,0	

Nº ORIGINAL

35258437

Nº DO ARRANQUE

APLICAÇÕES

FORD F-1000 4CIL MWM DIESEL, F-4000 4CIL MWM DIESEL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-195-24V	PRESTOLITE - LUCAS INDIEL	24V	8,0 x 25,0 x 19,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS CUMMINS, MERCEDES-BENZ, MWM

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-196-12V	PRESTOLITE - LUCAS INDIEL	12V	8,0 x 25,0 x 19,0	

Nº ORIGINAL

Nº DO ARRANQUE

35259200, 35259260, 35259290, 35259340, 35259360, 35259450, 35259500, 35259520, 35259550, 35259730, 35259810, 35259820, 35259830, 35259840, 35260830, 35260840, 35260870 35260900, 35260910, 35261050, 35261135, 35261160, 35261345, 35261385, 35261445, 35261680, 35261690, 35261780, 35262190

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **CUMMINS** MOTOR B 5.9, MOTOR C 8.3, MOTOR ISB02 5.8 **FORD** CAMINHÕES, CAMINHÕES CARGO 1622 COM MOTOR CUMMINS, CAMINHÕES CARGO 2422 COM MOTOR CUMMINS, CAMINHÕES CARGO 2425 COM MOTOR CUMMINS, CAMINHÕES CARGO 2425 MIXER COM MOTOR CUMMINS, CAMINHÕES CARGO 2630 COM MOTOR CUMMINS, NAVISTAR V8 7.3L **JOHN DEERE** COLHEITADEIRA 1550, TRATOR 1420, TRATOR 2140, TRATOR 2330, TRATOR 2420, TRATOR 2530, TRATOR 2730, TRATOR 2850, TRATOR 3140, TRATOR 3350, TRATOR 3420, TRATOR 3530, TRATOR 3540, TRATOR 3550, TRATOR 4420, TRATOR 4530, TRATOR 5320N, TRATOR 5410, TRATOR 5520N, TRATOR 5600, TRATOR 5700, TRATOR 627, TRATOR 6300, TRATOR 6600, TRATOR 6605, TRATOR 727, TRATOR 7505, TRATOR 7820, TRATOR DE ESTEIRAS 570, TRATOR DE ESTEIRAS 570A **NEW HOLLAND** TRATOR TM135, TRATOR TM135 E, TRATOR TM150, TRATOR TM150 E, TRATOR TM165, TRATOR TM180, TRATOR TS100, TRATOR TS110, TRATOR TS120 **VALMET** TRATORES **VALTRA** TRATOR 1280, TRATOR 1580, TRATOR 1780, TRATOR 685 C, TRATOR 785 C, TRATOR BH140, TRATOR BH160, TRATOR BH180, TRATOR BL77, TRATOR BL88, TRATOR BM100, TRATOR BM110, TRATOR BM120**VOLKSWAGEN** CAMINHÕES 17220 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 17310 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 18310 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 23220 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 23310 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 26220 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 26260 8.3 (C/ MOTOR CUMMINS 6CTAA), CAMINHÕES 26310 8.3 (C/ MOTOR CUMMINS 6CTAA), TITAN TRACTOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FTSX-128-24V	TOYOTA	24V	8,0 x 25,0 x 19,0	

Nº ORIGINAL

Nº DO ARRANQUE

B2J1Z11Z

APLICAÇÕES

ASIA MOTORS TOPIC **DIVERSAS** ALLIS CHALMERS, CASE, CATERPILLAR, CUMMINS, DAIHATSU, DODGE, HINO, ISUZU, JOHN DEERE, KOMATSU, KUBOTA, MITSUI-DEUTZ, TELEDYNE/ CONTINENTAL, YANMAR **TOYOTA** FORKLIFT

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FTSX-130	TOYOTA	12V	6,5 x 10,0 x 16,0	

Nº ORIGINAL

Nº DO ARRANQUE

28140-15010, 3A-U-LU, 4A-ELU, 4A-GELU, 4A-GEU, 4A-GZE

APLICAÇÕES

TOYOTA COROLLA E-EE80, COROLLA II, COROLLA SPRINTER, CORONA E-RT 130, CORONA L-TT 147

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FTSX-138	TOYOTA	12V	7,0 x 16,0 x 14,0	

Nº ORIGINAL

28140-15090

Nº DO ARRANQUE

1C, 1C-L, 1C-LT, 1DZ2F, 2C, 2C-L, 2C-T, 2C-TL, 2J, 3F, 5K, 6M-GEU, 7M-GE, M-P, M-PU, M-TEU, V1502-BF5

APLICAÇÕES

KIA MOTORS DELI BOY CXC10V **MERCEDES-BENZ** SPRINTER **RENAULT** 170G MASTER **TOYOTA** CARINA CT170, CARINA N-CT150, COROLLA, CORONA CT140, CORONA CT141, CORONA N-CT150, LITE ACE CM30G, N-CE80 CAMRY, TOWN ACE CR21G

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-142/144	VALEO	12V	7,0 x 14,0 x 14,0	

Nº ORIGINAL

2.70.1058

Nº DO ARRANQUE

1250128, 1250449, 1810A048, 1810A111, 188839, 3610029000, 8111643, 8253786, 8602067, 8602083, D7G20, D7R1, D7R11, D7R12, D7R127, D7R13, D7R14, D7R15, D7R151, D7R16 D7R18, D7R19, D7R2, D7R20, D7R22, D7R23, D7R24, D7R25, D7R26, D7R27, D7R28, D7R281, D7R3, D7R32, D7R33, D7R34, D7R35, D7R4, D7R40, D7R43, D7R44, D7R45, D7R46, D7R47, D7R48, D7R49, D7R5, D7R53, D7R56, D7R61, D7R64, D7R8, D7RP123, D7RP204, D7RS30, D8R1, D8R27, D8R28, D8R29, MD329260, TM000A34101, TM000A36101, TS22E5

APLICAÇÕES

FIAT DUCATO **HYUNDAI** H100, HR **KIA** BONGO **MERCEDES-BENZ** CAMINHÃO SPRINTER CDI 311, CAMINHÃO SPRINTER CDI 313, CARRO CLASSE C 200 2.0 D, CARRO CLASSE C 200 2.1 CDI, UNIMOG, VARIO, VIANO, VITO **MITSUBISHI** KATANA, L200 TRITON (2010 >) **RENAULT** MASTER 1.9 DCI 2010 >

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-148/149	VALEO	12V	8,4 x 11,0 x 18,0	

Nº ORIGINAL

594060

Nº DO ARRANQUE

133647, 25204-7, 432590, 432593, 432598, 432622, 432633, 433311, 433320, 433321, 436060, 436090, 594060, 594063, 594070, 594127, 594169, 594317, 594386, 726001, 726011, 726048, 7700100647, D6RA12, D6RA133, D6RA16, D6RA165, D6RA18, D6RA185, D6RA20, D6RA5, D6RA511, D6RA6, D6RA61, D6RA65, D6RA85

APLICAÇÕES

CITROËN AX 1.3, BERLINGO 1.1I, BERLINGO 1.4I, BERLINGO 1.6I, C15 1.0, C15 1.1, C15 1.1I, C15 1.4, C15 1.4I, SAXO 1.0I, SAXO 1.1I, SAXO 1.4I, SAXO 1.6I, XANTIA 2.0I, XM 3.0I V6, XM 3.0I V6 24V, XSARA 1.4I, XSARA 1.6I, ZX 1.1I, ZX 1.4I, ZX 1.6I, ZX 1.8I, ZX 1.9I, ZX 2.0I **PEUGEOT** 106 1.0, 106 1.0I, 106 1.1, 106 1.1I, 106 1.3I, 106 1.4, 106 1.4I, 106 1.6I, 205 1.0, 205 1.0I, 205 1.1, 205 1.1I, 205 1.3, 205 1.4, 205 1.4I, 206 1.1I, 206 1.4I, 206 1.6I, 207 1.4, 207 1.6, 207 1.6 HDI 16V, 306 1.1I, 306 1.4, 306 1.4I, 306 1.6I, 306 2.0I, 309 1.1, 309 1.1I, 309 1.4, 309 1.4I, 405 1.4, 405 1.4I, 405 2.0I, 405 2.0I TURBO, 605 3.0I V6, 605 3.0I V6 24V, PARTNER 1.1I, PARTNER 1.4, PARTNER 1.4I **RENAULT** CLIO 1.2I, CLIO 1.4I, CLIO 1.6I, CLIO 1.8, CLIO 1.8I, ESPACE 2.0I, EXPRESS 1.4I, KANGOO 1.4I, LAGUNA 1.8, LAGUNA 1.8I, LAGUNA 2.0, LAGUNA 2.0I, MÉGANE 1.4I, MÉGANE 1.6, MÉGANE 1.6I, MÉGANE 1.9 DTI, MÉGANE 2.0, MÉGANE 2.0I, R11 1.7I, R19 1.2, R19 1.4, R19 1.4I, R19 1.7, R19 1.7I, R19 1.8, R19 1.8I, R21 1.7, R21 1.7I, R9 1.7, SCÉNIC 2.0, TRAFIC 1.7

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-155	VALEO	12V	6,5 x 8,0 x 11,0	D7E4/D7E6/D7E8/D7E11/D7E15/D7E18/D7E19/D7E20/ D7E22/D7E23/D7E27/D7E28/D7E52/D7ED28/BD7E17/ BD7E44

Nº ORIGINAL

Nº DO ARRANQUE

594351

APLICAÇÕES

CHEVROLET-GM ASTRA, CELTA, CORSA, MERIVA **FIAT** PALIO, STILO **PEUGEOT** 206 **RENAULT** CLIO, KANGOO, MEGANE, R1, R11, R12, R19, SCENIC

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
PSX-155/0	VALEO	12V	6,5 x 8,0 x 11,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES
CHEVROLET-GM ASTRA 1.8 OHC, CELTA 1.0 OHS, CELTA 1.4 OHC, CORSA 1.4, CORSA1.0 EFI, MERIVA 1.8 **FIAT** PALIO 1.8, STILO 1.8 **PEUGEOT** CARROS 206 1.6 16V **RENAULT** CLIO 1.4I, CLIO 1.4I 16V, CLIO 1.6I, CLIO 1.6I 16V, KANGOO 1.6I 16V, LAGUNA 1.6I 16V, LOGAN 1.4 MPI, LOGAN 1.6 MPI, LOGAN 1.6I 16V, MÉGANE 1.4I 16V, MÉGANE 1.6I 16V, R11 1.6, R12 1.6, R19 1.6, R9 1.6, R9 1.7 SCÉNIC 1.4I 16V, SCÉNIC 1.6I 16V, THALIA 1.4I 16V, THALIA 1.6I 16V

SULCARBON

ESCOVAS AUTOMOTIVAS

Alternadores e Dínamos

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-123	BOSCH - WAPSA	12V/24V	4,0 x 6,0 x 20,7	

PART Nº

Nº DO ARRANQUE

0001542605, 0001542705, 0031542606, 0121615003, 0121615010, 0121715004, 0124225038, 0124315032, 0124355001, 0124355002, 0124355014, 0124415002, 0124525060, 0124525187, 0124555001, 0124555002, 0124555003, 0124555004, 0124555006, 0124555007, 0124555008, 0124555010, 0124555011, 0124555012, 0124555015, 0124555016, 0124555018, 0124555019, 0124555021, 0124555022, 0124555023, 0124555025, 0124555026, 0124555032, 0124555036, 0124555038, 0124555040, 0124555041, 0124555042, 0124555044, 0124555045, 0124555046, 0124555052, 0124555061, 0124555065, 0124555069, 0124555071, 0124555072, 0124555079, 0124555080, 0124555083, 0124555087, 0124555089, 0124555091, 0124555095, 0124555096, 0124555101, 0124555123, 0124555124, 0124655001, 0124655002, 0124655003, 0124655004, 0124655005, 0124655007, 0124655016, 0124655022, 0124655023, 0124655036, 0124655037, 0124655038, 0124655039, 0124655042, 0124655049, 0124655051, 0124655069, 0124655082, 0124655097, 0124655103, 0124655106, 0124655135, 0124655139, 0124655152, 0124655155, 012465515B, 0124655164, 0124655165, 0124655173, 0124655174, 0124655180, 0124655211, 0124655285, 0124655298, 0124655311, 0124655321, 0124655347, 0124655348, 0124655349, 0124655350, 0124655411, 0124655412, 0124655415, 0124655416, 0124655479, 0124655480, 0124655641, 0124655642, 0124655643, 012465564A, 0124655705, F00M144123, F00M145201, F00M145203, F00M145205, F00M145206, F00M145261, F00M145286, F00M145350, F000BL070G, F000BL0739, F000BL0755, F000BL0756, F000BL0757, F000BL0764, F000BL0769, F000BL0770, F000BL0786, F000BL07B9, F000BL07H3, F000BL07H4, F000BL07H5, F000BL07H6, F000BL07H7, F000BL07H8, F000BL07J7, F000BL07N2, F000BL07R6, F000BL07T5, F000BL07T6, F000BL07V0, F000BL07V9, F000RS0103, F00M145873, F00MA45206

APLICAÇÕES

OBSERVAÇÕES Regulador de voltagem eletrônico multifunção Bosch (substitui F 00M 144 106,107 / 145 256, 298, 302, 307, 423.) - Outras referências: Transpo IB 298 / IK5307, IK5236, IK5225, GA298, GA225, GA220. **DIVERSAS** VOLVO **MERCEDES-BENZ** CAMINHÃO 1938, CAMINHÃO 2638, ÔNIBUS OM 457 **VOLKWAGEN** BUS, CAMINHÃO CONSTELLATION

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-124	BOSCH - WAPSA	12V	4,0 x 6,0 x 15,6	

PART Nº

Nº DO ARRANQUE

0121715003, 0121715042, 0121715047, 0121715103, 0121715142, 0272220703, 0272220706, 0272220707, 0272220733, 0272220736, 03G903023, 03G903023F, 03G903023FX, 03G903023X, 070903024B, 070903024F, 070903139B, 070903139BX, 1275200003, 272220733, 5U0903025E, F000BL0300, F000BL0400, F000BL0406, F000BL0408, F000BL0418, F000BL0419, F000BL0468, F000BL0477, F000BL04C0, F000BL04E6, F000BL04F0, F000BL04H8, F000BL04K2, F000BL0600, F000BL062B, F000BL07E3, F000BLO7E4, F00M346027, F00M346054, F00M346063, F00M346087, F00M346096, F00M346136, F00M346137

APLICAÇÕES

OBSERVAÇÕES IK5028, GA342 **AGRALE** TRATORES **FIAT** PALIO 2009>2011, STRADA, UNO 2009>2011, UNO 2015 **FORD** RANGER **IVECO** DAILY IV 2006>2011, DAILY V 2011>2014, DAILY VI 2014 EM DIANTE **RENAULT** CLIO, DUSTER 1.6, KANGOO, SANDERO **VOLKSWAGEN** CROSSFOX (FASE I) 1.6 TOTAL FLEX 2008-2009, FOX (FASE I) 1.6 TOTAL FLEX 2008>2009, FOX 1.6 TOTAL FLEX >2009, GOL II 1.0MI 8V 1996>1999, GOL II SPECIAL 1.0MI 8V 1999>2005, GOL III 1.0MI 16V 1999>2005, GOL III 1.0MI 16V TURBO 2000>2003, GOL III 1.0MI 1999>2005, GOL III 1.0MI TOTAL FLEX 2005>2006, GOL IV 1.0 2005>2008, GOL IV 1.0 ECOMOTION 2010>2013, GOL IV 1.0 TOTAL FLEX 2005>2013, GOL V 1.0 TOTAL FLEX 2008>2012, GOL V 1.6 TOTAL FLEX 2008>2012, GOL VI 1.0 TOTAL FLEX >2012, GOL VI 1.6 I-MOTION TOTAL FLEX >2012, GOL VI 1.6 TOTAL FLEX >2012, GOLF III 2.0MI 1994>1998, PARATI II 1.0MI 16V 1997>1999, PARATI III 1.0MI 16V 1999>2003, PARATI III 1.0MI 16V TURBO 2000>2004, POLO 1.6 TOTAL FLEX >2008, POLO SEDAN 1.6 TOTAL FLEX >2008, SAVEIRO V 1.6 TOTAL FLEX >2009, SPACE CROSS 1.6 TOTAL FLEX >2011, SPACEFOX (FASE I) 1.6 TOTAL FLEX 2008>2010 SPACEFOX (FASE II) 1.6 TOTAL FLEX >2010, VOYAGE (FASE I) 1.6 1989>1993, VOYAGE (FASE II) 1.0 FLEX >2012, VOYAGE 1.0 TOTAL FLEX 2008>2012, VOYAGE 1.6 FLEX >2012, VOYAGE 1.6 I MOTION FLEX >2012, VOYAGE 1.6 TOTAL FLEX 2008>2012

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-162	BOSCH - WAPSA	12V	5,0 x 10,0 x 17,0	

PART Nº

1127014001

Nº DO ARRANQUE

0120340001, 0120400504, 0120400505, 0120400507, 0120400510, 0120400517, 0120400522, 0120400524, 0120400526, 0120400529, 0120400530, 0120400531, 0120400533, 0120400534, 0120400535, 0120400537, 0120400540, 0120400541, 0120400542, 0120400545, 0120400546, 0120400548, 0120400550, 0120400551, 0120400553, 0120400555, 0120400558, 0120400563, 0120400565, 0120400566, 0120400567, 0120400568, 0120400569, 0120400570, 0120400571, 0120400600, 0120400601, 0120400603, 0120400604, 0120400605, 0120400606, 0120400607, 0120400608, 0120400611, 0120400614, 0120400615, 0120400617, 0120400619, 0120400620, 0120400621, 0120400622, 0120400623, 0120400624, 0120400625, 0120400627, 0120400628, 0120400629, 0120400631, 0120400633, 0120400634, 0120400636

APLICAÇÕES

DIVERSAS AGRALE, CBT, DODGE, MAXION, YANMAR **FORD** CORCEL **MERCEDES-BENZ** 1113, 1313, 1513, 2013, 2213, 610, L608 **TOYOTA** BANDEIRANTES **VOLKSWAGEN** BRASÍLIA, VARIANT, VOLKSWAGEN 1600

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-162-A	BOSCH - WAPSA	24V	5,0 x 10,0 x 17,0	

PART Nº

9124080172

Nº DO ARRANQUE

0120400554, 0120400572, 0120400641, 0120400662, 0120400673, 0120400674, 0120400683, 0120400695, 0120400697, 0120400701, 0120400755, 0120400820, 28V/17A/21A/27A, K1/14V/35A

APLICAÇÕES

OBSERVAÇÕES Todos 24V. **DIVERSAS** ALFA ROMEO, DODGE, VOLVO N10 ATÉ 02/94 **FIAT** DIESEL **MERCEDES-BENZ** TODOS **SCANIA** CAMINHÕES 110, CAMINHÕES 111, CAMINHÕES 142 CAMINHÕES141

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-172	BOSCH - WAPSA	12V	5,0 x 8,0 x 15,0	

PART Nº

1127014008

Nº DO ARRANQUE

0120339502, 0120339504, 0120339505, 0120339506, 0120339510, 0120339512, 0120339513, 0120339514, 0120339515, 0120339516, 0120339518, 0120339521, 0120339523, 0120339528, 0120339531, 0120339532, 0120339534, 0120339536, 0120339543, 0120339545, 1124320024, 1124320027, 1124320040, 9120143001, 9120143002, 9120143003, 9120143007, 9120143009, 9120143015, 9120143017, 9120143020, 9120143021, 9120143023, 9120143024, 9120143025, 9120143026, 9120143027, 9120143028, 9120143032, 9120143034, 9120143036, 9120143201, 9120143202, 9120143204, 9120143206, 9120143208, 9120143209, 9120143210, 9120143212, 9120143215, 9120143217, 9120143218, 9120143222, 9120143223, 9120143224, 9120143225, 9120144002, 9120144005, 9120144011, 9120144013, 9120144014, 9120144016, 9120144018, 9120144020, 9120144022, 9120144024, 9120144026, 9120144027, 9120144028, 9120144030, 9120144032, 9120144034, 9120144035, 9120144037, 9120144039, 9120144040, 9120144202, 9120144203, 9120144204, 9120144206, 9120144207, 9120144209, 9120144215, 9120144216, 9120144217, 9120144219, 9120144220, 9120144221, 9120144223, 9120144224, 9120144225, 9120144227, 9120144229, 9120144231, 9120144232, 9120144233, 9120144239, 9120144260, 9120144262, 9120144264, 9120144268

APLICAÇÕES

OBSERVAÇÕES Volkswagen a partir de 12/91. **CHEVROLET-GM** MONZA **DIVERSAS** CATERPILLAR, CB, MASSEY, MWM, VALMET **FIAT** 147 **FORD** BELINA, DEL REY, ESCORT **VOLKSWAGEN** APOLO, BRASÍLIA, GOL, KOMBI DIESEL, PARATI, PASSAT, SANTANA QUANTUM, VOYAGE

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-172-A	BOSCH - WAPSA	12V	5,0 x 8,0 x 19,0	

PART Nº

9124080024

Nº DO ARRANQUE

9122080037, 9190087027, GA027, IK524

APLICAÇÕES

AGRALE (CAMINHÕES) 1600 D, 1600 TX, 1800 D, 4500 D, 5000 D, 6150, 7000 D, 7000 DX, 7000 TDX, 7500 TD, 8500 TDX **AGRALE (MÁQUINAS)** TRATOR 4200, TRATOR 4230, TRATOR 4300, TRATOR BX4.100, TRATOR BX4.110, TRATOR BX4.130, TRATOR BX4.150, TRATOR BX4.60, TRATOR BX4.90 **AGRALE (ÔNIBUS)** MA 7.5 **CASE (MÁQUINAS)** ESCAVADEIRA 80 CR, ESCAVADEIRA 80 P, PÁ CARREGADEIRA W18, PÁ CARREGADEIRA W20 B, PÁ CARREGADEIRA W36, TRATOR 2470, TRATOR 4490 **CBT (MÁQUINAS)** TRATOR 1065, TRATOR 1105, TRATOR 2080, TRATOR 2105, TRATOR 8060 TRATOR 8240, TRATOR 8260, TRATOR 8440 **CHEVROLET-GM** BONANZA, D20, D40, D6000, VERANEIO **CUMMINS (MOTORES)** MOTOR 6C 8.3, MOTOR 6CT 8.3 **FIAT-ALLIS (MÁQUINAS)** RETROESCAVADEIRA FB80 **FORD** BELINA II 1.8, CORCEL II 1.6, DEL REY 1.6, DEL REY 1.8, ESCORT 1.6, ESCORT 1.6I, ESCORT 1.8, ESCORT 1.8I, ESCORT 2.0, ESCORT 2.0I, ESCORT HOBBY 1.0, ESCORT HOBBY 1.6, F1000, PAMPA 1.6, PAMPA 1.8, ROYALE 1.8, ROYALE 1.8I, ROYALE 2.0, ROYALE 2.0I, VERONA 1.6, VERONA 1.8, VERONA 1.8I, VERONA 2.0, VERONA 2.0I, VERSAILLES 1.8, VERSAILLES 1.8I, VERSAILLES 2.0, VERSAILLES 2.0I **FORD (CAMINHÕES)** CARGO C 1215, CARGO C 1216, CARGO C 1217, CARGO C 1415, CARGO C 1416, CARGO C 1417, CARGO C 1421, CARGO C 1422, CARGO C 1617, CARGO C 1618, CARGO C 1621, CARGO C 1630, CARGO C 2322, CARGO C 2422, CARGO C 2425, CARGO C 2630, CARGO C 3224, CARGO C 3530, CARGO C 4030, F12000, F14000, F4000 **GURGEL** CARAJÁS **KOMATSU (MÁQUINAS)** TRATOR DE ESTEIRAS D30E, TRATOR DE ESTEIRAS D50A **LADA** LAIKA 1.5, LAIKA 1.6, NIVA 1.5, NIVA 1.6 **MASSEY FERGUSON (MÁQUINAS)** TRATOR MF1630, TRATOR MF235, TRATOR MF265, TRATOR MF265/4, TRATOR MF275, TRATOR MF275/4, TRATOR MF283, TRATOR MF290, TRATOR MF292, TRATOR MF292/4, TRATOR MF295/4, TRATOR MF296, TRATOR MF296/4, TRATOR MF297, TRATOR MF297/4, TRATOR MF299, TRATOR MF299/4, TRATOR MF5300, TRATOR MF5310, TRATOR MF5320, TRATOR MF5650, TRATOR MF6845, TRATOR MF6855, TRATOR MF6865 **MAXION (MÁQUINAS)** TRATOR 9110A, TRATOR 9130, TRATOR 9150, TRATOR 9170, TRATOR IDEAL 1175, TRATOR IDEAL 750, TRATOR IDEAL 9070, TRATOR IDEAL 9075, TRATOR IDEAL 9090 **MERCEDES-BENZ (CAMINHÕES)** 1013 L, 1113 L, 1113 LA, 1114 L, 1116 L, 1117 L, 1117 LA, 1118 L, 1214 C, 1218 L, 1219 LP, 1313 L, 1313 LA, 1314 L, 1316 L, 1316 LA, 1317 L, 1318 L, 1319 L, 1320 L, 1418 L, 1419 L, 1419 LP, 1516 L, 1518 L, 1518 LS, 1520 L, 1520 LA, 1525 L, 1525 LS, 1620 L, 1621 L, 1625 L, 1714 K, 1717 K, 1718, 1718 K, 1720, 1721, 1722, 1723, 1825 LG, 2014 L, 2016 L, 2020 L, 2214 L, 2215 L, 2216 L, 2217 L, 2218 LB, 2218 LK, 2220 L, 2314 L, 2318 L, 2318 LB, 2318 LK, 2325 L, 2325 LB, 2325 LK, 2418, 608 LD, 610 L, 708 L E, 708 LO E, 709, 710, 712, 809 LO 812 LO, 814 LO, 912, 914 **MERCEDES-BENZ (ÔNIBUS)** O355, O362, O364, O365, O370, O370 RSD, OF1113, OF1114, OF1314, OF812, OH1313, OH1314, OH1316, OH1419, OH1517, OH1520, OH355 **MÜLLER (MÁQUINAS)** ROLO COMPACTADOR RT62 H, ROLO COMPACTADOR RT82 H, ROLO COMPACTADOR VAP55, TRATOR TM12, TRATOR TM14 **MWM (MOTORES)** ROLO COMPACTADOR RT62 H ROLO COMPACTADOR RT82 H, ROLO COMPACTADOR VAP55, TRATOR TM12, TRATOR TM14 **PUMA (CAMINHÕES)** 7900, 914 **SLC (MÁQUINAS)** COLHEITADEIRA 6200, COLHEITADEIRA 6200 TURBO, COLHEITADEIRA 7200 TURBO, COLHEITADEIRA 7700 TURBO **TOYOTA** BANDEIRANTE 4X4 **VALMET (MÁQUINAS)** TRATOR 110 ID, TRATOR 118, TRATOR 1180, TRATOR 118-4, TRATOR 128 TRATOR 1280, TRATOR 138 TURBO, TRATOR 1380, TRATOR 138-4 TURBO, TRATOR 148, TRATOR 148 TURBO, TRATOR 1880, TRATOR 68, TRATOR 68 CAFEEIRO, TRATOR 68 ESPECIAL, TRATOR 685, TRATOR 78 S, TRATOR 78 VE, TRATOR 785, TRATOR 88, TRATOR 880, TRATOR 885 S, TRATOR 980, TRATOR 985 **VALTRA (MÁQUINAS)** TRATORES **VOLKSWAGEN** APOLLO 1.8, GOL 1.0, GOL 1.6 GOL 1.8, GOL 2.0I, GOL II 1.0I, GOL II 1.8 MI, GOL II 1.8I, GOL II 2.0 MI, GOL II 2.0I, LOGUS 1.6, LOGUS 1.6I, LOGUS 1.8, LOGUS 1.8I, LOGUS 2.0, LOGUS 2.0 MI, PARATI 1.6, PARATI 1.8, PARATI II 1.8 MI, PARATI II 1.8I, PARATI II 2.0 MI, PARATI II 2.0I, PARATI III 1.8 MI, PARATI III 2.0 MI, PASSAT 1.5, PASSAT 1.6, PASSAT 1.8, POINTER 1.8, POINTER 1.8I, POINTER 2.0, POINTER 2.0 MI, QUANTUM 1.8, QUANTUM 1.8I, QUANTUM 2.0, QUANTUM 2.0I, SANTANA 1.8, SANTANA 1.8I, SANTANA 2.0, SANTANA 2.0I, SAVEIRO 1.6, SAVEIRO 1.8, SAVEIRO II 1.8 MI, VOYAGE 1.6, VOYAGE 1.8 **VOLKSWAGEN (CAMINHÕES)** 12140, 12170, 12180, 13150, 13170, 13180, 13190, 14150, 14170, 14180, 14220, 15170, 15180, 15190, 16200, 16210, 16220, 17210, 17300, 17310, 23210, 23220, 23310, 24220, 24250, 26220, 26260, 26300, 26310, 31260, 31310, 35300, 40300, 7100, 7110, 7120, 8100, 8120, 8140, 8150, 9150, WORKER 13180, WORKER 15180, WORKER 17180, WORKER 17220, WORKER 24220, WORKER 26220

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-172-B	BOSCH - WAPSA	24V	5,0 x 8,0 x 19,0	

PART Nº

9124080043

Nº DO ARRANQUE

9122080024, 9122080043

APLICAÇÕES

ATLAS COPCO (MÁQUINAS) COMPRESSOR DE AR AX430 **CASE (MÁQUINAS)** ESCAVADEIRA 888 BCKE, ESCAVADEIRA 888 CKE, PÁ CARREGADEIRA 821 B, PÁ CARREGADEIRA W20E, PÁ CARREGADEIRA W30D, PÁ CARREGADEIRA W30E, PÁ CARREGADEIRA W36, PÁ CARREGADEIRA W36D, PÁ CARREGADEIRA W36E **CATERPILLAR (MÁQUINAS)** MOTONIVELADORA 120B, MOTONIVELADORA 120C, MOTONIVELADORA 140B, MOTONIVELADORA 140C, PÁ CARREGADEIRA 930R, PÁ CARREGADEIRA 966C, TRATOR DE ESTEIRAS D4E-DD, TRATOR DE ESTEIRAS D4E-PS, TRATOR DE ESTEIRAS D4E-SA, TRATOR DE ESTEIRAS D4E-SR, TRATOR DE ESTEIRAS D5B-PS, TRATOR DE ESTEIRAS D5D-DD, TRATOR DE ESTEIRAS D6C, TRATOR DE ESTEIRAS D6D-PS, TRATOR DE ESTEIRAS D6D-SA, TRATOR DE ESTEIRAS D6E-DO, TRATOR DE ESTEIRAS D6E-PS **CATERPILLAR (MOTORES)** MOTOR 3304 DIT, MOTOR 3304 T, MOTOR 3306 DIT, MOTOR 3306 T **CUMMINS (MOTORES)** MOTOR 6C 8.3, MOTOR 6CT 8.3, MOTOR 6CTA 8.3, MOTOR N855, MOTOR N855C, MOTOR NT855, MOTOR NT855C, MOTOR NT855G, MOTOR NTA855, MOTOR NTA855C, MOTOR NTTA855 **EL DETALLE (ÔNIBUS)** OA 104 **FIAT-ALLIS (MÁQUINAS)** ESCAVADEIRA FH200, MOTONIVELADORA FG105A, MOTONIVELADORA FG105AA, MOTONIVELADORA FG105AB, MOTONIVELADORA FG170 MOTONIVELADORA FG70, MOTONIVELADORA FG70A, MOTONIVELADORA FG70B, MOTONIVELADORA FG75, MOTONIVELADORA FG75B, MOTONIVELADORA FG85, MOTONIVELADORA FG85A, MOTONIVELADORA FG85B, PÁ CARREGADEIRA FR120.2, PÁ CARREGADEIRA FR140, PÁ CARREGADEIRA FR180, TRATOR DE ESTEIRAS AD14, TRATOR DE ESTEIRAS AD14C, TRATOR DE ESTEIRAS FD170 **IVECO (CAMINHÕES)** 140 E18, 160 E23, 200 E41, 450 E37, 450 E41, EUROCARGO 120 E15, EUROCARGO 150 E18, EUROCARGO 150 E20, EUROCARGO 160 E21, EUROCARGO 160 E23, EUROTECH 450 E37, EUROTECH 450 E41 **KOMATSU (MÁQUINAS)** MOTONIVELADORA A835 (DRESSER), MOTONIVELADORA A855 (DRESSER), MOTONIVELADORA GD523A, MOTONIVELADORA GD523R, MOTONIVELADORA GD623A, MOTONIVELADORA GD623R, PÁ CARREGADEIRA WA180, PÁ CARREGADEIRA WA320, TRATOR DE ESTEIRAS D60E, TRATOR DE ESTEIRAS D60F, TRATOR DE ESTEIRAS D65E, TRATOR DE ESTEIRAS D73E **MAFERSA (ÔNIBUS)** M210, M240 **MERCEDES-BENZ (CAMINHÕES)** 1214 L, 1217 L, 1218 L, 1317 L, 1414 L, 1418 L, 1517 L, 1519 L, 1614 L, 1618 L, 1620 L, 1625 LS, 1630 LS, 1924 L, 1924 LS A, 1929 LS, 1933 L, 1934 LS, 1935 LS, 1941 LS, 2219 LK, 2624 LA, 2635 L **MERCEDES-BENZ (ÔNIBUS)** O370 R, O370 RS, O370 RSD, O371 R, O371 RS, O371 RSD, O371 U, OF1113, OF1115, OF1315, OF1318, OF1620, OH1315, OH1318, OH1520 **SCANIA (CAMINHÕES)** L140, L141, R112/310, R112/360, R113/310, R113/320, R142/394, R142/405, R142/406, R143/450, T112/310, T112/360, T113, T142/310, T142/394, T142/405, T142/406, T143/450 **SCANIA (MOTORES)** MOTORES DIVERSOS **SCANIA (ÔNIBUS)** BR116S, F112/203 HL, F112/305 HL **VOLKSWAGEN (CAMINHÕES)** 17210 OD, L80 **VOLVO (CAMINHÕES)** N10 258, N10 270, N10 275, N10 290, N10 300, N12 330, N12 385, NL10 280, NL10 300, NL10 310, NL10 340, NL12 360, NL12 380, NL12 400, NL12 410 **VOLVO (ÔNIBUS)** B10M, B12, B58E, B7R

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-172-R	BOSCH - WAPSA	12V	5,0 x 8,0 x 15,0	

PART Nº

1127014008

Nº DO ARRANQUE

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APLICAÇÕES

OBSERVAÇÕES Volkswagen a partir de 12/91. **CHEVROLET-GM** MONZA **DIVERSAS** CATERPILLAR, CBT, MASSEY, MWM, VALMET **FIAT** 147 **FORD** BELINA, DEL REY, ESCORT **VOLKSWAGEN** APOLO, BRASÍLIA, GOL, KOMBI DIESEL, PARATI, PASSAT, SANTANA QUANTUM, VOYAGE

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-201	BOSCH - WAPSA	12V	5,0 x 8,0 x 23,5	

PART Nº

1127014016

Nº DO ARRANQUE

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APLICAÇÕES

SCANIA CHASSI P/ ÔNIBUS K 113 CL, CHASSI P/ ÔNIBUS K 113TL - DS 11

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-21	BOSCH - WAPSA	12V	6,0 x 22,0 x 25,0	

PART Nº

1107014140

Nº DO ARRANQUE

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APLICAÇÕES

MERCEDES-BENZ 1111, 331, LP 321 **MWM** MOTORES PARA TRATORES **PERKINS** MOTORES PARA TRATORES

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-210	BOSCH - WAPSA	12/24V	5,0 x 8,0 x 19,0	

PART Nº

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APLICAÇÕES

FIAT 1.6, 2.0, TEMPRA SLX, UNO 1.4 TURBO **FORD** ROYALE, VERSAILLES

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-220	BOSCH - WAPSA	12V	4,0 x 6,0 x 18,0	

PART Nº

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0123520003, 0123520004, 0123520005, 0123520006, 0123520007, 0123520008, 0123520010, 0123520011, 0123520012, 0123520013, 0123520014, 0123520015, 0123520017, 0123520019, 0123520020, 0123520021, 0123520022, 0123520023, 0123520025, 0123520026, 0123520027, 0123520029, 0123520030, 0123520031, 0123520500, 0123525001, 0123525500, 0123525501, 0123525502, 0123525503, 0123525504, 0123540001, 0123540002, 0123540003, 0123540004, 0123545001, 0123545002, 0123545003, 0123545004, 0124215002, 0124225001, 0124225002, 0124225004, 0124225009, 0124225010, 0124225011, 0124225016, 0124225018, 0124225020, 0124225022, 0124225023, 0124225024, 0124225025, 0124315001, 0124315003, 0124315004, 0124315005, 0124315006, 0124315014, 0124320001, 0124325001, 0124325003, 0124325004, 0124325006, 0124325008, 0124325009, 0124325010, 0124325011, 0124325012, 0124325013, 0124325014, 0124325018, 0124325022, 0124325024, 0124325031, 0124325032, 0124325035, 0124325049, 0124325056, 0124325058, 0124325081, 0124325100, 0124325108, 0124325122, 0124325130, 0124325145, 0124325190, 0124415001, 0124415002, 0124415005, 0124415006, 0124415007, 0124415008, 0124415009, 0124415011, 0124415013, 0124415014, 0124415015, 0124415016, 0124425021, 0124425059, 0124515005, 0124515010, 0124515013, 0124515017, 0124515018, 0124515019, 0124515020, 0124515021, 0124515022, 0124515026, 0124515032, 0124515035, 0124515050, 0124515054, 0124515057, 0124515083, 0124515085, 0124515503, 0124525002, 0124525009, 0124525029, 0124525043, 0124525047, 0124525050, 0124525055, 0124525064, 0124525067, 0124525076, 0124525113, 0124615002, 0124615031, 0124625006, 0124655008, 0124655014, 0124655024, 0125811008, 0125811074, 0132315500, 0132315501, 0132315502, 0132315503, 1127014028, 125811074, 9120336000, 9120485048 9123100002, 9123110005, 9123120001, 9123310020, 9123310029, 9123310048, 9123315019, 9123320007, 9123320012, 9123320016, 9123320045, 9123325002, 9123325011, 9123335002, 9123369023, 9123369028, 9123369044, 9123510068, 9123515022, 9123520017, 9123690001, 9123690003, B120310050, B120310087, B120411182, B120411203, B120411204, B120411324, B120411528, B120510078, B120510079, B120510214, B120510330, B120510614, F000BL0636, F000BL0705, F000BL0809, F000BL08E2, F000BL08F8, F000LD0300, F00MA45303, F010LD0201, F010LD0202, F010LD0205, F010LD0206

APLICAÇÕES

AUDI 100, 90 **BMW** 325I, 525I **CHEVROLET-GM** CORSA 1.0, CORSA 1.4, OMEGA, VECTRA **MERCEDES BENZ** SÉRIE S **VOLKSWAGEN** GOLF 1.8, GOLF 2.0 GLX, GOLF 2.0 GTI, PASSAT IMPORTADO **VOLVO** 940, 960

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-220-CL	BOSCH - WAPSA	12V	4,0 x 6,0 x 18,0	

PART Nº

F00M145256,F00M145297,F00M145298,F00M145302

Nº DO ARRANQUE

0001542405, 0001542605, 00M145246, 01182475, 0124555001, 0124555002, 0124555004, 0124555005, 0124555006, 0124555008, 0124555009, 0124555010, 0124555017, 0124555020, 0124555022, 0124555027, 0124555028, 0124555030, 0124655001, 0124655002, 0124655004, 0124655005, 0124655006, 0124655007, 0124655008, 0124655012, 0124655013, 0124655019, 0124655030, 1450808, 1501245, 1624197, 20523391, 2TB903803A, 42537055, 6004ML0000, 7420523391, A0001542405, A0001542605, A0031542606, F00M145246, F00M145256, F00M145297, F00M145298, F00M145302, F00MA45303

APLICAÇÕES

OBSERVAÇÕES Aplicado em Reguladores (Ex: IK-5030, Gauss GA343) **RENAULT** CAMINHÕES

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-301	BOSCH - WAPSA	24V	5,0 x 8,0 x 19,5	

PART Nº

Nº DO ARRANQUE

0.120.468.053, 0.120.468.054, 0.120.468.107, 0.120.468.113, 0.120.468.131, 0.120.468.136, 0.120.468.137, 0.120.469.001, 0.120.469.008, 0.120.469.019, 0.120.469.025, 0.120.469.032, 0.120.469.039, 0.120.469.115, 0.120.469.116, 0.120.469.518

APLICAÇÕES

MERCEDES-BENZ CAMINHÕES 1114, CAMINHÕES 1320, CAMINHÕES 1514, CAMINHÕES 609, CAMINHÕES 611, CAMINHÕES 614, CAMINHÕES 709, CAMINHÕES 711, CAMINHÕES 714, CAMINHÕES 809, CAMINHÕES 811, CAMINHÕES 814, CAMINHÕES 914, CAMINHÕES 917, CHASSIS, ÔNIBUS 1635, ÔNIBUS OF1315, ÔNIBUS OF1318, ÔNIBUS OH1418

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-35	BOSCH - WAPSA	12V	6,0 x 14,0 x 19,0	

PART Nº

9104082125

Nº DO ARRANQUE

0101100015, 0101200034, 0101201020, 0101201021, 0101201022, 0101201025, 0101201028, 0101202022, 0101203007, 0101203009, 0101204014, 0101205010, 0101206009, 0101206012, 0101206014, 0101206018, 0101206026, 0101206030, 0101206034, 0101206043, 0101206054, 0101206057, 0101206059, 0101206061, 0101206062, 0101206063, 0101206064, 0101206065, 0101206066, 0101206070, 0101206071, 0101206072, 0101206079, 0101206081, 0101206084, 0101206087, 0101206091, 0101206099, 0101206100, 0101206101, 0101206102, 0101206103, 0101206104, 0101206105, 0101206106, 0101206107, 0101206108, 0101206109, 0101206110, 0101206113, 0101206115, 0101206116, 0101206117, 0101206119, 0101206120, 0101206123, 0101206125, 0101206132, 0101206133, 0101206134, 0101206139, 0101206140, 0101206141, 0101206146, 0101206147, 0101206149, 0101206150, 0101206151, 0101206152, 0101206157, 0101207005, 0101207018, 0101208003, 0101208005, 0101208007, 0101208008, 0101208009, 0101208011, 0101209002, 0101209003, 0101209007, 0101209014, 0101209018, 0101209021, 0101209022, 0101209023, 0101209026, 0101209027, 0101209028, 0101209029, 0101209031, 0101209032, 0101209033, 0101209036, 0101209037, 0101209038, 0101209039, 0101209040, 0101209041, 0101209043, 0101209044, 0101209045, 0101209046, 0101209047, 0101209060, 0101209064, 0101209065, 0101209067, 0101352005, 0101352008, 0101354023, 0101355040, 1104320037, 1104320039

APLICAÇÕES

DIVERSAS AGRALE, DKW, PERKINS, TOYOTA, VALMET **FORD** CORCEL 69, WILLYS **VOLKSWAGEN** 1300, 1500, BRASÍLIA, GOL, KARMANN GHIA, KOMBI

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EX-201	BOSCH - WAPSA	12V	5,0 x 8,0 x 23,5	

PART Nº

9121456116

Nº DO ARRANQUE

403007

APLICAÇÕES

AGRALE TRATOR **DIVERSAS** CATERPILLAR, VALMET **FORD** CARGO 7.8L, ÔNIBUS SSB K 112, S 112 **MERCEDES-BENZ** ÔNIBUS MBB **VOLKSWAGEN** CAMINHÃO VOLKSWAGEN C/ MOTOR CUMMINS

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
SVX-7	BOSCH - WAPSA	12V	4,5 x 6,3 x 14,0	

PART Nº

300821B

Nº DO ARRANQUE

300796, 71930103, 71931093, 92859B, A12M11, A12M12, A12M13, A12M14, A12M15, A12M16, A12M17, A12M9, A12R22, A12R24, A12R25, A12R33, A12R34, A12R36, A12R38, A12R43 A12R44, A12R45, A12R46, A12R50, A12R52, A12R53, A13N10, A13N12, A13N13, A13N14, A13N15, A13N6

APLICAÇÕES

CLARK TRATORES **DIVERSAS** FIAT 147 **FIAT** PANORAMA **FORD** ESCORT, VERONA **MASSEY FERGUSON** CAMINHÕES, TRATORES **MERCEDES-BENZ** ÔNIBUS **VOLKSWAGEN** APOLO, GOL, KOMBI, SANTANA, SEDAN

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-403-1	BOSCH - WAPSA	12V	6,3 x 6,3 x 12,7	

PART Nº

F000LD9586

Nº DO ARRANQUE

403001

APLICAÇÕES

AGRALE TRATORES **CLARK** TRATORES **DIVERSAS** VOLKSWAGEN **DODGE** POLARA **FORD** CAMINHÕES F-4000, CORCEL, F1000, GALAXIE, MAVERICK

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-403-2	BOSCH - WAPSA	12V	6,3 x 6,3 x 12,7	

PART Nº

F000LD9624

Nº DO ARRANQUE

403002

APLICAÇÕES

CATERPILLAR TRATORES **CLARK** EMPILHADEIRAS COM MOTOR GM 4CIL, EMPILHADEIRAS COM MOTOR GM 6CIL **DIVERSAS** ALFA ROMEO **DODGE** POLARA **FORD** CAMINHÕES F-4000 CORCEL, F-100, F-350, F-600 MAVERICK **MASSEY FERGUSON** MÁQUINAS DIVERSAS **MERCEDES-BENZ** CAMINHÕES DIVERSOS **SCANIA** ÔNIBUS **VALMET** TRATORES **VOLKSWAGEN** GOL, KOMBI DIESEL, PARATI, PASSAT, VOYAGE

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-106S	DELCO-REMY	12V	8,0 x 5,0 x 22,5	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM CAMINHÕES, CAMINHÕES DIESEL, KADETT, MONZA, OPALA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-118	DELCO-REMY	12/24V	6,0 x 5,0 x 22,5	19Si/21Si

PART Nº

Nº DO ARRANQUE

10467935, 10480058, 1100127, 1100140, 1100141, 1100145, 1100150, 1100151, 1100153, 1100158, 1100159, 1100170, 1100171, 1100201, 1100547, 1100550, 1100559, 1100573, 1101192, 1101203, 1102471, 1102472, 1102477, 1102481, 1102483, 1102485, 1102491, 1102498, 1102499, 1102920, 1102921, 1102922, 1102925, 1102926, 1102927, 1102928, 1102929 1102930, 1102932, 1102936, 1102937, 1102940, 1103035, 1103054, 1103060, 1103069, 1103071, 1103078, 1103079, 1103101, 1103104, 1103116, 1103118, 1103124, 1103125, 1103126 1103127, 1103128, 1103130, 1103131, 1103133, 1103135, 1103138, 1103139, 1103141, 1103143, 1103144, 1103145, 1103147, 1103148, 1103149, 1103151, 1103152, 1103154, 1103158 1103160, 1103162, 1103165, 1103166, 1103171, 1103172, 1103173, 1103174, 1103175, 1103183, 1103184, 1103187, 1103188, 1103196, 1105066, 1105068, 1105069, 1105070, 1105072 1105073, 1105074, 1105098, 1105162, 1105163, 1105164, 1105165, 1105166, 1105167, 1105169, 1105170, 1105171, 1105172, 1105173, 1105174, 1105175, 1105176, 1105177, 1105178 1105420, 1105422, 1105423, 1105424, 1105429, 1105434, 1105514, 1105558, 1105559, 1105573, 1105574, 1105586, 1105619, 1105645, 1117839, 1117880, 1117885, 1117886, 1117887 1117890, 1117891, 1117892, 1117894, 1117895, 1117896, 1117897, 1117898, 1117899, 1117900, 1117903, 1117904, 1117905, 1117911, 1117912, 1117913, 1117914, 1117915, 1117916 1117917, 1117918, 1117919, 1117920, 1117921, 1117922, 1117924, 1117925, 1117926, 1117927, 1117928, 1117929, 1117931, 1117932, 1117933, 1117934, 1117936, 1117937, 1117940 1117942, 1117944, 1117945, 1117946, 1117947, 1117948, 1117949, 1117950, 1117951, 1117952, 1117953, 1117954, 1117955, 1117956, 1117958, 1117959, 1117961, 1117962, 1117963 1117964, 1117966, 140924, 1894564, 19010100, 19010108, 19010111, 19010114, 19010115, 19010118, 19010120, 19010124, 19010126, 19010127, 19010129, 19010134, 19010136, 19010137, 19010138, 19010141, 19010145, 19010147, 19010153, 19010154, 19010155, 19010156, 19010157, 19010158, 19010159, 19010160, 19010161, 19010162, 19010163, 19010166 19010168, 19010171, 19010173, 19010174, 19010176, 19010178, 19010181, 19010182, 19010185, 19010193, 19020382, 19020391, 1995564, 81110564, BRA2003

APLICAÇÕES

CASE COLHEITADEIRA CHT2500B, COLHEITADEIRA CHW2500B **CATERPILLAR** TRATOR CHALLENGER 35, TRATOR CHALLENGER 45, TRATOR CHALLENGER 55 **CHALLENGER** TRATOR 35, TRATOR 45, TRATOR 55 **CUMMINS** MOTOR 6CTAA, MOTOR NTA855, MOTOR NTA855-P250 **GMC** CAMINHÕES 12170, CAMINHÕES 14190, CAMINHÕES 15190, CAMINHÕES 16220 **JOHN DEERE** COLHEITADEIRAS **MERCEDES-BENZ** CAMINHÕES 1215, CAMINHÕES 1218 EL, CAMINHÕES 1218 L, CAMINHÕES 1418 EL, CAMINHÕES 1418 L, CAMINHÕES 1718, CAMINHÕES 1725, CAMINHÕES 2423, CAMINHÕES 2428, CAMINHÕES 712 C, CAMINHÕES 715, CAMINHÕES 914 C, CAMINHÕES 915 C, ÔNIBUS O914 L, ÔNIBUS OF1417

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
RX-130	DELCO-REMY	12V	8,0 x 5,0 x 16,8	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM CARAVAN, MONZA, OPALA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/12	DELCO-REMY	12V	8,0 x 5,0 x 12,7	

PART Nº

7324793

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM CAMINHÕES A10 COM MOTOR PERKINS, CAMINHÕES A60 COM MOTOR PERKINS, CAMINHÕES C10 COM MOTOR PERKINS, CAMINHÕES D10 COM MOTOR PERKINS, CAMINHÕES D70 COM MOTOR PERKINS, CAMINHÕES D80 COM MOTOR PERKINS, CHEVETTE, OPALA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/12-E	DELCO-REMY	12V	8,0 x 5,0 x 12,7	

PART Nº

7324793

Nº DO ARRANQUE

7023472002, 7023472004, 7023472008, 7023472014, 7023472018, 7023472022, 7023472023, 7023472024, 7023472026, 7023472027, 7023472028, 7023472032, 7023472033, 7023472035, 7023472037, 7023472038, 7023472042, 7023472048, 7023472053, 7023472057, 7023472062, 7023472065, 7023472066, 7023472067, 7023472068

APLICAÇÕES

OBSERVAÇÕES Serve para todo modelos Opala e Chevette da GM **CHEVROLET-GM** CAMINHÕES A10 COM MOTOR PERKINS, CAMINHÕES A60 COM MOTOR PERKINS, CAMINHÕES C10 COM MOTOR PERKINS, CAMINHÕES D10 COM MOTOR PERKINS, CAMINHÕES D70 COM MOTOR PERKINS, CAMINHÕES D80 COM MOTOR PERKINS, CHEVETTE, OPALA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/14	DELCO-REMY	12V	5,0 x 8,0 x 24,0	

PART Nº

94604314

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM CAMINHÕES COM MOTOR DETROIT DIESEL, CHEVETTE 55 AMP A PARTIR DE 82, IPANEMA, KADETT, OPALA A PARTIR DE 79

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/14-E	DELCO-REMY	12V	5,0 x 8,0 x 24,0	

PART Nº

1852002,1876873

Nº DO ARRANQUE

2751/TYPE200, 2751/TYPE202, 2751/TYPE205

APLICAÇÕES

CHEVROLET-GM CAMINHÕES COM MOTOR DETROIT DIESEL, CHEVETTE 55 AMP A PARTIR DE 82, IPANEMA, KADETT, OPALA A PARTIR DE 79

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/15	DELCO-REMY	12V	8,0 x 5,0 x 22,5	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

CHEVROLET-GM ASTRA, CALIBRA, CORSA 1.6, CORSA GL, CORSA GLS, CORSA WIND, KADETT, OMEGA CD, OMEGA GL, OMEGA GLS, VECTRA CD A PARTIR DE 95, VECTRA GL A PARTIR DE 95, VECTRA GLS A PARTIR DE 95 **DIVERSAS** DAEWOO, SUZUKI

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ML-262/16	DELCO-REMY	12V	5,0 x 8,0 x 21,5	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Aplicado em alternador Delco Coreano 100 Amperes, todos com ar condicionado. **CHEVROLET-GM** ASTRA, KADET, MONZA, OMEGA, VECTRA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
JX-42N	DENSO	12V	4,0 x 7,0 x 16,0	

PART Nº

1012100780,51759994,63321788,63321660,51876424

Nº DO ARRANQUE

APLICAÇÕES

FIAT PALIO, PUNTO, SIENA, TEMPRA **GM** CELTA, CORSA, PRISMA

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
JX-32	FIAT	12/24V	5,0 x 8,0 x 15,0	

PART Nº

Nº DO ARRANQUE

0120339526, 0120339537, 0120339538, 0120400639, 0120400665, 0120400725, 0120400760, 0120400761, 0120400762, 0120400763, 0120400784, 0120400829, 0120469509, 0120489612, 0120489638, 0120489639, 0120489661, 0120489682, 0120489792, 0120489793, 0120489794, 0120489795, 0120489796, 11201017, 11201023, 11201026, 11201027, 11201030, 11201036, 11201037, 11201038, 11201042, 11201050, 11201052, 11201055, 11201060, 11201062, 11201066, 11201067, 11201068, 11201069, 11201070, 11201071, 11201077 11201078, 11201083, 11201087, 11201093, 11201094, 11201095, 11201096, 11201097, 11201098, 11201101, 11201102, 11201107, 11201112, 11201116, 11201117, 11201122, 11201127 11201131, 11201132, 11201133, 11201143, 11201145, 11201146, 11201147, 11201151, 11201155, 11201162, 11201186, 11201198, 11201201, 11201203, 11201204, 11201205, 11201207 11201208, 11201209, 11201210, 11201211, 11201214, 11201215, 11201219, 11201220, 11201222, 11201226, 11201230, 11201242, 11201244, 11201245, 11201248, 11201255, 11201256 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APLICAÇÕES

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-63/0	FORD / MOTORCRAFT	12V	7,5 x 4,0 x 18,3	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

FORD 75-90 AMP. ER/EF

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FX-64/0	FORD / MOTORCRAFT	12V	7,5 x 4,0 x 12,1	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

FORD SÉRIE 2G IR/EF

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFX-2216	FORD / MOTORCRAFT	12V	4,0 x 7,6 x 17,3	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS FORD

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
JX-42	MAGNETI MARELLI	12/24V	4,2 x 7,2 x 17,5	

PART Nº

7970502,1-7970745,7970501,7970741

Nº DO ARRANQUE

063320203010, 063320204010, 063320219010, 063320227010, 063320238010, 1012100780, 1012101960, 1022118571, 46554404, 46765842, 51759994, 518469540, 51848611, 51866002 51876423, 51876424, 519547220, 5812005300, 5812005600, 63320025, 63320200, 63320203, 63320204, 63320219, 63320227, 63320238, 6332100, 63321001, 63321003, 63321007, 63321011, 63321013, 63321021, 63321023, 63321025, 63321042, 63321064, 63321071, 63321205, 63321205010, 63321234, 63321234010, 63321235, 63321235010, 63321281, 63321340 63321494, 63321660, 63321765, 63321788, 83611361, 85561291, 85561291010, 93315237, 93339575, 93390879, 9665067980, GA121, GA129, GM-93390879, IK5121HD, IXJ30007, L9106;, MMRT510099, MS1012101360, MS1012101590, MS1012101600, MS1012101620, RT510063, RT510099, RT510253, RTM121A, RTM151B, RTM151C, RTM152A, RTM154A

APLICAÇÕES

OBSERVAÇÕES Aplicado em Reguladores (Ex: IK-5121HD,IK5598,Gauss GA148) - Alternador Denso **CHEVROLET - GM** CELTA, CORSA, PRISMA **FIAT** PALIO, PUNTO, SIENA, TEMPRA, TIPO IE 1.6 L 8V SOHC L4 (1993-1995), TIPO IE 1.6 L 8V SOHC L4 (1995-1997), TIPO SLX/16V IE 2.0 L 16V DOHC L4 (1993-1995), UNO, UNO WAY

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
FJX-675	MITSUBISHI	24V	4,5 x 8,0 x 19,0	

PART Nº

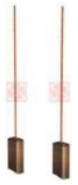
21401675,21401683,21652996

Nº DO ARRANQUE

21401675, 3716A, A004TR6293ZT, IK5293

APLICAÇÕES

OBSERVAÇÕES IK5293 **MITSUBISHI** 24V110AMP **VOLVO** FH12, FH13, FH162015>, FMX2015>



REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
KPX-202	POONG SUNG	12/24V	5,0 x 8,0 x 18,0	

PART Nº

K740.18.300I/H

Nº DO ARRANQUE

0210000140, 0210000351, 0210000430, 0210000441, 0210000470, 0210000812, 0210000813, 0210000814, 0210001083, 0210001242, 0210001321, 0210001322, 0210001330, 0210001332, 0210001340, 0210001342, 0210001343, 0210001602, 0210001603, 0210001608, 0210001800, 0210001830, 0210001840, 0210001860, 0210001861, 0210001870, 0210001871, 0210001881, 0210001970, 0210002422, 0210002470, 0210002490, 0210002500, 0210002522, 0210002532, 0210002542, 0210002840, 0210002901, 0210002991, 0210003000, 0210003010, 0210003021, 0210003030, 0210003040, 0210003061, 0210003180, 0210003270, 0210003280, 0210003340, 0210003460, 0210003500, 0210003540, 0210003541, 0210003600, 0210003610, 0210003620, 0210003630, 0210003640, 0210003641, 0210003650, 0210003660, 0210003671, 0210003690, 0210003700, 0210003710, 0210003720, 0210003721, 0210003760, 0210003780, 0210003790, 0210003830, 0210003840, 0210003950, 0210004110, 0210004131, 0210004240, 0210004260, 0210004271, 0210004390, 0210004410, 0210004480, 0210004510, 0210004550, 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APLICAÇÕES

DIVERSAS DAIHATSU, DENSO, HONDA, HYUNDAI, ISUZU, MITSUBISHI, POONGSUNG, SUZUKI, TOYOTA **KIA** BESTA COM MOTOR 2.2 L 8V SOHV L4 (1993-1998)

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
KPX-203	POONG SUNG	12/24V	5,0 x 8,0 x 18,0	

PART Nº

K71F.18.300

Nº DO ARRANQUE

APLICAÇÕES

KIA MOTORS BESTA 2.7 DIESEL 2WD 16 L 2.7 L 8V SOHV L4 (1993-1999)

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
KPX-204	POONG SUNG	12V	5,0 x 8,0 x 18,0	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

ASIA MOTORS TOPIC

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFX-2207	PRESTOLITE - LUCAS INDIEL	12V	5,0 x 8,0 x 26,0	

PART Nº

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS PEUGEOT, RENAULT, VOLKSWAGEN

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ULB-120	PRESTOLITE - LUCAS INDIEL	12V	4,5 x 8,0 x 16,0	

PART Nº

35212753

Nº DO ARRANQUE

35212753, 35212864, 35213143, 35213295, 35213375, 35213395, 35213435, 35213500, 35213570, 35213655, 35213660, 35213735, 35213740, 35213745, 35213770, 35213780, 35213795 35213800, 35213820, 35213850, 35213855, 35213895, 35213905, 35213935, 35213940, 35213995, 35214010, 35214040, 35214090, 35214100, 35214105, 35214205, 35214325, 35214340 35214465, 35214740

APLICAÇÕES

CHEVROLET-GM C20 (C/ MOTOR MAXION S4), D20 (C/ MOTOR MAXION S4) **FIAT** DUNA 1.3, DUNA 1.3DIESEL, DUNA 1.4, FIORINO 1.3, FIORINO 1.3 DIESEL, FIORINO 1.4, REGATA 1.5, SPAZIO 1.3, SPAZIO 1.3 DIESEL, SPAZIO 1.4, UNO VIVACE 1.4 **FORD** ESCORT 1.8 AP, ESCORT 2.0 AP, F100, F150, F250, F350, F4000 4CIL COM MOTOR MWM, F7000 4CIL COM MOTOR MWM **JOHN DEERE** COLHEITADEIRAS, TRATOR 2140, TRATOR 2850, TRATOR 3140, TRATOR 3350, TRATOR 3540 **MERCEDES-BENZ** CAMINHÕES 1112, CAMINHÕES 1114, CAMINHÕES 1215 L, CAMINHÕES 608 LD, CAMINHÕES 709 L, CAMINHÕES 710 L, CAMINHÕES 912 L, CAMINHÕES 913 L **PEUGEOT** 504, 505 **VOLKSWAGEN** GOL 1.6 AP, GOL 1.6 DIESEL, GOL 1.8 AP, PARATI 1.6 AP, PARATI 1.8 AP, POINTER 1.6 AP, POINTER 1.8 AP, POINTER 2.0 AP, SAVEIRO 1.6 AP, SAVEIRO 1.6 AP DIESEL, SAVEIRO 1.8 AP, SAVEIRO 1.8 AP DIESEL

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-ULB-121	PRESTOLITE - LUCAS INDIEL	12V	4,5 x 8,0 x 19,0	

PART Nº

35213167

Nº DO ARRANQUE

35213140, 35213165, 35213180, 35213300, 35213385, 35213400, 35213415, 35213440, 35213445, 35213450, 35213455, 35213505, 35213530, 35213540, 35213560, 35213580, 35213590 35213650, 35213665, 35213670, 35213675, 35213680, 35213685, 35213690, 35213725, 35213730, 35213750, 35213755, 35213760, 35213790, 35213830, 35213845, 35213862, 35213865 35213925, 35213930, 35213970, 35213995, 35214010, 35214015, 35214020, 35214040, 35214090, 35214100, 35214105, 35214130, 35214170, 35214230, 35214305, 35214310, 35214325 35214360, 35214375, 35214390, 35214395, 35214400, 35214430, 35214560, 35214680, 35214750, 35215080, 35215085, 35215090, 35215095, 35215120, 35215125, 35215235, 35215295 35215350, 35215385, 35215405, 35215435

APLICAÇÕES

CHEVROLET-GM C20 (C/ MOTOR MAXION S4), D20 (C/ MOTOR MAXION S4), S10 2.5 (C/ MOTOR MAXION HS) **FORD** ESCORT 1.6, ESCORT 1.6 CHT, F1000 2.5 COM MOTOR MAXION HS, F4000 ÁLCOOL, F4000 GASOLINA, HOBBY GL COM MOTORES CHT 1.6, HOBBY L COM MOTORES CHT 1.6, PICK-UP F1000, VERSAILLES **VOLKSWAGEN** GOL COM MOTOR 1.6 AP, GOL COM MOTOR 1.6 CHT, GOL COM MOTOR 1.8 AP, PARATI COM MOTOR 1.6 AP, PARATI COM MOTOR 1.6 CHT, PARATI COM MOTOR 1.8 AP, QUANTUM COM MOTOR 1.8 AP, QUANTUM COM MOTOR 2.0 AP, SANTANA COM MOTOR 2.0 AP, SANTANA COM MOTOR 1.8 AP, SAVEIRO COM MOTOR 1.6 AP, SAVEIRO COM MOTOR 1.8 AP, SAVEIRO COM MOTOR 1.6 CHT, VOYAGE COM MOTOR CHT 1.6 AP**VOLVO** FH NEW

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
SVX-7N	VALEO	12V	4,5 x 6,3 x 14,0	

PART Nº

Nº DO ARRANQUE

04C903023F, 2104248, 2181699, 2181726, 2181727, 2181730, 2183106, 2220239A, 2518017, 2518028, 2518044, 2518046, 2518054, 2518057, 2518058, 2518085, 2518086, 2541112, 2541116, 2541117, 2541118, 2541119, 2541120, 2541121, 2541122, 2541124, 2541127, 2541139, 2541142, 2541151, 2541154, 2541156, 2541159, 2541160, 2541169, 2541170, 2541171 2541173, 2541174, 2541180, 2541181, 2541182, 2541187, 2541197, 2541202, 2541204, 2541221, 2541222, 2541225, 2541226, 2541230, 2541233, 2541234, 2541235, 2541236, 2541245 2541247, 2541248, 2541251, 2541254, 2541257, 2541258, 2541259, 2541262, 2541264, 2541297, 2541298, 2541298A, 2541299, 2541299A, 2541300, 2541307, 2541307C, 2541307D, 2541308, 2541310, 2541311, 2541313, 2541321, 2541324, 2541325, 2541327, 2541328, 2541331, 2541339, 2541340, 2541341, 2541344, 2541348, 2541349, 2541350, 2541354, 2541355 2541356, 2541356A, 2541359, 2541360, 2541361, 2541362, 2541363, 2541364, 2541366, 2541367, 2541368, 2541376, 2541384, 2541386, 2541387, 2541393, 2541393E, 2541394, 2541399, 2541410, 2541412, 2541415, 2541416, 2541416F, 2541417, 2541417K, 2541420, 2541424, 2541434, 2541435, 2541438, 2541439, 2541441, 2541442, 2541443, 2541444, 2541445, 2541446, 2541447, 2541447A, 2541448, 2541455, 2541457, 2541457B, 2541458, 2541459, 2541460, 2541461, 2541464, 2541465, 2541466, 2541467, 2541468, 2541469, 2541470, 2541471, 2541473, 2541475, 2541478, 2541485, 2541489, 2541490, 2541491, 2541494, 2541600, 2541602, 2541602A, 2541602F, 2541603, 2541604, 2541608, 2541609, 2541610, 2541610G, 2541612, 2541613, 2541617, 2541617A, 2541617B, 2541619, 2541620, 2541620A, 2541620B, 2541625, 2541641, 2541642, 2541642G, 2541643, 2541645, 2541655, 2541658, 2541665, 2541665B, 2541665C, 2541672, 2541675, 2541676, 2541677, 2541678, 2541679, 2541679C, 2541680, 2541683, 2541683A, 2541684, 2541694, 2541694D, 2541695, 2541696, 2541697, 2541697B, 2541703, 2541710, 2541710B, 2541711, 2541712, 2541713, 2541714, 2541717, 2541718, 2541719, 2541720, 2541724, 2541725, 2541726, 2541728, 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2541953 2541954, 2541959, 2541960, 2541961, 2541962, 2541963, 2541965, 2541967, 2541968, 2541969, 2541970, 2541971, 2541976, 2541977, 2541978, 2541979, 2541980, 2541980A, 2541980B, 2541981, 2541982, 2541983, 2541984, 2541985, 2541988, 2541989, 2541992, 2541995, 2541997, 2541998, 2541999, 2542201, 2542202, 2542203, 2542223, 2542224, 2542227 2542228, 2542231, 2542233, 2542240, 2542251, 2542252, 2542253, 2542254, 2542256, 2542262, 2542263, 2542264, 2542265, 2542267, 2542270, 2542273, 2542275, 2542279E, 2542282E, 2542285, 2542286, 2542287, 2542289, 2542291, 2542294, 2542297, 2542302, 2542308, 2542309, 2542310, 2542315, 2542316, 2542319E, 2542320, 2542322, 2542324, 2542326, 2542327, 2542343, 2542344, 2542347, 2542351, 2542352, 2542355, 2542356, 2542357, 2542358, 2542363, 2542364, 2542365, 2542366, 2542367, 2542368, 2542375, 2542376 2542388, 2542394, 2542396, 2542397, 2542398, 2542399, 2542400, 2542402, 2542413, 2542414, 2542415, 2542416, 2542417, 2542418, 2542427, 2542428, 2542433, 2542464, 2542471 2542479, 2542480, 2542483, 2542485, 2542487, 2542488, 2542490, 2542491, 2542493, 2542494, 2542495, 2542500, 2542508, 2542515, 2542516, 2542524, 2542525, 2542526, 2542531 2542538, 2542543, 2542545, 2542546, 2542547, 2542551, 2542553, 2542584, 2542602, 2542603, 2542605, 2542637, 2542645, 2542662, 2542678, 2542686, 2542687, 2542687C, 2542729 2542739, 2542742, 2542751, 2542771, 2542771B, 2542772, 2542774, 2542793, 2542794, 2542802, 2542803, 2542813, 2542814, 2542815, 2542819, 2542897, 2542920, 2542922, 2542922A, 2542923, 2542923A, 2542945, 2542949, 2542952, 2542954, 2542955, 2543206, 2543208, 2543210, 2543215, 2543248, 2543264, 2543313, 2543313E, 2543343, 2543344, 2543363, 2543369, 2543374, 2543388, 2543412, 2543426A, 2543439, 2543479, 2543479A, 2543492, 2543498, 2543498A, 2543498B, 2543509, 2543521, 2543523, 2543551, 2543562, 2543564, 2543570, 2543576, 2543595, 2543595A, 2543596, 2543596A, 2543596B, 2543597, 2565994, 2565995, 2605106, 2605275, 2605290, 2606301, 2606301A, 2607208, 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A11VI18, A11VI21, A11VI22, A11VI23, A11VI24, A11VI25, A11VI26, A11VI28, A11VI29, A11VI30, A11VI31, A11VI32, A11VI35, A11VI36, A11VI37, A11VI38, A11VI40, A11VI42, A11VI43, A11VI44, A11VI45, A11VI46, A11VI47, A11VI48, A11VI49, A11VI51, A11VI54, A11VI55, A11VI56, A11VI57, A11VI59, A11VI61, A11VI62, A11VI64, A11VI66, A11VI67, A11VI72, A11VI76, A11VI77, A11VI79, A11VI81, A11VI85, A11VI86, A11VI87, A11VI88, A11VI89, A11VI91, A11VI92, A11VI93, A11VI94, A11VI95, A11VI96, A11VI97, A11VI98, A11VI99, A12M11, A12M15, A12M16, A12M17, A12M9, A12R22, A12R30, A12R31, A12R32, A12R33, A12R34, A12R36, A12R37, A12R38, A12R43, A12R44, A12R46, A12R50, A12R52, A12R53, A12R73, A12RP73, A13E09, A13E19, A13E23, A13E25, A13E26, A13E39, A13E41, A13E43, A13E45, A13E50, A13E58, A13E63, A13E66, A13E67, A13N10, A13N101, A13N102, A13N104, A13N106, FG18S109, GA939, HD90S010, HD90S011, HD90S013, HD90S013ZD, HD90S014, HD90S014ZD, HD90S015, HD90S015ZD, HD90S016ZD, HD90S017ZD, HD90S018ZD, HD90S019ZD, HD90S020ZD, HD90S021ZD, IK5939, RT510253, SG10B010, SG10B012, SG10B013, SG10B014, SG10B017, SG10B022, SG10B023, SG10B024, SG10B034, SG10B041, SG10B048, SG12B011, SG12B020, SG12B023, SG12B024, SG12B025, SG12B027, SG12B045, SG12B048, SG12B049, SG12B054, SG12B087, SG12B090, SG12S051, SG12S055, SG12S077, SG14B010, SG14B016, SG14B022, SG15L012, SG15L013, SG15L020, SG15L023, SG15L026, SG15L027, SG15L033, SG15L034, SG15L035, SG15L036, SG15S018, SG7S014, SG7S016, SG7S017 SG7S018, SG7S020, SG7S021, SG7S024, SG7S028, SG7S074, SG8B011, SG8B017, SG8B021, SG8B022, SG9B010, SG9B013, SG9B017, SG9B024, SG9B038, SG9B039, SG9B043, SG9B049, SG9B051, SG9B056, SG9B063, SG9B064, SG9B065, SG9B066, SG9B067, SG9B068, SG9B079, SG9B082, SG9B092, SG9B093, SG9B096, SG9B127, SG9B128, TA000A52202 TG10C027, TG11C021, TG11C034, TG11C035, TG11C041, TG11C055, TG11C060, TG11C064, TG11C066, TG11C067, TG11C069, TG11C074, TG12C021, TG12C037, TG12C059, TG12C087, TG12C105, TG12C170, TG14C011, TG14C023, TG14C025, TG14C034, TG14C068, TG15C015, TG15C017, TG15C034, TG15C056, TG15C057, TG15C065, TG15C091, TG15C115, TG15C121, TG15C125, TG16C013, TG17C041, TG17C054, TG17C061, TG6S010, TG6S011, TG7S010, TG7S014, TG7S019, TG8S017, TG8S025, TG9B024, TG9B025, TG9B028, TG9B042, TG9B043, TG9B045, TG9B049, TG9B064, TG9B068, TG9S011, TG9S039, TG9S122, TG9S125, TG9S126, TG9S129, TG9S132

APLICAÇÕES

FIAT DOBLÒ 1.8, DUCATO 2.8, IDEA 1.8, PALIO C/MOTOR 1.8, PUNTO 1.8, STILO C/MOTOR 1.8 **FORD** COURRIER ZETEC ROCAM 1.6, ECOSPORT, ESCORT, FIESTA, KA, NOVO FIESTA, SW **GM** ASTRA, BLAZER, CELTA1.0, CORSA, CORSAWAGON, MERIVA, OMEGA, S10DIESEL, VECTRA **MBB** CLASSEA190 **NISSAN** FRONTIER2.8TD, NISSANXTERRA2.8TD **TROLLER** TROLLERT4/T4M **VW** AMAROK2.0TDI, FOXBLUEMOTION, GOLF, UP1.0, VOYAGE

REFERENCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
SVX-9N	VALEO	12V	4,5 x 6,3 x 15,0	

PART Nº

493.811,493.829,593.384,593.396,593.458,593.477,593.480,593.529,593.534,SG.9B.082,2.542.299,93.312.974

Nº DO ARRANQUE

2008493.811, 2542604, 2605966, 2612192, 501403, 593.529, 8200778246B, 93.384593.480, GA946, IK5492, SG12S, SG8B017, SG9B0, SG9B04, SG9B043, SG9B120, SG9B128, VA593384, X119681

APLICAÇÕES

OBSERVAÇÕES 2008493.811 - Regulador Volt.Valeo Zetec Rocan 1.0/1.6 90-1 593.384 / Regulador Volt.Valeo 75A Peugeot 206 1.0 593.480 / Regulador SG8B017/SG9B0 593.529 / Regulador SG9B043/SG12S **CHEVROLET-GM** MERIVA 1.4 **FORD** COURRIER ZETEC ROCAM 1.0, COURRIER ZETEC ROCAM 1.6, ECOSPORT 1.0, ECOSPORT 1.0 SUPERC, ECOSPORT 1.6, ESCORT SW 1.6 ZETEC ROCAM, FIESTA SEDAN 1.0 C/ AC, FIESTA SEDAN 1.6 C/ AC, KA 1.0 ZETEC ROCAM C/AC, KA 1.6 ZETEC ROCAM C/AC, NOVO FIESTA SEDAN 1.0 C/ AC, NOVO FIESTA SEDAN 1.0 SUPERCHARGER, NOVO FIESTA SEDAN 1.6 C/ AC **PEUGEOT** 206 1.0 S/AC (10/2002) **RENAULT** CLIO 1.0 16V 01 S/ AC S/ DH (07/02), CLIO 1.0 99 S/ AC S/ DH (07/02), CLIO 1.6 C/ AC (12/2000), CLIO 1.6 S/ AC S/ DH (07/02), KANGOO 1.0(2002), KANGOO 1.6 C/AC (12/00), KANGOO 1.6 S/AC S/DH(07/02), MÉGANE 1.6 16V C/AC (2000), MÉGANE 2.0 C A/C (12/02), SCENIC 1.6 C/AC (2000), SCENIC 1.6 S/ AC 02, SCENIC 2.0 C/ AC (12/02)

SULCARBON

ESCOVAS AUTOMOTIVAS

Eletroventiladores

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
3AX-45	BOSCH - WAPSA	12V	8,0 x 9,0 x 17,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Para ventilador universal **DIVERSAS** VENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
BX-011-12V	BOSCH - WAPSA	12V	8,0 x 9,0 x 17,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS VENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVCUX-01-12V	BOSCH - WAPSA	12V	7,0 x 8,0 x 20,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS VENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVGX-01	BOSCH - WAPSA	12V	8,0 x 8,0 x 23,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Aplicado em ventiladores. **CHEVROLET-GM** MONZA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVX-326	BOSCH - WAPSA	12V	10,0 x 7,0 x 20,0	

Nº ORIGINAL

Nº DO ARRANQUE

377959455H, F006B10257, F006KM0610, F006KM0615

APLICAÇÕES

DIVERSAS ELETROVENTILADOR BOSCH A PARTIR DO ANO DE 2000 **VOLKSWAGEN** GOL G2, GOL G3

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVX-5	BOSCH - WAPSA	12V	6,3 x 8,0 x 20,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

DIVERSAS VENTILADORES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVX-2-12V	FIAT	12V	9,0 x 8,5 x 14,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

FIAT VENTILADOR

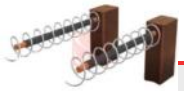
REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
EVX-1-12V	FORD / MOTORCRAFT	12V	8,0 x 8,0 x 20,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

FORD VENTILADOR



REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IMX-003	IMOBRÁS	24V	8,8 x 6,4 x 19,4	

Nº ORIGINAL

Nº DO ARRANQUE

1011.003.24, 1012.102.24, 1012.126.24, 1013.400.24, 1013.401.24

APLICAÇÕES

IMOBRÁS CLIMATIZADOR 24V, ELETROVENTILADOR, ELETROVENTILADOR AXIAL ASPIRANTE 12, ELETROVENTILADOR AXIAL SOPRANTE 12, ELETROVENTILADOR CALEFAÇÃO RADIAL SIMPLES, ELETROVENTILADOR DE A/C (EVAPORADOR) RADIAL SIMPLES, ELETROVENTILADOR DESEMBAÇADOR RADIAL DUPLO 3V

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IMX-006	IMOBRÁS	12/24V	9,8 x 7,8 x 23,1	

Nº ORIGINAL

Nº DO ARRANQUE

1011400, RDT74-71R100SC/C3VLLL

APLICAÇÕES

IMOBRÁS ELETROVENTILADOR RADIAL DUPLO 12V E 24V **SPAL** ELETROVENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IMX-027	IMOBRÁS	12/24V	9,7 x 7,8 x 34,0	

Nº ORIGINAL

Nº DO ARRANQUE

1011.128.24, 1011400, 1012.119.24, RDT74-71R100SC/C3VLLL

APLICAÇÕES

DIVERSAS Longa vida 3 velocidades **IMOBRÁS** ELETROVENTILADOR CALEFAÇÃO RADIAL SIMPLES, ELETROVENTILADOR DE A/C (EVAPORADOR) RADIAL DUPLO, ELETROVENTILADOR RADIAL DUPLO 12V E 24V **SPAL** ELETROVENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IMX-028	IMOBRÁS	12/14V	9,8 x 7,8 x 34,0	

Nº ORIGINAL

Nº DO ARRANQUE

1011.450.24, RDT74-71R1003VLLL

APLICAÇÕES

IMOBRÁS ELETROVENTILADOR, ELETROVENTILADOR DE A/C (EVAPORADOR) RADIAL DUPLO

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
IMX-029	IMOBRÁS	12/24V	8,7 x 6,4 x 24,7	

Nº ORIGINAL

Nº DO ARRANQUE

101407612, 101407624

APLICAÇÕES

IMOBRÁS ELETROVENTILADOR DESEMBAÇADOR RADIAL DUPLO 3V, MOTORES DE 4 POLOS LL

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-TMK-01	THERMO KING	12V	9,5 x 21,0 x 25,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Aplicado em ventiladores para refrigeração em caminhões frigoríficos. **THERMO KING** VENTILADORES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-VEN-01	VALEO	12V	8,4 x 6,1 x 17,2	

Nº ORIGINAL

Nº DO ARRANQUE

A13101613DC, M134989, T961201

APLICAÇÕES

OBSERVAÇÕES Aplicado em eletroventilador. **AUDI** A3, A4, A5, Q3, Q5 **FORD** FIESTA ANO 2014 ATÉ 2015) **NISSAN** VERSA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
VMX-094		12V	6,5 x 8,0 x 20,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES
OBSERVAÇÕES Aplicado em ventiladores. **DIVERSAS** VENTILADOR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
VMX-095		12V	9,0 x 10,0 x 26,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES
OBSERVAÇÕES Aplicado em ventiladores. **DIVERSAS** VENTILADOR

SULCARBON

ESCOVAS AUTOMOTIVAS

Motocicletas

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
SCBX-907	BOSCH - WAPSA	12V	7,3 x 5,8 x 7,3	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

KAWASAKI JET SKI **SEA DOO** JET SKI BOMBARDIER

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
CBSX-100	HONDA	12V	6,0 x 10,0 x 13,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

HONDA CBX AERO 150, CBX-200, CG TITAN 125, NX-150, NX-200, RX-200, SAHARA 350

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-9902	HONDA	12V	5,0 x 10,0 x 12,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Reparo 31201 ICG7 000; Reparo 3 AJ 81801 00. **HONDA** 750 **YAMAHA** MOTOS XV 250, MOTOS TENERÉ, MOTOS VIRAGO, MOTOS YBR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-9903	HONDA	12V	9,5 x 6,0 x 10,1	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

YAMAHA YBR

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFSX-9905	HONDA	12V	7,5 x 6,0 x 8,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

HONDA MOTOS CG 150

SULCARBON

ESCOVAS AUTOMOTIVAS

Diversos

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
MLAX-2029-12V	BOSCH - WAPSA	12V	6,0 x 6,2 x 10,9	

Nº ORIGINAL

Nº DO ARRANQUE

0130821424

APLICAÇÕES

OBSERVAÇÕES Aplicado em motores de redução elétrica. **DIVERSAS** REDUÇÃO ELÉTRICA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-LIMPADOR BOSCH OPALA	BOSCH - WAPSA	12V	6,3 x 6,3 x 12,0	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Aplicado em motor de limpador de para-brisa dianteiro Bosch de 2 velocidades do Opala. **CHEVROLET-GM** LIMPADOR OPALA DUAS VELOCIDADES

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-LIMPADOR BOSCH VOLKS	BOSCH - WAPSA	12V	6,0 x 4,5 x 10,7	

Nº ORIGINAL

Nº DO ARRANQUE

77539100, 9390082022, 9390083018, TGE64342640, TGE96342640

APLICAÇÕES

OBSERVAÇÕES Aplicado o Jogo de escovas Universal para motor de limpador de para-brisa dianteiro Bosch de 2 velocidades. **CHEVROLET-GM** CARRO MONZA, CHEVETTE **FIAT** CARROS 147, ELBA FIORINO, PRÊMIO, UNO **VOLKSWAGEN** FUSCA 1300, FUSCA 1500, FUSCA 1600, GOL, SANTANA, SAVEIRO, VOYAGE

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
UFX-6603	DELCO-REMY	12V	5,0 x 5,0 x 11,5	

Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES

OBSERVAÇÕES Aplicado em limpador de para-brisa. **CHEVROLET-GM** D-20, MONZA, OPALA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DAX-1330	DENSO	24V	7,0 x 8,5 x 24,5	

Nº ORIGINAL

162771-1330

Nº DO ARRANQUE

02825001510, M02825001510

APLICAÇÕES

DIVERSAS MOTOR DO EVAPORADOR (CENTRÍFUGO DUPLO) - EQUIPAMENTOS DENSO DE AR CONDICIONADO DE ÔNIBUS MODELOS RP1

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DAX-1340	DENSO	24V	7,0 x 8,5 x 24,5	

Nº ORIGINAL

162771-1340

Nº DO ARRANQUE

02825001510, M02825001510

APLICAÇÕES

DIVERSAS MOTOR DO EVAPORADOR (CENTRÍFUGO DUPLO) - EQUIPAMENTOS DENSO DE AR CONDICIONADO DE ÔNIBUS MODELOS RP1

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DAX-6131	DENSO	24V	5,0 x 11,0 x 22,0	

Nº ORIGINAL

168095-6131

Nº DO ARRANQUE

168000-6561

APLICAÇÕES

DIVERSAS VENTILADOR DO CONDENSADOR MODELOS SD8 RP100 E RP120

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
DAX-6141	DENSO	24V	5,0 x 11,0 x 22,0	

Nº ORIGINAL

168095-6141

Nº DO ARRANQUE

168000-6561

APLICAÇÕES

DIVERSAS VENTILADOR DO CONDENSADOR MODELOS SD8 RP100 E RP120

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-EMP-01	TOYOTA	48V	8,0 x 8,0 x 12,3	

Nº ORIGINAL

Nº DO ARRANQUE

10014, 1060710871009, 166398, 214561, 220674, 334691, 3360845MM, 3C483031CH, 50564C, 7197695, 7535643

APLICAÇÕES

OBSERVAÇÕES Escova para motor da direção. **TOYOTA** 6FBRE, 7FBRE, BT, RRB2, RRE160M, SWE

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-VAP-01	VAPOR BUS INTERNATIONAL	24V	6,1 x 6,3 x 7,5	

Nº ORIGINAL

Nº DO ARRANQUE

5144009201

APLICAÇÕES

CAIO MOTOR DA PORTA SISTEMA ELÉTRICO(FNA) DO VIP 4(2021) **ÔNIBUS** MOTORES DE ABERTURA DE PORTA

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-EMP-02		24V	10,0 x 25,0 x 30,5	

Nº ORIGINAL

Nº DO ARRANQUE
4497958, GF084-G5

APLICAÇÕES
OBSERVAÇÕES Escova aplicada no motor de tração **EMPILHADEIRA** PATOLADA STILL EGV 14 **STILL** EGU

REFERÊNCIA	FABRICANTE	TENSÃO	DIMENSÕES	TIPO DE ARRANQUE
X-PUMP-01		12V	3,8 x 5,7 x 10,3	

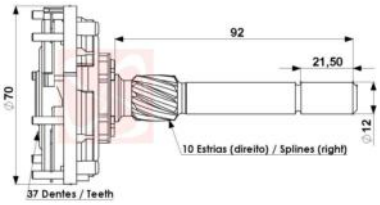
Nº ORIGINAL

Nº DO ARRANQUE

APLICAÇÕES
DIVERSAS BOMBA DE COMBUSTÍVEL

SULCARBON

PLANETÁRIAS



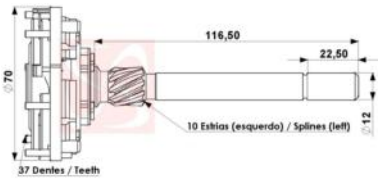
REFERENCIA		
P1-010		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200110, 1006200042	DW

MOTOR DE PARTIDA

0001107009, 0001107012, 0001107013, 0001107015, 0001107034, 0001107060, 9000081004, F000AL0116

APLICACOES

ALFA ROMEO 145 1.6 (1994-1996), 145 1.7 16V (1994-1996), 146 1.6 (1995-1996), 146 1.7 16V (1994-1996), 33 1.2 (1983-1989), 33 1.3 I.E. (1991-1994), 33 1.5 (1990-1993), 33 1.7 I.E. 16V (1990-1994), 33 1.8 TD (1990-1994), ALFA 145-1.6IE, ALFASUD GIARDINETTA 1.3 (1978-1979), ALFASUD SPRINT 1.3 (1976-1981), ALFASUD SPRINT 1.4 (1978-1989), ALFASUD SPRINT 1.5 VELOCE (1980-1987), ALFASUD SPRINT 1.7 (1987-1989), ARNA 1.2 (1985-1986), ARNA 1.3 TI (1983-1986), ARNA 1.5 **AUDI** 100 2.0 (1991-1994), 100 2.0 16V (1992-1994), 80 1.6 (1990-1991), 80 1.6 E (1994-1996), 80 2.0 (1991-1996), 80 2.0 16V (1992-1996), 80 2.0 QUATTRO (1991-1994), A4 1.6 (1994-2004), A4 1.8 (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 TURBO (1994-2004), A4 2.0 (2000-2004), A4 2.0 FSI (2001-2004), A6 1.8 (1994-2001), A6 1.8 QUATTRO (1995-1997), A6 1.8 TURBO (1997-2001), A6 1.8 TURBO QUATTRO (1997-2005), A6 2.0 (1994-2004), A6 2.0 16V (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), CABRIOLET 2.0 16V (1995-1996), COUPE 2.0 (1989-1995), COUPE 2.0 16V (1992-1992) **CHEVROLET - GM** 1.8, 1.8 EFI, 2.0, 2.0 EFI, 2.0 MPFI, ASTRA 1.8 MPFI, ASTRA 1.8I, ASTRA 2.0 MPFI, ASTRA 2.0I, ASTRA SEDAN 1.8I, ASTRA SEDAN 2.0 MPFI, ASTRA SEDAN 2.0 SFI 16V, ASTRA SEDAN 2.0I, BLAZER 2.2 EFI, IPANEMA 1.8, IPANEMA 1.8 EFI, IPANEMA 2.0, IPANEMA 2.0 EFI, IPANEMA 2.0 MPFI, KADETT 1.8, KADETT 1.8 EFI, KADETT 2.0 EFI, KADETT 2.0 MPFI, KADETT GS 2.0, KADETT GSI 2.0, MONZA 1.6, MONZA HATCH 1.6, MONZA HATCH 1.8, MONZA HATCH 2.0, OMEGA 2.0 MPFI, OMEGA 2.0I OMEGA 2.2 MPFI, OMEGA 2.2I, OMEGA SUPREMA 2.0 MPFI, OMEGA SUPREMA 2.0I, OMEGA SUPREMA 2.2 MPFI, OMEGA SUPREMA 2.2I, OMEGA SUPREMA 3.0I, S10 2.2 EFI, S10 MPFI, VECTRA 2.0 GSI 16V, VECTRA 2.0 MPFI, VECTRA 2.2 MPFI, ZAFIRA 2.0 MPFI **DIVERSAS** LOMBARDINI, RUGGERINI **OPEL** ASTRA 2.0I, ASTRA F 1.6 (1995-1998), ASTRA F 1.8 I (1993-1998), ASTRA F 2.0 GSI 16V (1995-1998), ASTRA G 2.0 (1997-2005), ASTRA G 2.0 TURBO 16V (2000-2005), ASTRA H 2.0 TURBO (2004->), CALIBRA 2.0I TURBO, CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1994-1997), CALIBRA A 2.0 I 16V (1995-1997), CALIBRA A 2.0 I 4X4 (1990-1997), CALIBRA A 2.0 I TURBO 4X4 (1995-1997), ESPERO 1.8 (1995->), ESPERO 2.0 (1991-1994), EVANDA 2.0 (2002->), FRONTERA A 2.0 I SPORT (1992-1998), FRONTERA A 2.2 I (1995-1998), FRONTERA B 2.2 I (1998-2004), KADETT E 1.8 I (1985-1991), LACETTI 1.8 (2004->), LEGANZA 2.0 16V (1997-2002), LEGANZA 2.2 16V (1999-2002), NUBIRA 1.8 (2005->), NUBIRA 2.0 16V (1997->), OMEGA 1.8I / 2.0I, OMEGA A 1.8 (1986-1987), OMEGA A 1.8 (1986-1994), OMEGA A 2.0 I (1986-2000), OMEGA B 2.0 I 16V (1993-1999), OMEGA B 2.2 I 16V (1999-2003), REZZO 2.0 (2005->), SINTRA 2.2 I 16V (1996-1999), SPEEDSTER 2.0 TURBO (2003->), TACUMA 2.0 (2000->), VECTRA 2.0I 16V, VECTRA A 1.8 I (1988-1995), VECTRA A 2.0 I (1988-1995), VECTRA A 2.0 I 16V (1994-1995), VECTRA B 1.6 I (1995-2002), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I (1995-2002), ZAFIRA A 2.0 (2001-2005), ZAFIRA A 2.0 OPC (2001-2005), ZAFIRA B 2.0 (2005->) **SAAB** 9-3 2.0 TURBO (1999-2003), 9-5 2.3 TURBO (2001->) **SKODA** SUPERB 1.8 TURBO 20V (2001-2004), SUPERB 2.0 (2001-2004) **VAUXHALL** ASTRA 2.0 TURBO (2002->), ASTRA 2.0 TURBO SRI (2002->), ASTRA D 1.6 S (1982-1986), ASTRA F 1.8 16V (1994-2001), ASTRA F 1.8 I (1991-2001), ASTRA F 2.0 I (1991-1998), ASTRA F 2.0 I 16V (1995-1998), ASTRA G 2.0 16V (1997-2005), ASTRA MK II 2.0 I (1987-1993), ASTRA MK III 1.8 I 16V (1994-1996), ASTRA MK III 2.0 I 16V (1994-1998), ASTRA MK IV 2.0 TURBO 16V (2000-2005), ASTRA MK V 2.0 TURBO (2004->), BELMONT 1.8 (1986-1993), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1990-1997), CARLTON 1.8 (1986-1994), CARLTON 2.0 (1986-1994), CAVALIER 2.0 I (1986-1988), CAVALIER 2.0 I 16V (1993-1995), CAVALIER 2.0 I 4X4 (1988-1995), CAVALIER MK 2.0 I TURBO 4X4 (1992-1995), FRONTERA A 2.0 I 4X4 SPORT (1992-1998), FRONTERA A 2.2 I 4X4 LONG (1995-1998), FRONTERA B 2.2 I (1995->), OMEGA 2.0 (1993-2000), OMEGA 2.0 16V (1993-1999), OMEGA 2.2 I 16V (1999-2004), SINTRA 2.2 I 16V (1996-1999), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I 16V (1995-2000), VECTRA B 2.2 I (1999-2001), VX 2.0 I TURBO 220 (2003->), ZAFIRA 2.0 TURBO 16V (2001->) **VW** PASSAT 1.6 (1996-2003), PASSAT 1.8 (1996-2000), PASSAT 1.8 SYNCRO 4-MOTION (1996-2000), PASSAT 1.8 TURBO (1997-2003), PASSAT 1.8 TURBO 20V (2000-2003), PASSAT 2.0 (2000-2003), PASSAT 2.0 4-MOTION (2000-2003) **REPARO DA PLANETÁRIA: RP-0080, RP-0056, RP-0133**



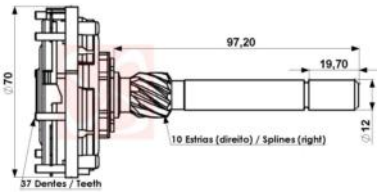
REFERENCIA		
P1-015		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F000AL1015	DW

MOTOR DE PARTIDA

9000081001, 9000081002, F000AL0125

APLICACOES

FORD ESCORT 1.6, ESCORT 1.6I, ESCORT 1.8, ESCORT 1.8I, ESCORT 2.0, ESCORT 2.0I, ESCORT 2.0I XR3, ESCORT HOBBY 1.0, ESCORT HOBBY 1.6, VERONA 1.6, VERONA 1.8, VERONA 1.8I, VERONA 2.0, VERONA 2.0I **SEAT** INCA 1.6 EFI **VOLKSWAGEM** LOGUS 1.6, LOGUS 1.8, LOGUS 2.0, LOGUS 2.0 VOLKSWAGEM: LOGUS I, LOGUS I, LOGUS MI, LOGUS MI VOLKSWAGEM: LOGUS VAN 1.6 MI, LOGUS POINTER 1.8, POLO CLASSIC 1.6 MI, POLO CLASSIC 1.8 MI **REPARO DA PLANETÁRIA: RP-0080, RP-0056, RP-0133**



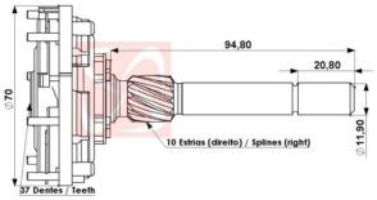
REFERENCIA		
P1-019		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F000AL1019	DW

MOTOR DE PARTIDA

9000081006, 9000081007

APLICACOES

DIVERSAS VERSAILLES 1.8I, VERSAILLES 2.0, VERSAILLES 2.0I **FORD** ROYALE 1.8I, ROYALE 2.0, ROYALE 2.0I **VOLKSWAGEN** GOL 2.0 GTI, GOL I 1.8, GOL II 1.8 MI, GOL II 1.8I, GOL II 2.0 MI, GOL II 2.0I, GOL III 1.8 MI, GOL III 2.0 MI, PARATI 1.8, PARATI I 1.6, PARATI II 1.8 MI, PARATI II 1.8I, PARATI II 2.0 MI, PARATI II 2.0I, PARATI III 1.8 MI, PARATI III 2.0 MI, QUANTUM 1.8 MI, QUANTUM 1.8I, QUANTUM 2.0 MI, QUANTUM 2.0I, SANTANA 1.8 MI, SANTANA 1.8I, SANTANA 2.0 MI, SANTANA 2.0I, SAVEIRO 1.8 MI, SAVEIRO I 1.8, SAVEIRO II 1.6 MI, SAVEIRO II 1.8 MI, SAVEIRO II 2.0 MI, SAVEIRO III 1.6 MI, SAVEIRO III 1.8 MI, SAVEIRO III 2.0 MI, VOYAGE 1.8, VOYAGE 1.8 SPECIAL **REPARO DA PLANETÁRIA: RP-0080, RP-0056, RP-0133**



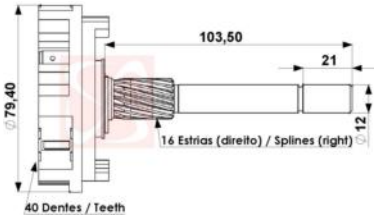
REFERENCIA		
P1-037		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F000AL1017, F000AL1037	DW

MOTOR DE PARTIDA

9000081005, 9000081008, F000AL0100

APLICACOES

FIAT PALIO 1.6 16V, PALIO WEEKEND 1.6 16V, TEMPRA 2.0, TEMPRA 2.0 MPI, TEMPRA TURBO 2.0 MPI 8V **REPARO DA PLANETÁRIA: RP-0133, RP-0056, RP-0080**



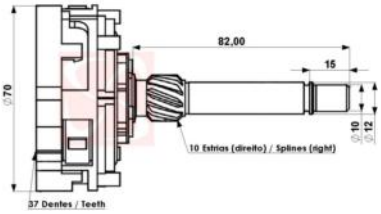
REFERENCIA		
P1-063		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	6033AD0063	EV

MOTOR DE PARTIDA

0001223002, 0001223003, 0001223007, 0001223016, 0001223021, 0001223024, 48498717, 500307724, 504201467, 92901859

APLICACOES

DEUTZ F2L1011 (1.4L-1366CC), F3L1011 (2.0L-2049CC), F4L1011 (2.7L-2732CC), MOTORES MARÍTIMOS BF4L1011 (2.71L2.732CC) **IVECO** DAILY 35, DAILY 50 C, DAILY S **KHD** F3L1011 (2.0L-2049CC) 1995, F4L1011 (2.7L-2732CC) 1995, MOTORES F2L1011 (1.4L-1366CC) 1995 **THOMAS EQUIPMENT** ENGINE DEUTZ BF4M1011F DSL (1997-2000), MINI CARREGADEIRAS, SKID STEERS T243 MOTOR **REPARO DA PLANETÁRIA: RP-0006**



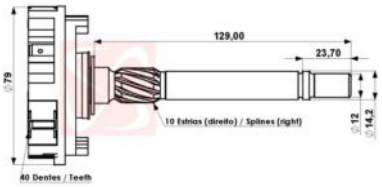
REFERENCIA		
P1-079		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200929	

MOTOR DE PARTIDA

0001115078, 0001115079, 51832949, 51832949A152, 55832949

APLICACOES

CITROEN JUMPER MULTIJET DIESEL 2010> **FIAT** DUCATO 2.3 MULTIJET **PEUGEOT** BOXER



REFERENCIA		
P1-090		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	6033AD0090, 6033AD0108, 6033AC0252	

MOTOR DE PARTIDA

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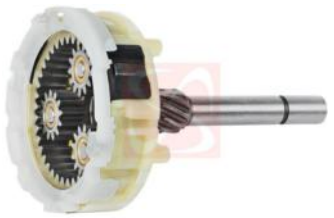
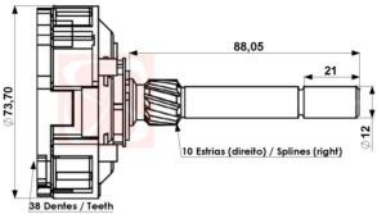
APLICACOES

FORD F-250, F-350, F-4000 4CC **JOHN DEERE** 5045D 2.9, 5045E 2.9, 5055D 2.9, 5055E 2.9, 5065E 2.9, 5075E 2.9 **NEW HOLLAND** TN60DA, TN70DA, TN75DA, TN75S 2.9 **REPARO DA PLANETÁRIA: RP-0006**





REFERENCIA		
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BOSCH - WAPSA	1006200099, 1006200096, F010AL1012, 1006200154	DW

MOTOR DE PARTIDA

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APLICACOES

ALFA ROMEO 145 1.9 JTD (1999-2001), 147 1.9 JTD (2000-2002), 147 1.9 JTD 16V (2005->), 147 1.9 JTDM (2008->), 147 1.9 JTDM 16V (2005->), 156 1.9 JTD (1997-2006), 159 1.9 JTDM 16V (2005->), 166 2.4 (2003->), 166 2.4 JTD (2000->), ALFA 146 1.9 JTD (1999-2001), BRERA 2.4 JTDM 20V (2006->), GT 1.9 JTD (2003->), MITO 1.6 (2008->), SPIDER 2.4 JTDM (2007->) **CHEVROLET** KORANDO 3.2 (1999->) **CITROEN** BERLINGO 1.8/1.9 DIESEL (1996->), BERLINGO 2.0 HDI (1999->), BX 1.9 DIESEL (1987-1992), BX16 1.6 (1988-1993), BX17 1.8 DIESEL (1985-1993), BX19 1.8 TURBO TRD (1988-1993), BX19 1.9 4X4 (1989-1993), BX19 1.9 DIESEL (1983-1993), C15 1.8 DIESEL (1986-2000), C15 1.9 DIESEL (2000-2005), C25 1.9 DIESEL (1987-1994), C25 2.5 DIESEL 4X4 (1987-1994), C4 2.0 16V (2004->), C4 2.0 HDI (2004->), C4 2.0 HDI PICASSO 165 (2010->), C5 2.0 HDI (2001-2004), C5 2.2 HDI (2001-2006), C5 3.0 V6 (2001-2005), C8 2.0 HDI (2002->), C8 2.2 HDI (2002->), C8 3.0 V6 (2002->), DS4 2.0 HDI 160 (2011->), EVASION 1.9 TD (1994-2002), EVASION 2.0 HDI (1999-2002), EVASION 2.1 TD (1996-2002), JUMPER 1.9 DIESEL (1994-2002), JUMPER 1.9 TD (1994-2002), JUMPER 1.9 TD 4X4 (1996-2002), JUMPER 2.0 HDI (2001-2002), JUMPER 2.2 HDI (2002->), JUMPY 1.9 DIESEL (1995-1998), JUMPY 1.9 TD (1995->), JUMPY 2.0 HDI (1999-2006), JUMPY 2.0 HDI 125/95 (2011->), VISA 1.7 DIESEL (1984-1991), XANTIA 1.9 DIESEL (1994-2003), XANTIA 1.9 TD (1994-2003), XANTIA 2.0 HDI (1999-2003), XANTIA 2.1 TD 12V (1995-1999), XM 2.1 DIESEL (1989-1996), XM 2.1 TD 12V (1989-2000), XM 2.1 TD 12V (1994-2000), XSARA 1.8 DIESEL (1997-2000), XSARA 1.8 TD (1997-2000), XSARA 1.9 DIESEL (1997-2005), XSARA 1.9 TD (1997-2000), XSARA 2.0 HDI (1999-2005), ZX 1.8 DIESEL (1993-1997), ZX 1.9 TD (1992-1997) **FIAT** 500

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DELTA 2.0 MULTIJET (2008->), KAPPA 2.4 JTD (1998-2001), LYBRA 1.9 JTD (1999-2001), LYBRA 2.4 JTD (1999-2002), PHEDRA 2.0/2.2 JTD (2002->), THESIS 2.4 JTD (2002->), ZETA 2.0 JTD (1999-2002), ZETA 2.0 TURBO (1999-2002), ZETA 2.1 TD (1996-1999) **LAND ROVER** RANGE ROVER 2.5 DIESEL (1994-2002) **LDV** MAXUS 2.5 CDI (2005->) **LOMBARDINI**
LDW 1503M, LDW 2004M, LDW 2004TBI (1996->) **LTI** TX4 2.5 D (2006->) **MAHINDRA** SCORPIO PICK-UP 2.6 CRDE, SCORPIO SUV 2.6 CRDE **MAYBACH** MAYBACH 5.5 (2002->) **MERCEDES-BENZ** 140-SERIE 300 SE, 190 E 2.6 (1986-1993), 208 2.1 CDI (2000-2006), 211 2.1 CDI (2000-2006), 213 2.1 CDI (2000-2006), 216 2.7 CDI (2000-2006), 260 E 2.6 (1985-1992), 260 E 2.6 4-MATIC (1986-1992), 260 SE

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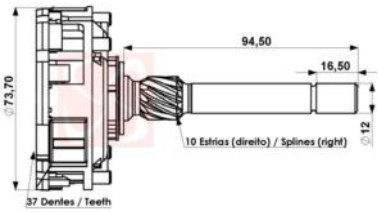

REFERENCIA		
P1-111		
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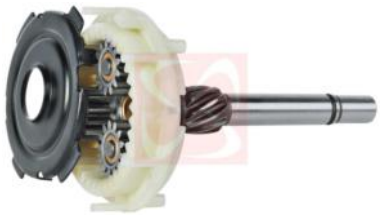
BOSCH - WAPSA	F000AL1974	LT

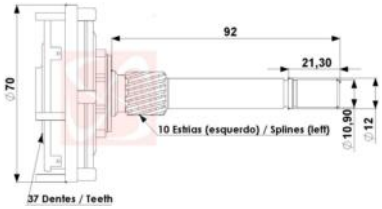
MOTOR DE PARTIDA

281000L072, F000AL0111, F000AL0130

APLICACOES

FORD F-250 **TOYOTA** HILUX, SW4 2.8, SW4 3.0 DIESEL (2006->), SW4 D4D 2.5 **REPARO DA PLANETÁRIA: RP-0075, RP-0078, RP-0079**





REFERENCIA		
P1-128		
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BOSCH - WAPSA	1006200128, 1006200043	DW

MOTOR DE PARTIDA

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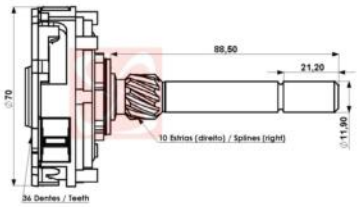
APLICACOES

AUDI A3 1.8, A3 1.8T **CLAAS** JAGUAR 60SF 5.7 (1974-1976), MERCATOR 50 3.8 (1973-1976) **DIVERSAS** S.W **FIAT** TEMPRA 2.0 I.E., TIPO 1.8, TIPO 16V, TIPO 2.0, TIPO I.E. **MBB** 1013 (1976-1986), 900 3.8 (1981-1987) **NEWHOLLAND** FNH8040, FNH8055, FNH8255 **SEAT** ALHAMBRA 1.8 TURBO, ALHAMBRA 2.0, CITYGOLF 1.6, CORDOBA 1.6, CORDOBA 1.8, CORDOBA 1.8 16V, CORDOBA 2.0, IBIZA 1.8 **VOLKSWAGEN** GOLF 1.8, GOLF GTI 2.0, GOLF II1.8, GOLF III 1.8, GOLF III 1.8I, PASSAT (IMPORT) 2.0 **REPARO DA PLANETÁRIA: RP-0080, RP-0056, RP-0133**



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P1-145		
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BOSCH - WAPSA	1006200145, 1006200087	

MOTOR DE PARTIDA

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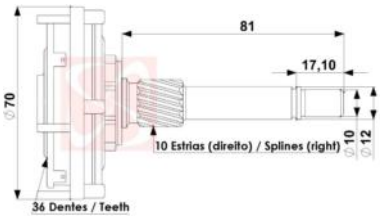
APLICACOES

BMW 316I, 316I COMPACT, 316I TOURING, 318I, 318IS, 318IS COMPACT, 318IS COUPÉ, 320I, 320I CABRIO, 320I COUPÉ, 323 CI COUPÉ, 323 TI COMPACT, 323I, 323I CABRIO, 323I COUPÉ, 323I TOURING 325I, 325I CABRIO, 325I COUPÉ, 328 CI COUPÉ, 328I, 328I (1998), 328I CABRIO, 328I COUPÉ, 328I TOURING, 525I, 528I, 528I TOURING, M3 CABRIO, M3 COUPÉ, Z3 **MERCEDES BENZ** CLASSE E 190 2.3, CLASSE E 230 **REPARO DA PLANETÁRIA: RP-0055**



REFERENCIA		
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BOSCH - WAPSA	1006200153, 1006200148, 1006200072	

MOTOR DE PARTIDA

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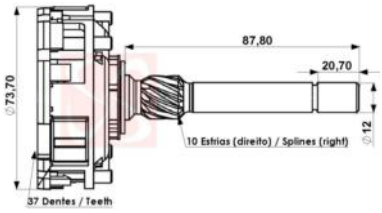
APLICACOES

FIAT TIPO 1.6I.E **TOYOTA** COROLLA 1.6I 16V, COROLLA 1.8I 16V, COROLLA FIELDER 1.8I 16V **REPARO DA PLANETÁRIA: RP-0058, RP-0133, RP-0138**



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P1-159		
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BOSCH - WAPSA	1006200178, F000AL1409, F000AL2967	DW/R78-M45

MOTOR DE PARTIDA

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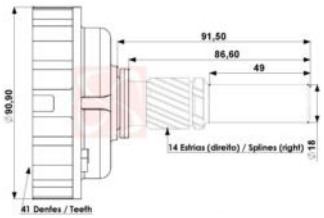
APLICACOES

FORD F250, F350, F4000 **GM** BLAZER 2.8 DIESEL, BLAZER 2.8 ELECTRONIC, S10 2.8 4X4 DIESEL ELECTRONIC **NISSAN** FRONTIER, XTERRA 2.8 DIESEL **TROLLER** T4, T4 M **REPARO DA PLANETÁRIA: RP-0075, RP-0078, RP-0079**



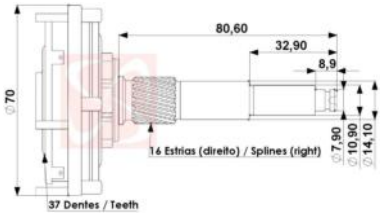
REFERENCIA		
P1-173		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	6033AD5173, 6033AD5078, 6033AD5173, 6033AD5356, F042030061, 6033AD5069, 6033AD5243, 6033AD5359	

MOTOR DE PARTIDA

0001241001, 0001241003, 0001241004, 0001241005, 0001241006, 0001241007, 0001241008, 0001241009, 0001241014, 0001241015, 0001241016, 0001241019, 0001241020, 0001241021, 0001241023, 0001241024, 0001241119, 0001261002, 0001261004, 0001261006, 0001261008, 0001261013, 0001261026, 0986021480, 1658730, F042002135

APLICACOES

DAF XF105.510 **DIVERSAS** P 230 **SCANIA** 270, 270 SCANIA: 310, 280, 310, 320, 340, 340 SCANIA: 360, 360, 380, 380 SCANIA: 400, 380 SCANIA: 420, 400, 420, 420 SCANIA: 440, 470, 470 DAF: XF105.460, 470 SCANIA: 480, 480, G 230, G 270, G 280, G 310, G 320, G 340, G 360, G 380, G 400, G 420, G 440, G 470, G 480, K 270 RODOVIÁRIO, K 310 RODOVIÁRIO, K 340 RODOVIÁRIO, K 380 RODOVIÁRIO, K 420 RODOVIÁRIO, R 230, T 340



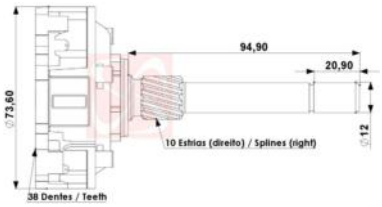
REFERENCIA		
P1-181		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F000AL1181	DB

MOTOR DE PARTIDA

5X3911023, F000AL0502, F000AL0507

APLICACOES

FORD ROYALE 1.8I, ROYALE 2.0, ROYALE 2.0I, VERSAILLES 1.8I, VERSAILLES 2.0, VERSAILLES 2.0I **VOLKSWAGEN** GOL I 1.8, GOL I 2.0 GTI, GOL II 1.8 MI, GOL II 1.8I, GOL II 2.0 MI, GOL II 2.0I, GOL III 1.8 MI, GOL III 1.8 MI TOTAL FLEX, GOL III 2.0 MI, GOL IV 1.8 TOTAL FLEX, PARATI II 1.8 MI, PARATI II 1.8I, PARATI II 2.0I (1996), PARATI III 1.8 MI, QUANTUM 1.8 MI, QUANTUM 1.8I, QUANTUM 2.0 MI, QUANTUM 2.0I (1998), SANTANA 1.8 MI, SANTANA 1.8I, SANTANA 2.0 MI, SANTANA 2.0I, SAVEIRO I 1.8 MI, SAVEIRO II 1.8 MI, SAVEIRO II 2.0 MI, SAVEIRO ILL 1.6, SAVEIRO ILL 1.8, SAVEIRO ILL 2.0 MI (2000), SAVEIRO IV 1.8 TOTAL FLEX, VOYAGE 1.8, VOYAGE 1.8 SPECIAL **REPARO DA PLANETÁRIA: RP-0080, RP-0056, RP-0133**



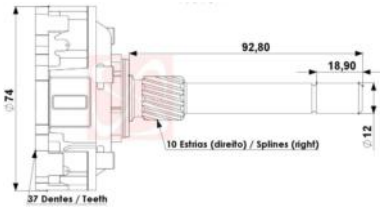
REFERENCIA		
P1-218		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200218	

MOTOR DE PARTIDA

0001109300, 0001109301, 0001109405, 1347058080, 5802AQ

APLICACOES

CITROEN JUMPER 2.8 4X4, JUMPER 2.8 HDI **FIAT** DUCATO 2.3 JTD, DUCATO 2.8 DIESEL, DUCATO 2.8 DIESEL 4X4, DUCATO 2.8 JTD, DUCATO 2.8 JTD 4X4, DUCATO CARGO 2.3, DUCATO MAXI CARGO 2.3 **PEUGEOT** BOXER 2.8 HDI, BOXER 2.8 HDI 4X4 **REPARO DA PLANETÁRIA: RP-0075, RP-0077, RP-0079, RP-0003**



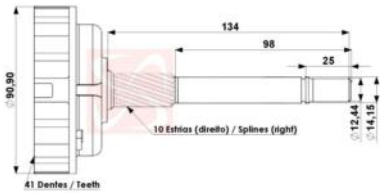
REFERENCIA		
P1-220		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200220, 1006200342, F000AL2832	R78-M55

MOTOR DE PARTIDA

0001109306, 0001109413, F000AL0132, F000AL0143, F004A94008, F004A94011

APLICACOES

HYUNDAI HD78 **IVECO** CITYCLASS, DAILY 35 C14, DAILY 35 S14, DAILY 40 S16, DAILY 45 S14, DAILY 45 S16, DAILY 50 C11, DAILY 50 C13, DAILY 55 C16, DAILY 60 C16, DAILY 60 C16 HD MASSIMO, SCUDATO 70 C16 **LAND ROVER** DEFENDER 110 2.5 TURBO DIESEL AWD, DEFENDER 130 2.5 DIESEL AWD, DEFENDER 90, DISCOVERY 2.5 TDI AWD **MERCEDES BENZ** SPRINTER 310 D, SPRINTER 312 D, SPRINTER 412 D **TOYOTA** AVENSIS D4D, AVENSIS VERSO D4D, COROLLA D4D, COROLLA VERSO D4D, HILUX D4D, LANDCRUISER D4D, PREVIA D4D, RAV4 D4D, SW4 D4D, YARIS D4D, YARIS VERSO D4D **VOLKSWAGEN** DELIVERY 5140 E, DELIVERY 5140 EOD, DELIVERY 8150 E **REPARO DA PLANETÁRIA: RP-0075, RP-0078, RP-0079**



REFERENCIA		
P1-244		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	9001336244, 6033AD3310,231083, 333594,42560319, 1821358,423890, 51262136001, 0001500931, A0001500931,861219	

MOTOR DE PARTIDA

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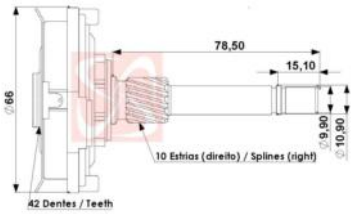
APLICACOES

CASE JX-SERIE **IVECO** VERTIS **MBB** 1215 (1999->), 1215 C, 1318, 1618 (1998->), 1618 M, 1718 M, 1728, 2423, 2423 (1998->), 2428, 712C, 914 C, 914 LO, 915 E, ACCELO 915 C, ATEGO 1315, ATEGO 1418, ATEGO 1518, ATEGO 1718, ATEGO 1725, ATEGO 2425, AXOR 1933, AXOR 2536, L 1218, L 1418, L 1622, LO 915, O 500 M, O 500 R, O 500 U, OF 1417, OF 1418, OF 1722, OH 1418, UNIMOG U 500 **NEW HOLAND** SÉRIE TC, SÉRIE TL **RENAULT** S18 (1996->) **VOLVO** 1017, CAMINHÃO 1215C, CAMINHÃO 1218L, CAMINHÃO 1315, CAMINHÃO 1315OF, CAMINHÃO 1315OH, CAMINHÃO 1318, CAMINHÃO 1318OF, CAMINHÃO 1318OH, CAMINHÃO 1417OF, CAMINHÃO 1418, CAMINHÃO 1418EL, CAMINHÃO 1418L, CAMINHÃO 1418OF, CAMINHÃO 1418OH, CAMINHÃO 1418R, CAMINHÃO 1518, CAMINHÃO 1518L, CAMINHÃO 1618M, CAMINHÃO 1622A, CAMINHÃO 1622L, CAMINHÃO 1718, CAMINHÃO 1718A, CAMINHÃO 1718K, CAMINHÃO 1718M, CAMINHÃO 1722OF, CAMINHÃO 1725 CAMINHÃO 1728, CAMINHÃO 1730OF, CAMINHÃO 1828L, CAMINHÃO 1933, CAMINHÃO 1933LS, CAMINHÃO 2423, CAMINHÃO 2425, CAMINHÃO 2428, CAMINHÃO 2533, CAMINHÃO 500 OM, CAMINHÃO 500 OR, CAMINHÃO 500 ORSD, CAMINHÃO 500 ORSE, CAMINHÃO 500 OU, CAMINHÃO 520O, CAMINHÃO 712C, CAMINHÃO 814, CAMINHÃO 814F, CAMINHÃO 814L, CAMINHÃO 814LO CAMINHÃO 915, CAMINHÃO 915C, CAMINHÃO 915E, CAMINHÃO 915LO, CAMINHÃO 915C, CAMINHÃO 915LO, CAMINHÃO FM7, CAMINHÃO LS, ÔNIBUS B7F, ÔNIBUS B7L, ÔNIBUS B7R



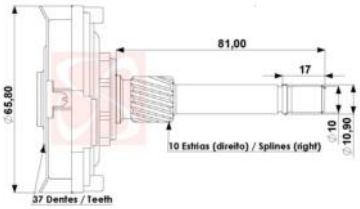
REFERENCIA		
P1-327		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200327	

MOTOR DE PARTIDA

0001107425, 0001107426, 0001107442, 0001107443, 0001107525, 0001107526.

APLICACOES

BMW 116 1.6 I (2003-2012), 118 2.0 I (2004-2012), 120 2.0 I (2003-2012), 316 1.6 G (1995-1997), 316 1.6 I (1988-1997), 316 1.6 I (2005-2011), 318 1.8 IS (1989-1995), 318 1.8 TI (1994-1995), 318 2.0 I (2005-2011), 320 2.0 I (2005-2011), 320 2.0 SI (2006), 518 1.8 I (1989-1996), 520 2.0 I (1989-1996), 520 2.0 I (2006-2009), 525 2.5 I (1989-1997), 525 2.5 IX 4X4 (1992-1997), X1 2.0 SDRIVE18I (2010), X3 2.0 I (2005), X3 2.0 I XDRIVE (2008), Z4 2.0 I (2005) **REPARO DA PLANETÁRIA: RP-0168**



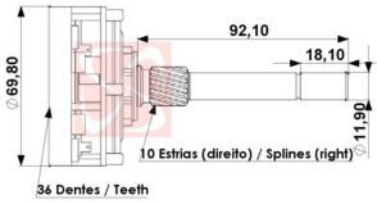
REFERENCIA		
P1-369		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200369	R70

MOTOR DE PARTIDA

0001108420, 0001108421, F000AL0901, F000AL0903

APLICACOES

ALFA ROMEO 159 2.0 JTDM (2009->), 160 2.0 JTDM (2009->), 161 2.0 JTDM (2009->), BRERA 2.0 JTDM (2009->), DOBLO 1.6 JTD (2015->), DUCATO 115 2.0 JTD (2011->), LINEA 1.6 D MULTIJET (2011->), SEDICI 2.0 D MULTIJET (2009->) **DIVERSAS** BRAVO 2.0 D MULTIJET (2008->), SPIDER 2.0 JTDM (2009->) **FIAT** TORO DIESEL **JEEP** COMPASS DIESEL, RENEGADE DIESEL **LANCIA** DELTA 1.9 D MULTIJET (2008->), DELTA 2.0 D MULTIJET (2008->) **MERCEDES BENZ** SPRINTER 213 2.2 CDI (2006-2016), SPRINTER 313 2.2 CDI (2006-2016), SPRINTER 413 2.2 CDI (2006-2016), SPRINTER 513 2.2 CDI (2006-2016) **SUZUKI** SX4 1.6 DDIS (2013->), SX4 2.0 DDIS (2009-2013), SX4 2.0 DDIS 4X4 (2009-2013), SX4 S-CROSS 1.6 DDIS (2013->) **REPARO DA PLANETÁRIA: RP-0118, RP-0119**

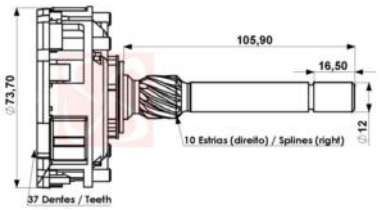


REFERENCIA		
P1-512		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200512	

MOTOR DE PARTIDA

APLICACOES

FORD TRANSIT 2.2 TDCI (2011->), TRANSIT 2.2 TDCI 4X4 (2011-2014), TRANSIT 2.2 TDCI RWD (2011-2014), TRANSIT FT 2.2 TDCI 4X4 (2014->), TRANSIT FT 2.2 TDCI RWD (2014->)



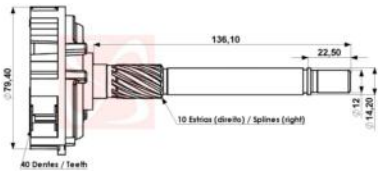
REFERENCIA		
P1-625		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F000AL2625	R78-M25

MOTOR DE PARTIDA

F000AL0129, F000AL0150, F000AL0152

APLICACOES

FORD CARGO 11T, CARGO 13T, CARGO 15T, CARGO 24T, CARGO 26T, CARGO 8T, CARGO C 12T, CARGO C 13T, CARGO C 14T, CARGO C 15T, CARGO C 16T, CARGO C 17T, CARGO C 24T, CARGO C 7T, CARGO C 8T, CARGO C 9T **MERCEDES BENZ** SPRINTER 515 CDI **REPARO DA PLANETÁRIA: RP-0075, RP-0079, RP-0078**



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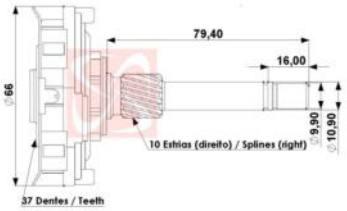
P1-727		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	F002G20727	

MOTOR DE PARTIDA

F002G20720, F002G20904, F002G70007, F002G70022, F002G70092, F002G70156, F002G70205, F002G70276, F002G70344, F002G70353, F002G70370, F002G70407, F002G70450, F002G70458

APLICACOES

FORD CARGO 1319, CARGO 1517, CARGO 1519, CARGO 1717, CARGO 1719, CARGO 1722, CARGO 1723, CARGO 2422, CARGO 2423, CARGO 2428, CARGO 2429, CARGO 2622, CARGO 2623, CARGO 2628, CARGO 2629, CARGO C1317 **REPARO DA PLANETÁRIA: RP-0006**



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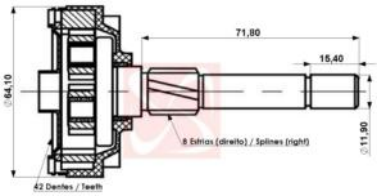
P1-956		
FABRICANTE	Nº OEM	TIPO ARRANQUE
BOSCH - WAPSA	1006200956	

MOTOR DE PARTIDA

0001108420, 0001108421, F000AL0901, F000AL0903

APLICACOES

ALFA ROMEO 159 2.0 JTDM (2009->), 160 2.0 JTDM (2009->), 161 2.0 JTDM (2009->), BRERA 2.0 JTDM (2009->), SPIDER 2.0 JTDM (2009->) **FIAT** BRAVO 2.0 D MULTIJET (2008->), DOBLO 1.6 JTD (2015->), DUCATO 115 2.0 JTD (2011->), LINEA 1.6 D MULTIJET (2011->), SEDICI 2.0 D MULTIJET (2009->), TORO DIESEL **JEEP** COMPASS DIESEL, RENEGADE DIESEL **LANCIA** DELTA 1.9 D MULTIJET (2008->), DELTA 2.0 D MULTIJET (2008->) **MERCEDES BENZ** SPRINTER 213 2.2 CDI (2006-2016), SPRINTER 313 2.2 CDI (2006-2016), SPRINTER 413 2.2 CDI (2006-2016), SPRINTER 513 2.2 CDI (2006-2016). **SUZUKI** SX4 1.6 DDIS (2013->), SX4 2.0 DDIS (2009-2013), SX4 2.0 DDIS 4X4 (2009-2013), SX4 S-CROSS 1.6 DDIS (2013->)



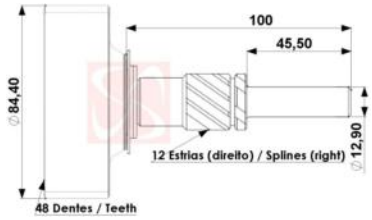
REFERENCIA		
P4-057		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY		

MOTOR DE PARTIDA

24581746, 361002G000, 361003C151, 61002G300, 8000357, 8000465, 96000

APLICACOES

HYUNDAI GENISIS COUPE 2.0, GENISIS COUPE TURBO, GRANDEUR 2.0, GRAUNDEUR 2.4, I35 2.0, SANTA FÉ 2.4, SONATA 2.0, SONATA 2.4, TUCSON 2.0, TUCSON 2.4, VERACRUZ IX55 3.8 **KIA** CARENS 2.0, FORTE 2.0, FORTE 2.4, FORTE 5 2.0, FORTE KOUP, MAGENTIS, OPTIMA, RONDO, SORENTO, SPORTAGE, SPORTAGE 4X4 **REPARO DA PLANETÁRIA: RP-0132**



REFERENCIA		
P4-095		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10512095	38MT

MOTOR DE PARTIDA

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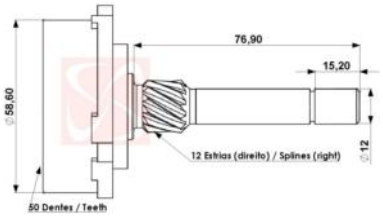
APLICACOES

CASE COLHEITADEIRA DE ALGODÃO 1822, COLHEITADEIRA DE ALGODÃO 1844, COLHEITADEIRA DE ALGODÃO 2055, COLHEITADEIRA DE ALGODÃO 2155, COLHEITADEIRA DE CANA A8000, COLHEITADEIRA DE CANA A8800, COLHEITADEIRA DE GRÃOS 1620, COLHEITADEIRA DE GRÃOS 1640, COLHEITADEIRA DE GRÃOS 1644, COLHEITADEIRA DE GRÃOS 1666, COLHEITADEIRA DE GRÃOS 1668, COLHEITADEIRA DE GRÃOS 1670, COLHEITADEIRA DE GRÃOS 1680, COLHEITADEIRA DE GRÃOS 1688, COLHEITADEIRA DE GRÃOS 1690, COLHEITADEIRA DE GRÃOS 2055, COLHEITADEIRA DE GRÃOS 2090, COLHEITADEIRA DE GRÃOS 2094, COLHEITADEIRA DE GRÃOS 2096, COLHEITADEIRA DE GRÃOS 2144, COLHEITADEIRA DE GRÃOS 2166, COLHEITADEIRA DE GRÃOS 2188, COLHEITADEIRA DE GRÃOS 2290, COLHEITADEIRA DE GRÃOS 2294, COLHEITADEIRA DE GRÃOS 2366, COLHEITADEIRA DE GRÃOS 2390, COLHEITADEIRA DE GRÃOS 2394, COLHEITADEIRA DE GRÃOS 2399, COLHEITADEIRA DE GRÃOS 2470, COLHEITADEIRA DE GRÃOS 2590, COLHEITADEIRA DE GRÃOS 2594, COLHEITADEIRA DE GRÃOS 2670, COLHEITADEIRA DE GRÃOS 2870, COLHEITADEIRA DE GRÃOS 3294, COLHEITADEIRA DE GRÃOS 3394, COLHEITADEIRA DE GRÃOS 4490, COLHEITADEIRA DE GRÃOS 4494, COLHEITADEIRA DE GRÃOS 4690, COLHEITADEIRA DE GRÃOS 4694, COLHEITADEIRA DE GRÃOS 4890, COLHEITADEIRA DE GRÃOS 4894, COLHEITADEIRA DE GRÃOS 4994, COLHEITADEIRA DE GRÃOS 7110, COLHEITADEIRA DE GRÃOS 7120, COLHEITADEIRA DE GRÃOS 7130, COLHEITADEIRA DE GRÃOS 7140, COLHEITADEIRA DE GRÃOS 7210, COLHEITADEIRA DE GRÃOS 7220, COLHEITADEIRA DE GRÃOS 7230, COLHEITADEIRA DE GRÃOS 7240, COLHEITADEIRA DE GRÃOS 7250, COLHEITADEIRA DE GRÃOS 8930, COLHEITADEIRA DE GRÃOS 9110, COLHEITADEIRA DE GRÃOS 9130, COLHEITADEIRA DE GRÃOS 9210, COLHEITADEIRA DE GRÃOS 9230, COLHEITADEIRA DE GRÃOS 9240, COLHEITADEIRA DE GRÃOS 9310, COLHEITADEIRA DE GRÃOS 9330, TRATOR MAGNUM MX220, TRATOR MAGNUM MX240, TRATOR MAGNUM MX270 (C/ MOTOR CUMMINS 8.3L) **CUMMINS** MOTORES C E ISC **DIVERSAS** 22 **FORD** 1630, 2422, 2425, 2622, 2626, 2630, 2631, 2932, 3222, 4030, 4532, 5032, CARGO 16, CARGO 1932 ELETRÔNICO (C/ MOTOR CUMMINS 8.3 L), CARGO ELETRONICO 2632, COM MOTOR CUMMINS 6CTAA **JAC** HFC4253 **RANDON** CAMINHÃO DE MINERAÇÃO RK430B, CAMINHÃO DE MINERAÇÃO RK430M, CAMINHÃO DE MINERAÇÃO RK628C, CAMINHÃO DE MINERAÇÃO RK628CF, CAMINHÃO DE MINERAÇÃO RK628CR **SCANIA** P230, P270, P310, P340, P380, P420, P470, P480 R230, R270, R310, R340, R380, R420, R470, R480, T340, T380, T420, T470 **VOLKSWAGEN** 17-310, 18-310, 19-320, 19-370, 19-370 COM MOTOR INTERNATIONAL, 23-210, 23-220, 23-310, 24- 220, 25-370 26-220, 26-260, 26-310 - COM MOTOR CUMMINS 6CTAA 8.3 LITROS, 31-320, B18320 EOV, B19320 EOT (C/ MOTOR CUMMINS ISC 8.3L), CAMINHÕES 17-220, CAMINHÕES 18.310 TITAN TRACTOR, CAMINHÕES 31-370, CONSTELLATION 17320, CONSTELLATION 19320, CONSTELLATION 19360, CONSTELLATION 24320, CONSTELLATION 25320, CONSTELLATION 25370, CONSTELLATION 25400, CONSTELLATION 31320, CONSTELLATION C/MOTOR CUMMINS ISC, ÔNIBUS 19320EOT, ÔNIBUS QUÉOPS EVOLUTION COM MOTOR CUMMINS ISC, TITAN TRACTOR, TITAN TRACTOR 18310 (C/ MOTOR CUMMINS 8.3L) **VOLVO** FH12/380 4X4 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), FH12/380 6X2 P. LOTUS 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL), FH12/420 4X2 TOP-CLASS (C/ MOTOR VOLVO D12 DIESEL), FH12/420 6X4 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), FM12/380 6X4 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL), FM12/420 8X4 4 EIXOS (C/ MOTOR VOLVO D12 DIESEL), NH12/380 4X2 GLOBETROTTER (C/ MOTOR VOLVO D12 DIESEL), NH12/380 6X4 3 EIXOS (C/ MOTOR VOLVO D12 DIESEL)



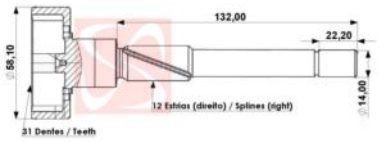
REFERENCIA		
P4-150		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY		PG150S

MOTOR DE PARTIDA

9000846, 9675379880, QDJ1236

APLICACOES

CHEVROLET-GM ASTRA, BLAZER, S10, VECTRA - II (SOHC) **CITROEN** C4 LOUNGE **PEUGEOT** 308, 408 **REPARO DA PLANETÁRIA: RP-0088, RP-0063**



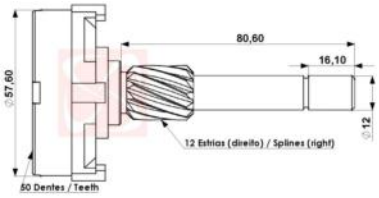
REFERENCIA		
P4-357		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10457357	28MT

MOTOR DE PARTIDA

10479626, 10479637, 10479648, 10479650, A0051512201, A0051517601

APLICACOES

MARCOPOLO BOXER, TORINO **MERCEDES BENZ** 1215, 1217 EL, 1218EL, 1218L, 1318 L, 1418EL, 1418L, 1419, 1620 L, 1718, 1719, 1725, 1726, 1729, 2423, 2423 B, 2423 K, 2426, 2428, 2429, 712C, 714 C, 715, 914C, 915C, ACCELO 1016, ACCELO 815, ATEGO 1315, ATEGO 1418, ATEGO 1518, ATEGO 1718, ATEGO 1725, ATEGO 2425, ATRON 1319, ATRON 2324, ATRON 2729 B, ATRON 2729 K, ATRON 2729 P, AXOR 1933, AXOR 2533, AXOR 2826, AXOR 2828, AXOR 2831, AXOR 2831 B, AXOR 2831 K, AXOR 2831 P, LO 914, O 500M, O 500U, O500 R, O914 L, OF 1417 COM MOTORES OM 904, OF 1417 COM MOTORES OM 906 ELETRÔNICOS EM 24V, OF1418, OF1518, OF1519, OF1721, OF1722, OF1724



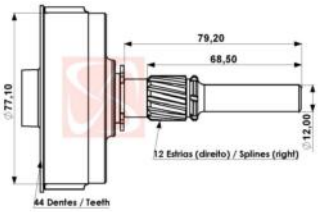
REFERENCIA		
P4-368		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10504495,10452345, 10504514	PG260D

MOTOR DE PARTIDA

7084991, 8000006, 8000014, 8000090, 8000158, 8000159, 8000188, 8000287, 8000538, 8000661, 9000890, 9000891, 9000893, 9000944, 9000948, 9000978, 9000981, 9000981P, 93297652, 93297653, 93303527, 93304772, 93327502, 93374341, 93374342, 93384398, PG260B

APLICACOES

CHEVROLET-GM AGILE 1.0 (2009-2015), AGILE 1.4 (2009-2015), AGILE 1.6 (2009-2015), ASTRA, BLAZER 4.3 V6 VORTEX, CELTA 1.0 (2000-2015), CELTA 1.4 (2000-2015), CELTA 1.6 (2000-2015), COBALT 1.0 (2011-2013), COBALT 1.4 (2011-2013), COBALT 1.6 (2011-2013), CORSA 1.0 (1994-2014), CORSA 1.4 (1994-2014), CORSA 1.6 (1994-2014), CORSA CLASSIC 1.0 (2003-2015), CORSA CLASSIC 1.4 (2003-2015), CORSA CLASSIC 1.6 (2003-2015), MONTANA 1.0 (2007-2013), MONTANA 1.4 (2007-2013), MONTANA 1.6 (2007-2013), MONZA 1.8, MONZA 2.0, MONZA 2.2, MONZA 2.4, NOVO CORSA 1.0 (2007-2014), NOVO CORSA 1.4 (2007-2014), NOVO CORSA 1.6 (2007-2014), PICK-UP CORSA 1.0(1995-2002), PICK-UP CORSA 1.4(1995-2002), PICK-UP CORSA 1.6 (1995-2002), PRISMA 1.0(2006-2014), PRISMA 1.4(2006-2014), PRISMA 1.6 (2006-2014), S10 4.3 V6 VORTEX, VECTRA - II(DOHC) 2.2 16V, VECTRA - II(DOHC) 2.0, VECTRA - II(SOHC) 1.8, VECTRA - II(SOHC) 2.0, VECTRA - II(SOHC) 2.2 8V, ZAFIRA 1.8, ZAFIRA 2.0, ZAFIRA 2.2, ZAFIRA 2.4 **CITROEN** PICASSO 2.0, PICASSO 2.0 DIESEL **DAEWOO** ESPERO 2.0 **FIAT** DOBLÒ 1.0, DOBLÒ 1.3, DOBLO 1.4, DOBLÒ 1.8 FIRE, IDEA 1.0, IDEA 1.3, IDEA 1.4 FIRE, PALIO 1.0, PALIO 1.3, PALIO 1.4, PALIO 1.8 FIRE, PALIO WEEKEND 1.0, PALIO WEEKEND 1.3, PALIO WEEKEND 1.4, PALIO WEEKEND 1.8 FIRE, PUNTO 1.0, PUNTO 1.3, PUNTO 1.4 FIRE, SIENA 1.0, SIENA 1.3, SIENA 1.4 FIRE, STILO 1.8 FLEX, STRADA 1.0, STRADA 1.3, STRADA 1.4, STRADA 1.8 FIRE **PEUGEOT** 206 1.9 DIESEL, 307 2.0, 307 2.0 DIESEL, PARTNER 1.9 DIESEL **REPARO DA PLANETÁRIA: RP-0064, RP-0089**



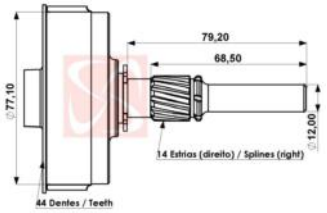
REFERENCIA		
P4-811		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10515811,10515810, 10518783	

MOTOR DE PARTIDA

10461764, 10461765, 10461770, 19011400, 19011402, 19011403, 19011407, 19011409, 2P0911023B, 2P0911023E, 2R0911023C, 2R0911023E, 2R0911023F, 2R0911023H, 2S0911023A, 2T2911023A, 2W0911023H, 3916854, 3918376, 3918377, 3918378, 3926932, 7000428C1, 7003690C1, 7004303C1, 7004304C1, 7004307C1, 75264240, 75327465, 7C4511001AA, 7C4511001AB, 8200001, 8200003, 8200004, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200196, 8200216, 8200231, 8200249, 8200257, 8200271, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200391, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200521, 8200564, 8200565, 8200570, 8200571, 8200621, 8200622, 8200677, 8200745, 8200796, 8200806, 8200816, 8200826, 8200848, 8200849, 8200850, 8200851, 8200852, 8200853, 8200854, 8200866, 8200874, 8200875, 8200882, 8200883, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890, 8200906, 8300063, 8300064, 87739573, 905720100108, 905720100109, 905720100110, 905720100111, 905720100112, 905720100113, BC4511001BA, JNV911023

APLICACOES

OBSERVAÇÕES 29MT antigo **1 VOLKSWAGEN** 0150 E **9 VOLKSWAGEN** 150 E **AGRALE** 10000, 13000, 14000, 1600, 4500, 5000, 6000, 6150, 7000, 7500, 8000, 8500, 9200, ÔNIBUS MA10.0, ÔNIBUS MA12.0, ÔNIBUS MA15.0, ÔNIBUS MA7.9, ÔNIBUS MA8.5, ÔNIBUS MA9.2, ÔNIBUS MT12.0, ÔNIBUS MT15.0, TRATOR, TRATOR AGRALE: TRATOR 5075, TRATOR 5065, TRATOR 5065.4, TRATOR 5085, TRATOR BX4.100, TRATOR BX4.110, TRATOR BX4.130, TRATOR BX4.150, TRATOR BX4.90, TRATOR BX6.110, TRATOR BX6.150, TRATOR BX6.180 **ATLAS COPCO** COMPRESSOR DE AR XA56/76 COMPRESSOR DE AR XA77/97 **CASE** MINI PÁ CARREGADEIRA 430, MINI PÁ CARREGADEIRA 440, MINI PÁ CARREGADEIRA 440CT, MINI PÁ CARREGADEIRA 450, MINI PÁ CARREGADEIRA 450CT, MOTONIVELADORA 845, MOTONIVELADORA 845.2, PÁ CARREGADEIRA 521D, PÁ CARREGADEIRA 621D, PÁ CARREGADEIRA W130, PÁ CARREGADEIRA W20, RETROESCAVADEIRA 580 L, RETROESCAVADEIRA 580 L SE **CHEVROLET-GM** D20 4.1 (C/ MOTOR MAXION S4), SILVERADO 4.1 (C/ MOTOR MAXION S4) **DIVERSAS** CNH, DELIVERY 5150, MERCEDES-BENZ **DYNAPAC** MÁQUINAS DIVERSAS **FIAT ALLIS** MOTONIVELADORA FG140.2, PÁ CARREGADEIRA FR128, TRATOR DE ESTEIRAS 7D, TRATOR DE ESTEIRAS FD170 **FORD** CARGO C 1119, CARGO C 1317E, CARGO C 1319, CARGO C 1517E, CARGO C 1519, CARGO C 1717E, CARGO C 1719, CARGO C 1722E, CARGO C 1723, CARGO C 1729, CARGO C 2422E, CARGO C 2423, CARGO C 2428E, CARGO C 2429 CARGO C 2622E, CARGO C 2623, CARGO C 2628E, CARGO C 2629, CARGO C 815E, CARGO C 816 **KOMATSU** ESCAVADEIRA PC200 **MARCOPOLO** BOXER, TORINO, VOLARE V8, VOLARE W8, VOLARE W9 **MULLER** ROLO COMPACTADOR RT62H, ROLO COMPACTADOR RT82H, ROLO COMPACTADOR VAP55 **NEW HOLLAND** MOTONIVELADORA RG140, PÁ CARREGADEIRA 12C, TRATOR TL60E, TRATOR TL75E, TRATOR TL85, TRATOR TL85E, TRATOR TL95E **RANDON** RETROESCAVADEIRA RD406, RETROESCAVADEIRA RK406 **RUCKER** REBOCADORES **VALMET** TRATORES **VALTRA** TRATOR BH180, TRATOR BM100 **VOLKSWAGEN**
13180 E, 15190 E, 17210, 17250, 17250 E, 24250, 24250 E, 8150 DELIVERY, B15190 EOD, B17210 EOD, B17230 EOD / V-TRONIC, B17260 EOD / V-TRONIC, B8120 OD EURO II / III, B8150 FEB, B8150 ODC, B8150 ODM, B9150 EOD, B9150 ODC, CONSTELLATION 10150 E, CONSTELLATION 13180, CONSTELLATION 13180 E, CONSTELLATION 15180, CONSTELLATION 15190 E, CONSTELLATION 17260, CONSTELLATION 26260 E, CONSTELLATION 31260 E, CONSTELLATION 8150 E, CONSTELLATION 8160, CONSTELLATION 9150 E, CONSTELLATION 9160, WORKER 13180 EURO II / III, WORKER 15180 EURO III, WORKER 17180 EURO III, WORKER 8120 EURO II / III **VOLVO** B270, VM210, VM220, VM240, VM260, VM270, VM310, VM330



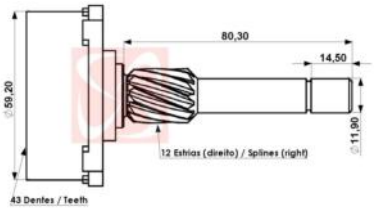
REFERENCIA		
P4-812		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10515810,10515811, 10518783	

MOTOR DE PARTIDA

10461771, 10461772, 61005265, 8000090, 8000158, 8000159, 8000188, 8200003, 8200004, 8200054, 8200064, 8200138, 8200196, 8200231, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200474, 8200478, 8200495, 8200511, 8200512, 8200810, 8201097, 93374341, 93374342, A0051512201, A0051518301, A0051518501, A0051518502, A0061512101, A0061516701, A0071513401, A3761510201, A3761510301, A3761510401, A3761510501

APLICACOES

OBSERVAÇÕES 29MT MODERNO **DIVERSAS** CNH, FORD, VOLKSWAGEN, VOLVO **MERCEDES BENZ** 1016, 1215, 1218 EL, 1218 L, 1315, 1318 L, 1319, 1418, 1418 EL, 1418 L, 1418 R, 1419, 1518, 1620 L, 1718, 1719, 1720, 1720 A, 1720 K (BASCULANTE), 1725, 1726, 1726 4X4, 1729 S, 1933, 2324, 2423, 2423 B (BETONEIRA), 2423 K (BASCULANTE), 2425, 2426 6X2, 2428, 2429 6X2, 2533, 2729 B (BETONEIRA), 2729 K (BASCULANTE), 2729 P 6X4 (PLATAFORMA), 2826, 2828, 2831, 2831 K (BASCULANTE), 710, 712 C, 712 E, 714 C, 715, 815, 915 C, ACCELO, ATEGO, ATRON, AXOR, O500 M / U / R, O712, O812, O814, O914, OF1417, OF1418, OF1518, OF1519, OF1721, OF1722, OH1420, OH1621 L, OH1623 L.



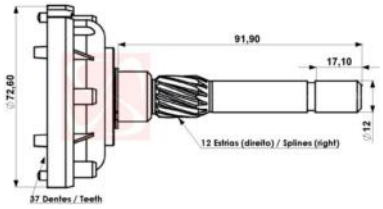
REFERENCIA		
P4-890		
FABRICANTE	Nº OEM	TIPO ARRANQUE
DELCO-REMY	10492410,10539148	PG260G/D

MOTOR DE PARTIDA

10465421, 10465462, 10465463, 10465520, 10465523, 10465524, 10465525, 10465526, 10465547, 10465548, 10465549, 10465550, 10465558, 10465559, 10465560, 10465561, 10465577, 10465578, 10465579, 10465582, 10465587, 10465591, 10465606, 8000000, 8000012, 8000013, 8000014, 8000029, 8000037, 8000041, 8000046, 8000051, 8000052, 8000059, 8000061, 8000072, 8000104, 8000106, 8000107, 8000108, 8000136, 8000152, 8000172, 8000173, 8000197, 8000198, 8000202, 8000210, 8000211, 8000226, 8000230, 8000239, 8000257, 8000259, 8000282, 8000295, 8000382, 8000383, 8000396, 8000669, 8100000, 8100002, 8100009, 8100011, 8100021, 8100034, 9000841, 9000842, 9000854, 9000857, 9000858, 9000870, 9000871, 9000872, 9000873, 9000875, 9000876, 9000877, 9000879, 9000880, 9000881, 9000882, 9000884, 9000885, 9000886, 9000887, 9000889, 9000890, 9000897, 9000904, 9000906, 9000910, 9000916, 9000918, 9000920, 9000921, 9000925, 9000927, 9000928, 9000929, 9000937, 9000941, 9000957, 9000964, 9000968, 9000971, 9000972, 9000975, 9000979

APLICACOES

CHEVROLET - GM BLAZER E S-10 C/ MOTOR VORTEC V6 4.3, SILVERADO 6.0 V8 (C/ MOTOR VORTEX) **CLARK** EMPILHADEIRAS **HYSTER** EMPILHADEIRAS **YALE** EMPILHADEIRAS **REPARO DA PLANETÁRIA: RP-0071, RP-0097**



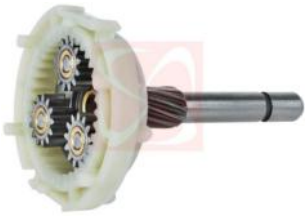
REFERENCIA		
P3-120		
FABRICANTE	Nº OEM	TIPO ARRANQUE
FORD / MOTORCRAFT		

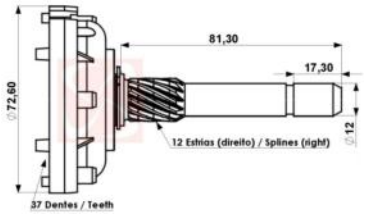
MOTOR DE PARTIDA

F8TU11000DD9251-AI

APLICACOES

FORD ECOSPORT, EXPLORER V6 4.0 GAS., RANGER V6 4.0 **REPARO DA PLANETÁRIA: RP-0067, RP-0092**





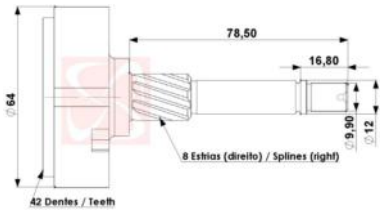
REFERENCIA		
P3-121		
FABRICANTE	Nº OEM	TIPO ARRANQUE
FORD / MOTORCRAFT		

MOTOR DE PARTIDA

F07U11000AA, F07UAA716A, F37U11131BA, F3TU11131AA

APLICACOES

FORD EXPLORER 4.0, F1000 4.0, RANGER 4.0 GAS **REPARO DA PLANETÁRIA: RP-0093, RP-0067**



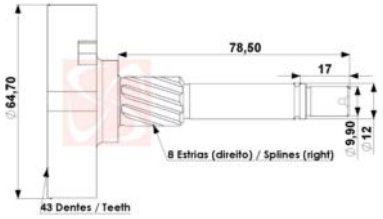
REFERENCIA		
P5-100		
FABRICANTE	Nº OEM	TIPO ARRANQUE
MITSUBISHI		

MOTOR DE PARTIDA

1250300, 36100-23060, 361003E020, 6E5T-11000-AB, 965631768003, M000T80081, M000T80381, M000T80881, M000T80981, M000T81081, M000T82081, M000T82081ZE, M000T88481ZC, M000T92581

APLICACOES

CHEVROLET-GM MICRO ÔNIBUS VOLARE, S-10 **CITROEN** C4 PALLAS VTR, C5 2.0, PICASSO 2.0 16V (2004-2009) **DIVERSAS** NISSAN **FORD** FUSION 2.3 (2006-2010) **HYUNDAI** COUPE 1.6 16V (1998-2002), COUPE 1.6 I 16V (1996-2002), COUPE 2.0 (2002->), COUPE 2.0 16V (1996-2002), ELANTRA 1.8 (1998-2002), ELANTRA 2.0 (1999-2001), ELANTRA 2.0 GLS (2002-2003), ELANTRA 2.0 GT (2002-2003), LANTRA 1.6 (1995-2000), LANTRA 1.6 16V (1995-2000), LANTRA 1.8 16V (1995-2000), LANTRA 2.0 16V (1996-2000), MATRIX 1.8 (2001->), TIBURON 1.8 (1997), TIBURON 2.0 (1998-2001), TIBURON 2.0 FX (1997-1998) **KIA** CERATO 2.0 (2004->), RIO I 1.3, RIO I 1.5 **MARCOPOLO** VOLARE **MAZDA** 323 VI 1.4, 323 VI 1.5 16V, 626 V 1.8, 626 V 2.0, FP13-18-X56 MXSMIATA, MPV, MPV II 2.0 16V, MX-5 II 1.6I, MX-5 II 1.8I, PREMACY 1.8, PREMACY 2.0, PROTEGE **MERCURY** MILAN 2.3 (2006-2010) **MITSUBISHI** PAJERO 2.0 **PEUGEOT** 206, 306, 307, 407 **REPARO DA PLANETÁRIA: RP-0070, RP-0096**



REFERENCIA		
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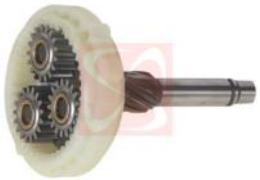
FABRICANTE	Nº OEM	TIPO ARRANQUE
MITSUBISHI		

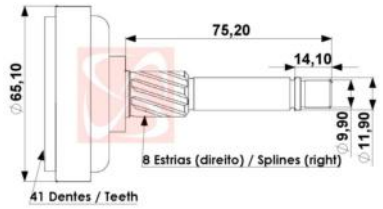
MOTOR DE PARTIDA

M001T74287ZC, M001T79781

APLICACOES

CATERPILLAR MÁQUINAS DIVERSAS **CLARK** EMPILHADEIRA **MITSUBISHI** EMPILHADEIRA FG25, PAJERO V6 GAS **REPARO DA PLANETÁRIA: RP-0103, RP-0066, RP-100**





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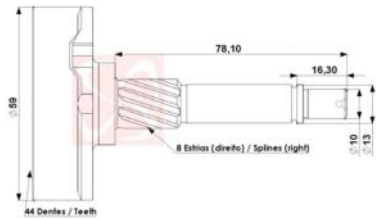
MITSUBISHI		

MOTOR DE PARTIDA

12601721, 9E5T-11000-AC, M000T16271ZC, M000T36571, M000T36571ZC

APLICACOES

BUICK ALLURE 3.6 (2007-2010), ENCLAVE 3.6 (2008-2017), LACROSSE 3.6 (2007-2016), RENDEZVOUS 3.6 (2006) **CADILLAC** ATS (2013-2015), CTS 3.6 (2007-2013), SRX 3.6 (2006-2016), STS 3.6 (2006-2011), XTS 3.6 (2013) **CHEVROLET** CAMARO 3.6 (2010-2015), CAPTIVA 3.6 V6, COLORADO 3.6 (2013-2016), EQUINOX 3.6 (2008-2017), IMPALA 3.6 (2014-2017), MALIBU 3.6 (2008-2012), TRAVERSE 3.6 (2009-2017) **FORD** FUSION 3.0L V6 (2010) **GMC** ACADIA 3.6 (2007-2015), CANYON 3.6 (2015-2016), TERRAIN 3.6 (2013-2017) **MERCURY** MILAN 3.0L V6 (2010) **PONTIAC** AURA 3.6 (2007-2009), G6 3.6 (2007-2009), OUTLOOK 3.6 (2007-2010), TORRENT 3.6 (2008-2009), VUE (2008-2010)



REFERENCIA		
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MITSUBISHI		

MOTOR DE PARTIDA

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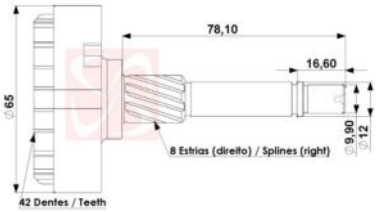
APLICACOES

CHEVROLET-GM CRUZE 1.7 D (2012->), CRUZE 1.7 TD (2012->), S-10 C/ MOTOR MWM 4 CC 2.8 SPRINT, TRAX 1.7 TD (2012->) **CHRYSLER** PT CRUISER 2.2 CRD (2005->), PT CRUISER 2.2 DIESEL (2002->), VOYAGER 2.5 CRD (2000->), VOYAGER 2.8 CRD (2004-2007), VOYAGER 2.8 CRDI (2007->) **CITROEN** JUMPER 2.5 DIESEL (1994-2002), JUMPER 2.5 TD (1994-2002), JUMPER 2.5 TDI (1996-2002) **DIVERSAS** VOLARE **DODGE** AVENGER 2.0 CRD (2007->), CALIBER 2.0 CRD (2006->), CARAVAN IV 2.8 CRD (2009->), DAKOTA 2.5 (1996-1998), GRAND CARAVAN 2.8 CRD (2008->) **FORD** RANGER 2.5 DIESEL (1999-2002), RANGER 2.5 TDDI (2005->) **HONDA** LEGEND II 3.2I V6, LEGEND III 3.5 V6, LEGEND IV 3.5 V6 **HYUNDAI** GALLOPER 2.5 DIESEL INTERCOOLER (1998->), H-1 2.5 (2000-2005), H-1 2.5 CDI (2006-2007), H-1 2.5 CRDI STAREX (2006-2007), H-1 2.5 D (2000-2005), H-1 2.5 TD (1997-2007), H-1 2.5 TD 4WD (1998-2004), H100 2.5 DIESEL (1993-2000), H100 2.5 TD (1993-2000), H100 2.5 TD (2006->), H100 P 2.5 DIESEL (1993-1994), PORTER 2.5 TD (1994-2004), PORTER 2.5 TD (2002-2004), STAREX 2.5 TD (1997-2004), STAREX 2.5 TD 4WD (1997-2007) **JEEP** CHEROKEE

2.5 (1998-1998), CHEROKEE 2.5 I (1991-1996), CHEROKEE 2.5 SE (1994-1997), CHEROKEE 2.8 CRD KJ (2003->), COMPASS 2.0 CRD (2006->), GRAND CHEROKEE 2.7 CRD 4X4 (2001->), PATRIOT 2.0 CRD (2006->), WAGONEER 2.5 RIO GRANDE (1995-1995), WAGONEER 2.5 SE (1994-1997), WRANGLER 2.5 (1991-1998) **KIA** 2500 2.5 TCI (2003->), PREGIO 2.5 TCI (2001->) **MAZDA** 3 2.0 CD MRZ (2006->), 323 2.0 DIESEL (1996-2000), 323 2.0 TD (1998-2001), 323 F 2.0 TD (2001-2004), 323 S 2.0 DIESEL (2000-2002), 5 2.0 DIESEL DI (2005->), 6 2.0 CD MRZ (2007->), 6 2.0 CITD 4X4 (2002-2005), 6 2.0 DIESEL DI (2002-2005), 626 2.0 DIESEL (1998-2002), 626 2.0 TD (2000-2002), 626 2.0 TDDI (1998-2002), B 2500 2.5 DIESEL (1999-2002), B 2500 2.5 DIESEL 4WD (1998-2002), B 2500 2.5 TD 4WD (1999->), BT-50 2.5 DIESEL 4WD (2006->), E 2000 2.2 DIESEL (1997-1999), E 2000 2.2 DIESEL 4WD (1997-2001), E 2200 2.2 DIESEL (1997-2002), E 2200 2.2 DIESEL 4WD (1997-2001), MPV 2.0 DIESEL DI (2002->), MPV 2.5 TD (1996-1999), PREMACY 2.0 TD (1999-2000) **MITSUBISHI**
CANTER 35 2.5 D (1992->), CHALLENGER 2.5 TD (2003->), COLT 1.8 DIESEL (1988-1992), COLT 1.8 DIESEL GLX (1988-1992), DELICA 2.3 D (1983-1986), GALANT 1.8 TURBO-D (1987-1992), GALANT 2.0 GLSTD (1992-1996), GALANT 2.0 TD (1992-1996), GALANT 2.0 TDI (1996-2004), GALANT 2.0 TDI (1996-2004) MITSUBISHI: GALANT 2.3 TURBO-D (1980-1984), GALANT 2.0 TDI (1996-2004) MITSUBISHI: PAJERO 2.5 TDI (1998-2006), GALANT 2.3 TD (1980-1984), GRANDIS 2.0 DI-D (2005->), L 200 2.5 D (1986-1996), L 200 2.5 D 4WD (1987-1993), L 200 2.5 DI-D (2006-2007), L 200 2.5 DIESEL (1996-2007), L 200 2.5 TD 4WD (1992-2007), L 300 2.3 D (1983-1986), L 300 2.5 D (1986-2006), L 300 2.5 DIESEL (1986-2006), L 300 2.5 TD 4WD (1988->), L 400 2.5 TD 2500 (1996->), L 400 2.5 TD 2500 4WD (1996->), L200 2.5 D (1996-2001), L200 2.5 TD (2003-2006), L200 2.5 TD 4WD (1996-2007), LANCER 1.8 DIESEL (1986-1992), LANCER 2.0 D (1992-2003), LANCER 2.0 DI-D (2008->), MONTERO 2.5 TD (2003->), OUTLANDER 2.0 DI-D (2007->), PAJERO 2.3 TD (1982-1986), PAJERO 2.5 TD (1986-2001), PAJERO 2.5 TD SPORT (1998-2003), PAJERO 2.5 TDI (2000-2006), PAJERO PININ 2.0 GDI (2000->), PAJERO SPORT 2.5 TD (1998-2003), SPACE GEAR 2.5 TD (1995-2000), SPACE GEAR 2.5 TD (1996-2001), SPACE GEAR 2.5 TD 4WD (1995->), SPACE RUNNER 2.0 TD (1992-1999), SPACE WAGON 1.8 TD (1986-1998), SPACE WAGON 2.0 TD (1992-1998) **OPEL** ASTRA 1.7 GTC CDTI (2011->), ASTRA J 1.7 CDTI (2009-2012), ASTRA J 1.7 CDTI SPORTS TOURER (2010->), MERIVA B 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->) **PEUGEOT** 4X4 (1994-2002), 605 2.5 TD (1994-1999), BOXER 2.4 TDI (1996-2002), BOXER 2.5 DIESEL, BOXER 2.5 TDI (1997-2002), BOXER 2.5 TDI 4X4 (1996-2002) **PROTON** PERSONA 420 2.0 DIESEL (1996->) **RENAULT** MASTER 2.5 DIESEL (1997-2003), MASTER 2.8 DIESEL (1997-2003) **SUZUKI** GRAND VITARA 1.6 (1998->), JIMNY 1.3 16V (1998-2001), JIMNY 1.3 16V 4WD (1998-2001), SAMURAI 1.3 (1988->), SJ 413 1.3 (1984-1990), VITARA 1.6 (1988-1998), VITARA 1.6 16V (1991-1994), VITARA 1.6 I 4WD (1990-1999), X-90 1.6 I 16V (1995->) **TROLLER** T4 2.8 TD MWM 4 CC SPRINT (2001->) **VAUXHALL** ASTRA MK V 1.7 CDTI (2011->), ASTRA MK VI 1.7 CDTI (2012->), ASTRA MK VI GTC 1.7 CDTI (2011->), MERIVA MK II 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->), MOVANO 2.5 DIESEL (1998-2000), MOVANO 2.8 DTI (1998-2001) **REPARO DA PLANETÁRIA: RP-0101, RP-0102, RP-0103**

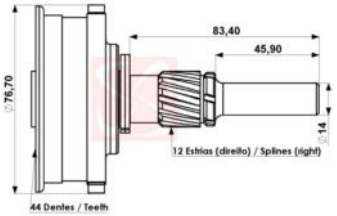


REFERENCIA		
P5-104		
FABRICANTE	Nº OEM	TIPO ARRANQUE
MITSUBISHI		

MOTOR DE PARTIDA

APLICACOES

DIVERSAS RENAULT **HYSTER** EMPILHADEIRA **REPARO DA PLANETÁRIA: RP-0103, RP-0073**



REFERENCIA		
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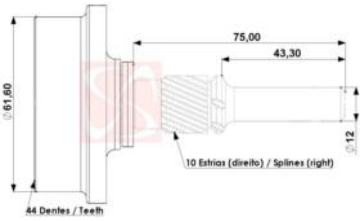
FABRICANTE	Nº OEM	TIPO ARRANQUE
MITSUBISHI		

MOTOR DE PARTIDA

861178, M0009T62173ZA, M009T66171, M9T61671, M9T62173ZA, M9T62572ZA, M9T62671

APLICACOES

DIVERSAS FH 380, TRAKKER 160 T38 **FORD** 7000, 8000, 9000 C/ MOTOR CUMMINS ISM DE 1985 A 1999, L6000 **FREIGHTLINER** C/ MOTOR CATERPILLAR DE 1999 A 2007 **IVECO** EUROSTAR 190, EUROSTAR 260, EUROSTAR 440, EUROTECH 190, EUROTECH 260, EUROTECH 440, EUROTRAKKER 190, EUROTRAKKER 260, EUROTRAKKER 340, EUROTRAKKER 380, EUROTRAKKER 400, EUROTRAKKER 410, EUROTRAKKER 440, EUROTRAKKER 720, STRALIS 190, STRALIS 260, STRALIS 400, STRALIS 440, STRALIS 440 S50, STRALIS 440 S54, STRALIS 440 S56, STRALIS L 190, TRAKKER 190, TRAKKER 190 T38, TRAKKER 190 T44, TRAKKER 190 T45, TRAKKER 260, TRAKKER 340, TRAKKER 380, TRAKKER 400, TRAKKER 410, TRAKKER 440, TRAKKER 720, TRAKKER N 190 **VOLKSWAGEN** 13-180, 15-180, 17-210, 17-260, 24-280, 26-260, 31-260, CONSTELLATION **VOLVO** 12 420, 12 460, 12 500, 9700, 9900, B 12 B, FH 12 340 VOLVO: 12 380, FH 400, FH 420, FH 440, FH 460 FH 480, FH 500, FH 520, FH 540, FM 12 340, FM 12 420, FM 360, FM 380, FM 400, FM 420, FM 440, FM 460, FM 480, FM 500, SERIES CUMMINS ISM, VHD SERIES CUMMINS ISM, VNM SERIES CUMMINS ISM, VNM SERIES WA, VNM SERIES WC, VNM SERIES WG, VNM SERIES WH, VNM SERIES WI, VNM SERIES WX **REPARO DA PLANETÁRIA: RP-0113**



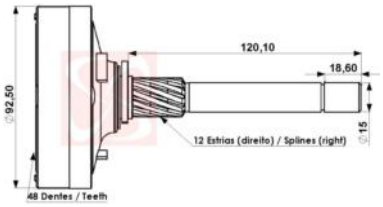
REFERENCIA		
P5-108		
FABRICANTE	Nº OEM	TIPO ARRANQUE
MITSUBISHI		

MOTOR DE PARTIDA

51262017236, M008T55578, M008T55779, M008T61671, M8T62671

APLICACOES

IVECO 180 E 24 7.8 (2000-2004), 180 T 24 7.8 (2004-2006), 180 T 27 7.8 (2004-2006), 180 T 31 7.8 (2004-2006), 190 E 24 7.8 (2000-2004), 190 E 27 7.8 (2000-2003), 190 E 31 7.8 (2000-2004), 190 E 35 (2000-2004), 190 S 27 7.8 (2003-2006), 190 S 30 7.8 (2003-2006), 190 S 35 (2003-2006), 190 S 36 7.8 (2003-2006), 190 T 27 7.8 (2004-2006), 190 T 31 7.8 (2004-2006), 190 T 33 7.8 (2006->), 190 T 35 7.8 (2004-2006), 190 T 36 7.8 (2006->), 260 E 24 7.8 (2000-2003), 260 E 27 7.8 (2000-2004), 260 E 31 7.8 (2000-2004), 260 E 35 7.8 (2000-2004), 260 S 27 7.8 (2003-2006), 260 S 30 7.8 (2003-2006), 260 S 31 7.8 (2003-2006), 260 S 33 7.8 (2006->), 260 S 35 (2003-2006), 260 S 36 7.8 (2006->), 260 T 31 7.8 (2004-2006), 260 T 33 7.8 (2006->), 260 T 35 7.8 (2004-2006), 260 T 36 7.8 (2006->), 340 T 35 7.8 (2004-2006), 340 T 36 7.8 (2006->) **MAN** SERIES 10, SERIES 12, SERIES 13, SERIES 15, SERIES 18, SERIES 26, SERIES 7, SERIES 8 **VOLKSWAGEN** 24.280, CONSTELLATION 17.280 **VOLVO** PENTA D4, PENTA D6 **REPARO DA PLANETÁRIA: RP-0142, RP-0137, RP-0005**



REFERENCIA		
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PRESTOLITE - LUCAS INDIEL	K01497,K01571, M5206020	M100R

MOTOR DE PARTIDA

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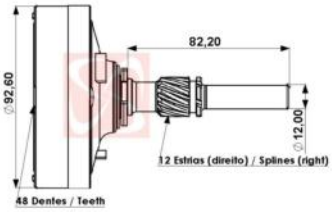
APLICACOES

AGRALE MARRUÁ MWM SPRINT 4.07 **CATERPPILAR** BLUE BIRD USA CAT 3126 7.2, BLUE BIRD USA CAT 3126 7.2 (OCP) **CUMMINS** CUMMINS C 8.3 CUMMINS B, CUMMINS ISB02 5.8 **FORD** CARGO 1622, CARGO 2422, CARGO 2425, CARGO 2425 MIXER CUMMINS 6CTAA 8.3, CARGO 2630 CUMMINS 6CTAA 8.3, CUMMINS B 5.9 **FREIGHTLINER** NAVISTAR V8 7.3 **GRADALL** 4045 JOHN DEERE 4 CIL. 4.5 **INTERNACIONAL ENGINES** CAMINHÃO NAVISTAR DT-360 5.9, CAMINHÃO NAVISTAR DT444E - V8 7.3, CAMINHÃO NAVISTAR DT446 - I6 7.6 **JOHN DEERE** 7820 6081H 6 CIL, CEIFEIRA 1550 6081H 6 CIL, TRATOR 6 CIL **MERCEDES BENZ** O371 6 CIL, OF1215, OF1315, OF215 6 CIL, OH1316, OH1318, OH1320, ÔNIBUS 1214, ÔNIBUS 1414, ÔNIBUS 1418, ÔNIBUS 1614 CAIXA AUTOMÁTICA **PAUNI** MINIBUS CUMMINS 4BT 3.9 **VALMET** TRATORES **VALTRA** BH160, BH180 SISU 6CIL, TRATOR BH140, TRATOR BI88 SISU 4 CIL, TRATOR BL77 SISU 3CIL, TRATOR BM100, TRATOR BM110, TRATOR BM120 SISU 4CIL, TRATOR LIVIANO, TRATOR LIVIANO 685C, TRATOR LIVIANO 785C MWM 3 CIL, TRATOR PESADO 1280, TRATOR PESADO 1580 MWM 6 CIL, TRATOR PESADO 1780 MWM 6 **VOLKSWAGEN ÔNIBUS** 17250E (C/ MOTOR CUMMINS), 26250E (C/ MOTOR CUMMINS), ÔNIBUS MWM 4 E 6 CIL. **VOLVO** VM17 MWM SERIES 229, VM17 MWM SERIES X10, VM23 MWM SERIES 229, VM23 MWM SERIES X10 **REPARO DA PLANETÁRIA: RP-0104, RP-0001, RP-0135**



REFERENCIA		
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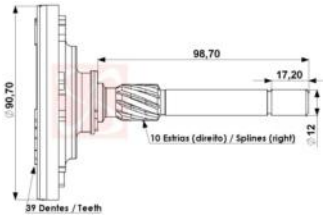
PRESTOLITE - LUCAS INDIEL	K01561,K1561	

MOTOR DE PARTIDA

35259500, 35259820, 35260900, 35260910, 35261345, 35261385, 35261680, 35261690, AJ59341, AJ59342, RE509658, RE509857

APLICACOES

OBSERVAÇÕES M100R 12V **CATERPILLAR** MÁQUINAS DIVERSAS **DIVERSAS** TRATOR 1420 **FORD** F600 **JOHN DEERE** MOTONIVELADORA 165J, MOTONIVELADORA 180J, MOTONIVELADORA 185J, MOTONIVELADORA 2140, MOTONIVELADORA 2330, MOTONIVELADORA 2420, MOTONIVELADORA 2530, MOTONIVELADORA 2730, MOTONIVELADORA 2850, MOTONIVELADORA 3140, MOTONIVELADORA 3350, MOTONIVELADORA 3420, MOTONIVELADORA 3530, MOTONIVELADORA 3540, MOTONIVELADORA 4420, MOTONIVELADORA 4530, MOTONIVELADORA 5320N, MOTONIVELADORA 5410, MOTONIVELADORA 5520N, MOTONIVELADORA 5600, MOTONIVELADORA 570, MOTONIVELADORA 5700, MOTONIVELADORA 570A, MOTONIVELADORA 6300, MOTONIVELADORA 6405, MOTONIVELADORA 6405 JOHN DEERE: MOTONIVELADORA 6415, MOTONIVELADORA 6600, MOTONIVELADORA 6600 JOHN DEERE: MOTONIVELADORA 7505, MOTONIVELADORA 6605, MOTONIVELADORA 7165, MOTONIVELADORA 7180, MOTONIVELADORA 7185, MOTONIVELADORA 7215J COMBINE 6 CILINDROS, MOTONIVELADORA 7515 **REPARO DA PLANETÁRIA: RP-0104, RP-0001, RP-0135**



REFERENCIA		
P2-147		
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PRESTOLITE - LUCAS INDIEL	35258669,K21147, M5206206,K01220	M93R

MOTOR DE PARTIDA

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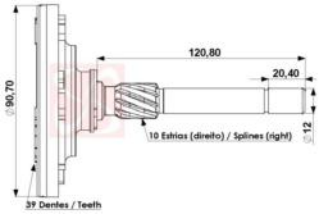
APLICACOES

AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, D20, S10 C/MOTOR MAXION HS, SILVERADO C/MOTOR MWM **CUMMINS** MOTORES SÉRIES 6BT(DIANTEIRO), MOTORES SÉRIES B6 MOTORES SÉRIES BT5.9L **FORD** CARGO 1416, CARGO 1716, CARGO 1722, F-100, F-1000, F-14000 C/ MWM, RANGER, TRANSIT DIESEL **JOHN DEERE** TRATORES **LAND ROVER** DEFENDER 2.5, DISCOVERY 2.5 **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL **MERCEDES-BENZ** 180D - KOMBI ESPANHOLA, CAMINHÕES, MB 180 D, ÔNIBUS, SPRINTER C/ MOTORMAXION HS **MWM** SPRINT **PERKINS** MOTORES 3.152, MOTORES 4.203, MOTORES 4.236, MOTORES 6.354 **PEUGEOT** 504, 505, VÁRIOS C/ MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15, CAMINHÃO 160, DELIVERY 8120, DELIVERY 8150, DELIVERY 9150 **REPARO DA PLANETÁRIA: RP-0095, RP-0082, RP-0002**



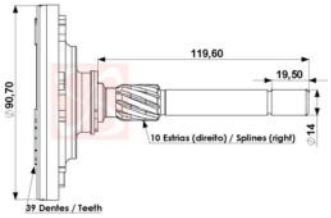
REFERENCIA		
P2-149		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35258853,K21149, KJD08,KJD09	M93R

MOTOR DE PARTIDA

35258880, 35258940, 35258950, 35258990, 35259000, 35259130, 35259210, 35259620, 35259630, 35259650, 35259660, 35259670, 35259680, 35259690

APLICACOES

CUMMINS MOTOR 6BT59L, MOTORES SÉRIE B **DIMEX** ÔNIBUS **FORD** CAMINHÕES, CARGO 1416, CARGO 1722, F100 **MERCEDES-BENZ** CAMINHÕES DIVERSOS, ÔNIBUS **REPARO DA PLANETÁRIA: RP-0082, RP-0095, RP-0002**



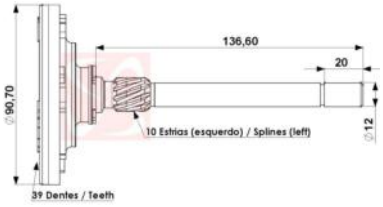
REFERENCIA		
P2-212		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	352.59.959,K01212	

MOTOR DE PARTIDA

35258880, 35258940, 35258950, 35258990, 35259000, 35259130, 35259210, 35259620, 35259630, 35259650, 35259660, 35259670, 35259680, 35259690

APLICACOES

DIVERSAS SHELHURST **MERCEDES-BENZ** ÔNIBUS 6CC **REPARO DA PLANETÁRIA: RP-0082, RP-0095, RP-0002**



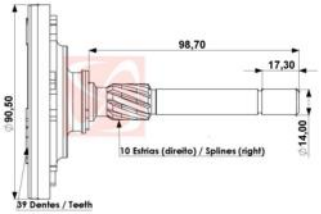
REFERENCIA		
P2-219		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35259859,K01219	

MOTOR DE PARTIDA

35259480

APLICACOES

VOLKSWAGEN TRANSPORTER T4 2.4 DIESEL **REPARO DA PLANETÁRIA: RP-0082, RP-0095, RP-0002**



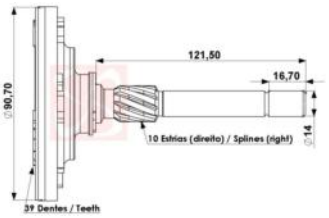
REFERENCIA		
P2-221		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35259952,K01221, K01284	

MOTOR DE PARTIDA

35259310, 35259710, 35259720, 35261020, 35261175, YD00010680

APLICACOES

AGCO TRATOR 6 CILINDROS **DIVERSAS** TRATOR MF297 **FORD** F250, POWER STROKE **INDENOR** MOTORESINDENOR 6.305, MOTORESINDENOR 6.354 **MASSEY FERGUSON** COLHEITADEIRA MF3640, COLHEITADEIRA MF5650, MF299, MF5320, MF640, MF650, MF660, MF680 **PEUGEOT** 404 DIESEL, 504 DIESEL, 505 DIESEL **REPARO DA PLANETÁRIA: RP-0082, RP-0095**



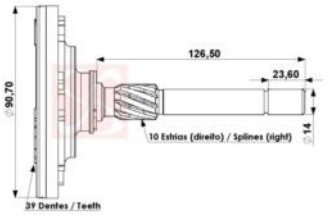
REFERENCIA		
P2-222		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35259465,K01222, K01261,K01349,K01469 K21148,KJD20,KJD21	M93R

MOTOR DE PARTIDA

2C3511001BA, 2C4511001BA, 2R0911023A, 35258620, 35259300, 35259330, 35259390, 35259430, 35259580, 35259590, 35259600, 35259620, 35259630, 35259650, 35259660, 35259670, 35259690, 35259750, 35259760, 35259880, 35259900, 35260940, 35260950, 35261070, 35261120, 35261155, 35261190, 35261355, 35261360, 35261420, 35261425, 35261760, 35262580, 4C4511001BA, 905720100093, AJ60123, F7HT11001AC, RE509658, TJG911023B, XC3U11000CA

APLICACOES

AGRALE CAMINHÃO 7500, CAMINHÃO 8000, CAMINHÃO 8500, CAMINHÃO 9200, TRATOR 5075, TRATOR 5075.4, TRATOR 5085, TRATOR 5085.4, TRATOR MOTOR MWM **CHEVROLET - GM** BLAZER (C/ MOTOR CUMMINS 5.9) **CUMMINS** MOTOR B 5.9, MOTORES VM **DEUTZ AGCO** TRATOR **DIVERSAS** INTERNATIONAL BRAZIL **DODGE** D1000 **FORD** B7000, C/ MOTORES CUMMINS, C/ MOTORES CUMMINS 4BT, CARGO 1416, CARGO 1716, F100, F1000, F12000, F14000, F150, F16000, F250, F350, F7000 **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, TRATOR 7500 **MASSEY FERGUSON** TRATOR C/ MOTOR PERKINS, TRATOR MF250X **MAXION** MOTOR S4 **MWM** 4 CILINDROS, 6 CILINDROS **NEW HOLLAND** TRATOR TL65E, TRATOR TL75E, TRATOR TL85E, TRATOR TL95E **PERKINS** D-28 MT **VOLKSWAGEN** B16210, B17210 OD, B17240 OT, B8150 OD, B9150 **REPARO DA PLANETÁRIA: RP-0082, RP-0095, RP-0002**



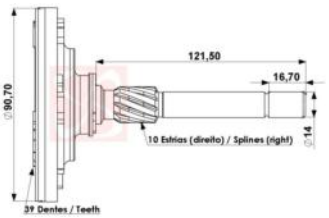
REFERENCIA		
P2-343		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35259915,K01343, K01589	

MOTOR DE PARTIDA

2C4511001AA, 2S0911023, 35259640, 35259870, TJG911023D, XC4511001CA, XS4511001CA

APLICACOES

CUMMINS MOTORES 4BT, MOTORES 6BT, MOTORES 6BTAA, MOTORES B **FORD** 1217, 1417, 1421, 1617, 1621, CAMINHÕES C/ MOTORES CUMMINS, CARGO 815 **VOLKSWAGEN** 13190, 15190, 17210, 23210, CAMINHÕES C/ MOTORESCUMMINS **REPARO DA PLANETÁRIA: RP-0082, RP-0095, RP-0002**



REFERENCIA		
P2-422		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35259465,K01222, K01261,K01349,K01469 K21148,KJD20,KJD21 M5205832,35262724	M93R

MOTOR DE PARTIDA

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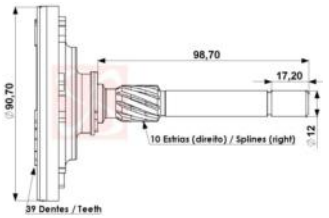
APLICACOES

AGRALE CAMINHÃO 7500, CAMINHÃO 8000, CAMINHÃO 8500, CAMINHÃO 9200, MOTOR MWM, TRATOR 5075, TRATOR 5075.4, TRATOR 5085, TRATOR 5085.4 **CHEVROLET - GM** BLAZER (C/ MOTOR CUMMINS 5.9) **CUMMINS** MOTOR B 5.9 / AFTERCOOLER / ELETRÔNICO, MOTORES / VMMOTOR; FORD: F100 **DEUTZ AGCO** TRATOR **DIVERSAS** INTERNATIONAL BRAZIL **DODGE** D1000 **FORD** B7000, C/ MOTORES CUMMINSE CUMMINS 4BT, CARGO 1416, CARGO 1716, F1000, F12000, F14000, F150, F16000, F250, F350, F7000 **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, TRATOR 7500 **MASSEY FERGUSON** TRATOR C/ MOTOR PERKINS, TRATOR MF250X **MAXION** MOTOR S4 **MWM** 4 CILINDROS, 6 CILINDROS **NEW HOLLAND** TRATOR TL65E, TRATOR TL75E, TRATOR TL85E, TRATOR TL95E **PERKINS** D-28 MT **VOLKSWAGEN** B16210, B17210 OD, B17240 OT, B8150 OD, B9150 **REPARO DA PLANETÁRIA: RP-0095, RP-0147, RP-0002**



REFERENCIA		
P2-447		
FABRICANTE	Nº OEM	TIPO ARRANQUE
PRESTOLITE - LUCAS INDIEL	35258669,K21147, M5206206,K01220	M93R

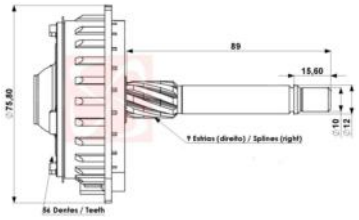
MOTOR DE PARTIDA

1L5411000AA, 35258490, 35258540, 35258580, 35258660, 35258690, 35258710, 35258820, 35258880, 35258940, 35258950, 35258960, 35259040, 35259050, 35259150, 35259170, 35259180, 35259400, 35260828, 35261305, A001233410E, ERR5009, NAD10038

APLICACOES

AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, D20, S10 C/MOTOR MAXION HS, SILVERADO C/MOTOR MWM **CUMMINS** MOTORES SÉRIES 6BT(DIANTEIRO), MOTORES SÉRIES B6

MOTORES SÉRIES BT5.9L **FORD** CARGO 1416, CARGO 1716, CARGO 1722, F-100, F-1000, F-14000 C/ MWM, RANGER, TRANSIT DIESEL **JOHN DEERE** TRATORES **LAND ROVER** DEFENDER 2.5, DISCOVERY 2.5 **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL. **MAXION** MOTORES **MERCEDES-BENZ** 180D - KOMBI ESPANHOLA, CAMINHÕES, MB 180 D, ÔNIBUS, SPRINTER C/ MOTORMAXION HS **MWM** SPRINT **PERKINS** MOTOR 3.152, MOTOR 4.203, MOTOR 4.236, MOTOR 6.354 **PEUGEOT** 504, 505, VÁRIOS C/ MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15, CAMINHÃO 160, DELIVERY 8120, DELIVERY 8150, DELIVERY 9150 **REPARO DA PLANETÁRIA: RP-0095, RP-0147, RP-0002**



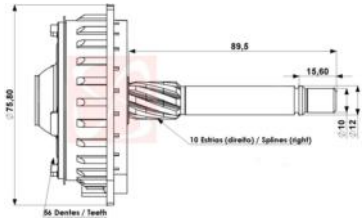
REFERENCIA		
P6-101		
FABRICANTE	Nº OEM	TIPO ARRANQUE
VALEO		

MOTOR DE PARTIDA

36100-42350, DSL3610042350, DSL42360, TM000A34101, TM000A36101, TM00A31201

APLICACOES

FIAT DUCATO **HYUNDAI** ACCENT 1.5 CRDI, HR **KIA** BONGO, CEE´D 1.5, K2700, SORENTO 2.5 TURBO DIESEL **MERCEDES BENZ** SPRINTER 311, SPRINTER 313 CDI **RENAULT** MASTER **VOLKSWAGEN** AMAROK 2.0 TDI **REPARO DA PLANETÁRIA: RP-0114**



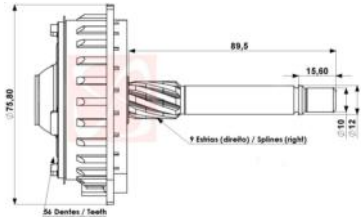
REFERENCIA		
P6-104		
FABRICANTE	Nº OEM	TIPO ARRANQUE
VALEO	594283	

MOTOR DE PARTIDA

432644, 438011, 438053, 438085, 455720, 455734, 455741, 455745, 455873, 726008, D7R11, D7R12, D7R13, D7R15, D7R151, D7R16, D7R17, D7R18, D7R19, D7R20, D7R22, D7R23, D7R24, D7R25, D7R26, D7R27, D7R28, D7R281, D7R33, D7R34, D7R35, D7R42

APLICACOES

AUDI A3 (97-00) MOTORES ASV **CITROEN** 14 4X4, 602 (70-90), ACADIANE, AMI, AX, BERLINGO 1.8D, BERLINGO 1.9D, C.A 91-97, DYANE, MEHARI, SAXO, SAXO 1.5 (96-03), ZX 1.5 **DIVERSAS** SEAT, TATRA **FIAT** BRAVA 1.9 D, BRAVO 1.9 D, DUNA 1.7 D, ELBA 1.7 D, FIORINO 1.7 D, PALIO 1.7 D, PALIO WEEKEND 1.7 TD, PUNTO 1.7 D, PUNTO TD, REGATA 1.7 D, SCUDO TD, SIENA 1.7 D, SIENA 1.7 TD, STRADA 1.7 TDS, TEMPRA 1.9 D, TIPO 1.7 D, UNO 1.4 TD, UNO 1.7 D, UNO MILLE 1.7 D **HYUNDAI** HR **JPX** JIPE MONTEZ **LANCIA** PHEDRA 2.0, PHEDRA 2.2 JTD (02), Z 2.0 JTD (99- 00) **MERCEDES BENZ** 190D 2.2L D, 190D 2.5L D (84-89), 3.5L D (86-93), 300D, 350SD, CD, CLASSE C 200 2.0 CDI, CLASSE C 200 2.0 DIESEL, CLASSE C 200 2.1 CDI, CLASSE C 200 2.2 CDI, CLASSE C 220 2.1 CDI, CLASSE C 220 2.2 CDI, CLASSE C 220 2.2 DIESEL, CLASSE C 250 2.5 DIESEL, CLASSE C 250 2.5 TD, CLASSE C 270 2.7 CDI, CLASSE C 30 3.0 AMG CDI, CLASSE CLK 220 2.1 CDI, CLASSE CLK 270 2.7 CDI, CLASSE E 200 2.0 DIESEL, CLASSE E 200 2.1 CDI, CLASSE E 200 2.2 CDI, CLASSE E 200 2.2 DIESEL, CLASSE E 200 2.5 TD, CLASSE E 220 2.1 CDI, CLASSE E 250 2.5 DIESEL, CLASSE E 270 2.7 CDI, CLASSE E 280 3.2 CDI, CLASSE E 290 2.9 TD, CLASSE E 300 3.0, CLASSE E 320 3.2 CDI, CLASSE G 270 2.7 CDI, CLASSE ML 270 2.7 CDI, CLASSE S 320 3.2 CDI, CLASSE V 200 2.2 CDI, CLASSE V 230 2.3 TD, O812 2.9, S CLASS 3.5L D (94-95), SD, SDL, SDL 3.5LD (91), SPRINTER, SPRINTER 208 2.1 CDI, SPRINTER 208 2.3 DIESEL, SPRINTER 209 2.1 CDI, SPRINTER 210 2.9 DIESEL, SPRINTER 211 2.1 CDI, SPRINTER 212 2.9 DIESEL, SPRINTER 213 2.1 CDI, SPRINTER 215 2.1 CDI, SPRINTER 216 2.7 CDI, SPRINTER 308 2.1 CDI, SPRINTER 308 2.3 DIESEL, SPRINTER 309 2.1 CDI, SPRINTER 310 2.9 DIESEL, SPRINTER 311 2.1 CDI, SPRINTER 312 2.9 DIESEL, SPRINTER 313 2.1 CDI, SPRINTER 315 2.1 CDI, SPRINTER 316 2.7 CDI, SPRINTER 408 2.1 CDI, SPRINTER 408 2.3 DIESEL, SPRINTER 410 2.9 DIESEL, SPRINTER 411 2.1 CDI, SPRINTER 412 2.9 DIESEL, SPRINTER 413 2.1 CDI, SPRINTER 416 2.7 CDI, SPRINTER 509 2.1 CDI, SPRINTER 616 2.7 CDI, TD 2.5L D, TD 3.0L D, VIANO 2.1 CDI, VIANO 2.2 CDI, VITO 108 2.2 CDI, VITO 108 2.3 DIESEL, VITO 109 2.1 CDI, VITO 110 2.2 CDI, VITO 110 2.3 DIESEL, VITO 110 2.3 TD, VITO 111 2.2 CDI, VITO 112 2.2 CDI, VITO 115 2.2 CDI **NISSAN** K11 (98-02), MICRA 1.5 D, PRIMERA 1.9L (03) **OPEL** VIVARO 1.9L (01) **PEUGEOT** 106 1.4 D (92-96), 106 1.5 D (94-05), 206 MOTEUR 1.9D DW8, 405 DIESEL, 406 3.0I V6 24V, 605 3.0I V6 24V, PARTNER **RENAULT** AVANTIME 2.2 DCI 150CV, CLIO EXPRESS, ESCAPE III 2.2, LAGUNA, LAGUNA GRANDTOUR 2.2 DT 113CV, LAGUNA GRANDTOUR II 2.2 DCI, MASTER 2.2, MASTER 2.5 CDI (2010 ->), MEGANE EXPRESS R19 D, R21 D, SAFRANE II 2.2, TRAFIC II 2.5, VELSATIS 2.2 **ROVER** 114D (92-94), 115D (94-97), AGRUPA 1.4 D (92-95) **SEAT** IBIZA 1.7 D, MÁLAGA 1.7 D, RONDA 1.7 D **SKODA** OCTAVIA A4 AGR OCTAVIA A4 AHF, OCTAVIA A4 ALH, OCTAVIA A4 AQM, OCTAVIA A4 ASV **SUZUKI** GRAND VITARA 1.9L D (05), SAMURAI 1.9L TD (98) **VOLKSWAGEN** BEETLE (99-01), BORA (02-05), COM MOTOR AGR, COM MOTOR AHF, COM MOTOR ALH, COM MOTOR AQM, COM MOTOR ASV, GOLF MK4 (98-06) **VOLVO** 400TD, 440 TD, 460 TD



REFERENCIA		
P6-105		
FABRICANTE	Nº OEM	TIPO ARRANQUE
VALEO	7701041250,594187	D7R/D8R

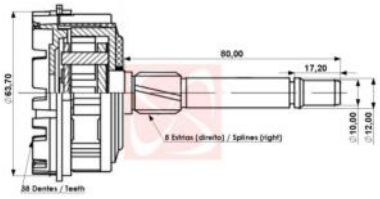
MOTOR DE PARTIDA

432630, 432637, 432644, 432666, 432672, 432684, 433323, 438030, 438065, 438068, 438069, 438088, 438090, 438095, 438096, 438148, 438158, 438165, 438186, 438199, 438200, 438201, 455550, 455674, 455687, 455695, 455719, 455720, 455749, 455895, 455899, 455928, 455929, 455943, 455954, 455957, 455959, 455971, 455972, 458118, 458172, 458178, 458180, 458289, 458290, 458366, 726004, 726006, 726008, 726021, 726031, 726033, 726045, 726047, 726052, 8200634602, D7GR53, D7R151, D7R19, D7R20, D7R24, D7R25, D7R26, D7R27, D7R28, D7R33, D7R34, D7R35, D7R40, D7R43, D7R44, D7R46, D7R47, D7R48, D7R49, D7R53, D7R56, D7R57, D7R64, D7R65, D7R70, D7R8, D7R9, D8R1, D8R27, D8R28, D8R29, D8R49

APLICACOES

CITROEN 1.9 TD, 2.0 HDI, BERLINGO 1.8 D, BERLINGO 1.9 D, C4 2.0 HDI, C4 PICASSO 1.6, C4 PICASSO 2.0 HDI, C5 2.0, C8 2.0 HDI, DS4 2.0 HDI, DS5 2.0 HDI, EVASION 1.9 TD, EVASION 2.0 HDI, EVASION 2.1 TD, JUMPER 1.9 D, JUMPY (DISPATCH) 1.6 HDI, JUMPY 1.9 D, JUMPY 1.9 TD, JUMPY 2.0 HDI, XANTIA 1.9 TD, XSARA 1.8 D, XSARA 1.9 D, XSARA 1.9 TD, XSARA 2.0 HDI, XSARA PICASSO 2.0 HDI, ZX 1.4 D, ZX 1.5 D **CITROËN** AX 1.4, AX 1.5 D, BERLINGO 1.4I, BERLINGO 1.6I, BERLINGO 2.0 HDI, C15 1.1, C15 1.3, C5 2.2 HDI, EVASION 1.8I, EVASION 2.0I, EVASION 2.0I TURBO, SAXO 1.5 D, XANTIA 1.9 D, XANTIA 2.1 TD, XM 2.1 D, XM 2.1 TD TURBO, XSARA 1.5 D, ZX 1.8 D, ZX 1.9 D, ZX 1.9 TD **FIAT** DUCATO 1.9 D, DUCATO 1.9 TD, DUCATO 2.0 JTD, DUCATO 2.0I, DUCATO 2.3 TD, DUCATO 2.8 JTD, SCUDO 1.9 D, SCUDO 1.9 TD, SCUDO 2.0 JTD, ULYSSE 1.9 TD, ULYSSE 2.0 JTD, ULYSSE 2.1 TD **FORD** FIESTA 1.8 TDCI, FOCUS 1.8 TDCI, FOCUS 1.8 TDI, TRANSIT 2.5 D, TRANSIT 2.5 TD **HYUNDAI** HR **MERCEDES BENZ** 190 2.0 D, 190 2.5 D, 190 2.5 D TURBO, C 200 2.1 CDI, C 200 2.2 CDI, C 220 2.2 D, C 250 2.5 TD, CLASSE C 200 2.0 D, CLASSE C 210 2.2 CDI, CLASSE C 220 2.2 CDI, CLASSE C 250 2.5 D, CLASSE C 270 2.7 CDI, CLASSE C 30 3.0 CDI, CLASSE CLC 200 2.1 CDI, CLASSE CLC 220 2.1 CDI, CLASSE CLK 220 2.2 CDI, CLASSE CLK 270 2.7 CDI, CLASSE E 200 2.0 D, CLASSE E 200 2.1 CDI, CLASSE E 220 2.1 CDI, CLASSE E 220 2.2 CDI, CLASSE E 220 2.2 D, CLASSE E 250 2.5 D, CLASSE E 250 2.5 TD, CLASSE E 270 2.7 CDI, CLASSE E 280 3.2 CDI, CLASSE E 290 2.9 TD, CLASSE E 300 3.0 D, CLASSE E 300 3.0 TD, CLASSE E 300 3.0I, CLASSE E 320 3.2 CDI, CLASSE G 270 2.7 CDI, CLASSE G 300 3.0 TD, CLASSE S 300 3.0 TD, CLASSE S 320 3.2 CDI, CLASSE S 350 3.5 TD CLASSE V 200 2.2 CDI, CLASSE V 220 2.2 CDI, CLASSE V 230 2.3 TD, CLASSE W124 200 2.0 D, CLASSE W124 250 2.5 D, CLASSE W124 250 2.5 TD TURBO, CLASSE W124 300 3.0 D, CLASSE W124 300 3.0 TD TURBO, CLASSE W140 300 3.5 TD, SPRINTER 208 CDI, SPRINTER 208 D, SPRINTER 209 CDI, SPRINTER 210 D, SPRINTER 211 CDI, SPRINTER 213 CDI, SPRINTER 215 CDI, SPRINTER 216 CDI, SPRINTER 308 CDI, SPRINTER 308 D, SPRINTER 309 CDI, SPRINTER 310 D, SPRINTER 311 CDI, SPRINTER 312 DD, SPRINTER 315 CDI, SPRINTER 316 CDI, SPRINTER 408 D, SPRINTER 410 D,

SPRINTER 411 CDI, SPRINTER 412 D, SPRINTER 416 CDI, SPRINTER 509 CDI, SPRINTER 511 CDI, SPRINTER 515 CDI, SPRINTER 616 CDI, VIANO 2.0 CDI, VIANO 2.2 CDI, VIANO 3.7I, VITO 2.2 CDI, VITO 2.3 D, VITO 2.3 TD, VITO 3.7I V6 24V **MITSUBISHI** CARISMA 1.9 TD, KATANA, L200 **NISSAN** INTERSTAR 2.2 DCI 90 (2002-2006), INTERSTAR 2.4 DCI 100 (2003-2006), INTERSTAR 2.4 DCI 120 (2002-2006), INTERSTAR 2.4 DCI 150 (2006->), INTERSTAR 2.5 DCI 100 (2003-2011), INTERSTAR 2.5 DCI 115 (2002-2006), INTERSTAR 2.5 DCI 120 (2002-2011), INTERSTAR 2.5 DCI 150 (2006-2011), MOVANO 2.5 CDTI (2003-2007), MOVANO 2.5 DTI (2001-2003), PRIMASTAR 2.4 DCI 140 (2003->), PRIMASTAR 2.5 DCI 115 (2008->), PRIMASTAR 2.5 DCI 140 (2002-2006), PRIMASTAR 2.5 DCI 150 (2006->), VIVARO 2.5 CDTI (2006->), VIVARO 2.5 DTI (2003->), VIVARO A 2.5 CDTI (2006->), VIVARO A 2.5 DTI (2003->) **OPEL** MOVANO 2.2 DTI (2000->) **PEUGEOT** 106 1.5 D, 106 1.4 D, 206 1.9 D, 206 2.0 HDI, 306 1.8 D, 306 1.9 D, 306 1.9 TD, 307 2.0 HDI, 405 1.7 D, 405 1.7 TD, 405 1.9 D, 405 1.9 TD, 406 1.9 TD, 406 2.0 HDI, 406 2.1 TD, 605 2.1 D, 605 2.1 TD TURBO, 607 2.0 HDI, 806 1.9 TD, 806 2.0 HDI, 806 2.1 TD, BOXER 1.9 D, BOXER 1.9 TD, BOXER 2.0 HDI, EXPERT 1.9 D, EXPERT 1.9 TD, EXPERT 2.0 HDI, PARTNER 1.8 D, PARTNER 1.9 D, PARTNER 2.0 HDI **RENAULT** AVANTIME 2.2 DCI (2002-2003), ESPACE 2.2 12V TD (1996-2000), ESPACE 2.2 D (1997-2000), ESPACE 2.2 DCI (2000-2006), LAGUNA 2.2 DCI (2001-2007), LAGUNA 2.2 DCI GRANDTOUR (2001-2006), LAGUNA 2.2 DT (1996-2001), MASTER 2.2 DCI 90 (2000->), MASTER 2.5 DCI (2004-2010), MASTER 2.5 DCI 100 (2003->), MASTER 2.5 DCI 120 (2001->), SAFRANE 2.2 DT (1996-2000), TRAFIC 2.5 DCI (2007->), TRAFIC 2.5 DCI 115 (2001-2008), TRAFIC 2.5 DCI 145 (2006->), VEL SATIS 2.2 DCI (2002-2009) **SSANGYONG** MUSSO 2.3 D **SUZUKI** GRAND VITARA, VITARA 1.9 TD **VAUXHALL** MOVANO MK I 2.2 DTI (2000-2010), MOVANO MK I 2.5 CDTI (2001-2010), MOVANO MK I 2.5 DTI (2000-2010), VIVARO 2.0 CDTI (2006-2014), VIVARO 2.5 CDTI (2003-2014), VIVARO 2.5 DTI (2003-2014) **VOLVO** 340 1.6 D, 360 1.6 D, 440 1.9 TD, 460 1.9 TD, S40 1.9 TD, S40 1.9 TDCI, S40 1.9 TDI, V40 1.9 TD, V40 1.9 TDI



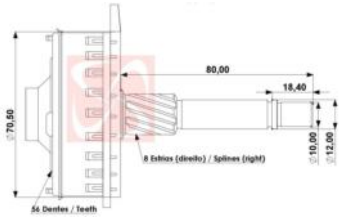
REFERENCIA		
P6-108		
FABRICANTE	Nº OEM	TIPO ARRANQUE
VALEO		

MOTOR DE PARTIDA

1202355, 361004A200

APLICACOES

HYUNDAI H-1 (2.5 CRDI), HR100, PORTER PICKUP (2.5 CRDI) **KIA** BONGO (K2500 TCI)



REFERENCIA		
P6-109		
FABRICANTE	Nº OEM	TIPO ARRANQUE
VALEO		

MOTOR DE PARTIDA

233002654R, 55564374, D7G26, TS18E33, TS22-32, TS22E20, TS22E26, TS22E36, TS22E5, TS22E8, TS24E3, TS24E6

APLICACOES

CHEVROLET-GM S10 2.8 DIESEL (2011-2014), TRAILBLAZER 2.8 CDTI (2012->) **FORD** C-MAX 1.5 TDCI (2015->), FOCUS 1.6 TDCI (2009->), GRAND C-MAX 1.5 TDCI (2015->) **NISSAN** NAVARA 3.0 DCI (2010->), NV400 2.3 DCI 145 RWD (2011-2014), NV400 DCI 100 (2011-2014), NV400 DCI 125 (2011-2016), NV400 DCI 125 RWD (2011-2016), NV400 DCI 145 (2011-2016), NV400 DCI 145 RWD (2011->), PATHFINDER 3.0 DCI (2010->), PRIMASTAR 2.0 DCI 115 (2006->), PRIMASTAR 2.0 DCI 120 (2006->), PRIMASTAR 2.0 DCI 90 (2006->), PRIMASTAR DCI 120 (2006->), PRIMASTAR DCI 90 (2006->), QASHQAI +2 2.0 DCI (2007-2013), QASHQAI +2 2.0 DCI 4X4 (2007-2013), QASHQAI 2.0 DCI (2007-2013), QASHQAI 2.0 DCI 4X4 (2007-2013), VIVARO 2.0, X-TRAIL 2.0 DCI (2007-2013), X-TRAIL 2.0 DCI 4X4 (2007-2013), X-TRAIL 2.0 DCI FWD (2007-2013) **OPEL** ASTRA H 1.3 CDTI (2005-2010), ASTRA H 1.3 CDTI GTC (2005->), ASTRA J 1.3 CDTI (2010->), CORSA D 1.3 CDTI (2006->), MOVANO 2.3 CDTI (2010->), MOVANO B 2.3 CDTI FWD (2010->), VIVARO A 2.0 CDTI (2006->), VIVARO CDTI (2006->) **RENAULT** ESPACE 2.0 DCI (2006->), GRAND SCENIC 2.0 DCI (2005->), LAGUNA 2.0 DCI (2005-2015), LAGUNA 2.0 DCI (2007-2015), LAGUNA 2.0 DCI GRANDTOUR (2006-2015), LAGUNA 2.0 DCI GT (2008-2015), LAGUNA 2.0 DCI GT GRANDTOUR (2008-2015), LAGUNA 3.0 DCI (2008-2015), LAGUNA 3.0 DCI GRANDTOUR (2008-2015), LATITUDE 2.0 DCI 150 (2011->), LATITUDE 2.0 DCI 175 (2011->), MASTER 2.3 DCI 100 FWD (2010->), MASTER 2.3 DCI 125 RWD (2010->), MASTER 2.3 DCI 145 FWD (2010->), MEGANE 2.0 DCI (2005-2009), MEGANE 2.0 DCI GRANDTOUR (2009->), MEGANE CC 2.0 DCI (2010->), SCENIC 2.0 DCI (2005->), TRAFIC 2.0 DCI 115 (2006->), TRAFIC 2.0 DCI 90 (2006->), VEL SATIS 2.0 DCI (2005->) **TOYOTA** AVENSIS 2.0 D (2009->), AVENSIS 2.0 D-4D (2011->), AVENSIS 2.2 D (2009->), VERSO 2.0 D-4D (2009->), VERSO 2.2 D-4D (2009->), VERSO 2.2 D-CAT (2009->) **VAUXHALL** MOVANO MK II 2.3 CDTI RWD (2010->), VIVARO 2.0 CDTI (2006-2014) **VOLVO** C30 1.6 D2 (2011-2013), C30 2.0 D (2006-2012), S40 1.6 D2 (2011-2012), S40 2.0 D (2004-2010), S60 1.6 D2 (2011->), S80 1.6 D2 (2011->), S80 1.6D DRIVE (2010->), V40 1.6 D2 (2012->), V50 1.6 D2 (2011-2012), V50 2.0 CDI (2003-2006), V50 2.0 D (2004-2010), V70 1.6 D (2010-2011), V70 1.6 D2 (2011->), XC40 1.6 D (2015->) **REPARO DA PLANETÁRIA: RP-0115**

SULCARBON

REPAROS DE PLANETÁRIAS

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0003	BOSCH - WAPSA			

Nº MOTOR DE PARTIDA
0001109300, 0001109301

APLICAÇÕES

CITROEN JUMPER 2.8 4X4 **FIAT** DUCATO 2.3 JTD, DUCATO 2.8 DIESEL, DUCATO 2.8 DIESEL 4X4, DUCATO 2.8 JTD, DUCATO 2.8 JTD 4X4 **PEUGEOT** BOXER 2.8 HDI, BOXER 2.8 HDI 4X4

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0004	BOSCH - WAPSA			

Nº MOTOR DE PARTIDA
0001107045, 0001107017, 0001107018, 0001107044, 90512189, 90518627

APLICAÇÕES

CHEVROLET-GM ASTRA, ASTRA SEDAN 2.0I 16V, VECTRA2.0 16V, ZAFIRA 2.0 SFI 16V **OPEL** ASTRA2.0I, CALIBRA 2.0I 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0055	BOSCH - WAPSA	DW	1006200058, 1006200087, 1006200103, 1006200145	

Nº MOTOR DE PARTIDA
0001107037, 0001107048, 0001108157, 0001108169

APLICAÇÕES

BMW 316I, 318I, 318IS, 320I, 323 CI, 323I, 325I, 328 CI, 328I, 328I BMW: 525I, 528I, M3, Z3 **CHEVROLET-GM** ASTRA 2.0I, ASTRA SEDAN 2.0I 16V, CALIBRA 2.0I 16V, VECTRA 2.0 16V, ZAFIRA 2.0 SFI 16V **FORD** COURIER 1.3I (97-99), FIESTA 1.0I, FIESTA 1.3I (96-99), KA 1.0I (97-99), KA 1.3I (97-99) **MERCEDES BENZ** CLASSE E 190 2.3, CLASSE E 230

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0056	BOSCH - WAPSA		1006200018, 1006200043, 1006200110, 1006200123, 1006200128, 5000AL1037, F000AL1015, F000AL1017	37

Nº MOTOR DE PARTIDA
0001107007, 0001107009, 0001107013, 0001107015, 0001107020, 0001108026, 0001108048, 0001108136, 0001108146, 0001108154, 0001108159, 0001109040, 9000081001, 9000081005, 9000081006, 9000081007, 9000081008, F000AL0100, F000AL0110, F000AL0128, F005M00012, F005M00014

APLICAÇÕES

ALFA ROMEO 145 1.6 (1994-1996), 145 1.7 16V (1994-1996), 146 1.6 (1995-1996), 146 1.7 16V (1994-1996), 33 1.2 (1983-1989), 33 1.3 I.E. (1991-1994), 33 1.5 (1990-1993), 33 1.7 I.E. 16V (1990-1994), 33 1.8 TD (1990-1994), ALFASUD GIARDINETTA 1.3 (1978-1979), ALFASUD SPRINT 1.3 (1976-1981), ALFASUD SPRINT 1.4 (1978-1989), ALFASUD SPRINT 1.5 VELOCE (1980-1987), ALFASUD SPRINT 1.7 (1987-1989), ARNA 1.2 (1985-1986), ARNA 1.3 TI (1983-1986), ARNA 1.5 **AUDI** 100 2.0 (1991-1994), 100 2.0 16V (1992-1994), 80 1.6 (1990-1991), 80 1.6 E (1994-1996), 80 2.0 (1991-1996), 80 2.0 16V (1992-1996), 80 2.0 QUATTRO (1991-1994), A4 1.6 (1994-2004), A4 1.8 (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 TURBO (1994-2004), A4 2.0 (2000-2004), A4 2.0 FSI (2001-2004), A6 1.8 (1994-2001), A6 1.8 QUATTRO (1995-1997), A6 1.8 TURBO (1997-2001), A6 1.8 TURBO QUATTRO (1997-2005), A6 2.0 (1994-2004), A6 2.0 16V (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), CABRIOLET 2.0 16V (1995-1996), COUPE 2.0 (1989-1995), COUPE 2.0 16V (1992-1992) **CHEVROLET** ESPERO 1.8 (1995->), ESPERO 2.0 (1991-1994), EVANDA 2.0 (2002->), LACETTI 1.8 (2004->), LEGANZA 2.0 16V (1997-2002), LEGANZA 2.2 16V (1999-2002), NUBIRA 1.8 (2005->), NUBIRA 2.0 16V (1997->), REZZO 2.0 (2005->), TACUMA 2.0 (2000->) **CLAAS** 1013 (1976-1986), JAGUAR 60SF 5.7 (1974-1976), MBB: 900 3.8 (1981-1987), MERCATOR 50 3.8 (1973-1976) **NEW HOLLAND** FNH8040, FNH8055, FNH8255, LOMBARDINI, RUGGERINI **OPEL** ASTRA F 1.6 (1995-1998), ASTRA F 1.8 I (1993-1998), ASTRA F 2.0 GSI 16V (1995-1998), ASTRA G 2.0 (1997-2005), ASTRA G 2.0 TURBO 16V (2000-2005), ASTRA H 2.0 TURBO (2004->), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1994-1997), CALIBRA A 2.0 I 16V (1995-1997), CALIBRA A 2.0 I 4X4 (1990-1997), CALIBRA A 2.0 I TURBO 4X4 (1995-1997), FRONTERA A 2.0 I SPORT (1992-1998), FRONTERA A 2.2 I (1995-1998), FRONTERA B 2.2 I (1998-2004), KADETT E 1.8 I (1985-1991), OMEGA A 1.8 (1986-1987), OMEGA A 1.8 (1986-1994), OMEGA A 2.0 I (1986-2000), OMEGA B 2.0 I 16V (1993-1999), OMEGA B 2.2 I 16V (1999-2003), SINTRA 2.2 I 16V (1996-1999), SPEEDSTER 2.0 TURBO (2003->), VECTRA A 1.8 I (1988-1995), VECTRA A 2.0 I (1988-1995), VECTRA A 2.0 I 16V (1994-1995), VECTRA B 1.6 I (1995-2002), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I (1995-2002), ZAFIRA A 2.0 (2001-2005), ZAFIRA A 2.0 OPC (2001-2005), ZAFIRA B 2.0 (2005->) **SAAB** 9-3 2.0 TURBO (1999-2003), 9-5 2.3 TURBO (2001->) **SKODA** SUPERB 1.8 TURBO 20V (2001-2004), SUPERB 2.0 (2001-2004) **VAUXHALL** ASTRA 2.0 TURBO (2002->), ASTRA 2.0 TURBO SRI (2002->), ASTRA D 1.6 S (1982-1986), ASTRA F 1.8 16V (1994-2001), ASTRA F 1.8 I (1991-2001), ASTRA F 2.0 I (1991-1998), ASTRA F 2.0 I 16V (1995-1998), ASTRA G 2.0 16V (1997-2005), ASTRA MK II 2.0 I (1987-1993), ASTRA MK III 1.8 I 16V (1994-1996), ASTRA MK III 2.0 I 16V (1994-1998), ASTRA MK IV 2.0 TURBO 16V (2000-2005), ASTRA MK V 2.0 TURBO (2004->), BELMONT 1.8 (1986-1993), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1990-1997), CARLTON 1.8 (1986-1994), CARLTON 2.0 (1986-1994), CAVALIER 2.0 I (1986-1988), CAVALIER 2.0 I 16V (1993-1995), CAVALIER 2.0 I 4X4 (1988-1995), CAVALIER MK 2.0 I TURBO 4X4 (1992-1995), FRONTERA A 2.0 I 4X4 SPORT (1992-1998), FRONTERA A 2.2 I 4X4 LONG (1995-1998), FRONTERA B 2.2 I (1995->), OMEGA 2.0 (1993-2000), OMEGA 2.0 16V (1993-1999), OMEGA 2.2 I 16V (1999-2004), SINTRA 2.2 I 16V (1996-1999), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I 16V (1995-2000), VECTRA B 2.2 I (1999-2001), VX 2.0 I TURBO 220 (2003->), ZAFIRA 2.0 TURBO 16V (2001->) **VW** PASSAT 1.6 (1996-2003), PASSAT 1.8 (1996-2000), PASSAT 1.8 SYNCRO 4-MOTION (1996-2000), PASSAT 1.8 TURBO (1997-2003), PASSAT 1.8 TURBO 20V (2000-2003), PASSAT 2.0 (2000-2003), PASSAT 2.0 4-MOTION (2000-2003)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0057	BOSCH - WAPSA	DW	1005821307	37

Nº MOTOR DE PARTIDA

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APLICAÇÕES

ALFA 156 BERLINA, 166 /SPIDER, ALFA 164, SPORT WAGON **ALFA ROMEO** 164 2.5, 166 3.0, 3.0 TD, ALFA 156 2.5 24V, SPIDER 3.0 V6 12V, V6 12/24V, V6 24V **AUDI** 100 1.6, 200 2.2 TURBO **CHEVROLET-GM** OMEGA 3.0I / 4.1I, SUPREMA 3.0I/4.1I / C20 **CHRYSLER** GRAND CARAVAN 3.0I LE **FIAT** TEMPRA 2.0IE, TIPO 1.8/2.0/IE/16V **JEEP** CHEROKE 2.5I **LAND ROVER** DEFENDER DISCOVERY, RANGE ROVER I/II **OPEL** EVOLUT 500/3.6, OMEGA 2.4I/2.6I/3.0I **VOLKSWAGEN** GOLF 1.8, PASSAT (IMP.) 2.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0058	BOSCH - WAPSA	DW	1006200121, 1006200153, 1006200161, 1006200206	36

Nº MOTOR DE PARTIDA

0001106012, 0001106017, 0001106022, 0001106023, 0001107056, 0001107075, 0001107079, 0001107088, 0001107100, 0001107101, 0001107108, 0051511101, 0051514701, 248100D100, 2810002080, 281000D100, 2810016230, 7700115294, A0051511101, A0051514701, F000AL0101, F000AL0104, F000AL0106, F000AL0118, F000AL0121, F000AL0127, F000AL0158

APLICAÇÕES

CHEVROLET - GM VECTRA 2.0 / 2.2 16V **CITROEN** XSARA PICASSO 2.0 - 16V **DIVERSAS** ALFA ROMEO, AUDI, LANCIA, OPEL, PEUGEOT, SEAT, VAUXHALL, VOLKSWAGEN, VOLVO **FIAT** TIPO 1.6I.E **RENAULT** CLIO 2.0, ESPACE, KANGOO, LAGUNA 2.0 I 16V, MEGANE 1.8 / 2.0, SENIC 1.8 / 2.0, TWINGO **TOYOTA** COROLLA 1.8I 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0060	BOSCH - WAPSA	DW	23371F4029	36

Nº MOTOR DE PARTIDA

9008046015

APLICAÇÕES

GM BLAZER 2.8, S10 2.8 DIESEL (2012) **NISSAN** VIVARO 2.0 **RENAULT** MASTER LLL 2.3 DCI (2013), TRAFIC **VOLKSWAGEN** AMAROK 2.0 BI TURBO, AMAROK 2.0 TDI 122 CV, AMAROK TDI 180 CV

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0061	BOSCH - WAPSA		1006200059, 1006200098	

Nº MOTOR DE PARTIDA

0001107403, 0001108115, 0001108123, 0001108124, 0001108134, 0001108160, 0001108995

APLICAÇÕES

BMW 316 1.6 G (1995-1997), 316 1.6 I (1988-1997), 318I 4 CYL. 1.8L 1796CC (1991-1995), 318IS 4 CYL. 1.8L 1796CC 1991-1995, 318TI 4 CYL. 1.8L 1796CC (1995), 320I 6 CYL. 2.0L 1990CC 121CID (1992-1995), 325I 6 CYL. 2.5L 2494CC 152CID (1992-1995), 325IS 6 CYL. 2.5L 2494CC 152CID (1992-1995), 328I 6 CYL. 2.8L 2793CC (1996), 525I 6 CYL. 2.5L 2494CC 152CID (1991-1995), 525IT 6 CYL. 2.5L 2494CC 152CID (1993), M3 6 CYL. 3.0L 2990CC (1994-1995) **CHRYSLER** DAYTONA 2.5I TURBO GS, DODGE DAKOTA 2.5 D ; CHRYSLER: GRAND CARAVAN 2.5, GRAND VOYAGER III 2.4, GRAND VOYAGER IV 3.3 V6, LEBARON 2.2I, LEBARON 2.2I TURBO, LEBARON 2.5I, LEBARON 2.5I TURBO, LEBARON 3.3I, LEBARON 3.8I AWD, VOYAGER, VOYAGER II 3.3 V6, VOYAGER III 2.4 AWD, VOYAGER III 2.4I GS **DODGE** CARAVAN III 2.4, CARAVAN III 3.3, CARAVAN III 3.8 AWD **MERCEDES-BENZ** 124 - 230 E, 124-200E, C 180, C 200, C 220, C 230, CLK 230 K.P, E 190 2.3, E 230, ML 230, SLK 230 K.R, TMODELL

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0075	BOSCH - WAPSA	DB,DW,LT,R78-M55	1006200096, 1006200099, 1006200122, 1006200143, 1006200218, 1006200220, 1006200342, F000AL1974	

Nº MOTOR DE PARTIDA

0001109014, 0001109018, 0001109026, 0001109036, 0001109048, 0001109204, 0001109264, 0001109268, 0001109269, 0001109270, 0001109300, 0001109301, 0001109340, 0001109341, 0001110112, 0001123001, 0001124015, 0001125025, 0001125042, 0986022470, F000AL0111, F000AL0130, F000AL0150, F000AL0152, F002G20524, F004A94008, F004A94011

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ALFA ROMEO 145 1.9 JTD (1999-2001), 147 1.9 JTD (2000-2002), 147 1.9 JTD 16V (2005->), 147 1.9 JTDM (2008->), 147 1.9 JTDM 16V (2005->), 156 1.9 JTD (1997-2006), 159 1.9 JTDM 16V (2005->), 166 2.4 (2003->), 166 2.4 JTD (2000->), ALFA 146 1.9 JTD (1999-2001), BRERA 2.4 JTDM 20V (2006->), GT 1.9 JTD (2003->), MITO 1.6 (2008->), SPIDER 2.4 JTDM (2007->) **BMW** 324 2.4 TD (1987-1993), 325 2.5 TD (1991-1999), 330 3.0 DIESEL (2003->), 330 3.0 XD 4X4 (2003->), 524 2.4 DIESEL (1986-1987), 524 2.4 TD (1983-1995), 525 2.5 DIESEL (2000-2004), 525 2.5 TD (1993-2000), 525 2.5 TDS (1991-2000), 530 3.0 DIESEL (2003->), 535 3.0 DIESEL (2004->), 725 2.5 TDS (1996-2000), 730 3.0 DIESEL (2002->), X3 3.0 DIESEL (2004->), X5 3.0 DIESEL (2003->) **CHEVROLET** KORANDO 3.2 (1999->) **CITROEN** BERLINGO 1.8/1.9 DIESEL (1996->), BERLINGO 2.0 HDI (1999->), BX 1.9 DIESEL (1987-1992), BX16 1.6 (1988-1993), BX17 1.8 DIESEL (1985-1993), BX19 1.8 TURBO TRD (1988-1993), BX19 1.9 4X4 (1989-1993), BX19 1.9 DIESEL (1983-1993), C15 1.8 DIESEL (1986-2000), C15 1.9 DIESEL (2000-2005), C25 1.9 DIESEL (1987-1994), C25 2.5 DIESEL 4X4 (1987-1994), C4 2.0 16V (2004->), C4 2.0 HDI (2004->), C4 2.0 HDI PICASSO 165 (2010->), C5 2.0 HDI (2001-2004), C5 2.2 HDI (2001-2006), C5 3.0 V6 (2001-2005), C8 2.0 HDI (2002->), C8 2.2 HDI (2002->), C8 3.0 V6 (2002->), DS4 2.0 HDI 160 (2011->), EVASION 1.9 TD (1994-2002), EVASION 2.0 HDI (1999-2002), EVASION 2.1 TD (1996-2002), JUMPER 1.9 DIESEL (1994-2002), JUMPER 1.9 TD (1994-2002), JUMPER 1.9 TD 4X4 (1996-2002), JUMPER 2.0 HDI (2001-2002), JUMPER 2.2 HDI (2002->), JUMPER 2.8 4X4, JUMPY 1.9 DIESEL (1995-1998), JUMPY 1.9 TD (1995->), JUMPY 2.0 HDI (1999-2006), JUMPY 2.0 HDI 125/95 (2011->), VISA 1.7 DIESEL (1984-1991), XANTIA 1.9 DIESEL (1994-2003), XANTIA 1.9 TD (1994-2003), XANTIA 2.0 HDI (1999-2003), XANTIA 2.1 TD 12V (1995-1999), XM 2.1 DIESEL (1989-1996), XM 2.1 TD 12V (1989-2000), XM 2.1 TD 12V (1994-2000), XSARA 1.8 DIESEL (1997-2000), XSARA 1.8 TD (1997-2000), XSARA 1.9 DIESEL (1997-2005), XSARA 1.9 TD (1997-2000), XSARA 2.0 HDI (1999-2005), ZX 1.8 DIESEL (1993-1997), ZX 1.9 TD (1992-1997) **CITROËN** JUMPER 2.8 HDI **FIAT** 500 2.6 (1971-1980), 540 2.6 (1971-1980), 850 S 4.9 (1972-1974), 980 5.2 (1979-1984), BRAVA 1.9 JTD (1998-2001), BRAVA 1.9 TD (1996-2001), BRAVO 1.6 MULTIJET (2008->), BRAVO 1.9 DIESEL MULTIJET (2007->), BRAVO 1.9 JTD (1998-2001), BRAVO 1.9 TD (1996-2001), CROMA 1.9 DIESEL MULTIJET (2005->), DOBLO 1.9 DIESEL (2001->), DOBLO 1.9 JTD (2001-2005), DUCATO 1.9 DIESEL (1998-2002), DUCATO 2.0 (1994-1995), DUCATO 2.0 JTD (2002->), DUCATO 2.8 DIESEL, DUCATO 2.8 JTD, DUCATO 2.8 JTD 4X4, DUCESEL 4X4, FIORINO 1.7 TD (1999-2001), GRANDE PUNTO 1.9 DIESEL MULTIJET (2005->), LINEA 1.6 MULTIJET (2009->), MAREA 1.9 JTD (1999-2001), MAREA 1.9 TD/TDI (1996->), MARENGO 1.9 JTD (1999-2002), MARENGO 1.9 TD (1997-2002), MULTIPLA 1.9 JTD (1999->), PALIO 1.7 TD (1996-2001), PALIO 1.9 DIESEL (2000-2001), PUNTO 1.7 DIESEL (1993-1999), PUNTO 1.7 TD (1994-1999), PUNTO 1.9 DIESEL (1999->), PUNTO 1.9 JTD (1999-2003), SCUDO 1.9 DIESEL (1996-2006), SCUDO 1.9 TD (1996-2006), SCUDO 2.0 JTD (1999-2006), STILO 1.9 DIESEL (2004->), STILO 1.9 DIESEL MULTIJET (2005->), STILO 1.9 JTD (2001->), STRADA 1.9 DIESEL (2000-2003), STRADA 1.9 JTD (2003->), ULYSSE 1.9 TD (1995-2002), ULYSSE 2.0 (1994-2002), ULYSSE 2.0 JTD (1999-2003), ULYSSE 2.0 TURBO (1994-2002), ULYSSE 2.1 TD (1996-1999), ULYSSE 2.2 JTD (2002->) **FORD** CARGO 11T, CARGO 13T, CARGO 15T, CARGO 24T, CARGO 26T, CARGO 8T, CARGO C 12T, CARGO C 13T, CARGO C 14T, CARGO C 15T, CARGO C 16T, CARGO C 17T, CARGO C 24T, CARGO C 7T, CARGO C 8T, CARGO C 9T, C-MAX 1.8 TDCI (2007->), F-250, FOCUS 1.8 TDCI (2005-2008), GALAXY 1.8 TDCI (2006->), MONDEO 1.8 TDCI (2007->), S-MAX 1.8 TDCI (2006->) **HYUNDAI** LANTRA 1.9 DIESEL (1998-2000) **IAT** DUCATO 2.8 DIESEL **LANCIA** DELTA 2.0 MULTIJET (2008->), KAPPA 2.4 JTD (1998-2001), LYBRA 1.9 JTD (1999-2001), LYBRA 2.4 JTD (1999-2002), PHEDRA 2.0/2.2 JTD (2002->), THESIS 2.4 JTD (2002->), ZETA 2.0 JTD (1999-2002), ZETA 2.0 TURBO (1999-2002), ZETA 2.1 TD (1996-1999) **LAND ROVER** RANGE ROVER 2.5 DIESEL (1994-2002) **LDV** MAXUS 2.5 CDI (2005->) **LOMBARDINI** LDW 1503M, LDW 2004M, LDW 2004TBI (1996->) **LTI** TX4 2.5 D (2006->) **MAYBACH** MAYBACH 5.5 (2002->) **MERCEDES BENZ** 190 E 2.6 (1986-1993), 208 2.1 CDI (2000-2006), 211 2.1 CDI (2000-2006), 213 2.1 CDI (2000-2006), 216 2.7 CDI (2000-2006), 260 E 2.6 (1985-1992), 260 E 2.6 4-MATIC (1986-1992), 260 SE 2.5 (1985-1991), 280 E 2.8 (1992-1993), 280 TE 2.8 (1992-1993), 300 CE-24

3.0 (1989-1992), 300 E 2.9 (1985), 300 E 3.0 (1985-1992), 300 E 3.0 4-MATIC (1986-1993), 300 E-24 3.0 (1988-1992), 300 SE 2.9 (1986-1991), 300 SE 3.2 (1991-1993), 300 SEL 2.9 (1986-1991), 300 SEL 3.2 (1991-1998), 300 SL 2.9 (1985-1989), 300 SL 3.0 (1989-1993), 308 2.1 CDI (2000-2006), 311 2.1 CDI (2000-2006), 313 2.1 CDI (2000-2006), 316 2.7 CDI (2000-2006), 320 CE/E 3.2 (1992-1993), 512 2.9 (1996->), 600 SE 6.0 (1991-1998), 612 2.9 (1996->), 812 2.9 (1996->), C 200 2.0 CDI (1998-2000), C 200 2.0 D (1993-2001), C 200 2.1 CDI (2000->), C 200 2.2 CDI (1998-2001), C 220 2.1 CDI (2000->), C 220 2.1 CDI (2000-2008), C 220 2.1 CDI (2001-2008), C 220 2.2 CDI (1997-2001), C 220 2.2 D (1993-2001), C 250 2.5 D (1993-2000), C 250 2.5 TD (1995-2001), C 270 2.7 CDI (2000->), C 270 2.8 CDI (2000-2007), C 280 2.8 (1993-1997), C 30 AMG 3.0 CDI (2002-2008), C 36 AMG 3.6 (1994-1997), C 36 AMG 3.6 (1994-2000), CLK 220 2.1 CDI (2005->), CLK 220 2.1 CDI (2005-2009), CLK 270 2.7 CDI (2002->), E 200 2.0 D (1996-2002), E 200 2.1 CDI

(1999-2002), E 200 2.2 CDI (1998-2002), E 270 2.7 CDI (1999-2002), E 270 2.7 CDI (2002-2008), E 270 T 2.7 CDI (2003-2009), E 280 2.8 (1993-1996), E 280 3.0 (1993-1995), E 280 E 2.8 (1996-1997), E 300 3.0 4-MATIC (1993-1995), E 300 CE 3.0 (1987-1993), E 320 3.2 (1993-1998), E 320 3.2 CDI (1999-2002), E 36 AMG 3.6 (1993-1994), G 320 3.2 (1994-1997), ML 270 2.7 CDI (1999-2005), S 280 2.8 (1993-1998), S 320 3.2 CDI (1999-2002), SL 280 2.3 (1993-1998), SL 320 3.2 (1993-1998), SL 600 6.9 (1992-2001), SPRINTER 208 2.1 CDI (2000-2006), SPRINTER 208 2.3 D (1995-2000), SPRINTER 210 2.9 D (1997-2000), SPRINTER 211 2.1 CDI (2000-2006), SPRINTER 212 2.9 D (1995-2000), SPRINTER 213 2.1 CDI (2000-2006), SPRINTER 216 2.7 CDI (2000-2006), SPRINTER 308 2.1 CDI (2000-2006), SPRINTER 308 2.3 D (1995-2000), SPRINTER 310 2.9 D (1995-2000), SPRINTER 310 2.9 D 4X4 (1997-2002), SPRINTER 311 2.1 CDI (2000-2006), SPRINTER 311 2.1 CDI 4X4 (2002-2006), SPRINTER 312 2.9 D (1995-2001), SPRINTER 312 2.9 D 4X4 (1997-2002), SPRINTER 313 2.1 CDI (2000-2006), SPRINTER 313 2.1 CDI 4X4 (2002-2006), SPRINTER 313 2.2 CDI (2000-2006), SPRINTER 315 2.1 CDI 4X4 (2008->), SPRINTER 408 2.1 CDI (2000-2006),

SPRINTER 408 2.3 D (1996-2006), SPRINTER 410 2.9 D (1996-2006), SPRINTER 411 2.1 CDI (2000-2006), SPRINTER 412 2.9 D (1996-2006), SPRINTER 413 2.1 CDI (2000-2006), SPRINTER 415 2.1 CDI (2006->), SPRINTER 416 2.7 CDI (2000-2006), SPRINTER 515 CDI, SPRINTER 616 2.7 CDI (2001-2006), U 100 2.9 (1996->), U 90 2.9 (1996->), V 200 2.2 CDI (1999-2003), V 230 2.3 TD (1996-2003), V 230 2.3 TD (1999-2003), VIANO 2.1 CDI 4-MATIC (2005->), VIANO 2.2 CDI (2003->), VITO 108 2.2 CDI (1999-2003), VITO 108 2.3 D (1995-1997), VITO 108 2.3 D (1996-2003), VITO 109 2.1 CDI (2003->), VITO 110 2.2 CDI (1999-2003), VITO 110 2.3 D (1996-2003), VITO 110 2.3 TD (1995-1997), VITO 111 2.2 CDI (2003->), VITO 112 2.2 CDI (1999-2003), VITO 115 2.2 CDI (2003->), VITO 2.1 CDI (2006->), VITO 2.2 CDI (2007->) **OPEL** FRONTERA A 2.5 TDS (1996-1998), OMEGA B 2.5 DTI (2001-2003), OMEGA B 2.5 TD (1996-2000) **PEUGEOT** 205 1.7 DIESEL (1994->), 205 1.8 DIESEL (1983-1998), 206 1.9 DIESEL (1998-2001), 206 2.0 HDI (1999->), 305 1.9 DIESEL (1982-1988), 306 1.8 (1993-2001), 306 1.8 DIESEL (1993-2001), 306 1.9 DIESEL (1993-2002), 306 1.9 TD (1993-2002), 306 2.0 HDI (1999-2002), 307 2.0 16V (2005->), 307 2.0 HDI (2000->), 307 2.0 HDI FAP (2003->), 309 1.8 DIESEL (1989-1993), 309 1.8 TD (1989-1993), 309 1.9 DIESEL (1986-1993), 405 1.8 DIESEL 4X4 (1987-1992), 405 1.8 TD (1988-1992), 405 1.9 DIESEL (1988-

1995), 405 1.9 TD (1992-1996), 406 1.9 DIESEL (1996-2004), 406 1.9 TD (1996-2004), 406 2.0 HDI (1998-2004), 406 2.0 HDI FAP (2001-2004), 406 2.1 TD 12V (1996-2004), 406 2.2 HDI (2000-2004), 407 2.0 (2004->), 407 2.0 16V (2005->), 407 2.0 BIOFLEX (2007->), 407 2.0 HDI FAP (2004->), 407 2.2 16V (2005->), 508SW 2.0 HDI HYBRID (2011->), 605 2.1 DIESEL (1989-1995), 605 2.1 TD (1989-1999), 607 2.0 HDI (2000-2004), 607 2.2 16V (2005->), 607 2.2 HDI (2000->), 806 1.9 TD (1995-2002), 806 2.0 HDI (1999-2002), 806 2.0 TURBO (1994-2002), 806 2.1 TD (1996-2002), 807 2.0 HDI (2002->), 807 2.2 HDI FAP (2002->), BOXER 1.9 DIESEL (1994-2002), BOXER 2.0 HDI (2001-2004), BOXER 2.2 HDI (2002->), BOXER 2.5 DIESEL (1994-2002), BOXER 2.5 TD (1994-2002), BOXER 2.8 HDI, BOXER 2.8 HDI 4X4, EXPERT 1.9 DIESEL (1996->), EXPERT 1.9 TD (1996->), EXPERT 2.0 HDI (2000->), J5 1.9 DIESEL (1990-1994), PARTNER 1.8 DIESEL (1996->), PARTNER 1.9 DIESEL (1996-1998), PARTNER 1.9 DIESEL 4X4 (2004->), PARTNER 2.0 HDI (2000->), PARTNER 2.0 HDI 4X4 (2004->) **PORSCHE** 911 CARRERA, 911 CARRERA 3.6, 912, 996, 997, BOXSTER (96->04) 2.5, BOXSTER 2.7, BOXSTER 3.2, CAYENNE 2002, GT3 **RUGGERRINI** MD 300 1.4 (1997-1999) **SEAT** ALHAMBRA, CORDOBA 1.9 TDI (97->01) **SSANGYONG** ACTYON 2.0 XDI (2005->), REXTON 2.9 TD (2002->), RODION 2.7 XDI (2005->), STAVIC 270 2.7 SXDI (2005->) **SUZUKI** SX4 1.9 DDIS (2006->), VITARA 1.9 DIESEL (1995-1999) **TALBOT** EXPRESS 1.9 DIESEL (1987-1990), HORIZON 1.9 DIESEL (1982-1986), SOLARA 1.6 (1981-1986) **TOYOTA** AVENSIS D4D, AVENSIS VERSO D4D, COROLLA D4D, COROLLA VERSOD4D, HILUX, HILUX D4D, LANDCRUISER D4D, PREVIA D4D, RAV4 D4D, SW4 D4D 2.5 / 2.8 / 3.0 DIESEL (2006), YARIS D4D, YARIS VERSO D4D **VOLKSWAGEN** 2705 2.1D (1995->), 2752 2.1D (1998->), 3221 2.1D (1996->), 3302 2.1D (1994->), 33023 2.1D (1996->), GAZ: 2217 2.1D (1998->), GOLF 1.9 TDI (97->01), MD301 1.3 (1997-1999), MD350 1.6 (1997-1999), MD351 1.6 (1997-1999), MOTORES DIESEL, RP170 (1989-1997), RP178 (1990-1997), RP360 (1991-1997), RP368 (1990-1997), RP380 (1990-1997) **VOLVO** C30 2.4 D5 (2006-2012), C70 2.4 (2007-2013), C70 2.4 D5 (2006-2013), S40 2.4 (2006-2010), S40 2.4 CDI (2007-2010), S60 2.4 (2001-2015), S60 2.4 CDI (2003-2005), S60 2.4 D5 AWD (2014-2015), S80 2.0 (2012->), S80 2.0 D3 (2010->), S80 2.4 (2006->), S80 2.4 D5 (2001-2010), S80 2.4 D5 AWD (2010->), V50 2.4 (2006-2010), V60 2.4 D4 AWD (2015->), V70 2.0 (2007-2015), V70 2.0 D3 DRIVE (2013->), V70 2.0 D5 AWD (2010-2015), V70 2.4 (2009-2010), V70 2.4 4X4 (2007-2015), V70 2.4 AWD (2013->), V70 2.4 D4 AWD (2013->), V70 2.4 D5 (2001-2015), V70 2.4 D5 AWD (2011-2015), XC60 2.0 (2012-2015), XC60 2.4 (2008-2017), XC60 2.4 AWD (2013-2015), XC60 2.4 D4 AWD (2015-2017), XC60 2.4 D5 AWD (2009-2015), XC60 2.4 DRIVE (2009-2010), XC70 2.0 (2010-2015), XC70 2.4 AWD (2007->), XC70 2.4 D5 AWD (2011-2015), XC90 2.4 (2002-2006), XC90 2.4 D5 (2011-2014), XC90 2.4 D5 AWD (2007-2010)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0076	BOSCH - WAPSA		1006200099, 1006200143, 1006200154	38

Nº MOTOR DE PARTIDA

0001109014, 0001109018, 0001109026, 0001109036, 0001109048, 0001109204, 0001109264, 0001109267, 0001109268, 0001109269, 0001109270, 0001109340, 0001109341, 0001110112, 0001123001, 0001124015, 0001125025, 0986022470, F002G20524

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ALFA ROMEO 145 1.9 JTD (1999-2001), 147 1.9 JTD (2000-2002), 147 1.9 JTD 16V (2005->), 147 1.9 JTDM (2008->), 147 1.9 JTDM 16V (2005->), 156 1.9 JTD (1997-2006), 159 1.9 JTDM 16V (2005->), 166 2.4 (2003->), 166 2.4 JTD (2000->), ALFA 146 1.9 JTD (1999-2001), BRERA 2.4 JTDM 20V (2006->), GT 1.9 JTD (2003->), MITO 1.6 (2008->), SPIDER 2.4 JTDM (2007->) **BMW** 324 2.4 TD (1987-1993), 325 2.5 TD (1991-1999), 330 3.0 DIESEL (2003->), 330 3.0 XD 4X4 (2003->), 524 2.4 DIESEL (1986-1987), 524 2.4 TD (1983-1995), 525 2.5 DIESEL (2000-2004), 525 2.5 TD (1993-2000), 525 2.5 TDS (1991-2000), 530 3.0 DIESEL (2003->), 535 3.0 DIESEL (2004->), 725 2.5 TDS (1996-2000), 730 3.0 DIESEL (2002->), X3 3.0 DIESEL (2004->), X5 3.0 DIESEL (2003->) **CHEVROLET** KORANDO 3.2 (1999->) **CITROEN** BERLINGO 1.8/1.9 DIESEL (1996->), BERLINGO 2.0 HDI (1999->), BX 1.9 DIESEL (1987-1992), BX16 1.6 (1988-1993), BX17 1.8 DIESEL (1985-1993), BX19 1.8 TURBO TRD (1988-1993), BX19 1.9 4X4 (1989-1993), BX19 1.9 DIESEL (1983-1993), C15 1.8 DIESEL (1986-2000), C15 1.9 DIESEL (2000-2005), C25 1.9 DIESEL (1987-1994), C25 2.5 DIESEL 4X4 (1987-1994), C4 2.0 16V (2004->), C4 2.0 HDI (2004->), C4 2.0 HDI PICASSO 165 (2010->), C5 2.0 HDI (2001-2004), C5 2.2 HDI (2001-2006), C5 3.0 V6 (2001-2005), C8 2.0 HDI (2002->), C8 2.2 HDI (2002->), C8 3.0 V6 (2002->), DS4 2.0 HDI 160 (2011->), EVASION 1.9 TD (1994-2002), EVASION 2.0 HDI (1999-2002), EVASION 2.1 TD (1996-2002), JUMPER 1.9 DIESEL (1994-2002), JUMPER 1.9 TD (1994-2002), JUMPER 1.9 TD 4X4 (1996-2002), JUMPER 2.0 HDI (2001-2002), JUMPER 2.2 HDI (2002->), JUMPY 1.9 DIESEL (1995-1998), JUMPY 1.9 TD (1995->), JUMPY 2.0 HDI (1999-2006), JUMPY 2.0 HDI 125/95 (2011->), VISA 1.7 DIESEL (1984-1991), XANTIA 1.9 DIESEL (1994-2003), XANTIA 1.9 TD (1994-2003), XANTIA 2.0 HDI (1999-2003), XANTIA 2.1 TD 12V (1995-1999), XM 2.1 DIESEL (1989-1996), XM 2.1 TD 12V (1989-2000), XM 2.1 TD 12V (1994-2000), XSARA 1.8 DIESEL (1997-2000), XSARA 1.8 TD (1997-2000), XSARA 1.9 DIESEL (1997-2005), XSARA 1.9 TD (1997-2000), XSARA 2.0 HDI (1999-2005), ZX 1.8 DIESEL (1993-1997), ZX 1.9 TD (1992-1997) **FIAT** 500 2.6 (1971-1980), 540 2.6 (1971-1980), 850 S 4.9 (1972-1974), 980 5.2 (1979-1984), BRAVA 1.9 JTD (1998-2001), BRAVA 1.9 TD (1996-2001), BRAVO 1.6 MULTIJET (2008->), BRAVO 1.9 DIESEL MULTIJET (2007->), BRAVO 1.9 JTD (1998-2001), BRAVO 1.9 TD (1996-2001), CROMA 1.9 DIESEL MULTIJET (2005->), DOBLO 1.9 DIESEL (2001->), DOBLO 1.9 JTD (2001-2005), DUCATO 1.9 DIESEL (1998-2002), DUCATO 1.9 TD (1998-2002), DUCATO 2.0 (1994-1995), DUCATO 2.0 JTD (2002->), FIORINO 1.7 TD (1999-2001), GRANDE PUNTO 1.9 DIESEL MULTIJET (2005->), LINEA 1.6 MULTIJET (2009->), MAREA 1.9 JTD (1999-2001),

MAREA 1.9 TD/TDI (1996->), MARENGO 1.9 JTD (1999-2002), MARENGO 1.9 TD (1997-2002), MULTIPLA 1.9 JTD (1999->), PALIO 1.7 TD (1996-2001), PALIO 1.9 DIESEL (2000-2001), PUNTO 1.7 DIESEL (1993-1999), PUNTO 1.7 TD (1994-1999), PUNTO 1.9 DIESEL (1999->), PUNTO 1.9 JTD (1999-2003), SCUDO 1.9 DIESEL (1996-2006), SCUDO 1.9 TD (1996-2006), SCUDO 2.0 JTD (1999-2006), STILO 1.9 DIESEL (2004->), STILO 1.9 DIESEL MULTIJET (2005->), STILO 1.9 JTD (2001->), STRADA 1.9 DIESEL (2000-2003), STRADA 1.9 JTD (2003->), ULYSSE 1.9 TD (1995-2002), ULYSSE 2.0 (1994-2002), ULYSSE 2.0 JTD (1999-2003), ULYSSE 2.0 TURBO (1994-2002), ULYSSE 2.1 TD (1996-1999), ULYSSE 2.2 JTD (2002->) **FORD** C-MAX 1.8 TDCI (2007->), FOCUS 1.8 TDCI (2005-2008), GALAXY 1.8 TDCI (2006->), MONDEO 1.8 TDCI (2007->), S-MAX 1.8 TDCI (2006->) **GAZ** 2217 2.1D (1998->), 2705 2.1D (1995->), 2752 2.1D (1998->), 3221 2.1D (1996->), 3302 2.1D (1994->), 33023 2.1D (1996->) **HYUNDAI** LANTRA 1.9 DIESEL (1998-2000) **LANCIA** DELTA 2.0 MULTIJET (2008->), KAPPA 2.4 JTD (1998-2001), LYBRA 1.9 JTD (1999-2001), LYBRA 2.4 JTD (1999-2002), PHEDRA 2.0/2.2 JTD (2002->), THESIS 2.4 JTD (2002->), ZETA 2.0 JTD (1999-2002), ZETA 2.0 TURBO (1999-2002), ZETA 2.1 TD (1996-1999) **LAND ROVER** RANGE ROVER 2.5 DIESEL (1994-2002) **LDV** MAXUS 2.5 CDI (2005->) **LOMBARDINI** LDW 1503M LDW 2004M, LDW 2004TBI (1996->) **LTI** TX4 2.5 D (2006->) **MAHINDRA** SCORPIO PICK-UP 2.6 CRDE, SCORPIO SUV 2.6 CRDE **MAYBACH** MAYBACH 5.5 (2002->) **MERCEDES-BENZ** 140-SERIE 300 SE, 190 E 2.6 (1986-1993), 208 2.1 CDI (2000-2006), 211 2.1 CDI (2000-2006), 213 2.1 CDI (2000-2006), 216 2.7 CDI (2000-2006), 260 E 2.6 (1985-1992), 260 E 2.6 4-MATIC (1986-1992), 260 SE 2.5 (1985-1991), 280 E 2.8 (1992-1993), 280 TE 2.8 (1992-1993), 300 CE-24 3.0 (1989-1992), 300 E 2.9 (1985), 300 E 3.0 (1985-1992), 300 E 3.0 4-MATIC (1986-1993), 300 E-24 3.0 (1988-1992), 300 SE 2.9 (1986-1991), 300 SE 3.2 (1991-1993), 300 SEL 2.9 (1986-1991), 300 SEL 3.2 (1991-1998), 300 SL 2.9 (1985-1989), 300 SL 3.0 (1989-1993), 308 2.1 CDI (2000-2006), 311 2.1 CDI (2000-2006), 313 2.1 CDI (2000-2006), 316 2.7 CDI (2000-2006), 320 CE/E 3.2 (1992-1993), 512 2.9 (1996->), 600 SE 6.0 (1991-1998), 612 2.9 (1996->), 812 2.9 (1996->), C 200 2.0 CDI (1998-2000), C 200 2.0 D (1993-2001), C 200 2.1 CDI (2000->), C 200 2.2 CDI (1998-2001), C 220 2.1 CDI (2000->), C 220 2.1 CDI (2000-2008), C 220 2.1 CDI (2001-2008), C 220 2.2 CDI (1997-2001), C 220 2.2 D (1993-2001), C 250 2.5 D (1993-2000), C 250 2.5 TD (1995-2001), C 270 2.7 CDI (2000->), C 270 2.8 CDI (2000-2007), C 280 2.8 (1993-1997), C 30 AMG 3.0 CDI (2002-2008), C 36 AMG 3.6 (1994-1997), C 36 AMG 3.6 (1994-2000), C-KLASSE [202] C 36 AMG / C 280, CLK 220 2.1 CDI (2005->), CLK 220 2.1 CDI (2005-2009), CLK 270 2.7 CDI (2002->), E 200 2.0 D (1996-2002), E 200 2.1 CDI (1999-2002), E 200 2.2 CDI (1998-2002), E 200 E 2.1 CDI (2002->), E 220 2.1 CDI (1999-2003), E 220 2.2 CDI (1998-2003), E 220 2.2 D (1995-1999), E 220 T 2.1 CDI (1999-2003), E 250 2.5 D (1995-1999), E 250 2.5 TD (1993-1999), E 270 2.7 CDI (1999-2002), E 270 2.7 CDI (2002-2008), E 270 T 2.7 CDI (1999-2003), E 270 T 2.7 CDI (2003-2009), E 280 2.8 (1993-1996), E 280 3.0 (1993-1995), E 280 3.2 CDI (2004->), E 280 E 2.8 (1996-1997), E 290 E 2.9 TD (1996-1999), E 300 3.0 4-MATIC (1993-1995), E 300 CE 3.0 (1987-1993), E 320 3.2 (1993-1998), E 320 3.2 (1995-1997), E 320 3.2 CDI (1999-2002), E 320 T 3.2 CDI (1999-2003), E 36 AMG 3.6 (1993-1994), E 36 AMG 3.6 (1994-1998), E-KLASSE [124] T-MODELL E 320 T / E 280 T, E-KLASSE [210] E 320, G 270 2.7 CDI (2001->), G 320 3.2 (1994-1997), G 36 AMG 3.6 (1995->), ML 270 2.7 CDI (1999-2005), O 812 2.9 (1996->), S 280 2.8 (1993-1998), S 320 3.2 CDI (1999-2002), S 320 3.2 CDI (1999-2005), SL 280 2.3 (1993-1998), SL 320 3.2 (1993-1998), SL 600 6.9 (1992-2001), SL-KLASSE [129] SL 320, SPRINTER 208 2.1 CDI (2000-2006), SPRINTER 208 2.3 D (1995-2000), SPRINTER 210 2.9 D (1997-2000), SPRINTER 211 2.1 CDI (2000-2006), SPRINTER 212 2.9 D (1995-2000), SPRINTER 213 2.1 CDI (2000-2006), SPRINTER 216 2.7 CDI (2000-2006), SPRINTER 308 2.1 CDI (2000-2006), SPRINTER 308 2.3 D (1995-2000), SPRINTER 310 2.9 D (1995-2000), SPRINTER 310 2.9 D 4X4 (1997-2002), SPRINTER 311 2.1 CDI (2000-2006), SPRINTER 311 2.1 CDI 4X4 (2002-2006), SPRINTER 312 2.9 D (1995-2001), SPRINTER 312 2.9 D 4X4 (1997-2002), SPRINTER 313 2.1 CDI (2000-2006), SPRINTER 313 2.1 CDI 4X4 (2002-2006), SPRINTER 313 2.2 CDI (2000-2006), SPRINTER 315 2.1 CDI 4X4 (2008->),

SPRINTER 316 2.7 CDI (2000-2006), SPRINTER 408 2.1 CDI (2000-2006), SPRINTER 408 2.3 D (1996-2006), SPRINTER 410 2.9 D (1996-2006), SPRINTER 411 2.1 CDI (2000-2006), SPRINTER 412 2.9 D (1996-2006), SPRINTER 413 2.1 CDI (2000-2006), SPRINTER 415 2.1 CDI (2006->), SPRINTER 416 2.7 CDI (2000-2006), SPRINTER 616 2.7 CDI (2001-2006), U 100 2.9 (1996->), U 90 2.9 (1996->), V 200 2.2 CDI (1999-2003), V 230 2.3 TD (1996-2003), V 230 2.3 TD (1999-2003), VIANO 2.1 CDI 4-MATIC (2005->), VIANO 2.2 CDI (2003->), VITO 108 2.2 CDI (1999-2003), VITO 108 2.3 D (1995-1997), VITO 108 2.3 D (1996-2003), VITO 109 2.1 CDI (2003->), VITO 110 2.2 CDI (1999-2003), VITO 110 2.3 D (1996-2003), VITO 110 2.3 TD (1995-1997), VITO 111 2.2 CDI (2003->), VITO 112 2.2 CDI (1999-2003), VITO 115 2.2 CDI (2003->), VITO 2.1 CDI (2006->), VITO 2.2 CDI (2007->) **OPEL** FRONTERA A 2.5 TDS (1996-1998), OMEGA B 2.5 DTI (2001-2003), OMEGA B 2.5 TD (1996-2000) **PEUGEOT** 205 1.7 DIESEL (1994->), 205 1.8 DIESEL (1983-1998), 206 1.9 DIESEL (1998-2001), 206 2.0 HDI (1999->), 305 1.9 DIESEL (1982-1988), 306 1.8 (1993-2001), 306 1.8 DIESEL (1993-2001), 306 1.9 DIESEL (1993-2002), 306 1.9 TD (1993-2002), 306 2.0 HDI (1999-2002), 307 2.0 16V (2005->), 307 2.0 HDI (2000->), 307 2.0 HDI FAP (2003->), 309 1.8 DIESEL (1989-1993), 309 1.8 TD (1989-1993), 309 1.9 DIESEL (1986-1993), 405 1.8 DIESEL 4X4 (1987-1992), 405 1.8 TD (1988-1992), 405 1.9 DIESEL (1988-1995), 405 1.9 TD (1992-1996), 406 1.9 DIESEL (1996-2004), 406 1.9 TD (1996-2004), 406 2.0 HDI (1998-2004), 406 2.0 HDI FAP (2001-2004), 406 2.1 TD 12V (1996-2004), 406 2.2 HDI (2000-2004), 407 2.0 (2004->), 407 2.0 16V (2005->), 407 2.0 BIOFLEX (2007->), 407 2.0 HDI FAP (2004->), 407 2.2 16V (2005->), 508SW 2.0 HDI HYBRID (2011->), 605 2.1 DIESEL (1989-1995), 605 2.1 TD (1989-1999), 607 2.0 HDI (2000-2004), 607 2.2 16V (2005->), 607 2.2 HDI (2000->), 806 1.9 TD (1995-2002), 806 2.0 HDI (1999-2002), 806 2.0 TURBO (1994-2002), 806 2.1 TD (1996-2002), 807 2.0 HDI (2002->), 807 2.2 HDI FAP (2002->), BOXER 1.9 DIESEL (1994-2002), BOXER 2.0 HDI (2001-2004), BOXER 2.2 HDI (2002->), BOXER 2.5 DIESEL (1994-2002), BOXER 2.5 TD (1994-2002), EXPERT 1.9 DIESEL (1996->), EXPERT 1.9 TD (1996->), EXPERT 2.0 HDI (2000->), J5 1.9 DIESEL (1990-1994), PARTNER 1.8 DIESEL (1996->), PARTNER 1.9 DIESEL (1996-1998), PARTNER 1.9 DIESEL 4X4 (2004->), PARTNER 2.0 HDI (2000->), PARTNER 2.0 HDI 4X4 (2004->) **PORSCHE** 911 CARRERA, 911 CARRERA 3.6, 912, 996, 997, BOXSTER (96->04) 3.2, BOXSTER (96->04) 2.5, BOXSTER (96->04) 2.7 CAYENNE 2002, GT3 **RUGGERRINI** MD 300 1.4 (1997-1999), MD301 1.3 (1997-1999), MD350 1.6 (1997-1999), MD351 1.6 (1997-1999), RP170 (1989-1997), RP178 (1990-1997), RP320 (1990-1997), RP360 (1991-1997), RP368 (1990-1997), RP380 (1990-1997) **SSANGYONG** ACTYON 2.0 XDI (2005->), MUSSO 3.2I, REXTON 2.9 TD (2002->), RODION 2.7 XDI (2005->), STAVIC 270 2.7 SXDI (2005->) **SUZUKI** SX4 1.9 DDIS (2006->), VITARA 1.9 DIESEL (1995-1999) **TALBOT** EXPRESS 1.9 DIESEL (1987-1990), HORIZON 1.9 DIESEL (1982-1986), SOLARA 1.6 (1981-1986) **VM** MOTORES DIESEL **VOLVO** C30 2.4 D5 (2006-2012), C70 2.4 (2007-2013), C70 2.4 D5 (2006-2013), S40 2.4 (2006-2010), S40 2.4 CDI (2007-2010), S60 2.4 (2001-2015), S60 2.4 CDI (2003-2005), S60 2.4 D5 AWD (2014-2015), S80 2.0 (2012->), S80 2.0 D3 (2010->), S80 2.4 (2006->), S80 2.4 D5 (2001-2010), S80 2.4 D5 AWD (2010->), V50 2.4 (2006-2010), V60 2.4 D4 AWD (2015->), V70 2.0 (2007-2015), V70 2.0 D3 DRIVE (2013->), V70 2.0 D5

AWD (2010-2015), V70 2.4 (2009-2010), V70 2.4 4X4 (2007-2015), V70 2.4 AWD (2013->), V70 2.4 D4 AWD (2013->), V70 2.4 D5 (2001-2015), V70 2.4 D5 AWD (2011-2015), XC60 2.0 (2012-2015), XC60 2.4 (2008-2017), XC60 2.4 AWD (2013-2015), XC60 2.4 D4 AWD (2015-2017), XC60 2.4 D5 AWD (2009-2015), XC60 2.4 DRIVE (2009-2010), XC70 2.0 (2010-2015), XC70 2.4 AWD (2007->), XC70 2.4 D5 AWD (2011-2015), XC90 2.4 (2002-2006), XC90 2.4 D5 (2011-2014), XC90 2.4 D5 AWD (2007-2010)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0077	BOSCH - WAPSA	R78-M55	1006200218	38

Nº MOTOR DE PARTIDA

0001109300, 0001109301

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CITROEN JUMPER 2.8 4X4, JUMPER 2.8 HDI **FIAT** DUCATO 2.3 JTD, DUCATO 2.8 DIESEL, DUCATO 2.8 DIESEL 4X4, DUCATO 2.8 JTD, DUCATO 2.8 JTD 4X4 **PEUGEOT** BOXER 2.8 HDI, BOXER 2.8 HDI 4X4

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0078	BOSCH - WAPSA		1006200220, F000AL1974, F000AL2625	37

Nº MOTOR DE PARTIDA

F000AL0111, F000AL0130, F000AL0150, F000AL0152, F004A94008, F004A94011

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FORD CARGO 11T, CARGO 13T, CARGO 15T, CARGO 24T, CARGO 26T, CARGO 8T, CARGO C 12T, CARGO C 13T, CARGO C 14T, CARGO C 15T, CARGO C 16T, CARGO C 17T, CARGO C 24T, CARGO C 7T, CARGO C 8T, CARGO C 9T, F-250 **MERCEDES BENZ** SPRINTER 515 CDI **TOYOTA** AVENSIS D4D, AVENSIS VERSO D4D, COROLA VERSO D4D, COROLLA D4D, HILLUX D4D, LAND CRUISER D4D, PREVIA D4D, RAV4 D4D, SW4 D4D, YARIS D4D, YARIS VERSO D4D

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0079	BOSCH - WAPSA		1006200117,223630, 1006200118,223640, 1006200126,223660, F000AL2625, 1006200154	

Nº MOTOR DE PARTIDA

0001109014, 0001109018, 0001109026, 0001109036, 0001109048, 0001109204, 0001109264, 0001109267, 0001109268, 0001109269, 0001109270, 0001109340, 0001109341, 0001124011, 0001124012, 0001125001, 0001125002, 0001125005, 0001125006, 0001125007, 0001125008, 0001125009, 0001125010, 0001125012, 0001125013, 0001125021, 0001125022, 0001125031, 0001125032, 0001125035, 0001125036, 0001125039, 0001125040, 0001125042, 0001125043, 0001125051, 0001125052, 0001125501, 0001125502, F000AL0150, F000AL0152

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ALFA ROMEO 145 1.9 JTD (1999-2001), 147 1.9 JTD (2000-2002), 147 1.9 JTD 16V (2005->), 147 1.9 JTDM (2008->), 147 1.9 JTDM 16V (2005->), 156 1.9 JTD (1997-2006), 159 1.9 JTDM 16V (2005->), 166 2.4 (2003->), 166 2.4 JTD (2000->), ALFA 146 1.9 JTD (1999-2001), BRERA 2.4 JTDM 20V (2006->), GT 1.9 JTD (2003->), MITO 1.6 (2008->), SPIDER 2.4 JTDM (2007->) **AUDI** A2, A3, S3 1.9 TDI **BMW** 324 2.4 TD (1987-1993), 325 2.5 TD (1991-1999), 330 3.0 DIESEL (2003->), 330 3.0 XD 4X4 (2003->), 524 2.4 DIESEL (1986-1987), 524 2.4 TD (1983-1995), 525 2.5 DIESEL (2000-2004), 525 2.5 TD (1993-2000), 525 2.5 TDS (1991-2000), 530 3.0 DIESEL (2003->), 535 3.0 DIESEL (2004->), 725 2.5 TDS (1996-2000), 730 3.0 DIESEL (2002->), X3 3.0 DIESEL (2004->), X5 3.0 DIESEL (2003->) **CHEVROLET** KORANDO 3.2 (1999->) **CITROEN** BERLINGO 2.0 HDI (1999->), BX 1.9 DIESEL (1987-1992), BX16 1.6 (1988-1993), BX17 1.8 DIESEL (1985-1993), BX19 1.8 TURBO TRD (1988-1993), BX19 1.9 4X4 (1989-1993), BX19 1.9 DIESEL (1983-1993), C15 1.8 DIESEL (1986-2000), C15 1.9 DIESEL (2000-2005), C25 1.9 DIESEL (1987-1994), C25 2.5 DIESEL 4X4 (1987-1994), C4 2.0 16V (2004->), C4 2.0 HDI (2004->), C4 2.0 HDI PICASSO 165 (2010->), C5 2.0 HDI (2001-2004), C5 2.2 HDI (2001-2006), C5 3.0 V6 (2001-2005), C8 2.0 HDI (2002->), C8 2.2 HDI (2002->), C8 3.0 V6 (2002->), DS4 2.0 HDI 160 (2011->), EVASION 1.9 TD (1994-2002), EVASION 2.0 HDI (1999-2002), EVASION 2.1 TD (1996-2002), JUMPER 1.9 DIESEL (1994-2002), JUMPER 1.9 TD (1994-2002), JUMPER 1.9 TD 4X4 (1996-2002), JUMPER 2.0 HDI (2001-2002), JUMPER 2.2 HDI (2002->), JUMPY 1.9 DIESEL (1995-1998), JUMPY 1.9 TD (1995->), JUMPY 2.0 HDI (1999-2006), JUMPY 2.0 HDI 125/95 (2011->), VISA 1.7 DIESEL (1984-1991), XANTIA 1.9 DIESEL (1994-2003), XANTIA 1.9 TD (1994-2003), XANTIA 2.0 HDI (1999-2003), XANTIA 2.1 TD 12V (1995-1999), XM 2.1 DIESEL (1989-1996), XM 2.1 TD 12V (1989-2000), XM 2.1 TD 12V (1994-2000), XSARA 1.8 DIESEL (1997-2000), XSARA 1.8 TD (1997-2000), XSARA 1.9 DIESEL (1997-2005), XSARA 1.9 TD (1997-2000), XSARA 2.0 HDI (1999-2005), ZX 1.8 DIESEL (1993-1997), ZX 1.9 TD (1992-1997) **CITROËN** BERLINGO 1.8 **FIAT** 500 2.6 (1971-1980), 540 2.6 (1971-1980), 850 S 4.9 (1972-1974), 980 5.2 (1979-1984), BRAVA 1.9 JTD (1998-2001), BRAVA 1.9 TD (1996-2001), BRAVO 1.6 MULTIJET (2008->), BRAVO 1.9 DIESEL MULTIJET (2007->), BRAVO 1.9 JTD (1998-2001), BRAVO 1.9 TD (1996-2001), CROMA 1.9 DIESEL MULTIJET (2005->), DOBLO 1.9 DIESEL (2001->), DOBLO 1.9 JTD (2001-2005), DUCATO 1.9 DIESEL (1998-2002), DUCATO 1.9 TD (1998-2002), DUCATO 2.0 (1994-1995), DUCATO 2.0 JTD (2002->), FIORINO 1.7 TD (1999-2001), GRANDE PUNTO 1.9 DIESEL MULTIJET (2005->), LINEA 1.6 MULTIJET (2009->), MAREA 1.9 JTD (1999-2001), MAREA 1.9 TD/TDI (1996->), MARENGO 1.9 JTD (1999-2002), MARENGO 1.9 TD (1997-2002), MULTIPLA 1.9 JTD (1999->), PALIO 1.7 TD (1996-2001), PALIO 1.9 DIESEL (2000-2001), PUNTO 1.7 DIESEL (1993-1999), PUNTO 1.7 TD (1994-1999), PUNTO 1.9 DIESEL (1999->), PUNTO 1.9 JTD (1999-2003), SCUDO 1.9 DIESEL (1996-2006), SCUDO 1.9 TD (1996-2006), SCUDO 2.0 JTD (1999-2006), STILO 1.9 DIESEL (2004->), STILO 1.9 DIESEL MULTIJET (2005->), STILO 1.9 JTD (2001->), STRADA 1.9 DIESEL (2000-2003), STRADA 1.9 JTD (2003->), ULYSSE 1.9 TD (1995-2002), ULYSSE 2.0 (1994-2002), ULYSSE 2.0 JTD (1999-2003), ULYSSE 2.0 TURBO (1994-2002), ULYSSE 2.1 TD (1996-1999), ULYSSE 2.2 JTD (2002->) **FORD** CARGO 11T, CARGO 13T, CARGO 15T, CARGO 24T, CARGO 26T, CARGO 8T, CARGO C 12T, CARGO C 13T, CARGO C 14T, CARGO C 15T, CARGO C 16T, CARGO C 17T, CARGO C 24T, CARGO C 7T, CARGO C 8T, CARGO C 9T, C-MAX 1.8 TDCI (2007->), FOCUS 1.8 TDCI (2005-2008), GALAXY 1.8 TDCI (2006->), GALAXY 1.9, GALAXY 2.0, GALAXY 2.3, GALAXY 2.8 TDI, GALAXY VR6, MONDEO 1.8 TDCI (2007->), S-MAX 1.8 TDCI (2006->) **GAZ** 2217 2.1D (1998->), 2705 2.1D (1995->), 2752 2.1D (1998->), 3221 2.1D (1996->), 3302 2.1D (1994->), 33023 2.1D (1996->) **HYUNDAI** LANTRA 1.9 DIESEL (1998-2000) **LANCIA** DELTA 2.0 MULTIJET (2008->), KAPPA 2.4 JTD (1998-2001), LYBRA 1.9 JTD (1999-2001), LYBRA 2.4 JTD (1999-2002), PHEDRA JTD (2002->), THESIS 2.4 JTD (2002->), ZETA 2.0 JTD (1999-2002), ZETA 2.0 TURBO (1999-2002), ZETA 2.1 TD (1996-1999) **LAND ROVER** RANGE ROVER 2.5 DIESEL (1994-2002) **LDV** MAXUS 2.5 CDI (2005->) **LOMBARDINI** LDW 1503M, LDW 2004M, LDW 2004TBI **LTI** TX4 2.5 D (2006->) **MAYBACH** MAYBACH 5.5 (2002->) **MERCEDES BENZ** 190 E 2.6 (1986-1993), 208 2.1 CDI (2000-2006), 211 2.1 CDI (2000-2006), 213 2.1 CDI (2000-2006), 216 2.7 CDI (2000-2006), 260 E 2.6 (1985-1992), 260 E 2.6 4-MATIC (1986-1992), 260 SE 2.5 (1985-1991), 280 E 2.8 (1992-1993), 280 TE 2.8 (1992-1993), 300 CE-24 3.0 (1989-1992), 300 E 2.9 (1985), 300 E 3.0 (1985-1992), 300 E 3.0 4-MATIC (1986-1993), 300 E-24 3.0 (1988-1992), 300 SE 2.9 (1986-1991), 300 SE 3.2 (1991-1993), 300 SEL 2.9 (1986-1991), 300 SEL 3.2 (1991-1998), 300 SL 2.9 (1985-1989), 300 SL 3.0 (1989-1993), 308 2.1 CDI (2000-2006), 311 2.1 CDI (2000-2006), 313 2.1 CDI (2000-2006), 316 2.7 CDI (2000-2006), 320 CE/E 3.2 (1992-1993), 512 2.9 (1996->), 600 SE 6.0 (1991-1998), 612 2.9 (1996->), 812 2.9 (1996->), C 200 2.0 CDI (1998-2000), C 200 2.0 D (1993-2001), C 200 2.1 CDI (2000->), C 200 2.2 CDI (1998-2001), C 220 2.1 CDI (2000->), C 220 2.1 CDI (2000-2008), C 220 2.1 CDI (2001-2008), C 220 2.2 CDI (1997-2001), C 220 2.2 D (1993-2001), C 250 2.5 D (1993-2000), C 250 2.5 TD (1995-2001), C 270 2.7 CDI (2000->), C 270 2.8 CDI (2000-2007), C 280 2.8 (1993-1997), C 30 AMG 3.0 CDI (2002-2008), C 36 AMG 3.6 (1994-1997), C 36 AMG 3.6 (1994-2000), CLK 220 2.1 CDI (2005->), CLK 220 2.1 CDI (2005-2009), CLK 270 2.7 CDI (2002->), E 200 2.0 D (1996-2002), E 200 2.1 CDI (1999-2002), E 200 2.2 CDI (1998-2002), E 200 E 2.1 CDI (2002->), E 220 2.1 CDI (1999-2003), E 220 2.2 CDI (1998-2003), E 220 2.2 D (1995-1999), E 220 T 2.1 CDI (1999-2003), E 250 2.5 D (1995-1999), E 250 2.5 TD (1993-1999), E 270 2.7 CDI (1999-2002), E 270 2.7 CDI (2002-2008), E 270 T 2.7 CDI (1999-2003), E 270 T 2.7 CDI (2003-2009), E 280 2.8 (1993-1996), E 280 3.0 (1993-1995), E 280 3.2 CDI (2004->), E 280 E 2.8 (1996-1997), E 290 E 2.9 TD (1996-1999), E 300 3.0 4-MATIC (1993-1995), E 300 CE 3.0 (1987-1993), E 320 3.2 (1993-1998), E 320 3.2 (1995-1997), E 320 3.2 CDI (1999-2002), E 320 T 3.2 CDI (1999-2003), E 36 AMG 3.6 (1993-1994), E 36 AMG 3.6 (1994-1998), G 270 2.7 CDI (2001->), G 320 3.2 (1994-1997), G 36 AMG 3.6 (1995->), ML 270 2.7 CDI (1999-2005), O 812 2.9 (1996->), S 280 2.8 (1993-1998), S 320 3.2 CDI (1999-2002), S 320 3.2 CDI (1999-2005), SL 280 2.3 (1993-1998), SL 320 3.2 (1993-1998), SL 600 6.9 (1992-2001), SPRINTER 208 2.1 CDI (2000-2006), SPRINTER 208 2.3 D (1995-2000), SPRINTER 210 2.9 D (1997-2000), SPRINTER 211 2.1 CDI (2000-2006), SPRINTER 212 2.9 D (1995-2000), SPRINTER 213 2.1 CDI (2000-2006), SPRINTER 216 2.7 CDI (2000-2006), SPRINTER 308 2.1 CDI (2000-2006), SPRINTER 308 2.3 D (1995-2000), SPRINTER 310 2.9 D (1995-2000), SPRINTER 310 2.9 D 4X4 (1997-2002), SPRINTER 311 2.1 CDI (2000-2006), SPRINTER 311 2.1 CDI 4X4 (2002-2006), SPRINTER 312 2.9 D (1995-2001), SPRINTER 312 2.9 D 4X4 (1997-2002), SPRINTER 313 2.1 CDI (2000-2006), SPRINTER 313 2.1 CDI 4X4 (2002-2006), SPRINTER 313 2.2 CDI (2000-2006), SPRINTER 315 2.1 CDI 4X4 (2008->), SPRINTER 316 2.7 CDI (2000-2006), SPRINTER 408 2.1 CDI (2000-2006), SPRINTER 408 2.3 D (1996-2006), SPRINTER 410 2.9 D (1996-2006), SPRINTER 411 2.1 CDI (2000-2006), SPRINTER 412 2.9 D (1996-2006), SPRINTER 413 2.1 CDI (2000-2006), SPRINTER 415 2.1 CDI (2006->), SPRINTER 416 2.7 CDI (2000-2006), SPRINTER 515 CDI, SPRINTER 616 2.7 CDI (2001-2006), U 100 2.9 (1996->), U 90 2.9 (1996->), V 200 2.2 CDI (1999-2003), V 230 2.3 TD (1996-2003), V 230 2.3 TD (1999-2003), V280, VIANO 2.1 CDI 4-MATIC (2005->), VIANO 2.2 CDI (2003->), VITO 108 2.2 CDI (1999-2003), VITO 108 2.3 D (1995-1997), VITO 108 2.3 D (1996-2003), VITO 109 2.1 CDI (2003->), VITO 110 2.2 CDI (1999-2003), VITO 110 2.3 D (1996-2003), VITO 110 2.3 TD (1995-1997), VITO 111 2.2 CDI (2003->), VITO 112 2.2 CDI (1999-2003), VITO 115 2.2 CDI (2003->), VITO 2.1 CDI (2006->), VITO 2.2 CDI (2007->) **OPEL** FRONTERA A 2.5 TDS (1996-1998), OMEGA B 2.5 DTI (2001-2003), OMEGA B 2.5 TD (1996-2000 **PEUGEOT** 205 1.7 DIESEL (1994->), 205 1.8 DIESEL (1983-1998), 206 1.9 DIESEL (1998-2001), 206 2.0 HDI (1999->), 305 1.9 DIESEL (1982-1988), 306 1.8 (1993-2001), 306 1.8 DIESEL (1993-2001), 306 1.9 DIESEL (1993-2002), 306 1.9 TD (1993-2002), 306 2.0 HDI (1999-2002), 307 2.0 16V (2005->), 307 2.0 HDI (2000->), 307 2.0 HDI FAP (2003->), 309 1.8 DIESEL (1989-1993), 309 1.8 TD (1989-1993), 309 1.9 DIESEL (1986-1993), 405 1.8 DIESEL 4X4 (1987-1992), 405 1.8 TD (1988-1992), 405 1.9 DIESEL (1988-1995), 405 1.9 TD (1992-1996), 406 1.9 DIESEL (1996-2004), 406 1.9 TD (1996-2004), 406 2.0 HDI (1998-2004), 406 2.0 HDI FAP (2001-2004), 406 2.1 TD 12V (1996-2004), 406 2.2 HDI (2000-2004), 407 2.0 (2004->), 407 2.0 16V (2005->), 407 2.0 BIOFLEX (2007->), 407 2.0 HDI FAP (2004->), 407 2.2 16V (2005->), 508SW 2.0 HDI HYBRID (2011->), 605 2.1 DIESEL (1989-1995), 605 2.1 TD (1989-1999), 607 2.0 HDI (2000-2004), 607 2.2 16V (2005->), 607 2.2 HDI (2000->), 806 1.9 TD (1995-2002), 806 2.0 HDI (1999-2002), 806 2.0 TURBO (1994-2002), 806 2.1 TD (1996-2002), 807 2.0 HDI (2002->), 807 2.2 HDI FAP (2002->), BOXER 1.9 DIESEL (1994-2002), BOXER 2.0 HDI (2001-2004), BOXER 2.2 HDI (2002->), BOXER 2.5 DIESEL (1994-2002), BOXER 2.5 TD (1994-2002), EXPERT 1.9 DIESEL (1996->), EXPERT 1.9 TD (1996->), EXPERT 2.0 HDI (2000->), J5 1.9 DIESEL (1990-1994), PARTNER 1.8 DIESEL (1996->), PARTNER 1.9 DIESEL (1996-1998), PARTNER 1.9 DIESEL 4X4 (2004->), PARTNER 2.0 HDI (2000->), PARTNER 2.0 HDI 4X4 (2004->)**RUGGERRINI** MD 300 1.4 (1997-1999), MD301 1.3 (1997-1999), MD350 1.6 (1997-1999), MD351 1.6 (1997-1999), RP170 (1989-1997), RP178 (1990-1997), RP320 (1990-1997), RP360 (1991-1997), RP368 (1990-1997), RP380 (1990-1997) **SEAT** ALHAMBRA, AROSC 1.7SDI, CORDOBA, IBIZA II, LEON, LT 2.5 TD 4X4, LUPO 1.7 SDI, POLO 1.7, POLO 1.9D SDI, TOLEDO 1.7D, TOLEDO 1.9D, TOLEDO SDI, TOLEDO TD, TOLEDO TDI, TOLEDO V5 **SKODA** FABIA, OCTAVIA, OCTAVIA 1.4TDI, OCTAVIA 1.9 SDI **SSANGYONG** ACTYON 2.0 XDI (2005->), REXTON 2.9 TD (2002->), RODION 2.7 XDI (2005->), STAVIC 270 2.7 SXDI (2005->) **SUZUKI** SX4 1.9 DDIS (2006->), VITARA 1.9 DIESEL (1995-1999) **TALBOT** EXPRESS 1.9 DIESEL (1987-1990), HORIZON 1.9 DIESEL (1982-1986), SOLARA 1.6 (1981-1986) **VM** MOTORES DIESEL **VOLKSWAGEN** BORA, CABRIO, CANDYII, CORRADO, EUROVAN, GOLF, JETTA, NEW BEETLE, PASSAT, POLO, SHARAN MOTORES 1.4, SHARAN MOTORES 1.5D, SHARAN MOTORES 1.6D, SHARAN MOTORES 1.8GTI SHARAN MOTORES 1.9 SDI, SHARAN MOTORES 2.8 VR6, SHARAN MOTORES 2.9 VR6, SHARAN MOTORES TDI, SHARAN MOTORES V5, SHARAN MOTORES V6, TRANSPORTER 1.2, TRANSPORTER 1.5 TRANSPORTER 1.6, TRANSPORTER 1.9TD, TRANSPORTER 2.4D, TRANSPORTER 2.5, TRANSPORTER 2.5 SYNCRO, TRANSPORTER 2.8 VR6, TRANSPORTER TDI, VENTO 1.9D, VENTO SDI, VENTO TD VENTO TDI, VENTO VR6 **VOLVO** C30 2.4 D5 (2006-2012), C70 2.4 (2007-2013), C70 2.4 D5 (2006-2013), S40 2.4 (2006-2010), S40 2.4 CDI (2007-2010), S60 2.4 (2001-2015), S60 2.4 CDI (2003-2005), S60 2.4 D5 AWD (2014-2015), S80 2.0 (2012->), S80 2.0 D3 (2010->), S80 2.4 (2006->), S80 2.4 D5 (2001-2010), S80 2.4 D5 AWD (2010->), V50 2.4 (2006-2010), V60 2.4 D4 AWD (2015->), V70 2.0 (2007-2015), V70 2.0 D3 DRIVE (2013->), V70 2.0 D5 AWD (2010-2015), V70 2.4 (2009-2010), V70 2.4 4X4 (2007-2015), V70 2.4 AWD (2013->), V70 2.4 D4 AWD (2013->), V70 2.4 D5 (2001-2015), V70 2.4 D5 AWD (2011-2015), XC60 2.0 (2012-2015), XC60 2.4 (2008-2017), XC60 2.4 AWD (2013-2015), XC60 2.4 D4 AWD (2015-2017), XC60 2.4 D5 AWD (2009-2015), XC60 2.4 DRIVE (2009-2010), XC70 2.0 (2010-2015), XC70 2.4 AWD (2007->), XC70 2.4 D5 AWD (2011-2015), XC90 2.4 (2002-2006), XC90 2.4 D5 (2011-2014), XC90 2.4 D5 AWD (2007-2010)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0080	BOSCH - WAPSA	DW	1006200110, 1006200123, 1006200128, 5000AL1037, F000AL1015, F000AL1017, F000AL1019, F000AL1037	37

Nº MOTOR DE PARTIDA

0001107007, 0001107009, 0001107013, 0001107015, 0001107020, 0001107022, 0001107023, 0001108026, 0001108048, 0001108136, 0001108146, 0001108154, 0001108159, 0001109040, 9000081001, 9000081005, 9000081006, 9000081007, 9000081008, F000AL0100, F000AL0110, F000AL0128, F005M00012, F005M00014

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ALFA ROMEO 145 1.6 (1994-1996), 145 1.7 16V (1994-1996), 146 1.6 (1995-1996), 146 1.7 16V (1994-1996), 33 1.2 (1983-1989), 33 1.3 I.E. (1991-1994), 33 1.5 (1990-1993), 33 1.7 I.E. 16V (1990-1994), 33 1.8 TD (1990-1994), ALFASUD GIARDINETTA 1.3 (1978-1979), ALFASUD SPRINT 1.3 (1976-1981), ALFASUD SPRINT 1.4 (1978-1989), ALFASUD SPRINT 1.5 VELOCE (1980-1987), ALFASUD SPRINT 1.7 (1987-1989), ARNA 1.2 (1985-1986), ARNA 1.3 TI (1983-1986), ARNA 1.5 **AUDI** 100 2.0 (1991-1994), 100 2.0 16V (1992-1994), 80 1.6 (1990-1991), 80 1.6 E (1994-1996), 80 2.0 (1991-1996), 80 2.0 16V (1992-1996), 80 2.0 QUATTRO (1991-1994), A4 1.6 (1994-2004), A4 1.8 (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 TURBO (1994-2004), A4 2.0 (2000-2004), A4 2.0 FSI (2001-2004), A6 1.8 (1994-2001), A6 1.8 QUATTRO (1995-1997), A6 1.8 TURBO (1997-2001), A6 1.8 TURBO QUATTRO (1997-2005), A6 2.0 (1994-2004), A6 2.0 16V (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), CABRIOLET 2.0 16V (1995-1996), COUPE 2.0 (1989-1995), COUPE 2.0 16V (1992-1992) **CHEVROLET** ESPERO 1.8 (1995->), ESPERO 2.0 (1991-1994), EVANDA 2.0 (2002->), LACETTI 1.8 (2004->), LEGANZA 2.0 16V (1997-2002), LEGANZA 2.2 16V (1999-2002), NUBIRA 1.8 (2005->), NUBIRA 2.0 16V (1997->), REZZO 2.0 (2005->), TACUMA 2.0 (2000->) **CLAAS** 1013 (1976-1986), JAGUAR 60SF 5.7 (1974-1976), MBB: 900 3.8 (1981-1987), MERCATOR 50 3.8 (1973-1976) **NEW HOLLAND** FNH8040, FNH8055, FNH8255, LOMBARDINI, RUGGERINI **OPEL** ASTRA F 1.6 (1995-1998), ASTRA F 1.8 I (1993-1998), ASTRA F 2.0 GSI 16V (1995-1998), ASTRA G 2.0 (1997-2005), ASTRA G 2.0 TURBO 16V (2000-2005), ASTRA H 2.0 TURBO (2004->), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1994-1997), CALIBRA A 2.0 I 16V (1995-1997), CALIBRA A 2.0 I 4X4 (1990-1997), CALIBRA A 2.0 I TURBO 4X4 (1995-1997), FRONTERA A 2.0 I SPORT (1992-1998), FRONTERA A 2.2 I (1995-1998), FRONTERA B 2.2 I (1998-2004), KADETT E 1.8 I (1985-1991), OMEGA A 1.8 (1986-1987), OMEGA A 1.8 (1986-1994), OMEGA A 2.0 I (1986-2000), OMEGA B 2.0 I 16V (1993-1999), OMEGA B 2.2 I 16V (1999-2003), SINTRA 2.2 I 16V (1996-1999), SPEEDSTER 2.0 TURBO (2003->), VECTRA A 1.8 I (1988-1995), VECTRA A 2.0 I (1988-1995), VECTRA A 2.0 I 16V (1994-1995), VECTRA B 1.6 I (1995-2002), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I (1995-2002), ZAFIRA A 2.0 (2001-2005), ZAFIRA A 2.0 OPC (2001-2005), ZAFIRA B 2.0 (2005->) **SAAB** 9-3 2.0 TURBO (1999-2003), 9-5 2.3 TURBO (2001->) **SKODA** SUPERB 1.8 TURBO 20V (2001-2004), SUPERB 2.0 (2001-2004) **VAUXHALL** ASTRA 2.0 TURBO (2002->), ASTRA 2.0 TURBO SRI (2002->), ASTRA D 1.6 S (1982-1986), ASTRA F 1.8 16V (1994-2001), ASTRA F 1.8 I (1991-2001), ASTRA F 2.0 I (1991-1998), ASTRA F 2.0 I 16V (1995-1998), ASTRA G 2.0 16V (1997-2005), ASTRA MK II 2.0 I (1987-1993), ASTRA MK III 1.8 I 16V (1994-1996), ASTRA MK III 2.0 I 16V (1994-1998), ASTRA MK IV 2.0 TURBO 16V (2000-2005), ASTRA MK V 2.0 TURBO (2004->), BELMONT 1.8 (1986-1993), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1990-1997), CARLTON 1.8 (1986-1994), CARLTON 2.0 (1986-1994), CAVALIER 2.0 I (1986-1988), CAVALIER 2.0 I 16V (1993-1995), CAVALIER 2.0 I 4X4 (1988-1995), CAVALIER MK 2.0 I TURBO 4X4 (1992-1995), FRONTERA A 2.0 I 4X4 SPORT (1992-1998), FRONTERA A 2.2 I 4X4 LONG (1995-1998), FRONTERA B 2.2 I (1995->), OMEGA 2.0 (1993-2000), OMEGA 2.0 16V (1993-1999), OMEGA 2.2 I 16V (1999-2004), SINTRA 2.2 I 16V (1996-1999), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I 16V (1995-2000), VECTRA B 2.2 I (1999-2001), VX 2.0 I TURBO 220 (2003->), ZAFIRA 2.0 TURBO 16V (2001->) **VW** PASSAT 1.6 (1996-2003), PASSAT 1.8 (1996-2000), PASSAT 1.8 SYNCRO 4-MOTION (1996-2000), PASSAT 1.8 TURBO (1997-2003), PASSAT 1.8 TURBO 20V (2000-2003), PASSAT 2.0 (2000-2003), PASSAT 2.0 4-MOTION (2000-2003)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0081	BOSCH - WAPSA		1005821307	37

Nº MOTOR DE PARTIDA

0001107003, 0001108013, 0001108021, 0001108022, 0001108023, 0001108026, 0001108027, 0001108030, 0001108031, 0001108032, 0001108035, 0001108037, 0001108038, 0001108040, 0001108045, 0001108046, 0001108051, 0001108052, 0001108053, 0001108056, 0001108061, 0001108066, 0001108068, 0001108069, 0001108070, 0001108072, 0001108073, 0001108076, 0001108077, 0001108081, 0001108084, 0001108091, 0001108092, 0001108093, 0001108094, 0001108095, 0001108103, 0001108104, 0001108105, 0001108135, 0001108137, 0001108144, 0001108151, 0001108154, 0001108159, 0001109040

APLICAÇÕES

DIVERSAS ALFA, AUDI, CHRYSLER, FIAT, JEEP, ROVER, VOLKSWAGEN

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0083	BOSCH - WAPSA		1006200121, 1006200153, 1006200161, 1006200206	36

Nº MOTOR DE PARTIDA

0001106012, 0001106017, 0001106022, 0001106023, 0001107056, 0001107075, 0001107079, 0001107088, 0001107100, 0001107101, 0001107108, 0051511101, 0051514701, 183, 248100D100, 2810002080, 281000D100, 2810016230, 7700115294 A0051511101, A0051514701, F000AL0101, F000AL0104, F000AL0106, F000AL0118, F000AL0121, F000AL0127, F000AL0158

APLICAÇÕES

CHEVROLET - GM VECTRA 2.0, VECTRA 2.2 16V **CITROEN** XSARA PICASSO 2.0 **DIVERSAS** ALFAROMEO, AUDI, LANCIA, OPEL, PEUGEOT, SEAT, VAUXHALL, VOLKSWAGEN, VOLVO **FIAT** TIPO 1.6I.E **RENAULT** CLIO 2.0, ESPACE, KANGOO, LAGUNA 2.0 16V, MEGANE 1.8, SENIC 1.8, SENIC 2.0, TWINGO **TOYOTA** COROLLA 1.8I 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0085	BOSCH - WAPSA		23371F4029	36

Nº MOTOR DE PARTIDA
9008046015

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GM BLAZER, S10 2.8 DIESEL (2012) **NISSAN** DIVERSOS **RENAULT** MASTER, TRAFFIC **VOLKSWAGEN** AMAROK 2.0 TDI 122 CV, AMAROK TDI 180 CV

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0094	BOSCH - WAPSA		1006200058, 1006200103	37

Nº MOTOR DE PARTIDA
0001107045, 0001107017, 0001107018, 0001107044, 90512189, 90518627

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CHEVROLET-GM ASTRA, ASTRA SEDAN 2.0I 16V, VECTRA2.0 16V, ZAFIRA 2.0 SFI 16V **OPEL** ASTRA2.0I, CALIBRA 2.0I 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0118	BOSCH - WAPSA	R70		37

Nº MOTOR DE PARTIDA
F000AL0901, F000AL0903

APLICAÇÕES

BMW 325 **MERCEDES-BENZ** SPRINTER 311 CDI / 415 CDI / 515 CDI

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0119	BOSCH - WAPSA	R70		37

Nº MOTOR DE PARTIDA
F000AL0901, F000AL0903

APLICAÇÕES

BMW 325 **MERCEDES-BENZ** SPRINTER 311 CDI / 415 CDI / 515 CDI

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0124	BOSCH - WAPSA		1006200114, 1006200116, 1006200152	37

Nº MOTOR DE PARTIDA
0001107054, 0001107055, 0001107067, 0001107068, 0001107069, 0001107073, 0001107074, 0001107076, 0001115078, 0001115079, 053911023A, 053911023B, 058911023B, 06B911023, 51832949, 51832949A152, 55832949, 8602104

APLICAÇÕES

AUDI 100 1.6 (1992-1994), 100 1.6 AVANT (1992-1993), 100 2.0 (1990-1994), 100 2.0 AVANT QUATTO (1990-1992), 100 2.0 QUATTRO (1990-1994), 200 1.8I TURBO (1997-1999), 80 1.6 (1992-1995), 80 1.6 AVANT (1992-1995), 80 1.8 QUATTRO, 80 2.0 (1991-1995), 80 2.0 AVANT (1992-1995), 80 2.0 AVANT QUATRO (1993-1995), 80 2.0 E (1991-1995), 80 2.0 E AVANT (1992-1995), 80 2.0 QUATTRO (1991-1995), A4 1.6 (1994-2000), A4 1.6 AVANT (1994-2000), A4 1.8 (1994-2000), A4 1.8 AVANT (1994-1999), A4 1.8 AVANT QUATTRO (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 T (1994-1998), A4 1.8 T AVANT (1995-1998), A4 1.8 T AVANT QUATTRO (1996-1998), A4 1.8 T QUATTRO (1994-2000), A6 1.8 (1994-2000), A6 1.8 AVANT (1995-2000), A6 1.8 AVANT QUATTRO (1996-1997), A6 1.8 T (1997-2000), A6 1.8 T AVANT (1998-2000), A6 1.8 T AVANT QUATTRO (1998-1999), A6 1.8 T QUATTRO (1997-1999), A6 2.0 (1994-1997), A6 2.0 AVANT (1994-1997), A6 2.0 AVANT QUATTRO (1994-1997), A6 2.0 QUATTRO (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), COUPE 2.0 (1991-1995) **CITROEN** JUMPER MULTIJET DIESEL 2010 **FIAT** DUCATO 2.3 MULTIJET **PEUGEOT** BOXER

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0125	BOSCH - WAPSA		1006200114	37

Nº MOTOR DE PARTIDA

0001107054, 0001107055, 0001107067, 0001107068, 0001107069, 0001107073, 0001107074, 0001107076, 0001147408, 0001147409, 053911023A, 053911023B, 058911023B, 06B911023, 8602104, F000AL0126, F010AL0103

APLICAÇÕES

AUDI 100 1.6 (1992-1994), 100 1.6 AVANT (1992-1993), 100 2.0 (1990-1994), 100 2.0 AVANT QUATTO (1990-1992), 100 2.0 QUATTRO (1990-1994), 200 1.8I TURBO (1997-1999), 80 1.6 (1992-1995), 80 1.6 AVANT (1992-1995), 80 1.8 QUATTRO, 80 2.0 (1991-1995), 80 2.0 AVANT (1992-1995), 80 2.0 AVANT QUATRO (1993-1995), 80 2.0 E (1991-1995), 80 2.0 E AVANT (1992-1995), 80 2.0 QUATTRO (1991-1995), A4 1.6 (1994-2000), A4 1.6 AVANT (1994-2000), A4 1.8 (1994-2000), A4 1.8 AVANT (1994-1999), A4 1.8 AVANT QUATTRO (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 T (1994-1998), A4 1.8 T AVANT (1995-1998), A4 1.8 T AVANT QUATTRO (1996-1998), A4 1.8 T QUATTRO (1994-2000), A6 1.8 (1994-2000), A6 1.8 AVANT (1995-2000), A6 1.8 AVANT QUATTRO (1996-1997), A6 1.8 T (1997-2000), A6 1.8 T AVANT (1998-2000), A6 1.8 T AVANT QUATTRO (1998-1999), A6 1.8 T QUATTRO (1997-1999), A6 2.0 (1994-1997), A6 2.0 AVANT (1994-1997), A6 2.0 AVANT QUATTRO (1994-1997), A6 2.0 QUATTRO (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), COUPE 2.0 (1991-1995) **DIVERSAS** KOMBI 1.6 **MERCEDES-BENZ** C 180 1.8 CGI (2007->), C 200 1.8 CGI (2011->), C 200 2.0 CGI (2007->), C 250 1.8 CGI (2009->), E 200 1.8 CGI (2009-2010), E 200 1.8 NGT (2011->), E 250 1.8 CGI (2009->)., SLK 200 1.8 (2011->), SLK 250 1.8 (2011->) **VOLKSWAGEN** GOL 1.6 D, III 1.9 D, PARATI 1.6 D, SAVEIRO 1.6 D, TRANSPORTER DIESEL BEF 010 AL 1 039

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0128	BOSCH - WAPSA			40

Nº MOTOR DE PARTIDA

0001223001, 0001223002, 0001223003, 0001223007, 0001223009, 0001223010, 0001223013, 0001223016, 0001223021, 0001223024, 48498717, 500307724, 504201467, 92901859, F002G20720, F002G70007, F002G70022, F002G70092, F002G70156, F002G70205, F002G70276, F002G70344, F002G70353, F002G70370, F002G70407, F002G70450, F002G70458

APLICAÇÕES

DIVERSAS FIAT, FORD, IVECO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0133	BOSCH - WAPSA		006200018,1006200043 1006200110, 1006200121, 1006200123, 1006200128, 1006200153, 5000AL1037	

Nº MOTOR DE PARTIDA

0001107007, 0001107008, 0001107009, 0001107013, 0001107015, 0001107020, 0001107021, 0001107022, 0001107023, 0001107052, 0001107053, 0001108026, 0001108048, 0001108136, 0001108146, 0001108154, 0001108159, 0001109040, 9000081001, 9000081002, 9000081004, 9000081005, 9000081006, 9000081007, 9000081008, F000AL0100, F000AL0110, F000AL0118, F000AL0502, F000AL0507, F005M00012, F005M00014

APLICAÇÕES

ALFA ROMEO 145 1.6 (1994-1996), 145 1.7 16V (1994-1996), 146 1.6 (1995-1996), 146 1.7 16V (1994-1996), 33 1.2 (1983-1989), 33 1.3 I.E. (1991-1994), 33 1.5 (1990-1993), 33 1.7 I.E. 16V (1990-1994), 33 1.8 TD (1990-1994), ALFA 1.6IE, ALFA 145, ALFA 155 2.0TS, ALFA 156, ALFA 164, ALFA 166, ALFA SPIDER, ALFASUD GIARDINETTA 1.3 (1978-1979), ALFASUD SPRINT 1.3 (1976-1981), ALFASUD SPRINT 1.4 (1978-1989), ALFASUD SPRINT 1.5 VELOCE (1980-1987), ALFASUD SPRINT 1.7 (1987-1989), ARNA 1.2 (1985-1986), ARNA 1.3 TI (1983-1986), ARNA 1.5 **AUDI** 100 2.0 (1991-1994), 100 2.0 16V (1992-1994), 80 1.6 (1990-1991), 80 1.6 E (1994-1996), 80 2.0 (1991-1996), 80 2.0 16V (1992-1996), 80 2.0 QUATTRO (1991-1994), A3 1.8, A3 1.8T, A3 100 2.2, A3 200 2.2T, A4 1.6 (1994-2004), A4 1.8 (1994-2001), A4 1.8 QUATTRO (1994-2001), A4 1.8 TURBO (1994-2004), A4 2.0 (2000-2004), A4 2.0 FSI (2001-2004), A6 1.8 (1994-2001), A6 1.8 QUATTRO (1995-1997), A6 1.8 TURBO (1997-2001), A6 1.8 TURBO QUATTRO (1997-2005), A6 2.0 (1994-2004), A6 2.0 16V (1994-1997), CABRIOLET 1.8 (1997-2000), CABRIOLET 2.0 (1993-1998), CABRIOLET 2.0 16V (1995-1996), COUPE 2.0 (1989-1995), COUPE 2.0 16V (1992-1992), SUPERB 2.0 (2001-2004) **CHEVROLET** ASTRA, BLAZER, ESPERO 1.8 (1995->), ESPERO 2.0 (1991-1994), EVANDA 2.0 (2002->), IPANEMA, KADETT, LACETTI 1.8 (2004->), LEGANZA 2.0 16V (1997-2002), LEGANZA 2.2 16V (1999-2002), NUBIRA 1.8 (2005->), NUBIRA 2.0 16V (1997->), OMEGA, REZZO 2.0 (2005->), S-10, TACUMA 2.0 (2000->), VECTRA, ZAFIRA **CLAAS** JAGUAR 60SF 5.7 (1974-1976), MERCATOR 50 3.8 (1973-1976) **DIVERSAS** LOMBARDINI, RUGGERINI **FIAT** CROMA 16V, CROMA 2.0IE, CROMA TURBO, PALIO 1.6, PALIO WEEKEND 1.6 16V, PALIO WEEKEND 8V, TEMPRA 2.0, TEMPRA 2.0IE., TIPO 1.8, TIPO 2.0 **FORD** ESCORT 1.6I, ESCORT 1.8I, ESCORT 2.0I, PASSAT 1.6 (1996-2003), PASSAT 1.8 (1996-2000), PASSAT 1.8 SYNCRO 4-MOTION (1996-2000), PASSAT 1.8 TURBO (1997-2003), PASSAT 1.8 TURBO 20V (2000-2003), PASSAT 2.0 (2000-2003), PASSAT 2.0 4-MOTION (2000-2003), VERONA 2.0I, VERONA1.8I**HOLDEN** CALAIS 5.0, CAPRICE 5.0, CAPRICE STATESMAN 5.0 **JEEP** CHEROKEE 2.5I **LAND ROVER** RANGE ROVER I, RANGE ROVER II **MBB** 1013 (1976-1986), 900 3.8 (1981-1987) **NEW-HOLLAND** FNH8040, FNH8055, FNH8255 **OPEL** ASTRA, ASTRA F 1.6 (1995-1998), ASTRA F 1.8 I (1993-1998), ASTRA F 2.0 GSI 16V (1995-1998), ASTRA G 2.0 (1997-2005), ASTRA G 2.0 TURBO 16V (2000-2005), ASTRA H 2.0 TURBO (2004->), CALIBRA CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1994-1997), CALIBRA A 2.0 I 16V (1995-1997), CALIBRA A 2.0 I 4X4 (1990-1997), CALIBRA A 2.0 I TURBO 4X4 (1995-1997), FRONTERA A 2.0 I SPORT (1992-1998), FRONTERA A 2.2 I (1995-1998), FRONTERA B 2.2 I (1998-2004), KADETT E 1.8 I (1985-1991), OMEGA, OMEGA A 1.8 (1986-1987), OMEGA A 1.8 (1986-1994), OMEGA A 2.0 I (1986-2000), OMEGA B 2.0 I 16V (1993-1999), OMEGA B 2.2 I 16V (1999-2003), OMEGA IMPORTADO 3.8 / V6, SINTRA 2.2 I 16V (1996-1999), SPEEDSTER 2.0 TURBO (2003->), VECTRA, VECTRA A 1.8 I (1988-1995), VECTRA A 2.0 I (1988-1995), VECTRA A 2.0 I 16V (1994-1995), VECTRA B 1.6 I (1995-2002), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I (1995-2002), ZAFIRA A 2.0 (2001-2005), ZAFIRA A 2.0 OPC (2001-2005), ZAFIRA B 2.0 (2005->) **PEUGEOT** 306, 405, 605, 806, PARTNER **SAAB** 9-3 2.0 TURBO (1999-2003), 9-5 2.3 TURBO (2001->) **SEAT** ALHAMBRA, CITY GOLF, CORDOBA, IBIZA, INCA 1.6 EFI **VAUXHALL** ASTRA 2.0 TURBO (2002->), ASTRA 2.0 TURBO SRI (2002->), ASTRA D 1.6 S (1982-1986), ASTRA F 1.8 16V (1994-2001), ASTRA F 1.8 I (1991-2001), ASTRA F 2.0 I (1991-1998), ASTRA F 2.0 I 16V (1995-1998), ASTRA G 2.0 16V (1997-2005), ASTRA MK II 2.0 I (1987-1993), ASTRA MK III 1.8 I 16V (1994-1996), ASTRA MK III 2.0 I 16V (1994-1998), ASTRA MK IV 2.0 TURBO 16V (2000-2005), ASTRA MK V 2.0 TURBO (2004->), BELMONT 1.8 (1986-1993), CALIBRA A 2.0 I (1990-1997), CALIBRA A 2.0 I 16V (1990-1997), CARLTON 1.8 (1986-1994), CARLTON 2.0 (1986-1994), CAVALIER 2.0 I (1986-1988), CAVALIER 2.0 I 16V (1993-1995), CAVALIER 2.0 I 4X4 (1988-1995), CAVALIER MK 2.0 I TURBO 4X4 (1992-1995), FRONTERA A 2.0 I 4X4 SPORT (1992-1998), FRONTERA A 2.2 I 4X4 LONG (1995-1998), FRONTERA B 2.2 I (1995->), OMEGA 2.0 (1993-2000), OMEGA 2.0 16V (1993-1999), OMEGA 2.2 I 16V (1999-2004), SINTRA 2.2 I 16V (1996-1999), VECTRA B 1.8 I 16V (1995-2000), VECTRA B 2.0 I 16V (1995-2000), VECTRA B 2.2 I (1999-2001), VX 2.0 I TURBO 220 (2003->), ZAFIRA 2.0 TURBO 16V (2001->) **VOLKSWAGEN** GOL, GOLF 1.8, GOLF 1.8 II, GOLF 1.81.8 E III, LOGUS, LOGUS 1.6, LOGUS 1.8, LOGUS 2.0, LOGUS MI PARATI, PARATI 1.8, PARATI 2.0 MI, PARATI II, PARATI III, PASSAT (IMPORT) 2.0, POINTER 1.8, POINTER 2.0, POINTER I, POINTER MI, QUANTUM, QUANTUM 1.8, QUANTUM 2.0 MI, SANTANA, SAVEIRO 1.8 SAVEIRO 2.0 MI, SAVEIRO III 1.6, VAN 1.6 MI, VOYAGE

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0138	BOSCH - WAPSA		1006200121, 1006200153, 1006200161, 1006200206	36

Nº MOTOR DE PARTIDA
0001106012, 0001106017, 0001106022, 0001106023, 0001107056, 0001107075, 0001107079, 0001107088, 0001107100, 0001107101, 0001107108, 0051511101, 0051514701, 183, 248100D100, 2810002080, 281000D100, 2810016230, 7700115294 A0051511101, A0051514701, F000AL0101, F000AL0104, F000AL0106, F000AL0118, F000AL0121, F000AL0127, F000AL0158

APLICAÇÕES

CHEVROLET - GM VECTRA 2.0, VECTRA 2.2 16V **CITROEN** XSARA PICASSO 2.0 **FIAT** TIPO 1.6I.E **RENAULT** CLIO 2.0, ESPACE, KANGOO, LAGUNA 2.0 16V, MEGANE, SENIC 1.8, SENIC 2.0, TWINGO **TOYOTA** COROLLA 1.8I 16V

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0139	BOSCH - WAPSA			40

Nº MOTOR DE PARTIDA
F002G20720, F002G20727, F002G70007, F002G70022, F002G70092, F002G70156, F002G70205, F002G70276, F002G70344 F002G70353, F002G70370, F002G70407, F002G70450, F002G70458

APLICAÇÕES

FORD CARGO 1319, CARGO 1517, CARGO 1519, CARGO 1717, CARGO 1719, CARGO 1722, CARGO 1723, CARGO 2422, CARGO 2423, CARGO 2428, CARGO 2429, CARGO 2622, CARGO 2623, CARGO 2628, CARGO 2629, CARGO C1317

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0152	BOSCH - WAPSA			37

Nº MOTOR DE PARTIDA
0001170421

APLICAÇÕES

CHEVROLET-GM TRACKER 1.0 (2020-2021) **FIAT** ARGO, MOBI, UNO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0168	BOSCH - WAPSA			42

Nº MOTOR DE PARTIDA
0001107425, 0001107426, 0001107442, 0001107443, 0001107525, 0001107526

APLICAÇÕES

BMW 116 1.6 I (2003-2012), 118 2.0 I (2004-2012), 120 2.0 I (2003-2012), 316 1.6 G (1995-1997), 316 1.6 I (1988-1997), 316 1.6 I (2005-2011), 318 1.8 IS (1989-1995), 318 1.8 TI (1994-1995), 318 2.0 I (2005-2011), 320 2.0 I (2005-2011), 320 2.0 SI (2006), 518 1.8 I (1989-1996), 520 2.0 I (1989-1996), 520 2.0 I (2006-2009), 525 2.5 I (1989-1997), 525 2.5 IX 4X4 (1992-1997), X1 2.0 SDRIVE18I (2010), X3 2.0 I (2005), X3 2.0 I XDRIVE (2008), Z4 2.0 I (2005)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0170	BOSCH - WAPSA			53

Nº MOTOR DE PARTIDA
0001192091, 0001192622, F000C60001, F000C60004, F000C60005, F000C60300

APLICAÇÕES

CHEVROLET-GM ONIX 1.0 TURBO (2019->), TRACKER 1.0 TURBO (2019->) **FIAT** DOBLO 1.3 MPI 16V (2001-2006), FIORINO FURGAO 1.3 M (2003-2013), GRAND SIENA 1.4 FLEX (2012->), IDEA 1.4 FLEX (2005-2010), PALIO 1.0 MPI 16V (2000-2003), PALIO 1.0 MPI 8V (2000-2005), PALIO 1.0 MPI 8V FLEX (2005-2011), PALIO 1.2 MPI 16V (2003-2008), PALIO 1.3 MPI 16V (2000-2003), PALIO 1.3 MPI 8V (2002-2003), PALIO 1.3 MPI 8V FLEX (2003-2005), PALIO 1.4 FLEX (2011-2015), PALIO 1.4 MPI 8V FLEX (2005-2008), PALIO FIRE 1.0 MPI 8 (2002-2009), PALIO FIRE ECONOMY 1 (2010-2014), PALIO WEEKEND 1.0 MP (2000-2003), PALIO WEEKEND 1.3 MP (2000-2005), PALIO WEEKEND 1.4 MP (2005-2010), PUNTO 1.4 FLEX (2007-2010), SIENA 1.0 MPI 16V (2000-2003), SIENA 1.0 MPI 8V (2004-2005), SIENA 1.0 MPI 8V FLEX (2005-2012), SIENA 1.2 MPI 8V (2002-2007), SIENA 1.2 MPI 8V (2002-2007) FIAT: SIENA 1.3 MPI 16V (2000-2003), SIENA 1.3 MPI 16V (200-2003), SIENA 1.3 MPI 8V FLEX (2004-2012), SIENA 1.4 MPI 8V FLEX (2005-2010), SIENA 1.4 MPI 8V TETRAFUEL (2006-2012), SIENA FIRE 1.0 MPI 8 (2002-2012), STRADA 1.3 MPI 8V (2002-2005), STRADA 1.4 MPI 8V FL (2005-2008), STRADA FIRE 1.4 MPI (2006-2012), UNO FURGONETA 1.3 MP (2001-2008), UNO FURGONETA 1.3 MP (2004-2013), UNO MILLE ECONOMY 1 (2009-2013) **TOYOTA** COROLLA 2.0 (2015->)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0157	COMSTAR			42

Nº MOTOR DE PARTIDA
233004485R, 233006904R

APLICAÇÕES

RENAULT KWID 1.0, LOGAN, NOVA LINHA DUSTER, SANDERO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0063	DELCO-REMY	PG150S,PG260		50

Nº MOTOR DE PARTIDA
9000846, 9675379880, QDJ1236

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, S10, VECTRA - II (SOHC) 1.8, VECTRA - II (SOHC) 2.0, VECTRA - II (SOHC) 2.2 - 8V **CITROEN** C4 LOUNGE **PEUGEOT** 308, 408

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0064	DELCO-REMY	PG260	10452345,10504495, 10504514	50

Nº MOTOR DE PARTIDA
8000660P, 9000890, 9000891, 9000893, PG260B, PG260D

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, S10, VECTRA - II(DOHC) 2.0/2.2 16V, VECTRA - II(SOHC) 1.8/2.0/2.2 8V (<2001)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0065	DELCO-REMY	PG260	10475626,10475632	48

Nº MOTOR DE PARTIDA
10476598, 9000786, 9000798, 9000804, 9000805, 9000806, 9000812, 9000819, 9000820, 9000821, 9000822, 9000827, 9000834 9000835, 9000844, 9000850, 9000851, 9000853, 9000860, 9000861, 9000862, 9000863, 9000864, 9000866, 9000867, 9000899 9000900

APLICAÇÕES

CHEVROLET-GM BLAZER 4.3V6 **CLARK** EMPILHADEIRA C/ CGP25

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0066	DELCO-REMY	PG245		43

Nº MOTOR DE PARTIDA
CGP25

APLICAÇÕES

CHEVROLET OMEGA GL S 95-98, SUPREMA GL S 6CC 4.1 MPFI **CLARK** EMPILHADEIRA **MITSUBISHI** EMPILHADEIRA, PAJERO V6 GAS.

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0071	DELCO-REMY	PG260	10492410,10539148, 10450720	43

Nº MOTOR DE PARTIDA

10465421, 10465462, 10465463, 10465520, 10465523, 10465524, 10465525, 10465526, 10465547, 10465548, 10465549, 10465550, 10465558, 10465559, 10465560, 10465561, 10465577, 10465578, 10465579, 10465582, 10465587, 10465591, 10465606, 8000000, 8000012, 8000013, 8000014, 8000029, 8000037, 8000041, 8000046, 8000051, 8000052, 8000059, 8000061 8000072, 8000104, 8000106, 8000107, 8000108, 8000136, 8000152, 8000172, 8000173, 8000197, 8000198, 8000202, 8000210 8000211, 8000226, 8000230, 8000239, 8000257, 8000259, 8000282, 8000295, 8000382, 8000383, 8000396, 8000669, 8100000 8100002, 8100009, 8100011, 8100021, 8100034, 9000841, 9000842, 9000854, 9000857, 9000858, 9000870, 9000871, 9000872 9000873, 9000875, 9000876, 9000877, 9000879, 9000880, 9000881, 9000882, 9000884, 9000885, 9000886, 9000887, 9000889 9000890, 9000897, 9000904, 9000906, 9000910, 9000916, 9000918, 9000920, 9000921, 9000925, 9000927, 9000928, 9000929 9000937, 9000941, 9000957, 9000964, 9000968, 9000971, 9000972, 9000975, 9000979

APLICAÇÕES

CHEVROLET - GM BLAZER E S-10 C/ MOTOR VORTEC V6 4.3, SILVERADO 6.0 V8 (C/ MOTOR VORTEX) **CLARK** EMPILHADEIRAS **HYSTER** EMPILHADEIRAS **YALE** EMPILHADEIRAS

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0088	DELCO-REMY	PG150S,PG260	9000981	50

Nº MOTOR DE PARTIDA

9000846, 9675379880, QDJ1236

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, S10, VECTRA - II (SOHC) 1.8, VECTRA - II (SOHC) 2.0, VECTRA - II (SOHC) 2.2 - 8V **CITROEN** C4 LOUNGE **PEUGEOT** 308, 408

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0089	DELCO-REMY	PG260	10452345,10504495, 10504514	50

Nº MOTOR DE PARTIDA

8000660P, 9000890, 9000891, 9000893, PG260B, PG260D

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, S10, VECTRA - II(DOHC) 2.0/2.2 16V, VECTRA - II(SOHC) 1.8/2.0/2.2 8V (<2001)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0097	DELCO-REMY		10492410,10539148	43

Nº MOTOR DE PARTIDA

APLICAÇÕES

CHEVROLET-GM BLAZER, S10

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0181	DELCO-REMY			48

Nº MOTOR DE PARTIDA

361004A150, 8000534

APLICAÇÕES

HYUNDAI H1 2.5 (2008-2011), HR 2.5 (2012->) **KIA** BONGO K2500 2.5L TCI (2010->)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0151	DENSO			41

Nº MOTOR DE PARTIDA
04801839AB, 04801852AB, 428000-7200, 428000-7210, 4280009300, 428000-9300, 428000-9301, 51911199, 56029852AA, 56029852AB, 80023936, BC428000-8810, BC4280009391, BC4280009500, BC4380002590, BC4380003370, BC4380009500

APLICAÇÕES

CHRYSLER 300C V6 3.6L (2011-2015) **DODGE** CHALLENGER V6 3.6L (2011-2019), CHARGER V6 3.6L (2011-2018), DURANGO V6 3.6L (2011-2016), GRAND CARAVAN V6 3.6L, JOURNEY V6 3.6L, RAM 1500 3.6 V6 (2015-2016) **FIAT** GRAND SIENA, MOBI, PALIO, SIENA, TORO, UNO VIVACE **JEEP** GRAND CHEROKEE V6 3.6L (2010-2018), RENEGADE 1.8 FLEX, WRANGLER V6 3.6L (2012-2018)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0186	DENSO			31

Nº MOTOR DE PARTIDA
428000-1190

APLICAÇÕES

DODGE RAM 2500 5.9 (2003-2006), RAM 3500 5.9 (2003-2006), RAM 4000 5.9 (2003-2006).

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0006	DIVERSOS			

Nº MOTOR DE PARTIDA
0001223001, 0001223002, 0001223003, 0001223007, 0001223009, 0001223010, 0001223013, 0001223016, 0001223021, 0001223024, 48498717, 500307724, 504201467, 92901859, F002G20720, F002G70007, F002G70022, F002G70092, F002G70156, F002G70205, F002G70276, F002G70344, F002G70353, F002G70370, F002G70407, F002G70450, F002G70458

APLICAÇÕES

DIVERSAS FIAT, FORD, IVECO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0059	FORD / MOTORCRAFT			45

Nº MOTOR DE PARTIDA
6G9N11000AC, 96BB11000AA7119BI

APLICAÇÕES

FORD ESCORT, FIESTA, FOCUS 1.6/2.0 (2013-2018), KA, MONDEO

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0067	FORD / MOTORCRAFT		SM476	37

Nº MOTOR DE PARTIDA
F07U11000AA, F07UAA716A, F37U11131BA, F3TU11131AA

APLICAÇÕES

FORD ECOSPORT, EXPLORER V6 4.0 GAS., F1000, F-1000 (GAS.), F150, F4000, F-4000 4.9 L., RANGER V6 4.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0092	FORD / MOTORCRAFT			37

Nº MOTOR DE PARTIDA
F8TU-11.000DD9251-AI

APLICAÇÕES

FORD ECOSPORT., RANGER

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0093	FORD / MOTORCRAFT		SM476	37

Nº MOTOR DE PARTIDA
F07U11000AA, F07UAA716A, F37U11131BA, F3TU11131AA

APLICAÇÕES

FORD ECOSPORT, EXPLORER V6 4.0 GAS., F1000, F-1000 (GAS.), F150, F4000, F-4000 4.9 L., RANGER V6 4.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0185	JHAEM			40

Nº MOTOR DE PARTIDA
36100-03400, JM000A15001

APLICAÇÕES

HYUNDAI I10 1.2 (2008-2013), I20 1.2 (2008-2013) **KIA** PICANTO 1.0 (2004->), RIO (2011->)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0005	MITSUBISHI			

Nº MOTOR DE PARTIDA
`M8T62671, M008T55578, M008T55779, M008T61671`

APLICAÇÕES

IVECO 180 E 24 7.8 (2000-2004), 180 T 24 7.8 (2004-2006), 180 T 27 7.8 (2004-2006), 180 T 31 7.8 (2004-2006), 190 E 24 7.8 (2000-2004), 190 E 27 7.8 (2000-2003), 190 E 31 7.8 (2000-2004), 190 E 35 (2000-2004), 190 S 27 7.8 (2003-2006), 190 S 30 7.8 (2003-2006), 190 S 35 (2003-2006), 190 S 36 7.8 (2003-2006), 190 T 27 7.8 (2004-2006), 190 T 31 7.8 (2004-2006), 190 T 33 7.8 (2006->), 190 T 35 7.8 (2004-2006), 190 T 36 7.8 (2006->), 260 E 24 7.8 (2000-2003), 260 E 27 7.8 (2000-2004), 260 E 31 7.8 (2000-2004), 260 E 35 7.8 (2000-2004), 260 S 27 7.8 (2003-2006), 260 S 30 7.8 (2003-2006), 260 S 31 7.8 (2003-2006), 260 S 33 7.8 (2006->), 260 S 35 (2003-2006), 260 S 36 7.8 (2006->), 260 T 31 7.8 (2004-2006), 260 T 33 7.8 (2006->), 260 T 35 7.8 (2004-2006), 260 T 36 7.8 (2006->), 340 T 35 7.8 (2004-2006), 340 T 36 7.8 (2006->).
MAN SERIES 10, SERIES 12, SERIES 13, SERIES 15, SERIES 18, SERIES 26, SERIES 7, SERIES 8 **VOLKSWAGEN** 24.280, CONSTELLATION 17.280 **VOLVO** PENTA D4, PENTA D6

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0070	MITSUBISHI		M135X01571	42

Nº MOTOR DE PARTIDA
1250300, 36100-23060, 361003E020, 6E5T-11000-AB, 965631768003, M000T80081, M000T80381, M000T80881, M000T80981 M000T81081, M000T82081, M000T82081ZE, M000T88481ZC, M000T92581

APLICAÇÕES

CHEVROLET-GM MICRO ÔNIBUS VOLARE, S-10 **CITROEN** C4 PALLAS VTR, C5 2.0, PICASSO 2.0 16V (2004-2009) **DIVERSAS** NISSAN **FORD** FUSION 2.3 (2006-2010) **HYUNDAI** COUPE 1.6 16V (1998-2002), COUPE 1.6 I 16V (1996-2002), COUPE 2.0 (2002->), ELANTRA 1.8 (1998-2002), ELANTRA 2.0 (1999-2001), ELANTRA 2.0 GLS (2002-2003), ELANTRA 2.0 GT (2002-2003), HYUNDAI: COUPE 2.0 16V (1996-2002), LANTRA 1.6 (1995-2000), LANTRA 1.6 16V (1995-2000), LANTRA 1.8 16V (1995-2000), LANTRA 2.0 16V (1996-2000), MATRIX 1.8 (2001->), TIBURON 1.8 (1997), TIBURON 2.0 (1998-2001), TIBURON 2.0 FX (1997-1998) **KIA** CERATO 2.0 (2004->), RIO I 1.3 / 1.5 **MARCOPOLO** VOLARE **MAZDA**
323 VI 1.4 / 1.5 16V, 626 V 1.8 / 2.0, FP13-18-X56 MXSMIATA, MPV, MPV II 2.0 16V, MX-5 II 1.6I / 1.8I, PREMACY 1.8 / 2.0, PROTEGE **MERCURY** MILAN 2.3 (2006-2010) **MITSUBISHI** PAJERO 2.0
PEUGEOT 206, 306, 307, 407

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0073	MITSUBISHI			42

Nº MOTOR DE PARTIDA

APLICAÇÕES

HYSTER EMPILHADEIRA **RENAULT** EMPILHADEIRA

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0096	MITSUBISHI		M135X01571	42

Nº MOTOR DE PARTIDA

1250300, 36100-23060, 361003E020, 6E5T-11000-AB, 965631768003, M000T80081, M000T80381, M000T80881, M000T80981 M000T81081, M000T82081, M000T82081ZE, M000T88481ZC, M000T92581

APLICAÇÕES

CHEVROLET-GM MICRO ÔNIBUS VOLARE, S-10 **CITROEN** C4 PALLAS VTR, C5 2.0, PICASSO 2.0 16V (2004-2009) **DIVERSAS** NISSAN **FORD** FUSION 2.3 (2006-2010) **HYUNDAI** COUPE 1.6 16V (1998-2002), COUPE 1.6 I 16V (1996-2002), COUPE 2.0 (2002->), ELANTRA 1.8 (1998-2002), ELANTRA 2.0 (1999-2001), ELANTRA 2.0 GLS (2002-2003), ELANTRA 2.0 GT (2002-2003), HYUNDAI: COUPE 2.0 16V (1996-2002), LANTRA 1.6 (1995-2000), LANTRA 1.6 16V (1995-2000), LANTRA 1.8 16V (1995-2000), LANTRA 2.0 16V (1996-2000), MATRIX 1.8 (2001->), TIBURON 1.8 (1997), TIBURON 2.0 (1998-2001), TIBURON 2.0 FX (1997-1998) **KIA** CERATO 2.0 (2004->), RIO I 1.3 / 1.5 **MARCOPOLO** VOLARE **MAZDA** 323 VI 1.4 / 1.5 16V, 626 V 1.8 / 2.0, FP13-18-X56 MXSMIATA, MPV, MPV II 2.0 16V, MX-5 II 1.6I / 1.8I, PREMACY 1.8 / 2.0, PROTEGE **MERCURY** MILAN 2.3 (2006-2010) **MITSUBISHI** PAJERO 2.0 **PEUGEOT** 206, 306, 307, 407

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0100	MITSUBISHI			43

Nº MOTOR DE PARTIDA

20351, 20662, M001T79681, MD318086, MD320618

APLICAÇÕES

CATERPILLAR 4G64, MOTOR 4G63 **CHEVROLET** OMEGA **DIVERSAS** DAEWOO **EMPILHADEIRA CLARK** CGP25, CGP30 **EMPILHADEIRAS CLARK** CMP30 **MITSUBISH** FG25 **MITSUBISHI** EMPILHADEIRA, PAJERO V6

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0101	MITSUBISHI			44

Nº MOTOR DE PARTIDA

1810A062, 1810A143, M002T87171ZT, M002T87771, M1T72483, M1T72483ZC, M1T79481, M1T79482, M1T93071, M1T93071ZC, M1T93371, M1T93571, M2T80582, M2T84071, M2T84171, M2T84571, M2T85271, M2T85471, M2T86271, M2T87071, M2T87171, M2T87171ZT, M2T87271, M2T87271ZT, M2T87371, M2T87471, M2T87571, M2T87671, M2T87871, M2T87971, M2T88071, M2T88171, M2T88271, M2T88372, M2T88471, M2T88571, M2T88572, M2T88671, M2T88971, MD312857, MD312858, MD314167, MD315547, MD315548, MD331137, MD344183, MD348221

APLICAÇÕES

CHEVROLET-GM CRUZE 1.7 D (2012->), CRUZE 1.7 TD (2012->), S-10 C/ MOTOR MWM 2.8 SPRINT, TRAX 1.7 TD (2012->) **CHRYSLER** PT CRUISER 2.2 CRD (2005->), PT CRUISER 2.2 DIESEL (2002->), VOYAGER 2.5 CRD (2000->), VOYAGER 2.8 CRD (2004-2007), VOYAGER 2.8 CRDI (2007->) **CITROEN** JUMPER 2.5 DIESEL (1994-2002), JUMPER 2.5 TD (1994-2002), JUMPER 2.5 TDI (1996-2002) **DODGE** AVENGER 2.0 CRD (2007->), CALIBER 2.0 CRD (2006->), CARAVAN IV 2.8 CRD (2009->), DAKOTA 2.5 (1996-1998), GRAND CARAVAN 2.8 CRD (2008->) **FORD** RANGER 2.5 DIESEL (1999-2002), RANGER 2.5 TDDI (2005->) **HYUNDAI** GALLOPER 2.5 DIESEL INTERCOOLER (1998->), H-1 2.5 (2000-2005), H-1 2.5 CDI (2006-2007), H-1 2.5 CRDI STAREX (2006-2007), H-1 2.5 D (2000-2005), H-1 2.5 TD (1997-2007), H-1 2.5 TD 4WD (1998-2004), H100 2.5 DIESEL (1993-2000), H100 2.5 TD (1993-2000), H100 2.5 TD (2006->), H100 P 2.5 DIESEL (1993-1994), PORTER 2.5 TD (1994-2004), PORTER 2.5 TD (2002-2004), STAREX 2.5 TD (1997-2004), STAREX 2.5 TD 4WD (1997-2007) **JEEP** CHEROKEE 2.5 (1998-1998), CHEROKEE 2.5 I (1991-1996), CHEROKEE 2.5 SE (1994-1997), CHEROKEE 2.8 CRD KJ (2003->), COMPASS 2.0 CRD (2006->), GRAND CHEROKEE 2.7 CRD 4X4 (2001->), PATRIOT 2.0 CRD (2006->), WAGONEER 2.5 RIO GRANDE (1995-1995), WAGONEER 2.5 SE (1994-1997), WRANGLER 2.5 (1991-1998) **KIA** 2500 2.5 TCI (2003->), PREGIO 2.5 TCI (2001->) **MAZDA** 3 2.0 CD MRZ (2006->), 323 2.0 DIESEL (1996-2000), 323 2.0 TD (1998-2001), 323 F 2.0 TD (2001-2004), 323 S 2.0 DIESEL (2000-2002), 5 2.0 DIESEL DI (2005->), 6 2.0 CD MRZ (2007->), 6 2.0 CITD 4X4 (2002-2005), 6 2.0 DIESEL DI (2002-2005), 626 2.0 DIESEL (1998-2002), 626 2.0 TD (2000-2002), 626 2.0 TDDI (1998-2002), B 2500 2.5 DIESEL (1999-2002), B 2500 2.5 DIESEL 4WD (1998-2002), B 2500 2.5 TD 4WD (1999->), BT-50 2.5 DIESEL 4WD (2006->), E 2000 2.2 DIESEL (1997-1999), E 2000 2.2 DIESEL 4WD (1997-2001), E 2200 2.2 DIESEL (1997-2002), E 2200 2.2 DIESEL 4WD (1997-2001), MPV 2.0 DIESEL DI (2002->), MPV 2.5 TD (1996-1999), PREMACY 2.0 TD (1999-2000) **MITSUBISHI** CANTER 35 2.5 D (1992->), CHALLENGER 2.5 TD (2003->), COLT 1.8 DIESEL (1988-1992), COLT 1.8 DIESEL GLX (1988-1992), DELICA 2.3 D (1983-1986), GALANT 1.8 TURBO-D (1987-1992), GALANT 2.0 GLSTD (1992-1996), GALANT 2.0 TD (1992-

1996), GALANT 2.0 TDI (1996-2004), GALANT 2.3 TD (1980-1984), GALANT 2.3 TURBO-D (1980-1984), GRANDIS 2.0 DI-D (2005->), L 200 2.5 D (1986-1996), L 200 2.5 D 4WD (1987-1993), L 200 2.5 DI-D (2006-2007), L 200 2.5 DIESEL (1996-2007), L 200 2.5 TD 4WD (1992-2007), L 300 2.3 D (1983-1986), L 300 2.5 D (1986-2006), L 300 2.5 DIESEL (1986-2006), L 300 2.5 TD 4WD (1988->), L 400 2.5 TD 2500 (1996->), L 400 2.5 TD 2500 4WD (1996->), L200 2.5 D (1996-2001), L200 2.5 TD (2003-2006), L200 2.5 TD 4WD (1996-2007), LANCER 1.8 DIESEL (1986-1992), LANCER 2.0 D (1992-2003), LANCER 2.0 DI-D (2008->), MONTERO 2.5 TD (2003->), OUTLANDER 2.0 DI-D (2007->), PAJERO 2.3 TD (1982-1986), PAJERO 2.5 TD (1986-2001), PAJERO 2.5 TD SPORT (1998-2003), PAJERO 2.5 TDI (1998-2006), PAJERO 2.5 TDI (2000-2006), PAJERO PININ 2.0 GDI (2000->), PAJERO SPORT 2.5 TD (1998-2003), SPACE GEAR 2.5 TD (1995-2000), SPACE GEAR 2.5 TD (1996-2001), SPACE GEAR 2.5 TD 4WD (1995->), SPACE RUNNER 2.0 TD (1992-1999), SPACE WAGON 1.8 TD (1986-1998), SPACE WAGON 2.0 TD (1992-1998) **OPEL** ASTRA 1.7 GTC CDTI (2011->), ASTRA J 1.7 CDTI (2009-2012), ASTRA J 1.7 CDTI SPORTS TOURER (2010->), MERIVA B 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->) **PEUGEOT** 4X4 (1994-2002), 605 2.5 TD (1994-1999), BOXER 2.4 TDI (1996-2002), BOXER 2.5 DIESEL, BOXER 2.5 TDI (1997-2002), BOXER 2.5 TDI 4X4 (1996-2002) **PROTON** PERSONA 420 2.0 DIESEL (1996->) **RENAULT** MASTER 2.5 DIESEL (1997-2003), MASTER 2.8 DIESEL (1997-2003) **SUZUKI** GRAND VITARA 1.6 (1998->), JIMNY 1.3 16V (1998-2001), JIMNY 1.3 16V 4WD (1998-2001), SAMURAI 1.3 (1988->), SJ 413 1.3 (1984-1990), VITARA 1.6 (1988-1998), VITARA 1.6 16V (1991-1994), VITARA 1.6 I 4WD (1990-1999), X-90 1.6 I 16V (1995->) **TROLLER** T4 2.8 TD MWM 4 CC SPRINT (2001->) **VAUXHALL** ASTRA MK V 1.7 CDTI (2011->), ASTRA MK VI 1.7 CDTI (2012->), ASTRA MK VI GTC 1.7 CDTI (2011->), MERIVA MK II 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->), MOVANO 2.5 DIESEL (1998-2000), MOVANO 2.8 DTI (1998-2001)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0102	MITSUBISHI			44

Nº MOTOR DE PARTIDA

1810A062, 1810A143, M002T87171ZT, M002T87771, M1T72483, M1T72483ZC, M1T79481, M1T79482, M1T93071, M1T93071ZC, M1T93371, M1T93571, M2T80582, M2T84071, M2T84171, M2T84571, M2T85271, M2T85471, M2T86271, M2T87071, M2T87171, M2T87171ZT, M2T87271, M2T87271ZT, M2T87371, M2T87471, M2T87571, M2T87671, M2T87871, M2T87971, M2T88071, M2T88171, M2T88271, M2T88372, M2T88471, M2T88571, M2T88572, M2T88671, M2T88971, MD312857, MD312858, MD314167, MD315547, MD315548, MD331137, MD344183, MD348221

APLICAÇÕES

CHEVROLET-GM CRUZE 1.7 D (2012->), CRUZE 1.7 TD (2012->), S-10 C/ MOTOR MWM 2.8 SPRINT, TRAX 1.7 TD (2012->) **CHRYSLER** PT CRUISER 2.2 CRD (2005->), PT CRUISER 2.2 DIESEL (2002->), VOYAGER 2.5 CRD (2000->), VOYAGER 2.8 CRD (2004-2007) **CITROEN** JUMPER 2.5 DIESEL (1994-2002), JUMPER 2.5 TD (1994-2002), JUMPER 2.5 TDI (1996-2002) **DODGE** AVENGER 2.0 CRD (2007->), CALIBER 2.0 CRD (2006->), CARAVAN IV 2.8 CRD (2009->), DAKOTA 2.5 (1996-1998), GRAND CARAVAN 2.8 CRD (2008->) **FORD** RANGER 2.5 DIESEL (1999-2002), RANGER 2.5 TDDI (2005->) **HYUNDAI** GALLOPER 2.5 DIESEL INTERCOOLER (1998->), H-1 2.5 (2000-2005), H-1 2.5 CDI (2006-2007), H-1 2.5 CRDI STAREX (2006-2007), H-1 2.5 D (2000-2005), H-1 2.5 TD (1997-2007), H-1 2.5 TD 4WD (1998-2004), H100 2.5 DIESEL (1993-2000), H100 2.5 TD (1993-2000), H100 2.5 TD (2006->), H100 P 2.5 DIESEL (1993-1994), PORTER 2.5 TD (1994-2004), PORTER 2.5 TD (2002-2004), STAREX 2.5 TD (1997-2004), STAREX 2.5 TD 4WD (1997-2007) **JEEP** CHEROKEE 2.5 (1998-1998), CHEROKEE 2.5 I (1991-1996), CHEROKEE 2.5 SE (1994-1997), CHEROKEE 2.8 CRD KJ (2003->), COMPASS 2.0 CRD (2006->), GRAND CHEROKEE 2.7 CRD 4X4 (2001->), PATRIOT 2.0 CRD (2006->), WAGONEER 2.5 RIO GRANDE (1995-1995), WAGONEER 2.5 SE (1994-1997), WRANGLER 2.5 (1991-1998) **KIA** 2500 2.5 TCI (2003->), PREGIO 2.5 TCI (2001->) **MAZDA** 3 2.0 CD MRZ (2006->), 323 2.0 DIESEL (1996-2000), 323 2.0 TD (1998-2001), 323 F 2.0 TD (2001-2004), 323 S 2.0 DIESEL (2000-2002), 5 2.0 DIESEL DI (2005->), 6 2.0 CD MRZ (2007->), 6 2.0 CITD 4X4 (2002-2005), 6 2.0 DIESEL DI (2002-2005), 626 2.0 DIESEL (1998-2002), 626 2.0 TD (2000-2002), 626 2.0 TDDI (1998-2002), B 2500 2.5 DIESEL (1999-2002), B 2500 2.5 DIESEL 4WD (1998-2002), B 2500 2.5 TD 4WD (1999->), BT-50 2.5 DIESEL 4WD (2006->), E 2000 2.2 DIESEL (1997-1999), E 2000 2.2 DIESEL 4WD (1997-2001), E 2200 2.2 DIESEL (1997-2002), E 2200 2.2 DIESEL 4WD (1997-2001), MPV 2.0 DIESEL DI (2002->), MPV 2.5 TD (1996-1999), PREMACY 2.0 TD (1999-2000) **MITSUBISHI** CANTER 35 2.5 D (1992->), CHALLENGER 2.5 TD (2003->), COLT 1.8 DIESEL (1988-1992), COLT 1.8 DIESEL GLX (1988-1992), DELICA 2.3 D (1983-1986), GALANT 1.8 TURBO-D (1987-1992), GALANT 2.0 GLSTD (1992-1996), GALANT 2.0 TD (1992-1996), GALANT 2.0 TDI (1996-2004), GALANT 2.3 TD (1980-1984), GALANT 2.3 TURBO-D (1980-1984), GRANDIS 2.0 DI-D (2005->), L 200 2.5 D (1986-1996), L 200 2.5 D 4WD (1987-1993), L 200 2.5 DI-D (2006-2007), L 200 2.5 DIESEL (1996-2007), L 200 2.5 TD 4WD (1992-2007), L 300 2.3 D (1983-1986), L 300 2.5 D (1986-2006), L 300 2.5 DIESEL (1986-2006), L 300 2.5 TD 4WD (1988->), L 400 2.5 TD 2500 (1996->), L 400 2.5 TD 2500 4WD (1996->), L200 2.5 D (1996-2001), L200 2.5 TD (2003-2006), L200 2.5 TD 4WD (1996-2007), LANCER 1.8 DIESEL (1986-1992), LANCER 2.0 D (1992-2003), LANCER 2.0 DI-D (2008->), MONTERO 2.5 TD (2003->), OUTLANDER 2.0 DI-D (2007->), PAJERO 2.3 TD (1982-1986), PAJERO 2.5 TD (1986-2001), PAJERO 2.5 TD SPORT (1998-2003), PAJERO 2.5 TDI (1998-2006), PAJERO 2.5 TDI (2000-2006), PAJERO PININ 2.0 GDI (2000->), PAJERO SPORT 2.5 TD (1998-2003), SPACE GEAR 2.5 TD (1995-2000), SPACE GEAR 2.5 TD (1996-2001), SPACE GEAR 2.5 TD 4WD (1995->), SPACE RUNNER 2.0 TD (1992-1999), SPACE WAGON 1.8 TD (1986-1998), SPACE WAGON 2.0 TD (1992-1998) **OPEL** ASTRA 1.7 GTC CDTI (2011->), ASTRA J 1.7 CDTI (2009-2012), ASTRA J 1.7 CDTI SPORTS TOURER (2010->), MERIVA B 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->) **PEUGEOT** 4X4 (1994-2002), 605 2.5 TD (1994-1999), BOXER 2.4 TDI (1996-2002), BOXER 2.5 DIESEL, BOXER 2.5 TDI (1997-2002), BOXER 2.5 TDI 4X4 (1996-2002) **PROTON** PERSONA 420 2.0 DIESEL (1996->) **RENAULT** MASTER 2.5 DIESEL (1997-2003), MASTER 2.8 DIESEL (1997-2003) **SUZUKI** GRAND VITARA 1.6 (1998->), JIMNY 1.3 16V (1998-2001), JIMNY 1.3 16V 4WD (1998-2001), SAMURAI 1.3 (1988->), SJ 413 1.3 (1984-1990), VITARA 1.6 (1988-1998), VITARA 1.6 16V (1991-1994), VITARA 1.6 I 4WD (1990-1999), X-90 1.6 I 16V (1995->) **TROLLER** T4 2.8 TD MWM 4 CC SPRINT (2001->) **VAUXHALL** ASTRA MK V 1.7 CDTI (2011->), ASTRA MK VI 1.7 CDTI (2012->), ASTRA MK VI GTC 1.7 CDTI (2011->), MERIVA MK II 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->), MOVANO 2.5 DIESEL (1998-2000), MOVANO 2.8 DTI (1998-2001)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0103	MITSUBISHI	DW		

Nº MOTOR DE PARTIDA

1810A062, 1810A143, M001T79781, M002T87171ZT, M002T87771, M1T72483, M1T72483ZC, M1T79481, M1T79482, M1T93071, M1T93071ZC, M1T93371, M1T93571, M2T80582, M2T84071, M2T84171, M2T84571, M2T85271, M2T85471, M2T86271, M2T87071, M2T87171, M2T87171ZT, M2T87271, M2T87271ZT, M2T87371, M2T87471, M2T87571, M2T87671, M2T87871, M2T87971, M2T88071, M2T88171, M2T88271, M2T88372, M2T88471, M2T88571, M2T88572, M2T88671, M2T88971, MD312857, MD312858, MD314167, MD315547, MD315548, MD331137, MD344183, MD348221

APLICAÇÕES

CHEVROLET - GM CRUZE 1.7 D (2012->), CRUZE 1.7 TD (2012->), S-10 C/MOTOR MWM 2.8 SPRINT, TRAX 1.7 TD (2012->) **CHRYSLER** PT CRUISER 2.2 CRD (2005->), PT CRUISER 2.2 DIESEL (2002->), VOYAGER 2.5 CRD (2000->), VOYAGER 2.8 CRD (2004-2007) **CITROEN** JUMPER 2.5 DIESEL (1994-2002), JUMPER 2.5 TD (1994-2002), JUMPER 2.5 TDI (1996-2002) **CLARK** EMPILHADEIRA **DODGE** AVENGER 2.0 CRD (2007->), CALIBER 2.0 CRD (2006->), CARAVAN IV 2.8 CRD (2009->), DAKOTA 2.5 (1996-1998), GRAND CARAVAN 2.8 CRD (2008->) **FORD** RANGER 2.5 DIESEL (1999-2002), RANGER 2.5 TDDI (2005->) **HYSTER** EMPILHADEIRA **HYUNDAI** GALLOPER 2.5 DIESEL INTERCOOLER (1998->), H-1 2.5 (2000-2005), H-1 2.5 CDI (2006-2007), H-1 2.5 CRDI STAREX (2006-2007), H-1 2.5 D (2000-2005), H-1 2.5 TD (1997-2007), H-1 2.5 TD 4WD (1998-2004), H100 2.5 DIESEL (1993-2000), H100 2.5 TD (1993-2000), H100 2.5 TD (2006->), H100 P 2.5 DIESEL (1993-1994), PORTER 2.5 TD (1994-2004), PORTER 2.5 TD (2002-2004), STAREX 2.5 TD (1997-2004), STAREX 2.5 TD 4WD (1997-2007) **JEEP** CHEROKEE 2.5 (1998-1998), CHEROKEE 2.5 I (1991-1996), CHEROKEE 2.5 SE (1994-1997), CHEROKEE 2.8 CRD KJ (2003->), COMPASS 2.0 CRD (2006->), GRAND CHEROKEE 2.7 CRD 4X4 (2001->), PATRIOT 2.0 CRD (2006->), WAGONEER 2.5 RIO GRANDE (1995-1995), WAGONEER 2.5 SE (1994-1997), WRANGLER 2.5 (1991-1998) **KIA** 2500 2.5 TCI (2003->), PREGIO 2.5 TCI (2001->) **MAZDA**
3 2.0 CD MRZ (2006->), 323 2.0 DIESEL (1996-2000), 323 2.0 TD (1998-2001), 323 F 2.0 TD (2001-2004), 323 S 2.0 DIESEL (2000-2002), 5 2.0 DIESEL DI (2005->), 6 2.0 CD MRZ (2007->), 6 2.0 CITD 4X4 (2002-2005), 6 2.0 DIESEL DI (2002-2005), 626 2.0 DIESEL (1998-2002), 626 2.0 TD (2000-2002), 626 2.0 TDDI (1998-2002), B 2500 2.5 DIESEL (1999-2002), B 2500 2.5 DIESEL 4WD (1998-2002), B 2500 2.5 TD 4WD (1999->), BT-50 2.5 DIESEL 4WD (2006->), E 2000 2.2 DIESEL (1997-1999), E 2000 2.2 DIESEL 4WD (1997-2001), E 2200 2.2 DIESEL (1997-2002), E 2200 2.2 DIESEL 4WD (1997-2001), MPV 2.0 DIESEL DI (2002->), MPV 2.5 TD (1996-1999), PREMACY 2.0 TD (1999-2000) **MITSUBISHI** CANTER 35 2.5 D (1992->), CHALLENGER 2.5 TD (2003->), COLT 1.8 DIESEL (1988-1992), COLT 1.8 DIESEL GLX (1988-1992), DELICA 2.3 D (1983-1986), EMPILHADEIRA, GALANT 1.8 TURBO-D (1987-1992), GALANT 2.0 GLSTD (1992-1996), GALANT 2.0 TD (1992-1996), GALANT 2.0 TDI (1996-2004), GALANT 2.3 TD (1980-1984), GALANT 2.3 TURBO-D (1980-1984), GRANDIS 2.0 DI-D (2005->), L 200 2.5 D (1986-1996), L 200 2.5 D 4WD (1987-1993), L 200 2.5 DI-D (2006-2007), L 200 2.5 DIESEL (1996-2007), L 200 2.5 TD 4WD (1992-2007), L 300 2.3 D (1983-1986), L 300 2.5 DIESEL (1986-2006), L 300 2.5 TD 4WD (1988->), L 400 2.5 TD 2500 (1996->), L 400 2.5 TD 2500 4WD (1996->), L200 2.5 D (1996-2001), L200 2.5 TD (2003-2006), L200 2.5 TD 4WD (1996-2007), LANCER 1.8 DIESEL (1986-1992), LANCER 2.0 D (1992-2003), LANCER 2.0 DI-D (2008->), MONTERO 2.5 TD (2003->), OUTLANDER 2.0 DI-D (2007->), PAJERO 2.3 TD (1982-1986), PAJERO 2.5 TD (1986-2001), PAJERO 2.5 TD SPORT (1998-2003), PAJERO 2.5 TDI (1998-2006), PAJERO 2.5 TDI (2000-2006), PAJERO PININ 2.0 GDI (2000->), PAJERO SPORT 2.5 TD (1998-2003), SPACE GEAR 2.5 TD (1995-2000), SPACE GEAR 2.5 TD (1996-2001), SPACE GEAR 2.5 TD 4WD (1995->), SPACE RUNNER 2.0 TD (1992-1999), SPACE WAGON 1.8 TD (1986-1998), SPACE WAGON 2.0 TD (1992-1998) **OPEL** ASTRA 1.7 GTC CDTI (2011->), ASTRA J 1.7 CDTI (2009-2012), ASTRA J 1.7 CDTI SPORTS TOURER (2010->), MERIVA B 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->) **PEUGEOT** 4X4 (1994-2002), 605 2.5 TD (1994-1999), BOXER 2.4 TDI (1996-2002), BOXER 2.5 DIESEL, BOXER 2.5 TDI (1997-2002), BOXER 2.5 TDI 4X4 (1996-2002) **PROTON** PERSONA 420 2.0 DIESEL (1996->) **RENAULT** MASTER 2.5 DIESEL (1997-2003), MASTER 2.8 DIESEL (1997-2003) **SUZUKI** GRAND VITARA 1.6 (1998->), JIMNY 1.3 16V (1998-2001), JIMNY 1.3 16V 4WD (1998-2001), SAMURAI 1.3 (1988->), SJ 413 1.3 (1984-1990), VITARA 1.6 (1988-1998), VITARA 1.6 16V (1991-1994), VITARA 1.6 I 4WD (1990-1999), X-90 1.6 I 16V (1995->) **VAUXHALL**
ASTRA MK V 1.7 CDTI (2011->), ASTRA MK VI 1.7 CDTI (2012->), ASTRA MK VI GTC 1.7 CDTI (2011->), MERIVA MK II 1.7 CDTI (2010->), MOKKA 1.7 CDTI (2012->), MOVANO 2.5 DIESEL (1998-2000), MOVANO 2.8 DTI (1998-2001)

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0137	MITSUBISHI			44

Nº MOTOR DE PARTIDA

M008T55578, M008T55779, M008T61671, M8T62671

APLICAÇÕES

IVECO 180 E 24 7.8 (2000-2004), 180 T 24 7.8 (2004-2006), 180 T 27 7.8 (2004-2006), 180 T 31 7.8 (2004-2006), 190 E 24 7.8 (2000-2004), 190 E 27 7.8 (2000-2003), 190 E 31 7.8 (2000-2004), 190 E 35 (2000-2004), 190 S 27 7.8 (2003-2006), 190 S 30 7.8 (2003-2006), 190 S 35 (2003-2006), 190 S 36 7.8 (2003-2006), 190 T 27 7.8 (2004-2006), 190 T 31 7.8 (2004-2006), 190 T 33 7.8 (2006->), 190 T 35 7.8 (2004-2006), 190 T 36 7.8 (2006->), 260 E 24 7.8 (2000-2003), 260 E 27 7.8 (2000-2004), 260 E 31 7.8 (2000-2004), 260 E 35 7.8 (2000-2004), 260 S 27 7.8 (2003-2006), 260 S 30 7.8 (2003-2006), 260 S 31 7.8 (2003-2006), 260 S 33 7.8 (2006->), 260 S 35 (2003-2006), 260 S 36 7.8 (2006->), 260 T 31 7.8 (2004-2006), 260 T 33 7.8 (2006->), 260 T 35 7.8 (2004-2006), 260 T 36 7.8 (2006->), 340 T 35 7.8 (2004-2006), 340 T 36 7.8 (2006->). **MAN** SERIES 10, SERIES 12, SERIES 13, SERIES 15, SERIES 18, SERIES 26, SERIES 7, SERIES 8 **VOLKSWAGEN** 24.280, CONSTELLATION 17.280 **VOLVO** PENTA D4, PENTA D6

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0142	MITSUBISHI			44

Nº MOTOR DE PARTIDA
M008T55578, M008T55779, M008T61671, M8T62671

APLICAÇÕES

IVECO 180 E 24 7.8 (2000-2004), 180 T 24 7.8 (2004-2006), 180 T 27 7.8 (2004-2006), 180 T 31 7.8 (2004-2006), 190 E 24 7.8 (2000-2004), 190 E 27 7.8 (2000-2003), 190 E 31 7.8 (2000-2004), 190 E 35 (2000-2004), 190 S 27 7.8 (2003-2006), 190 S 30 7.8 (2003-2006), 190 S 35 (2003-2006), 190 S 36 7.8 (2003-2006), 190 T 27 7.8 (2004-2006), 190 T 31 7.8 (2004-2006), 190 T 33 7.8 (2006->), 190 T 35 7.8 (2004-2006), 190 T 36 7.8 (2006->), 260 E 24 7.8 (2000-2003), 260 E 27 7.8 (2000-2004), 260 E 31 7.8 (2000-2004), 260 E 35 7.8 (2000-2004), 260 S 27 7.8 (2003-2006), 260 S 30 7.8 (2003-2006), 260 S 31 7.8 (2003-2006), 260 S 33 7.8 (2006->), 260 S 35 (2003-2006), 260 S 36 7.8 (2006->), 260 T 31 7.8 (2004-2006), 260 T 33 7.8 (2006->), 260 T 35 7.8 (2004-2006), 260 T 36 7.8 (2006->), 340 T 35 7.8 (2004-2006), 340 T 36 7.8 (2006->). **MAN** SERIES 10, SERIES 12, SERIES 13, SERIES 15, SERIES 18, SERIES 26, SERIES 7, SERIES 8 **VOLKSWAGEN** 24.280, CONSTELLATION 17.280 **VOLVO** PENTA D4, PENTA D6

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0001	PRESTOLITE - LUCAS INDIEL			

Nº MOTOR DE PARTIDA
35259200, 35259240, 35259260, 35259290, 35259340, 35259360, 35259440, 35259450, 35259460, 35259500, 35259520, 35259550, 35259730, 35259770, 35259780, 35259810, 35259820, 35259830, 35259840, 35260830, 35260840, 35260870, 35260900, 35260910, 35261000, 35261050, 35261130, 35261135, 35261160, 35261185, 35261345, 35261385, 35261395, 35261445, 35261680, 35261690, 35261740, 35261770, 35261780, 35261900, 35262010, 35262020, 35262130, 35262190

APLICAÇÕES

AGRALE MARRUÁ MWM SPRINT 4.07 **CASE NEW HOLLAND** LÍNEA **CATERPILLAR** BLUE BIRD USA CAT 3126 7.2, BLUE BIRD USA CAT 3126 7.2 (OCP) **CUMMINS** ISB 02 5.8C, ISB 02 5.9 C, ISB 02 6CT 8.3C, ISB 02 6CTA 8.3C, ISB 02 8.3B, ISB 02 ELET. **DEUTZ** ÔNIBUS DEUTZ 1013 L6 **DIMEX** CAMINHÃO CUMMINS C **DON ROQUE** COLHEITADEIRA RV125, COLHEITADEIRA RV150H CUMMINS C8.3 **FORD** CARGO 2422, CARGO 2425, CARGO 2425 MIXER CUMMINS 6CTAA 8.3, CARGO 2630 CUMMINS 6CTAA 8.3, CARGO CAMINHÃO F650 CAT3126 7.2 (OCP), CUMMINS B 5.9 **FREIGHTLINER** NAVISTAR V8 7.3 **GRANDALL** TRATOR 4045 **INTERNACIONAL ENGINES** CAMINHÃO NAVISTAR DT446, CAMINHÃO NAVISTAR I6 7.6, DT-360 5.9, DT444E, NGV - V8 6.0, V8 7.3 **JOHN DEERE** 3029T 3 CIL. 2.9, 6081H 6 CIL. 8.12, 7820 6081H 6 CIL. COLHEITADEIRA, BULLDOZER 570, BULLDOZER 570 A 6 CIL., COMBINE 1550, TRATOR 1420, TRATOR 2330, TRATOR 2420, TRATOR 2530, TRATOR 2730, TRATOR 2850 6.359, TRATOR 3140 6.359, TRATOR 3350 6.359, TRATOR 3420, TRATOR 3530, TRATOR 3540 6.359, TRATOR 3550 6.359 4.239 D, TRATOR 4420, TRATOR 4530, TRATOR 5320N, TRATOR 5410 4045D 4 CIL.4.5, TRATOR 5520N 4045T 4 CIL. 4.5, TRATOR 5600 4039D 4 CIL. 3.9, TRATOR 5700 4039T 4 CIL. 3.9, TRATOR 6 CIL., TRATOR 6005, TRATOR 627, TRATOR 6300 4039T 4 CIL. 3.9, TRATOR 6600 6059T 6 CIL. 5.9, TRATOR 727 6 CIL., TRATOR 7505 **MERCEDES-BENZ** O371 6CIL., OF215 6CIL., ÔNIBUS 1214, ÔNIBUS 1414, ÔNIBUS 1418, ÔNIBUS 1614 CAIXA AUTOMÁTICA **MWN** 4 E 6CIL., SERIES 229 SERIES, SERIES X10 **TM EXITUS** GENESIS POWERSTAR, TM135, TM150, TM165, TM180, TS100, TS110, TS120 **VALTRA** TRATOR 785C MWM 3CIL, TRATOR BH140, TRATOR BH160, TRATOR BH180 SISU 6CIL., TRATOR BL77 SISU 3CIL., TRATOR BL88, TRATOR BM100, TRATOR BM110, TRATOR BM120 SISU 4CIL., TRATOR LIVIANO 685C, TRATOR PESADO 1280, TRATOR PESADO 1580, TRATOR PESADO 1780 MWM 6CIL. **VM** MWM SERIES 229 SERIES, MWM SERIES X10, VM17, VM23 **VM ÔNIBUS** MINIBUS CUMMINS 6B ELETRÔNICO 5.9, MWM 4 E 6CIL. **VOLKSWAGEN** 6CTAA 8, CAMINHÃO 23.220 CUMMINS, CAMINHÃO PESADO 17.220, TITAN 17.310, TITAN 18.310, TITAN 23.310, TITAN 26.310 **VOLVO** LÍNEA **ZANELLO** 180, PTRAC CUMMINS B 5.9 TRATOR 160

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0002	PRESTOLITE - LUCAS INDIEL			

Nº MOTOR DE PARTIDA
352.58.040, 352.58.490, 352.58.540, 352.58.580, 352.58.660, 352.58.690, 352.58.710, 352.58.820, 352.58.880, 352.58.940, 352.58.950, 352.58.960

APLICAÇÕES

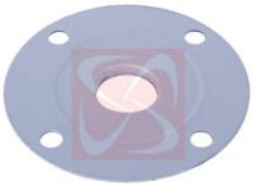
AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, PICK-UP D20, PICK-UP S10 C/ MOTORMAXION HS, SILVERADO **CUMMINS** MOTORES SÉRIES 6BT (DIANTEIRO), MOTORES SÉRIES B6 MOTORES SÉRIES BT5.9L **FORD** 1716, CARGO 1416, CARGO 1722, F-1000, F-14000 C/ MWM, RANGER **JOHN DEERE** TRATORES **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL **MAXION** MOTORES **MERCEDES-BENZ** 180 D, 180D- KOMBI ESPANHOLA, CAMINHÕES, ÔNIBUS, SPRINTER C/ MOTOR MAXION HS **PERKINS** MOTORES 3.152, MOTORES 4.203, MOTORES 4.236, MOTORES 6.354 **PEUGEOT** 504, 505, MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15-160

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0082	PRESTOLITE - LUCAS INDIEL	M93R	K01263,K01265,K21147	39

Nº MOTOR DE PARTIDA
352.58.040, 352.58.490, 352.58.540, 352.58.580, 352.58.660, 352.58.690, 352.58.710, 352.58.820, 352.58.880, 352.58.940, 352.58.950, 352.58.960

APLICAÇÕES

AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, C/ MOTOR MWM, PICK-UP D20, PICK-UP S10 C/ MOTORMAXION HS, SILVERADO **CUMMINS** MOTORES SÉRIES 6BT (DIANTEIRO), MOTORES SÉRIES B6, MOTORES SÉRIES BT5.9L **FORD** CARGO 1416, CARGO 1716, CARGO 1722, F-1000, F-14000 C/ MWM, RANGER **JOHN DEERE** TRATORES **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL **MAXION** MOTORES **MERCEDES-BENZ** 180D- KOMBI ESPANHOLA, CAMINHÕES, MB 180 D, ÔNIBUS, SPRINTER C/ MOTOR MAXION HS **PERKINS** MOTORES 3.152, MOTORES 4.203, MOTORES 4.236, MOTORES 6.354 **PEUGEOT** 504, 505, VÁRIOS C/ MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15-160



REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0095	PRESTOLITE - LUCAS INDIEL	M93R	K01263,K01265,K21147	

Nº MOTOR DE PARTIDA

352.58.040, 352.58.490, 352.58.540, 352.58.580, 352.58.660, 352.58.690, 352.58.710, 352.58.820, 352.58.880, 352.58.940, 352.58.950, 352.58.960

APLICAÇÕES

AGRALE ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, PICK-UP D20, PICK-UP S10 C/ MOTORMAXION HS, SILVERADO C/ MOTOR MWM **CUMMINS** MOTORES SÉRIES 6BT (DIANTEIRO) / B6 /BT5.9L **DIVERSAS** CAMINHÕES **FORD** CARGO 1416, CARGO 1716, CARGO 1722, F-1000, F-14000 C/ MWM, RANGER **JOHN DEERE** TRATORES **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL **MAXION** MOTORES **MERCEDES-BENZ** 180D- KOMBI ESPANHOLA, MB 180 D, ÔNIBUS, SPRINTER C/ MOTOR MAXION HS **PERKINS** MOTOR 3.152, MOTOR 4.203, MOTOR 4.236, MOTOR 6.354 **PEUGEOT** 504, 505, VÁRIOS C/ MOTOR INDENOR **VOLKSWAGEN** CAMINHÃO 15-160

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0104	PRESTOLITE - LUCAS INDIEL		K01189,K01256	48

Nº MOTOR DE PARTIDA

35259200, 35259240, 35259260, 35259290, 35259340, 35259360, 35259440, 35259450, 35259460, 35259500, 35259520, 35259550, 35259730, 35259770, 35259780, 35259810, 35259820, 35259830, 35259840, 35260830, 35260840, 35260870, 35260900, 35260910, 35261000, 35261050, 35261130, 35261135, 35261160, 35261185, 35261345, 35261385, 35261395, 35261445, 35261680, 35261690, 35261740, 35261770, 35261780, 35261900, 35262010, 35262020, 35262130, 35262190

APLICAÇÕES

AGRALE MARRUÁ MWM SPRINT 4.07 **CATERPILLAR** BLUE BIRD USA CAT 3126 7.2 /7.2 (OCP) **CUMMINS** 5.9 C, 6CT 8.3C, 6CTA 8.3C, ISB02 5.8C 8.3B/ELET. **DEUTZ** ÔNIBUS DEUTZ 1013 L6 **DIMEX** CAMINHÃO CUMMINS C **DIVERSAS** CASE, RV150H CUMMINS C8.3/ELECT **DON ROQUE** COLHEITADEIRA / COMBINE RV125 **FORD** 6.0, CAMINHÃO F650 CAT3126 7.2 (OCP), CARGO 2422 /2425 /2630 CUMMINS 6CTAA 8.3, CARGO 2425 MIXER CUMMINS 6CTAA 8.3, CUMMINS B 5.9, DT-360 5.9, DT444E, NGV - V8 6.0, V8 7.3 **FREIGHTLINER** NAVISTAR V8 7.3 **GRANDALL** TRATOR 4045 JOHN DEERE 4CIL. 4.5 **INTERNACIONAL ENGINES** CAMINHÃO NAVISTAR DT446 - I6 7.6 **JOHN DEERE** 3029T 3 CIL. 2.9, 5520N 4045T 4 CIL. 4.5, 6081H 6 CIL. 8.12, 7820 6081H 6 CIL. COLHEITADEIRA / COMBINE 1550, BULLDOZER 570/ 570 A 6 CIL., TRATOR 1420, TRATOR 2330, TRATOR 2420, TRATOR 2530, TRATOR 2730 TODOS 3 E 4 CIL., TRATOR 2850 6.359, TRATOR 3140 6.359, TRATOR 3350 6.359, TRATOR 3420, TRATOR 3530, TRATOR 3540 6.359, TRATOR 3550 6.359, TRATOR 4.239 D., TRATOR 4420, TRATOR 6 CIL. - 5410 4045D 4 CIL.4.5 - 5600 4039D 4 CIL. 3.9 - 5700 4039T 4 CIL. 3.9 - 6300 4039T 4, TRATOR 6005, TRATOR 627/ 727 6 CIL., TRATOR 7505 TODOS 6 CIL., TRATOR4530 **MBB** O371 6CIL., OF215 6CIL., ÔNIBUS 1214 /1414 /1418 /1614 CAIXA AUTOMÁTICA **MWN** 4 E 6CIL., SERIES X10 E 229 **NEW HOLLAND** LÍNEA **PAUNI** MINIBUS CUMMINS 4BT 3.9 **TM EXITUS** GENESIS POWERSTAR, TM135, TM150, TM150 TM EXITUS: TM165, TM180, TS100, TS110, TS120 **VALTRA** TRATOR BH140 /BH160 /BH180 SISU 6CIL., TRATOR BL77 SISU 3CIL., TRATOR BL88 /BM100 /BM110 /BM120 SISU 4CIL., TRATOR LIVIANO 685C /785C MWM 3CIL, TRATOR PESADO 1280 /1580 /1780 MWM 6CIL. **VM** VM17 /VM23 MWM SERIES X10 E 229 SERIES **VM ÔNIBUS** MINIBUS CUMMINS 6B ELETRÔNICO 5.9, MWM 4 E 6CIL. **VOLVO** LÍNEA **VW CAMINHÕES** 6CTAA 8 CAMINHÃO 23.220 CUMMINS, CAMINHÃO PESADO 17.220 /26.220 /26.260 CUMMINS 6CTAA 8.3, TITAN 17.310 /18.310 /23.310 /26.310 TODOS CUMMINS 6CTAA 8.3 **ZANELLO** PTRAC CUMMINS B 5.9, TRATOR 160 /180

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0111	PRESTOLITE - LUCAS INDIEL			

Nº MOTOR DE PARTIDA

35259200, 35259240, 35259260, 35259290, 35259340, 35259360, 35259440, 35259450, 35259460, 35259500, 35259520, 35259550, 35259730, 35259770, 35259780, 35259810, 35259820, 35259830, 35259840, 35260830, 35260840, 35260870, 35260900, 35260910, 35261000, 35261050, 35261130, 35261135, 35261160, 35261185, 35261345, 35261385, 35261395, 35261445, 35261680, 35261690, 35261740, 35261770, 35261780, 35261900, 35262010, 35262020, 35262130, 35262190

APLICAÇÕES

AGRALE MARRUÁ MWM SPRINT 4.07 **CASE NEW HOLLAND** GENESIS POWERSTAR, LÍNEA TM EXITUS TM135, TM150, TM165, TM180, TS100, TS110, TS120 **CATERPILLAR** BLUE BIRD USA CAT3126 7.2, BLUE BIRD USA CAT3126 7.2 (OCP) **CUMMINS** 5.9 C, 6CT 8.3C, 6CTA 8.3C, ISB02 5.8C 8.3B, ISB02 ELET. **DEUTZ** ÔNIBUS DEUTZ 1013 L6 **DIMEX** CAMINHÃO CUMMINS C **DON ROQUE** COLHEITADEIRA RV125, RV150H CUMMINS C8.3/ELECT **FORD** CAMINHÃO F650 CAT3126 7.2 (OCP), CARGO 2422, CARGO 2425, CARGO 2425 MIXER CUMMINS 6CTAA 8.3, CARGO 2630 CUMMINS 6CTAA 8.3, CUMMINS B 5.9 **FREIGHTLINER** NAVISTAR V8 7.3 **GRANDALL** TRATOR 4045 JOHN DEERE 4CIL. **INTERNACIONAL ENGINES** CAMINHÃO NAVISTAR DT446 I6 7.6, DT-360 5.9, DT-360 6.0, DT444E, DT444E V8 7.3, NGV V8 6.0 **JOHN DEERE** 6081H 6 CIL. 8.12, 7820 6081H 6 CIL. COLHEITADEIRA 1550, BULLDOZER 570, BULLDOZER 570 A 6 CIL, TRATOR 1420, TRATOR 2330 TRATOR 2420, TRATOR 2530, TRATOR 2730, TRATOR 2850 6.359, TRATOR 3 E 4 CIL, TRATOR 3029T 3 CIL. 2.9, TRATOR 3140 6.359, TRATOR 3350 6.359, TRATOR 3420, TRATOR 3530, TRATOR 3540 6.359 TRATOR 3550 6.359 4.239 D, TRATOR 4 CIL.4.5, TRATOR 4039D 4 CIL. 3.9, TRATOR 4039T 4 CIL. 3.9, TRATOR 4420, TRATOR 4530, TRATOR 5320N, TRATOR 5520N 4045T 4 CIL. 4.5, TRATOR 5600, TRATOR 5700, TRATOR 6 CIL, TRATOR 6 CIL 4045D, TRATOR 6 CIL 5410, TRATOR 6 CIL., TRATOR 6005, TRATOR 627, TRATOR 6300 4039T 4 CIL. 3.9, TRATOR 6600 6059T 6 CIL. 5.9, TRATOR 7505, TRATOR727 6 CIL **MB** O371 6CIL., OF215 6CIL., ÔNIBUS 1214, ÔNIBUS 1414, ÔNIBUS 1418, ÔNIBUS 1614 CAIXA AUTOMÁTICA **MWN** 4 E 6CIL., SERIES X10 E 229 SERIES **PAUNI** MINIBUS CUMMINS 4BT 3.9 **VALTRA** TRATOR BH140, TRATOR BH160, TRATOR BH180 SISU 6CIL., TRATOR BL77 SISU 3CIL., TRATOR BL88, TRATOR BM100, TRATOR BM110, TRATOR BM120 SISU 4CIL., TRATOR LIVIANO 685C, TRATOR LIVIANO 785C MWM 3CIL, TRATOR PESADO 1280, TRATOR PESADO 1580, TRATOR PESADO 1780 MWM 6CIL. **VM ÔNIBUS** MINIBUS CUMMINS 6B ELETRÔNICO 5.9, MWM 4 E 6CIL. **VOLVO** 229 SERIES, VM17, VM23 MWM SERIES X10 **VW CAMINHÕES** 6CTAA 8, CAMINHÃO 23.220 CUMMINS, CAMINHÃO PESADO 17.220, CAMINHÃO PESADO 26.220, CAMINHÃO PESADO 26.260, CAMINHÃO PESADO CUMMINS 6CTAA 8.3, TITAN 17.310, TITAN 18.310, TITAN 23.310, TITAN 26.310 TODOS CUMMINS 6CTAA 8.3 **ZANELLO** PTRAC CUMMINS B 5.9, TRATOR 160, TRATOR 180

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0135	PRESTOLITE - LUCAS INDIEL	M100R	K01497	

Nº MOTOR DE PARTIDA

35259200, 35259260, 35259290, 35259340, 35259360, 35259440, 35259450, 35259460, 35259500, 35259520, 35259550, 35259730, 35259770, 35259780, 35259810, 35259820, 35259830, 35259840, 35260830, 35260840, 35260870, 35260900, 35260910, 35261000, 35261050, 35261130, 35261160, 35261185, 35261345, 35261385, 35261680, 35261690, 35261900, 35262010

APLICAÇÕES

AGRALE MARRUÁ MWM SPRINT 4.07 **CATERPPILAR** BLUE BIRD USA CAT 3126 7.2, BLUE BIRD USA CAT 3126 7.2 (OCP) **CUMMINS** CUMMINS B, CUMMINS C 8.3, CUMMINS ISB02 5.8 **DIVERSAS** VOLVO **ENGINES** CAMINHÃO NAVISTAR DT444E, CAMINHÃO NAVISTAR DT446, CAMINHÃO NAVISTAR I6 7.6, CAMINHÃO NAVISTAR V8 7.3 - DT-360 5.9 **FORD** CARGO 2422, CARGO 2425, CARGO 2425 MIXER CUMMINS 6CTAA 8.3, CARGO 2630, CUMMINS 6CTAA 8.3 **FREIGHTLINER** NAVISTAR V8 7.3 **GRADALL** TRATOR 4045 JOHN DEERE 4 CIL. 4.5 **JOHN DEERE** 7820

6081H 6 CIL, CEIFEIRA 1550 6081H 6 CIL. 8.12, TRATOR 6 CIL. FORD: CUMMINS B 5.9 **LÍNEA VM** VM17 MWM SERIES X10 E 229 SERIES, VM23 MWM SERIES X10 E 229 SERIES **MBB** O371 6 CIL, OF215 6 CIL, ÔNIBUS 1214, ÔNIBUS 1414, ÔNIBUS 1418, ÔNIBUS 1614 CAIXA AUTOMÁTICA **MWM** 229 SERIES, 4 E 6 CIL, MWM SERIES X10 E **PAUNI** MINIBUS CUMMINS 4BT 3.9 **VALTRA** TRATOR BH140, TRATOR BH160, TRATOR BH180 SISU 6CIL, TRATOR BI88 SISU 4 CIL, TRATOR BL77 SISU 3CIL, TRATOR BM100, TRATOR BM120 SISU 4CIL, TRATOR LIVIANO 685C, TRATOR LIVIANO 785C MWM 3 CIL, TRATOR PESADO 1280, TRATOR PESADO 1580 MWM 6 CIL, TRATOR PESADO 1780 MWM 6 **VW ÔNIBUS** ÔNIBUS MWM 4 E 6 CIL.

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0147	PRESTOLITE - LUCAS INDIEL		35259959,K01212, 35258853,K21149, KJD08,KJD09, 35259859,K01219, 35259915,K01343, 35259952,K01221, K01284,35258669, K21147,1126600975	39

Nº MOTOR DE PARTIDA
35258040, 35258540, 35258580, 35258660, 35258690, 35258710, 35258820, 35258880, 35258940, 35258950, 35258960, 35258990, 35259000, 35259040, 35259050, 35259130, 35259210, 35259310, 35259380, 35259465, 35259480, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259870, 35259915, 35259952, 35260828, 35261020, 35261175

APLICAÇÕES

AGCO TRATOR 6 CIL **AGRALE** ÔNIBUS VOLARE **CHEVROLET-GM** BLAZER DLX, PICK-UP D-20, PICK-UP S-10 C/MOTOR MAXION HS, SILVERADO C/ MOTOR MWM **CUMMINS** 180D-KOMBI ESPANHOLA, MB 180D, MOTORES CUMMINS SÉRIE 4BT, MOTORES CUMMINS SÉRIE 6BT, MOTORES CUMMINS SÉRIE 6BTAA, MOTORES CUMMINS SÉRIE B, MOTORES SÉRIES 6BT DIMEX: ÔNIBUS, ÔNIBUS, SPRINTER MOTOR MAXION HS **DIVERSAS** MAXION, SHELHURST **FORD** CAMINHÕES, CAMINHÕES MOTORES CUMMINS, CARGO 1416, CARGO 1716, CARGO 1722, F-1000, F-14000 C/ MWM, PICK-UP F-100, POWER STROKE, RANGER **INDENOR** MOTORES 6.305, MOTORES 6.354 **JOHN DEERE** TRATORES **MASSEY-FERGUSON** TRATOR C/ MOTOR 4 CIL **MERCEDES-BENZ** ÔNIBUS 6CC **PERKINS** 3.152, 4.236, 6.354, MOTORES 4.203 **PEUGEOT** MOTOR INDENOR 504, MOTOR INDENOR 505 **VOLKSWAGEN** CAMINHÃO 15-160, CAMINHÕES MOTORES CUMMINS, G. IZQ. VW SUDÁFRICA

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0068	VALEO	D6RA	594609	37

Nº MOTOR DE PARTIDA
432623, 432631, 432633, 432636, 438089, 438145, 455958, 455975, 458163, D6RA185, D6RA187, D6RA188, D6RA84, D6RA85 D6RA87

APLICAÇÕES

CITROEN SAXO 1.0 /1.4, XANTIA 1.6 / 1.8I / 2.0I / 16V, XSARA 1.8 / 2.0 / 16 V **DIVERSAS** CHEVROLET-GM, SATURN **FIAT** 600 (SEICENTO) 0.9I, BRAVA 1.6I 16V, BRAVO 1.6I 16V, DOBLÒ 1.6I 16V, MAREA 1.6I 16V, PALIO 1.6I 16V, PALIO WEEKEND 1.6I 16V, SIENA 1.6I 16V, STILO 1.6I 16V **PEUGEOT** 106 1.0, 306 2.0, 405 1.6 / 1.8 / 1.9 / 2.0, 406 **RENAULT** TRAFIC

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0069	VALEO	D6RA		59

Nº MOTOR DE PARTIDA
432622, 438129, D6RA165, D6RA65

APLICAÇÕES

CHEVROLET-GM CORSA **DIVERSAS** PEUGEOT, SATURN **RENAULT** CLIO 1.8, KANGOO, LAGUNA 1.8, MÉGANE 2.0, SCÉNIC 2.0

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0113	VALEO	D7G11		59

Nº MOTOR DE PARTIDA
438170, D7G11

APLICAÇÕES

NISSAN INTERSTAR 2.2 DCI 90 (2002-2006), INTERSTAR 2.4 DCI 100 (2003-2006), INTERSTAR 2.4 DCI 120 (2002-2006), INTERSTAR 2.4 DCI 150 (2006->), INTERSTAR 2.5 DCI 100 (2003-2011), INTERSTAR 2.5 DCI 115 (2002-2006), INTERSTAR 2.5 DCI 120 (2002-2011), INTERSTAR 2.5 DCI 150 (2006-2011), PRIMASTAR 2.4 DCI 140 (2003->), PRIMASTAR 2.5 DCI 115 (2008->), PRIMASTAR 2.5 DCI 140 (2002-2006), PRIMASTAR 2.5 DCI 150 (2006->) **OPEL** MOVANO 2.2 DTI (2000->), MOVANO 2.5 CDTI (2003-2007), MOVANO 2.5 DTI (2001-2003), VIVARO 2.5 CDTI (2006->), VIVARO 2.5 DTI (2003->), VIVARO A 2.5 CDTI (2006->), VIVARO A 2.5 DTI (2003->) **RENAULT** AVANTIME 2.2 DCI (2002-2003), ESPACE 2.2 12V TD (1996-2000), ESPACE 2.2 D (1997-2000), ESPACE 2.2 DCI (2000-2006), LAGUNA 2.2 DCI

(2001-2007), LAGUNA 2.2 DCI GRANDTOUR (2001-2006), LAGUNA 2.2 DT (1996-2001), MASTER 2.2 DCI 90 (2000->), MASTER 2.5 DCI (2004-2010), MASTER 2.5 DCI 100 (2003->), MASTER 2.5 DCI 120 (2001->), SAFRANE 2.2 DT (1996-2000), TRAFIC 2.5 DCI (2007->), TRAFIC 2.5 DCI 115 (2001-2008), TRAFIC 2.5 DCI 145 (2006->), VEL SATIS 2.2 DCI (2002-2009) **VAUXHALL** MOVANO MK I 2.2 DTI (2000-2010), MOVANO MK I 2.5 CDTI (2001-2010), MOVANO MK I 2.5 DTI (2000-2010), VIVARO 2.0 CDTI (2006-2014), VIVARO 2.5 CDTI (2003-2014), VIVARO 2.5 DTI (2003-2014).

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0114	VALEO			56

Nº MOTOR DE PARTIDA
36100-42350, DSL3610042350, DSL42360, TM000A34101, TM000A36101, TM00A31201

APLICAÇÕES

FIAT DUCATO **HYUNDAI** ACCENT 1.5 CRDI, HR **KIA** BONGO, CEE´D 1.5, K2700, SORENTO 2.5 TURBO DIESEL **MERCEDES BENZ** SPRINTER 311, SPRINTER 313 CDI **RENAULT** MASTER **VOLKSWAGEN** AMAROK 2.0 TDI

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0115	VALEO			56

Nº MOTOR DE PARTIDA
233002654R, 2H0911023A, 2H0911023AX, 2H0911023C, 2H0911023F, 2H0911023G, 55564374, TS12ER15, TS12ER15M, TS22-32, TS22E20, TS22ER12, TS22ER13

APLICAÇÕES

GM BLAZER 2.8, S10 2.8 DIESEL (2012) **NISSAN** VIVARO 2.0 **RENAULT** MASTER LLL 2.3 DCI (2013), TRAFIC **VOLKSWAGEN** AMAROK 2.0 BI TURBO, AMAROK 2.0 TDI 122 CV, AMAROK TDI 180 CV

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0191	VALEO			46

Nº MOTOR DE PARTIDA
02M911021J, TSC10R6

APLICAÇÕES

AUDI A3 2.0 QUATTRO (2016->), A3 LIMOUSINE 2.0 QUATTRO (2016->), A3 SPORTBACK 2.0 QUATTRO (2016->), A4, Q3 1.4 TFSI (2016->) **SEAT** LEON 1.2 TSI (2014->), LEON 2.0 CUPRA (2015->), LEON ST 2.0 CUPRA (2015->), MII 1.0 (2011->) **SKODA** CITIGO 1.0 (2011->), OCTAVIA 1.6 (2014->) **VW** CROSS FOX MSI (2015->), CROSS UP TSI 1.0 (2014->), FOX 1.0 MSI (2014->), FOX 1.6 MSI (2014->), GOL 1.6 (2014->), GOLF 1.4 TSI (2014->), GOLF SPORTSVAN 1.6 (2014->), GOLF VII 1.2 TSI (2013->), JETTA 1.6 (2015->), LOAD UP 1.0 (2014->), MULTIVAN 2.0 TSI (2015->), NEW BEETLE 1.4 TSI (2014->), NEW BEETLE 2.0 TSI (2012->), NIVUS TSI VENTO 1.6 (2015->), POLO 1.0 (2014->), POLO 1.0 TSI (2014->), POLO 1.2 TSI (2014->), POLO 2.0 (2013->), SAVEIRO MSI 1.6 (2014->), SPACE FOX MSI 1.6 (2014->), TOURAN 2.0 TSI (2015->), TRANSPORTER 2.0 TSI (2015->), UP 1.0 (2014->), VIRTUS 1.6, VIRTUS TSI

REFERÊNCIA	FABRICANTE	TIPO ARRANQUE	Nº ORIGINAL	Nº DENTES
RP-0193	VALEO			47

Nº MOTOR DE PARTIDA
02T911021E, TSC10R7, VA495107

APLICAÇÕES

VW FOX (2003), GOL (2009), GOLF (2004), POLO (2003), SAVEIRO (2010), VOYAGE (2009)

SULCARBON

KITS DE BUCHAS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1214-STD	1 x SC2146-STD 1 x SC2147-STD	ARNO	

APLICAÇÕES

CHEVROLET-GM CARAVAN (LIMPADOR PARA BRISAS), D-20 (LIMPADOR PARA BRISAS), MONZA (LIMPADOR PARA BRISAS), OPALA (LIMPADOR PARA BRISAS)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0001-STD	3 x SC2022-STD	BOSCH - WAPSA	0001109300, 0001170243, 0001218011, 0001218122, 0001218159, 0001218168, 0001218171, 0001218174, 0001218177, 0.001.177.008, 02M911024R, 1200PPAA01, 1200PPAA02, 1200PPAA03, 1200PPAA51, 17816, 17844, 17870, 17959, 20151127, 31200-RAA-ARAA43, 31200PPA505, 31200-RAA-A51, 31200-RAA-ARM, 31200-RAA-RAA51, 52014723, 9000331432, 9000331433, SM612-05, SM612-063M, SM612-09, SM612-09SM612-10, SM7102

APLICAÇÕES

ACURA TSX 2.4L; **FIAT** ARGO, MOBI 1.0, NOVO UNO, TORO **HONDA** ACCORD 2.4L, CIVIC EX CR-V 2.4L ANO 2007 ATÉ 2013, CIVIC LX ANO 2007 ATÉ 2013 CR-V 2.4L, CIVIC SI CR-V 2.4L ANO 2007 ATÉ 2013, ELEMENT 2.4L LX, ELEMENT 2.4L EX **JEEP** RENEGADE FLEX 1.8

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0003-STD	1 x ROLAMENTO REF. HK-1010 1 x SC2072-STD	BOSCH - WAPSA	0001147404, A2789060600

APLICAÇÕES

MERCEDES BENZ CL 500 4.7, CL 63 5.5 AMG, CLS 500 4.7, CLS 500 4.7 4-MATIC, CLS 63 5.5 AMG, E 500 4.7, E 550 4.7, E 63 5.5 AMG, MOTORES START STOP CL500, S 500 4.7 CGI, S 500 4.7 CGI 4-MATIC, S 63 5.5 AMG, SL 500 4.7, SL 63 5.5 AMG, SLK55 5.5 AMG ANO 01/2010 ATÉ 01/2012

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0004-STD	1 x SC1871-STD 1 x SC3469-STD	BOSCH - WAPSA	0001177000, 0001177008, 0001177009, 02M911024R

APLICAÇÕES

VOLKSWAGEN BLUEMOTION 2013>, FOX 1.0/1.6 2013>, GOL RALLY 1.6 16V 2013>, GOLF 1.6 2013>, POLO 1.6 2013>, SAVEIRO CROSS 1.6 16V 2013>, UP 1.0 ANO 2013>, VOYAGE 1.6 16V 2013>

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0006-STD	3 x ROLAMENTO REF. HK0509	BOSCH - WAPSA	0001147404, 0.001.147.404, 0001139037, 0001147404, 0001170421, -022X, 02M911023M, 079-911-022, 458405, A2789060600, D6GS14, D6GS14M, F000AL0128, F000AL0136, F000AL0138, F000AL0157, F000AL0128, F000AL0136, F000AL0138, F000AL0157, MBEZA2789060600, TS14E42

APLICAÇÕES

FORD CAMINHÕES CARGO C 1215, CAMINHÕES CARGO C 1217, CAMINHÕES CARGO C 1415, CAMINHÕES CARGO C 1417, CAMINHÕES CARGO C 1421, CAMINHÕES CARGO C 1617, CAMINHÕES CARGO C 1621, CAMINHÕES CARGO C 1721, CAMINHÕES CARGO C 814, CAMINHÕES CARGO C 815, CAMINHÕES F 4000 **MERCEDES BENZ** CL 500 4.7 CL 63 5.5 AMG, CLS 500 4.7, CLS 500 4.7 4-MATIC, CLS 63 5.5 AMG, E 500 4.7, E 550 4.7;, E 63 5.5 AMG, S 500 4.7 CGI, S 500 4.7 CGI 4-MATIC, S 63 5.5 AMG, SL 500 4.7, SL 63 5.5 AMG, SLK 55 5.5 AMG; **TOYOTA** BANDEIRANTE **VOLKSWAGEN** CAMINHÕES 12.170 BT, CAMINHÕES 13.170, CAMINHÕES 13.190, CAMINHÕES 14.170 BT, CAMINHÕES 15.170, CAMINHÕES 15.190, CAMINHÕES 16.170 BT, CAMINHÕES 16.200, CAMINHÕES 17.210

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0008-STD	1 x SC1871-STD 1 x SC3035-STD 1 x SC3469-STD 1 x SC1909-STD	BOSCH - WAPSA	0.001.170.421, 520033809

APLICAÇÕES

FIAT ARGO 3CIL COM MOTOR FIREFLY ANO 2016>, MOBI 1.0 3CIL COM MOTOR FIREFLY ANO 2016>, NOVO UNO 3CIL COM MOTOR FIREFLY ANO 2016>

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0010-STD	1 x SC1101-STD 1 x SC3035-STD 1 x SC3011-STD 1 x SC3348-STD	BOSCH - WAPSA	F.000.G20.904;

APLICAÇÕES

FORD CARGO ELÉTRICO COM MOTOR CUMMINS 2010>

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0011-STD	1 x SC1871-STD 1 x SC3035-STD 1 x SC3469-STD 1 x SC1909-STD	BOSCH - WAPSA	0.001.170.243, 52014723

APLICAÇÕES

FIAT ARGO, MOBI 1.0, NOVO UNO, TORO **JEEP** RENEGADE FLEX 1.8

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0023-STD	1 x SC3460-STD 1 x SC2295-STD	BOSCH - WAPSA	F000CD0800

APLICAÇÕES

VOLKSWAGEN CROSSFOX, CROSSFOX (2005-2014), FOX (2003-2014), GOL, GOL (2008-2014), POLO (2002-2014), SPACEFOX (2006-2014), VOYAGE (2008-2014)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0080-STD	1 x SC082-STD 1 x SC014-STD 1 x SC1779-STD	BOSCH - WAPSA	FIAT:PALIO, FIAT:PALIOWEEKEND, FIAT:SIENA, FIAT:STRADA1.0E1.4FIRE, FORD:FIESTA1.0, FORD:FIESTA1.3, FORD:FIESTA1.4, VOLKSWAGEN:FUSCA, VOLKSWAGEN:KOMBI1.6AAR.(BOSCH:DM/EF)

APLICAÇÕES

DIVERSAS 0001107063, 0001108138, 0001108176, 0001112025, 0001112032, 0001112033, 0001112041, 0001116001, 9000081009, F000AL0103, F000AL0300, F000AL0305, F000AL0306, F000AL0307, F000AL0309, F000AL0310

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0173-STD	1 x SC1871-STD 1 x SC2203-STD 1 x SC2057-STD 1 x SC2056-STD	BOSCH - WAPSA	0001223024

APLICAÇÕES

DIVERSAS CAMINHÃO, VANS 3/4 **IVECO** DAILY 55C16

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0268-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC2056-STD 1 x ROLAMENTO REF. BK-1212	BOSCH - WAPSA	0001223010

APLICAÇÕES

DIVERSAS VOLARE **FORD** F-250 C/ MWM: 6 CIL. **MERCEDES-BENZ** SPRINTER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0300-STD	1 x SC1871-STD 1 x ROLAMENTO REF. HK-1010 1 x SC3008-STD 1 x SC3497-STD	BOSCH - WAPSA	0001107406, 0001107477, 0001107514

APLICAÇÕES

AUDI A3 1.9 TDI (2008->) **MERCEDES BENZ** 200 1.8 CGI (2002->), C 160 1.8 KOMPRESSOR (2005->), C 180 1.6 KOMPRESSOR (2008->), C 180 1.8 CGI (2007->), C 180 1.8 KOMPRESSOR (2002-2007), C 200 1.8 CGI (2007->), C 200 1.8 CGI KOMPRESSOR (2002->), C 200 1.8 KOMPRESSOR (2002-2007), C 220 1.8 (2002->), C 230 1.8 KOMPRESSOR (2004->), C 250 1.8 CGI (2009->), CLC 160 1.6 (2009->), CLC 180 1.8 KOMPRESSOR (2008->), CLK 200 1.8 KOMPRESSOR (2006-2008), CLK 200 2.0 CGI KOMPRESSOR (2003->), E 200 1.8 CGI (2002-2009), E 200 1.8 KOMPRESSOR (2002-2006), E 200 1.8 NGT (2002->), E 250 1.8 CGI (2009->), SLK 200 1.8 KOMPRESSOR (2004->) **RENAULT** CLIO 2.0 SPORT, DUSTER 2.0 16V HI-FLEX / HI-FLEX 4X4, ESPACE 2.0 / TURBO, FLUENCE 2.0 GT, LAGUNA 2.0 TCE GRANDTOUR / 2.0I 16V, MÉGANE 2.0 16V / CABRIO / GRANDTOUR 16V, SCÉNIC 2.0 16V / 2.0I 16V, TRAFIC 2.0 **TOYOTA** COROLLA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0315-STD	3 x SC3503-STD	BOSCH - WAPSA	0001107406, 0001107477, 0001107514, 0001121440

APLICAÇÕES

AUDI A31.9TDI(2008->) **FIAT** 1.6, 1.8, BRAVO, DOBLÒ1.8, GRANDSIENA1.6, IDEA1.4, IDEA1.6, IDEA1.8, LINEA, PALIO1.6, PALIO1.8, PALIOWEEKEND1.6, PUNTO1.4, SIENA1.6, STRADA1.6 **MBB** 2001.8CGI(2002->), C1601.8KOMPRESSOR(2005->), C1801.6KOMPRESSOR(2008->), C1801.8CGI(2007->), C1801.8KOMPRESSOR(2002-2007), C2001.8CGI(2007->), C2001.8CGIKOMPRESSOR(2002->), C2001.8KOMPRESSOR(2002-2007), C2201.8(2002->), C2301.8KOMPRESSOR(2004->), C2501.8CGI(2009->), CLC1601.6(2009->), CLC1801.8KOMPRESSOR(2008->), CLK2001.8KOMPRESSOR(2006-2008), CLK2002.0CGIKOMPRESSOR(2003->), E2001.8CGI(2002-2009), E2001.8KOMPRESSOR(2002-2006), E2001.8NGT(2002->), E2501.8CGI(2009->), SLK2001.8KOMPRESSOR(2004->) **TOYOTA** COROLLA1.8, COROLLA2.0

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0316-STD	1 x SC1871-STD 1 x SC3008-STD 1 x SC3497-STD 1 x ROLAMENTO REF. HK28,2X35, 2X14,8	BOSCH - WAPSA	0001121440

APLICAÇÕES

FIAT BRAVO, DOBLÒ1.8MPI16VFLEX, DOBLÒADV.LOCKER1.8MPI16VFLEX, GRANDSIENA1.6FLEX, IDEA1.4FLEX, IDEA1.616VFLEX, IDEA1.816VFLEX, IDEAADV.1.816VFLEX, LINEA, PALIO1.616VFLEX, PALIO1.6MPI16VFLEX, PALIOADV.1.816VFLEX, PALIOWEEKEND1.6FLEX, PUNTO1.4FLEX, PUNTO1.616VFLEX, PUNTO1.816VFLEX, SIENA1.6MPI16VFLEX STRADA1.6FLEX, STRADA1.8MPI16VFLEX, STRADAADV.1.8FLEX

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0320-STD	1 x SC1871-STD 1 x SC3035-STD 1 x SC3008-STD 1 x ROLAMENTO REF. HK28,2X35, 2X14,8	BOSCH - WAPSA	0001125625, 0001125626

APLICAÇÕES

TOYOTA HILUX 2.8, HILUX 2.8 SW4 D4D, HILUX 3.0 D

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0337-STD	1 x SC3460-STD 1 x ROLAMENTO REF. HK28,2X35, 2X14,8	BOSCH - WAPSA	F000CD0800

APLICAÇÕES

VOLKSWAGEN CROSSFOX(2005-2014), FOX(2003-2014), GOL(2008-2014), POLO(2002-2014), SPACEFOX(2006-2014), VOYAGE(2008-2014)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0340-STD	1 x SC3036-STD 1 x SC3497-STD	BOSCH - WAPSA	0001116003

APLICAÇÕES

CITROEN BERLINGO 1.1 I (1996-2008), BERLINGO 1.4 BIVALENT (2002-2011), BERLINGO 1.4 I (1996-2011), BERLINGO 1.4 I BIVALENTE (2003-2008), BERLINGO 1.6 16V (2000-2011), BERLINGO FIRST 1.1 I (1996-2008), C2 1.1 (2003->), C2 1.4 (2003->), C2 1.4 16V (2006->), C2 1.6 (2003->), C3 1.1 I (2002->), C3 1.4 16V (2003->), C3 1.4 I (2002->), C3 1.6 16V (2002->), C3 PLURIEL 1.4 (2003->), SAXO 1.0 X (1996-2003), SAXO 1.1 SX (1996-2003), SAXO 1.1 X (1996-2003), SAXO 1.4 VTS (1996-2003), SAXO 1.6 VTL (1996-2003), XSARA 1.4 I (1997-2005), XSARA 1.6 16V (2000-2005), XSARA 1.6 I (1997-2000), XSARA PICASSO 1.6 (1999->) **PEUGEOT** 106 1.0 I (1996-2001), 106 1.1 I (1996-2004), 106 1.4 I (1996-2004), 106 1.6 I (1996-2001), 106 1.6 S16 (1996-2004), 206 1.1 I (1998->), 206 1.4 (2007->), 206 1.4 16V (2003->), 206 1.4 I (1998->), 206 1.6 16V (2000->), 206 1.6 I (1998-2000), 206 SW 1.1 (2002->), 206 SW 1.4 (2002-2007), 206 SW 1.6 16V (2002->), 306 1.1 (1993-2001), 306 1.4 (1993-2001), 306 1.4 SL (1994-2001), 306 1.4 SL (1994-2001) PEUGEOT: 306 1.6 (1993-2002), 306 1.6 SR (1994-2000), 307 1.4 (2000->), 307 1.4 16V (2003-2007), 307 1.6 16V (2000-2007), 307 SW 1.6 16V (2002-2008), PARTNER 1.1 (1996-2005), PARTNER 1.1 COMBISPACE (1996-2002), PARTNER 1.4 (1996-2015), PARTNER 1.4 COMBISPACE (1996-2015), PARTNER 1.6 16V COMBISPACE (2001-2008)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1194-2X **KIT SC1194-STD**	1 x SC3035-STD 1 x SC3005-STD	BOSCH - WAPSA	

APLICAÇÕES

VOLKSWAGEN LOGUS, POINTER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1195-2X **KIT SC1195-3X** **KIT SC1195-STD**	1 x SC085-STD 1 x SC084-STD	BOSCH - WAPSA	9000453004, 9000453006, 9000453009, 9000453012, 9000453014, 9000453016, 9000453017, 9000453019, 9000453027, 9000453033, 9000453041, 9000453043, 9000453046, 9000453049, 9000453051, 9000453052, 9000453053, 9000453054, 9000453062, MP.B.1, MP.B.1MP.B.11, MP.B.27 MP.B.3, MP.B.30, MP.B.31, MP.B.33, MP.B.42, MP.B.47, MP.B.5, MP.B.59, MP.B.60, MP.B.61, MP.B.8

APLICAÇÕES

CASE PÁ CARREGADEIRA W-7 COM PERKINS 6CIL, RETROESCAVADEIRA 580CK, RETROESCAVADEIRA 580E, RETROESCAVADEIRA 580H **CBT** TRATOR 1090 C/ PERKINS 6CIL. APÓS 1971, TRATOR 1100 C/ PERKINS 6CIL. APÓS 1971 **CHRYSLER-DODGE** CAMINHÕES 1400 TD 6×4 MWM, CAMINHÕES 950, CAMINHÕES D750, CAMINHÕES P400 COM PERKINS, CAMINHÕES P700 COM PERKINS **CLARK** EMPILHADEIRA 50, EMPILHADEIRA 60, EMPILHADEIRA C300, EMPILHADEIRA CHY 100, EMPILHADEIRA CHY 120, EMPILHADEIRA CHY 140, EMPILHADEIRA CHY 60, EMPILHADEIRA CHY 70, EMPILHADEIRA CHY 80, EMPILHADEIRA HY 40, TRATOR MICHIGAN 11, TRATOR MICHIGAN 111, TRATOR MICHIGAN 75A **EATON** EMPILHADEIRA D83C APÓS 1971, EMPILHADEIRA D83P APÓS 1971, EMPILHADEIRA D87P APÓS 1971, EMPILHADEIRA GL83C, EMPILHADEIRA GL83P, EMPILHADEIRA GL87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A **FORD** CAMINHÃO 11000 COM MWM APÓS 1971, CAMINHÃO 12000 C/ PERKINS APÓS 1971, CAMINHÃO 13333 C/ PERKINS APÓS 1971, CAMINHÃO 2000 COM MWM APÓS 1971, CAMINHÃO 4000 COM MWM APÓS 1971, CAMINHÃO 7000 COM MWM APÓS 1971, CAMINHÃO F1000 COM MWM APÓS 1971, CAMINHÃO F11000 C/ PERKINS APÓS 1971, CAMINHÕES F4000 C/ MOTOR FORD APÓS 1971, CARGO C1218 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.), CARGO C1415 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.), CARGO C1418 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.), CARGO C1618 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.), CARGO F11000 COM MOTOR PERKINS 6CC, CARGO F12000 COM MOTOR PERKINS 6CC, CARGO F13333 (PERKINS 6 CIL.), CARGO F14000 COM MOTOR PERKINS 6CC, CARGO F4000 COM MOTOR FORD A DIESEL DE 4CC **FORD-NEW HOLLAND** TRATOR 4600 APÓS 1971, TRATOR 5000 APÓS 1971, TRATOR 6600 APÓS 1971 **GM-CAMINHÕES** CAMINHÃO DIESEL COM PERKINS 6CIL APÓS 1971, CAMINHÕES PICK-UP DIESEL COM PERKINS 4CIL. APÓS 1971, DIESEL COM DETROIT **HYSTER** EMPILHADEIRA C/ PERKINS 4CIL EMPILHADEIRA C/ GM 4CIL **MASSEY FERGUSON** PLANTADORA E SEMEADORA 220, TRATORES 275, TRATORES 285, TRATORES 290, TRATORES 295, TRATORES 296, TRATORES MF 290, TRATORES MF 295, TRATORES MF 296, TRATORES MF 400**MAXION** COLHEDEIRA 220, TRATOR MF 275 TRATOR MF 285, TRATOR MF 290, TRATOR MF 295, TRATOR MF 296, TRATOR MF 85X, TRATOR MF 951, TRATOR MF 95X, TRATOR MF 95Y, TRATOR MF ALC**VALMET** TODOS COM MOTOR MWM **VOLKSWAGEN** CAMINHÕES 11.130 6×4 COM MWM, CAMINHÕES 13.130 6×4 COM MWM, CAMINHÕES 6.140 ÁLCOOL, CAMINHÕES 6.80 C/ PERKINS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1196-2X **KIT SC1196-3X** **KIT SC1196-STD**	1 x SC014-STD 1 x SC3025-STD	BOSCH - WAPSA	377911023G, 377911023P, 5ZO.911.023, 9000081010, F000AL0401, F000AL0402, F000AL0414, F.000.AL0.415

APLICAÇÕES

VOLKSWAGEN FOX 1.0, FOX1.6, GOL BOLINHA MI, PARATI MI, POLO 1.6 APÓS 05, SANTANA, SAVEIRO 1.6 TOTAL FLEX, SPACECROSS 1.6 TOTAL FLEX, SPACEFOX 1.6 TOTAL FLEX, VOYAGE 1.0 FLEX, VOYAGE 1.6 FLEX

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1197-2X **KIT SC1197-3X** **KIT SC1197-STD**	1 x SC067-STD 1 x SC089-STD 1 x SC090-STD	BOSCH - WAPSA	0.001.367.029, 0.001.368.302, 9.000.083.013, 9.000.083.027, 9.000.083.028, 9.000.083.031, 9.000.083.035, 9.000.083.036, 9.000.083.037, 9.000.083.038, 9.000.083.042, 9.000.083.043, 9.000.083.050, 9.000.083.053, 9.000.083.054, 9.000.083.055, 9.000.083.056, 9.000.083.058, 9.000.083.059, 9.000.083.061, 9.000.083.064, 9.000.083.065, 9.000.083.066, 9.000.083.067, 9.000.083.068, 9.000.083.069, 9.000.083.071, 9.000.083.072, 9.000.083.073, 9.000.083.074, 9.000.083.075, 9.000.083.076, 9.000.083.077, 9.000.083.082, 9.000.453.008, 9.000.453.072, 9.000.453.074, 9.000.453.075, 9.000.453.076, 9.000.453.079, 9.000.453.086, 9.000.453.088, 9.000.453.089, 9.000.453.090, 9.000.453.091

APLICAÇÕES

AGRALE 7500TD (TD229 EC-4) 09/94, CAMINHÕES 1600D (MWM-D229-3), CAMINHÕES 1800D (MWM-D229-4), CAMINHÕES 4500D (D229-3) 09/94 MOTOR MWM, CAMINHÕES 5000D (D229-3) 09/94, CAMINHÕES 6150 (TD229-6) 08/99, CAMINHÕES 7000D (D229-4), CAMINHÕES TX 1600 (MWM-D229-3) APÓS 01/85 **CASE** ESCAVADEIRA DE ESTEIRA 80CR (MWM-D229-6) **CBS** TRATOR 2080 (MBB-OM314) ATÉ 03/82, TRATOR 2105 (MBB-OM352) ATÉ 03/82 **DIVERSAS** ESCAVADEIRA DE RODAS 80P (MWM-D229-6) **FIAT** CAMINHÕES FIAT 120 (8360), CAMINHÕES FIAT 130 (CP-3), CAMINHÕES FIAT 140 (8360), CAMINHÕES FIAT 80, CAMINHÕES FIAT 80S (8340) **FORD** CAMINHÕES CARGO MODELOS 14115 TURBO, CAMINHÕES CARGO MODELOS 1416 TURBO, CAMINHÕES CARGO MODELOS 16117 **MASSEY FERGUSON** RATORES 400, TRATORES 235, TRATORES 250, TRATORES 265, TRATORES 285, TRATORES 290, TRATORES 296, TRATORES 50, TRATORES 55X, TRATORES 65XR, TRATORES 85X, TRATORES 95**MAXION** COLHEITADEIRA MF 1630 (PERK-A 4248) APÓS 11/8 **MERCEDES-BENZ** CAMINHÕES 1714K, CAMINHÕES 1717L, CAMINHÕES 1718K, CAMINHÕES 1720, CAMINHÕES 1723, CAMINHÕES L1620, CAMINHÕES L608D (OM314), CAMINHÕES LA1513, CAMINHÕES LS1518

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1199-2X **KIT SC1199-3X** **KIT SC1199-STD**	1 x SC093-STD 1 x SC094-STD 1 x SC095-STD	BOSCH - WAPSA	9.000.452.003, MPB.12, MWB.17, MWB.18

APLICAÇÕES

VOLKSWAGEN BRASILIA(GASOLINA E ÁLCOOL) APÓS 07/82, GOL, KOMBI COM MOTOR 1.6 DIESEL TODOS REFRIGERADOS A AR, SAVEIRO (GASOLINA E ÁLCOOL) APÓS 07/82, SAVEIRO COM MOTOR 1.6 DIESEL, SEDAN 1300, SEDAN 1500

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1201-STD	1 x SC1963-STD 1 x SC3035-STD 1 x SC080-STD 1 x SC3008-STD	BOSCH - WAPSA	0001107015, 0001107018, 0001107045, 0001107054, 0001107068, 0001108048, 053911023A, 053911023B, 058911023A, 058911023B, 195100503000, 605128470, 90512189, 90518627

APLICAÇÕES

ALFA ROMEO CARROS 164 2.0, CARROS 164 3.0, CARROS SPIDER 3.0 V6 12V **AUDI** CARROS 80 1.8, CARROS 80 2.0, CARROS A4 1.8, CARROS A6 2.0 **CHEVROLET - GM** CARROS ASTRA 2.0I 16V, CARROS OMEGA, CARROS VECTRA 2.0 16V, CARROS ZAFIRA 2.0I SFI 16V **OPEL** CARROS ASTRA 2.0I, CARROS CALIBRA 2.0I 16V **VOLKSWAGEN** CARROS GOL II 2.0 MI 16V, CARROS GOL III 1.6 MI, CARROS GOL III 1.8 MI, CARROS GOL III 2.0 MI, CARROS PARATI II 2.0I 16V, CARROS PASSAT 1.8, VARIANT

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1203-2X **KIT SC1203-3X** **KIT SC1203-STD**	1 x SC093-STD 1 x SC014-STD	BOSCH - WAPSA	0.001.208.517, 0.001.211.210, 0.001.211.219, 554911023B, 9.000.082.009, 9.000.082.025, 9.000.082.030, 9.000.082.032, 9.000.082.034, 9.000.082.035, 9.000.082.041, 9.000.082.042, 9.000.082.043, 9.000.082.045, 9.000.082.046, 9.000.082.051, 9.000.082.055, 9.000.082.062, 9.000.082.064, 9.000.082.065, 9.000.082.069, 9.000.082.072, 9.000.082.074, 9.000.082.076, 9.000.082.077, 9.000.082.078, ZBA911023A

APLICAÇÕES

FORD BELINA II ATÉ 1982, CORCEL, DEL-REY ATÉ 1982 **VOLKSWAGEN** BRASILIA 1.3(BK E BN) DE 10/74 ATÉ 12/81, BRASILIA 1.6 (BK E BN) DE 10/74 ATÉ 12/81, FUSCA, GOL 1.3 ATÉ 12/93 (ÁLCOOL E GASOLINA), GOL 1.5 ATÉ 12/93 (ÁLCOOL E GASOLINA), GOL1.6 ATÉ 12/93 (ÁLCOOL E GASOLINA), KOMBI 1.6 (ÁLCOOL E GASOLINA) DE 08/82 ATÉ 12/93 PASSAT

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1204-STD	1 x SC1963-STD 1 x SC3035-STD 1 x SC3008-STD 1 x SC3025-STD	BOSCH - WAPSA	0.001.125.048, 0001115007, 0001121001, 0001121003, 0001121006, 0001121007, 0001121008, 0001121009, 0001121010, 0001121011, 0001121015, 0001121016, 0001121017, 0001121018, 0001121026, 0001121028, 0001123001, 0001124011, 0001125001, 0001125002, 0001125003, 0001125006, 0001125007, 0001125008, 0001125011, 0001125012, 0001125013, 0001125031, 0001125039, F.000.AL0.502

APLICAÇÕES

VOLKSWAGEN PÓLO 1.0 16V, POLO 1.6, POLO 2.0, PÓLO SEDAN 2.0 APÓS 2002 (BBX), PÓLO SEDAN APÓS 2002 (ARA) **VOLVO** S80 2.8 T6 COM MOTOR B 6284 T, S80 2.9L COM MOTOR B 6304 S3

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1205-2X **KIT SC1205-STD**	1 x SC3035-STD 1 x SC093-STD	BOSCH - WAPSA	0001107003, 0001107004, 0001107005, 0001107006, 0001107022, 0001107023, 0001107025, 0001107026, 0001107094, 0001108043, 0001108044, 0001108060, 0001108076, 0001108077, 0001108096, 0001108097, 0001109001, 0001109002, 0001109006, 0001109007, 0001109017, 0001110031, 0001110032, 0001110061, 0001110062, 0001110069, 0001110070, 0001110084, 0001110085, 0001110086, 0001110087, 0001110118, 0001110119, 0001112010, 0001112011, 0001114009, 0001114010

APLICAÇÕES

VOLKSWAGEN GOL BOLA MI 1.6 (SEM AR) E GOL BOLA MI 1.8 (COM AR), PARATI, SANTANA, SAVEIRO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1209-2X **KIT SC1209-3X** **KIT SC1209-STD**	1 x SC004-STD 1 x SC008-STD	BOSCH - WAPSA	1.007.014.100, MF3, MP.MF312V22CV, MP3

APLICAÇÕES

MASSEY FERGUSON 65RX, TRATOR 50 ATÉ 1971, TRATOR 55X ATÉ 1971, TRATOR 65X ATÉ 1971, TRATOR MF 235 COM MOTOR 3.152 A, TRATOR MF 265 COM MOTOR D 4.203 A, TRATOR MF 295 COM MOTOR PERKINS 6.358 A, TRATOR MF 295/4 COM MOTOR PERKINS 6.358 A, TRATOR MF 296 COM MOTOR PERKINS 6.354-4 A, TRATOR MF 296/4 COM MOTOR PERKINS 6.354-4 A, TRATOR MF 65R ATÉ 1971, TRATOR MF250, TRATOR MF50X, TRATOR MF55X, TRATOR MF65X, TRATORES 55

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1211-STD	1 x SC1963-STD 1 x SC3005-STD 1 x SC3008-STD 1 x SC3025-STD	BOSCH - WAPSA	0001121402, 0001121403, 0001121408, 0001121409, 0001121410, 0001121411, 0001121412, 0001121413, 0001121418, 0001121419, 0001121420, 0001121421, 0001121422, 0001121423, 0001121427, 0001121428, 0001121435, 0001121443, 0001121444

APLICAÇÕES

FORD ESCORT 1.1 COM MOTOR GSG, FIESTA 1.0L COM MOTOR TLB, FIESTA 1.3I COM MOTOR J6C, FIESTA 1.3L COM MOTOR JBC, FIESTA 1.4I FLAIR FUN COM MOTOR CVH14 / PTE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1212-STD	1 x SC1101-STD 1 x SC2144-STD 1 x SC1261-STD 1 x SC3008-STD	BOSCH - WAPSA	9000331411

APLICAÇÕES

FIAT DUCATO **FORD** F250 **MERCEDES-BENZ** CAMINHÕES SPRINTER 310D 2.5 TURBO DIESEL COM MOTOR OM 014 A, CAMINHÕES SPRINTER 312D 2.5 TURBO DIESEL COM MOTOR OM 014 LA, CAMINHÕES SPRINTER 412D 2.5 TURBO DIESEL COM MOTOR OM 014 LA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1215-STD	1 x SC3005-STD 1 x SC067-STD 1 x SC1726-STD	BOSCH - WAPSA	0.001.362.046, 0.001.362.081, 0.001.368.001, 0.001.368.301

APLICAÇÕES

SCANIA SÉRIES BN, SÉRIES CN, SÉRIES F, SÉRIES K, SÉRIES L, SÉRIES N, SÉRIES S

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1216-STD	1 x SC2024-STD 1 x SC2072-STD 1 x SC1856-STD 1 x SC2056-STD	BOSCH - WAPSA	280000L071, 28100-0L070, 28100-0L071, F000AL0111, F000AL0153

APLICAÇÕES

MITSUBISHI L200 **TOYOTA** HILUX 2.5 DIESEL 2007>2010, HILUX 3.0 16V TURBO INTERCOOLER, HILUX 3.0 SW4 16V TURBO INTERCOOLER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1218-2X **KIT SC1218-STD**	1 x SC3035-STD 1 x SC014-STD	BOSCH - WAPSA	F.000.AL0.310

APLICAÇÕES

FIAT DOBLÔ EX 1.3I 16V FIRE COM MOTOR FIRE, FIORINO 1.3 MPI 8V FLEX FURGÃO ANO 2007, FIORINO 1.3 MPI 8V FURGÃO ANO 2003 ATÉ 2006, PALIO 1.0 8V COM MOTOR FIRE 178 ANO 2000, PALIO 1.0 MPI 16V COM MOTOR 178 D8.011 ANO 2000, PALIO 1.3 MPI 16V COM MOTOR 178 D6.011 ANO 2000, PALIO WEEKEND 1.0 8V COM MOTOR FIRE 178 ANO 2000, PALIO WEEKEND 1.0 MPI 16V COM MOTOR 178 D8.011 ANO 2000, PALIO WEEKEND 1.3 MPI 16V COM MOTOR 178 D6.011 ANO 2000, SIENA 1.0 MPI 16V COM MOTOR 178 D8.011 ANO 2000, SIENA 1.3 MPI 16V COM MOTOR 178 D6.011 ANO 2000, STRADA 1.0 8V COM MOTOR FIRE 178, STRADA COM MOTOR 1.3 16V FIRE 178 ANO 2000, UNO MILLE ECONOMY 1.0

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1221-STD	1 x SC1101-STD 1 x SC080-STD 1 x SC1261-STD 1 x SC3008-STD	BOSCH - WAPSA	9000331419

APLICAÇÕES

MERCEDES-BENZ FURGÃO, MB 100 D COM MOTOR OM 616.963, MB 180 D COM MOTOR 616, SPRINTER 310D, SPRINTER 312D, SPRINTER 412D

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1227-STD	3 x SC1902-STD	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS KIT PLANETÁRIA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1228-STD	1 x SC1871-STD 1 x SC2203-STD 1 x SC067-STD 1 x SC2081-STD	BOSCH - WAPSA	0001230003, 0001231002, 0001231033, 0001263019, A0051512001, A0051512201, RE506589

APLICAÇÕES

JOHN DEERE TRATOR 5090M **MERCEDES-BENZ** 2423 COM MOTOR OM 906 LA, 712C COM MOTOR OM 904LA, 915 OM915 A APÓS 02/98, ATEGO 1215 COM MOTOR OM 904 ATEGO 1215 COM MOTOR OM 904.922, ATEGO 1215 COM MOTOR OM 904.950, ATEGO 1218 COM MOTOR OM 900.913, ATEGO 1218 COM MOTOR OM 904.951, ATEGO1418 COM MOTOR OM 904 (EURO III), AXOR 1933 COM MOTOR OM 926LA(EURO III), L1218 OM904 LA - APÓS 07/01, O500R SÉRIE 9T 914 C/LO OM904LA - APÓS 10/98, SÉRIE 12T - 1215 C OM904 LA - APÓS 05/99, SÉRIE 7T - 712C OM904 LA - APÓS 10/98

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1232-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC067-STD 1 x SC2081-STD	BOSCH - WAPSA	0001231016, 0001262021, 100E17, 1231016, 4892338

APLICAÇÕES

IVECO CAMINHÕES EUROCARGO 100 E17, CAMINHÕES EUROCARGO 100 E18, CAMINHÕES EUROCARGO 100 E21, CAMINHÕES EUROCARGO 120 E17, CAMINHÕES EUROCARGO 140 E18, CAMINHÕES EUROCARGO 140 E24, CAMINHÕES EUROCARGO 150 E24, CAMINHÕES EUROCARGO 150 E28, CAMINHÕES EUROCARGO 180 E21, CAMINHÕES EUROCARGO 180 E24, CAMINHÕES EUROCARGO 180 E28, CAMINHÕES EUROCARGO 75 E12, CAMINHÕES EUROCARGO 75 E13, CAMINHÕES EUROCARGO 75 E14, CAMINHÕES EUROCARGO 75 E15, CAMINHÕES EUROCARGO 75 E17, CAMINHÕES EUROCARGO 75 E18, CAMINHÕES EUROCARGO 80 E15, CAMINHÕES EUROCARGO 80 E17, CAMINHÕES EUROCARGO 80 E18, CAMINHÕES EUROCARGO 80 E21, CAMINHÕES EUROCARGO 90 E17, CAMINHÕES EUROCARGO 90 E18, CAMINHÕES EUROCARGO 90 E21

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1237-STD	3 x SC1902-STD	BOSCH - WAPSA	

APLICAÇÕES

CHEVROLET-GM CELTA, CORSA, OMEGA, VECTRA **FIAT** DOBLO, PALIO, SIEN, STRADA, UNO **FORD** COURRIER, FIESTA **VOLKSWAGEN** GOL I, LOGUS, PARATI, POINTER, SANTANA, SAVEIRO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1241-STD	1 x SC1916-STD 1 x ROLAMENTO REF. HK-2216 1 x ROLAMENTO REF. 6202-2RS	BOSCH - WAPSA	0001370001, 0001370002, 0001371001, 9000453029, 9000453064, 9000453065, 9000453066, 9000453067, 9000453068, 9001453586, 9001453610, 9001453646, F000AL0801, F000AL1557, F000AL1561, F000AL1562, F000AL1574

APLICAÇÕES

FORD CAMINHÕES CARGO C 4030 **MERCEDES-BENZ** CAMINHÕES 1625 L, CAMINHÕES 1625 LS, CAMINHÕES 1630 LS, CAMINHÕES 1825 LG, CAMINHÕES 1935 LS, CAMINHÕES 1941 LS, CAMINHÕES 2325 L, CAMINHÕES 2325 LB, CAMINHÕES 2325 LK, CAMINHÕES 2635 L, ÔNIBUS O400 R, ÔNIBUS O400 RS, ÔNIBUS O400 RSD, ÔNIBUS O400 RSL, ÔNIBUS O400 UP, ÔNIBUS O400 UPA, ÔNIBUS OH1625 L, ÔNIBUS OH1628 L, ÔNIBUS OH1635 L, ÔNIBUS OHL1624 G, ÔNIBUS OHL1628, ÔNIBUS OHL1630, ÔNIBUS OHL1635

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1245-2X **KIT SC1245-3X** **KIT SC1245-STD**	1 x SC082-STD 1 x SC014-STD	BOSCH - WAPSA	0001107016, 0001107016;, 0001107016;, 9000082010, 9000082013, 9000082017, 9000082020, 9000082021, 9000082023, 9000082025, 9000082028, 9000082031, 9000082033, 9000082035, 9000082036, 9000082037, 9000082039, 9000082040, 9000082041, 9000082042, 9000082043, 9000082048, 9000082049, 9000082051, 9000082052, 9000082053, 9000082054, 9000082058, 9000082061, 9000082062, 9000082063, 9000082065, 9000082066, 9000082067, 9000082069, 9000082070, 9000082071, 9000082072, 9000082073, 9000082075, 9000082079, 9000082080, 9000082081, 9000082082, 9000082083, 9000082084, 9000082085, F000AL0304, F000AL0314

APLICAÇÕES

AGRALE SÉRIE 4000 MODELO 4100 MOTOR AGRALE-M90T 08/77, SÉRIE M. M70 08/77 Á 12/81, SÉRIE M. M85 08/77, SÉRIE M. M90 08/77, SÉRIE M. M93 ID 01/82, SÉRIE TX TX 1100 M790 01/82 Á 09/85 **ALFA ROMEO** 2300 B APÓS 10/83 ATÉ 12/87, 2300 B COM AR, 2300 B DE 09/82 ATÉ 09/83, 2300 D APÓS 10/83 Á 12/87, 2300 D DE 09/82 ATÉ 09/83, 2300 TI APÓS 10/83 ATÉ 12/87, 2300 TI DE 09/82 ATÉ 09/83 **ALGRALE** SÉRIE M. M80 08/77 **CBT** 2080 E 2105, 8060 4X4 OM 314 E OM 352) 10/76 - 12/78 - 01/84, SÉRIE 1000, SÉRIE 2000, SÉRIE 8000 (1065 E 1105 **CHEVROLET-GM** CELTA 1.0 MOTOR C10NE, CHEVETTE 1.4, CHEVETTE 1.6, CHEVETTE JUNIOR, CHEVY 1.6 ÁLCOOL, CHEVY 1.6 GASOLINA, CORSA 1.6 EFI B 16 NZ SOHC, IPANEMA 1.8, KADETT 1.8 ÁLCOOL, KADETT 1.8 GASOLINA, KADETT 2.0, MARAJÓ 1.4 ÁLCOOL, MARAJÓ 1.4 GASOLINA APÓS 02/81, MARAJÓ 1.4 GASOLINA DE 08/76 ATÉ 01/81, MARAJÓ 1.6, MONZA 1.6 ÁLCOOL, MONZA 1.6 GASOLINA, MONZA 1.8 ÁLCOOL, MONZA 1.8 GASOLINA, MONZA 2.0, MONZA 2.0I ÁLCOOL, MONZA 2.0I GASOLINA, MONZA COM TRASMISSÃO AUTOMÁTICA **CHRYSLER DODGE** DODGE 1800 POLARA **FIAT** 147, 147 APÓS 10/83, 147 ATÉ 04/82, 147 CITY, 147 EUROPA, 147C, DUNA 60, DUNA 60 WEEKEND, DUNA 70, DUNA 70 WEEKEND 10/86 Á 12/90, ELBA 1.3, ELBA 1.3 ÁLCOOL, ELBA 1.3 GASOLINA, ELBA 1.5, ELBA 1.5 ÁLCOOL, ELBA 1.5 ÁLCOOL ATÉ 06/89, ELBA 1.5 GASOLINA, ELBA 1.5 GASOLINA ATÉ 06/89, ELBA 1.6, ELBA 1.6 10/85, ELBA 1.6 ÁLCOOL, ELBA 1.6 GASOLINA, FIAT 147, FIORINO 1.5 ÁLCOOL, FIORINO 1.5 GASOLINA, FIORINO 1.6 ÁLCOOL, FIORINO 1.6 GASOLINA, FIORINO A GASOLINA APÓS 10/83, FIORINO ÁLCOOL APÓS 10/83, FIORINO ÁLCOOL ATÉ 04/82, FIORINO ÁLCOOL DE 04/82 ATÉ 05/83, FIORINO GASOLINA ATÉ 04/82, FIORINO GASOLINA DE 04/82 ATÉ 05/83, GLS, OGGI, PANORAMA, PANORAMA APÓS 10/83, PANORAMA ATÉ 04/82, PICK-UP, PRÊMIO (DUNA), PRÊMIO 1.3, PRÊMIO 1.3 ÁLCOOL, PRÊMIO 1.3 GASOLINA, PRÊMIO 1.5, PREMIO 1.5 ÁLCOOL, PRÊMIO 1.5 ÁLCOOL ATÉ 06/89, PRÊMIO 1.5 GASOLINA PRÊMIO 1.5 GASOLINA ATÉ 06/89, PRÊMIO 1.5 SPI, PRÊMIO 1.6, PRÊMIO 1.6 ÁLCOOL, PRÊMIO 1.6 GASOLINA, RALLY, SPAZIO, SPAZIO RACING, SPAZIO TR (127 A 01/79 ATÉ 12/79), TEMPRA, TEMPRA 16V, TEMPRA 16VFIAT: TEMPRA TURBO, TEMPRA 2.0 MPI 16V, TEMPRA 2.0 SPI 8V, TEMPRA TURBO MPI, TIPO 1.6 IE, TIPO 1.6 MPI, TIPO 1.6 SPI, UNO, UNO 1.5, UNO 1.5 ÁLCOOL, UNO 1.5 ÁLCOOL ATÉ 06/89, UNO 1.5 GASOLINA, UNO 1.5 GASOLINA ATÉ 06/89, UNO 1.5 SPI 06/01, UNO 1.6, UNO 1.6 ÁLCOOL, UNO 1.6 GASOLINA, UNO 1.6 MPI, UNO 1.6 SPI, UNO MILLE **FORD** ESCORT COM MOTOR ZETEC 1.8, MONDEO CLX, PICK-UP F100, PICK-UP F75 **GURGEL** SEDAN, SUPERMINI **LADA** LAIKA 1.5, LAIKA 1.6, NIVA 1.5, NIVA 1.6 **MOTOR TIETÊ** MOTOR ESTACIONÁRIO RD900 900L APÓS 06/81 ATÉ 08/82, MOTOR ESTACIONÁRIO RD900 900L ATÉ 05/81, MOTOR ESTACIONÁRIO RD950 950L APÓS 06/81 ATÉ 08/82, MOTOR ESTACIONÁRIO RD950 950L APÓS 09/82, MOTOR ESTACIONÁRIO RD950 950L ATÉ 05/81, MOTORES ESTACIONÁRIOS RD900 900L APÓS 09/82 **RENAULT** R18, TRAFIC 2.2 (J6R) **YANMAR** MICROTRATOR TC11, MICROTRATOR TC11 SUPER (NS11)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1246-2X **KIT SC1246-3X** **KIT SC1246-STD**	1 x SC093-STD 1 x SC094-STD	BOSCH - WAPSA	9.000.451.011, MP.B.19, MP.B.25;, MWB19

APLICAÇÕES

FORD ESCORT, PAMPA; **VOLKSWAGEN** GOL1.6 COM MOTOR A ÁLCOOL REFRIGERADO A ÁGUA, GOL1.6 COM MOTOR A GASOLINA REFRIGERADO A ÁGUA, PARATI COM MOTOR 1.6 ÁLCOOL REFRIGERADO A ÁGUA, PARATI COM MOTOR 1.6 GASOLINA REFRIGERADO A ÁGUA, PASSAT1.6L COM MOTOR A ÁLCOOL REFRIGERADO A ÁGUA, PASSAT1.6L COM MOTOR A GASOLINA REFRIGERADO A ÁGUA, SAVEIRO COM MOTOR 1.6 GASOLINA REFRIGERADO A ÁGUA, SAVEIROCOM MOTOR 1.6 ÁLCOOL REFRIGERADO A ÁGUA, VOYAGE1.6 COM MOTOR A ÁLCOOL REFRIGERADO A ÁGUA, VOYAGE1.6 COM MOTOR A GASOLINA REFRIGERADO A ÁGUA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1247-2X **KIT SC1247-3X** **KIT SC1247-STD**	2 x SC067-STD 1 x SC068-STD	BOSCH - WAPSA	0.001.358.030, 9.000.082.020, 9.000.083.000, 9.000.083.001, 9.000.083.004, 9.000.083.011, 9.000.083.014, 9.000.083.015, 9.000.083.016, 9.000.083.018, 9.000.083.024, 9.000.083.029, 9.000.083.030, 9.000.301.000;

APLICAÇÕES

AGRALE TX 1600 (MWM-D229-3) ATÉ 12/94 **BRASITÁLIA** TRATOR 300C, TRATOR 400 **CASE** COLHETADEIRA 960, PÁ CARREGADEIRA W-20 COM MBB **CBT** TRATOR 1105(MBB-OM352) ATÉ 09/76 **CHRYSLER DODGE** CAMINÃO 400, CAMINHÃO 700, CAMINHÃO D100, CAMINHÃO D950 COM MWM ATÉ 07/77, CHERGER, DODGE DART, GRAN COUPE, SE, SEDAN **CLARK** GUINDASTE COM MBB, TRATOR 65R, TRATOR 75II ATÉ 09/76, TRATOR MICHIGAN 55A **FIAT** CAMINHÃO FIAT 100 CO-3 VARIANT 36, CAMINHÃO FIAT 130 CP-3, CAMINHÃO FIAT 70 C 03, CAMINHÃO FIAT C 03-36 **J. I. CASE** CHASSI PARA ÔNIBUS OF, CHASSI PARA ÔNIBUS OH 1316 OM352A DE 04/75 ATÉ 76, TRATOR W20 (MBB-OM352) DE 04/75 ATÉ 09/76 **KOMATSU** TRATOR D50 A MBB-OM352 **MALVES** MOTONIVELADORA MD120, TRATOR MD700 **MASSEY FERGUSON** PLANTADORA SÉRIE 210, PLANTADORA SÉRIE 310, SEMEADORA SÉRIE 210, SEMEADORA SÉRIE 310, TRATOR 235, TRATOR 250, TRATOR 265, TRATOR 285, TRATOR 50, TRATOR 55X, TRATOR 65XR, TRATOR 85X, TRATOR 95, TRATOR MF235 COM MOTOR PERKINS A 3152 **MAXION** TRATOR 9110, TRATOR 9130, TRATOR 9150, TRATOR 917 PERK-A 6354-4, TRATOR 917 PERK-AT 6354-4, TRATOR MF 235 (PERK-A 3152) ATÉ 12/86, TRATOR MF 295, TRATOR MF 295/4 PERK-A 6354 APÓS 11/83, TRATOR MF 295/4 PERK-A 6358, TRATOR MF 400 (PERK-A 6358) **MERCEDES BENZ** CAMINHÃO 1013, CAMINHÃO 1016, CAMINHÃO 1113, CAMINHÃO 1313, CAMINHÃO 1316, CAMINHÃO 1513, CAMINHÃO 1516, CAMINHÃO 2213 OM352, CAMINHÃO 2216 OM352A DE 04/75 ATÉ 09/76, CAMINHÃO L 608D OM314, CHASSI PARA ÔNIBUS 1313 OM352 DE 04/75 ATÉ 09/76, CHASSI PARA ÔNIBUS OF, CHASSI PARA ÔNIBUS OH 1113, MOTOR, MOTOR ESTACIONÁRIO, MOTOR ESTACIONÁRIO OM 314 ATÉ 09/76, MOTOR GERADOR, MOTOR GERADOR OM 314 ATÉ 09/76, MOTOR INDUSTRIAL, MOTOR INDUSTRIAL OM 314 ATÉ 09/76, MOTOR MARÍTIMO OM 314 ATÉ 09/76, MOTOR MARÍTIMO OM 352, MOTOR MARÍTIMO OM 352A DE 04/75 ATÉ 09/76 ÔNIBUS 362 COM MOTORES OM352 **MULLER** ESCAVADEIRA HIDRÁULICA - DRAGA, ESCAVADEIRA HIDRÁULICA (MWM - AP E VP), ROLO AP 21 E ROLO VP ATÉ 09/76, ROLO COMPACTADOR RT 62/82H (MWM - AP E VP), ROLO COMPACTADOR RT 62/82H DRAGA, ROLO COMPACTADOR RT 62/82H TODOS COM MWM **MWM** MOTOR 6 CILINDROS, MOTOR D225-3, MOTOR D225-4, MOTOR D225-6 ATÉ 07/77, MOTOR D229-3 ATÉ 07/85, MOTOR DE 4 CILINDROS **POCLAIN** GUINDASTE 142 CV ATÉ 09/76, GUINDASTE 95 CV **TEMA TERRA** ROLO COMPACTADOR CP 22 ATÉ 09/76, ROLO COMPACTADOR CP 27, ROLO COMPACTADOR SP 3500, ROLO COMPACTADOR SP 5500, ROLO COMPACTADOR TT 1014, VARREDEIRA, VIBRADOR CA 25 **VALMET** 68, 68 CAFEEIRO, 68 ESPECIAL (MWM D229-3) ATÉ 07/85, TRATOR 110ID (MWM D225-6), TRATOR 62ID, TRATOR 651D (MWM D225-3), TRATOR 85ID (MWM D225-4) ATÉ 07/77 **VIBRO** ROLO COMPACTADOR 27, ROLO COMPACTADOR CP 22, VIBRADOR CA 25 ATÉ 09/76 **YANMAR** MOTOR ESTACIONÁRIO A E-1, MOTOR ESTACIONÁRIO A E-2 ATÉ 08/77

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1248-2X **KIT SC1248-3X** **KIT SC1248-STD**	1 x SC091-STD 1 x SC092-STD	BOSCH - WAPSA	0.001.410.021, 0.001.410.041, 0.001.410.089, 0.001.416.002, 0.001.416.076, 0.001.417.001, 0.001.417.005, 0.001.417.015, 0.001.417.042, 0.001.417.047, 0.001.417.064, 0.001.417.065, 0.001.417.075, 190.24.013, 190.24.038, 190.24.063, 190.24.135, 4.860.000.003;, 9.000.084.005, 9.000.084.007, 9.000.084.008, 9.000.084.009, 9.000.084.010, 9.000.084.011, 9.000.084.012, 9.000.084.013, 9.000.084.014, 9.000.084.015, 9.000.084.018, 9.000.084.019, 9.000.084.020, 9.000.084.021, 9.000.084.022, 9.000.084.023, 9.000.084.024, 9.000.084.026, 9.000.084.061

APLICAÇÕES

DETALHE SÉRIE 821 B 6CT 06/96 **FIAT** CAMINHÕES 180 (120.50), CAMINHÕES FIAT 190 (8210), CAMINHÕES FNM 210 CM (120.08) **FIAT-ALLIS** CARGO 1117, CARGO 1218 CARGO 1314, CARGO 1317;, CARGO 1418, CARGO 1514, CARGO 1517, CARGO 1615, CARGO 1618, CARGO 1619, CARGO 2215, CARGO 2218, CARGO 2218T, CARGO 2319, CARGO-WORLD-TRUCK, SÉRIE AD 14C, SÉRIE FD 170, SÉRIE FG 105, SÉRIE FR 140, SÉRIE FR 180, SÉRIE-FR **HUBER-WARCO** MOTONIVELADORA 135 S, MOTONIVELADORA 140, MOTONIVELADORA 155 S, MOTONIVELADORA 155 SSA **IVECO** CAMINHÃO EURO TRAKKER COM MOTOR 8210.42K, CAMINHÃO EURO TRAKKER COM MOTOR 8210.42L, SÉRIE 180, SÉRIE 240, SÉRIE 260, SÉRIE 440 E **KOMATSU** TRATOR DE ESTEIRA D60 E, TRATOR DE ESTEIRA D60 F, TRATOR DE ESTEIRA D65 E, TRATOR DE ESTEIRA D73 E, TRATOR DE ESTEIRA T60, TRATOR DE ESTEIRA T65, TRATORES D60A C/ MOTOR CUMMINS N 855, TRATORES D60E C/ MOTOR CUMMINS N 855, TRATORES D60F C/ MOTOR CUMMINS N 855, TRATORES D65A C/ MOTOR CUMMINS N 855, TRATORES D65E C/ MOTOR CUMMINS N 855 **MAFERSA** SÉRIE M 210 (6 CT) 09/91 SÉRIE M 240 (6 CTA) 09/91 **MALVES** TRATOR 1800 **MASSEY FERGUSON** TRATOR MF 4780 **MAXION** TRATOR MF 4780 (SSB-DN11) **MERCEDES-BENZ** CAMINHÕES L1319 COM MOTORES OM355, CAMINHÕES L1320 COM MOTORES OM355, CAMINHÕES L1418 COM MOTORES OM355, CAMINHÕES L1419 COM MOTORES OM355, CAMINHÕES L1519 COM MOTORES OM355, CAMINHÕES L1520 COM MOTORES OM355 COM, CAMINHÕES L1924 COM MOTORES OM355, CAMINHÕES LS1924A COM MOTORES OM355 **MWM** MOTORES D, MOTORES TD 232-6V 8V 12V, MOTORES TD 232-8V 12V **SCANIA** CAMINHÕES 112, CAMINHÕES 113 **VILLARES** EQUIPAMENTO COM SSB **VOLKSWAGEN** CAMINHÕES 14170, CAMINHÕES 14210 TURBO CHARGE (CUM 6CT 8.3L), CAMINHÕES 16170 (CUM 6C 8.3L), CAMINHÕES 16210 TURBO CHARGE (CUM 6CT 8.3L) **VOLVO** CAMINHÕES N10, CAMINHÕES N12, CAMINHÕES NL10, CAMINHÕES NL12;

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1249-STD	1 x SC1963-STD 1 x SC3035-STD 1 x SC093-STD 1 x SC3008-STD	BOSCH - WAPSA	0001107015, 0001107016, 0001107044, 0001110072, 9000081004, 9000081005, 9000081008, F000AL0100;

APLICAÇÕES

VOLKSWAGEN GOL 1997 ATÉ 2001, GOL G2 BOLA, PARATI 1997 ATÉ 2001, SANTANA 1997 ATÉ 2001, SAVEIRO 1997 ATÉ 2001

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1251-2X **KIT SC1251-3X** **KIT SC1251-STD**	1 x SC080-STD 1 x SC014-STD	BOSCH - WAPSA	0.001.108.080, 9.000.082.006, 9.000.082.012, 9.000.082.022, 9.000.082.024;

APLICAÇÕES

CHEVROLET - GM C SÉRIE C 20 COM MOTOR POWERTECH C 41 GE 1996, CARAVAN 4CIL, CHEVETTE 1.4 COM MOTOR A ÁLCOOL DE 1976 ATÉ 1981, CHEVETTE 1.4 COM MOTOR A GASOLINA DE 1976 ATÉ 1981, MARAJÓ 1.4 COM MOTOR A ÁLCOOL DE 1976 ATÉ 1981, MARAJÓ 1.4 COM MOTOR A GASOLINA DE 1976 ATÉ 1981, SILVERADO 4.1 COM MOTOR POWERTECH C 41 GE 1996

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1252-2X **KIT SC1252-3X** **KIT SC1252-STD**	1 x SC093-STD 1 x SC3005-STD	BOSCH - WAPSA	0.001.108.080, 90277933, 90349353;

APLICAÇÕES

CHEVROLET - GM CORSA 1.0, CORSA 1.4, ÔMEGA 2.2, ÔMEGA 3.0, SILVERADO POWERTECH, VECTRA 2.0 POWERTECH, VECTRA 2.2 POWERTECH **DIVERSAS** .

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1255-STD	1 x SC2309-STD 1 x SC1915-STD 1 x ROLAMENTO REF. 6202-2RS	BOSCH - WAPSA	0001370003, 0001370004, 0001371005, 0001371006, 0001371007, 0001371008, 0001371009, 0001371010, 0001371012, 0001371013, 0001371014, 0001371015, 0001371016, 0001371017, 0001371018, 0001371019, 0001371020, 9.000.453.068, DR19070037;

APLICAÇÕES

MERCEDES-BENZ CAMINHÕES ACTROS 2553 **SCANIA** CAMINHÕES P114, CAMINHÕES P124, CAMINHÕES P322, CAMINHÕES P340, CAMINHÕES P360, CAMINHÕES P400 CAMINHÕES R114, CAMINHÕES R320, CAMINHÕES R322, CAMINHÕES R340, CAMINHÕES R360, CAMINHÕES T114, CAMINHÕES T320, CAMINHÕES T322, CAMINHÕES T340, CAMINHÕES T360

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1256-STD	1 x SC1828-STD 1 x SC014-STD	BOSCH - WAPSA	9.000.082.030, 9.000.082.045, 9.000.082.051;, 9.000.082.077

APLICAÇÕES

VOLKSWAGEN GOL 1.6 AP, PARATI 1.6 AP, PASSAT 1.5L, PASSAT 1.6L, SAVEIRO 1.6 AP, VOYAGE 1.5, VOYAGE 1.6 AP

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1259-STD	1 x SC1871-STD 1 x SC2072-STD 1 x SC1828-STD 1 x SC3008-STD	BOSCH - WAPSA	0001107015;, 9000081004, 9000081044, F042002026

APLICAÇÕES

CHEVROLET - GM ASTRA, CALIBRA, CORSA, KADETT, ÔMEGA, S10, VECTRA, ZAFIRA **DIVERSAS** BLAZER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1268-2X **KIT SC1268-3X** **KIT SC1268-STD**	1 x SC074-STD 1 x SC014-STD	BOSCH - WAPSA	9.000.082.009, F000AL0329;, F000ALO306, MW.V.12

APLICAÇÕES

VOLKSWAGEN BRASÍLIA 1300 COM MOTOR A ÁLCOOL, BRASÍLIA 1600 COM MOTOR A GASOLINA, CARRO SP-2 APÓS 1967, CARRO TC 1967 ATÉ 1981, CARRO TL 1967 ATÉ 1981, FUSCA 1.6 COM MOTOR UFA DE 1983 ATÉ 1996, FUSCA 1.6 COM MOTOR UJA DE 1993 ATÉ 1996, GOL 1.3 A AR, GOL 1.6 A AR, KARMAN GHIA TC 1600, KOMBI 1.4 TOTAL FLEX BJT 2006, KOMBI 1.6 MI UGA DE 1997 ATÉ 2005, KOMBI 1.6 MI UKA, SEDAN 1300 COM MOTOR A ÁLCOOL, SEDAN 1300 COM MOTOR A GASOLINA, SEDAN 1500 COM MOTOR A GASOLINA, SEDAN 1600 COM MOTOR A ÁLCOOL, SEDAN 1600 COM MOTOR A GASOLINA, VARIANT II

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1271-STD	1 x SC1871-STD 1 x SC2144-STD 1 x SC2203-STD 1 x SC2056-STD	BOSCH - WAPSA	0001223505;, 2C35-11001.BA, 2C3511001BA, 35259900, 35261760, 35262570, 6C3511001.AA, 6C3511001AA, XC3U11000CA

APLICAÇÕES

FORD F-250 COM MOTOR CUMMINS 4BTAA DE 1998 ATÉ 2006, F-350 COM MOTOR CUMMINS 4BTAA 3.9L DE 1998 ATÉ 2005, F-4000 COM MOTOR CUMMINS 4BTAA 3.9L DE 1998 ATÉ 2005

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1275-STD	1 x SC1101-STD 1 x SC1730-STD 1 x SC2203-STD 1 x SC3008-STD	BOSCH - WAPSA	0.001.223.505;

APLICAÇÕES

FORD F 250 CC XL 3.9 L 16V DOHC L4 (2006-2012), F 250 CC XL 4.2 L 18V DOHC L6 (1999-2006), F 250 CC XLD 4.2 L 18V DOHC L6 (1999-2006), F 250 CC XLT 3.9 L 16V DOHC L4 (2006-2012), F 250 LD XL 3.9 L 8V SOHC L4 (1998-2006), F 250 LD XL 4.2 L 12V OHV V6 (1998-2003), F 250 LD XL 4.2 L 18V DOHC L6 (1999-2006), F 250 LD XLT 3.9 L 8V SOHC L4 (1998-2006), F 250 LD XLT 4.2 L 12V OHV V6 (1998-2003), F 250 RC XL 3.9 L 16V DOHC L4 (2006-2012), F 250 RC XLT 3.9 L 16V DOHC L4 (2006-2012), F 250 SD XL 4.2 L 12V OHV V6 (1998-2003), F 250 SD XLT 4.2 L 18V DOHC L6 (1999-2006), F-350 2.8 L 16V SOHV L4 (2014-), F-350 3.9 L 16V SOHV L4 (2005-2011), F-350 3.9 L 8V SOHV L4 (1998-2005), F-4000 2.8 L 16V SOHV L4 (2014-), F-4000 2.8 L 16V SOHV L4 (2014-)FORD: F-4000 3.9 L 16V SOHV L4 (2005-2011)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1284-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC3011-STD 1 x SC3008-STD	BOSCH - WAPSA	0001223013;

APLICAÇÕES

CITROËN CARROS JUMPER 2.8, CARROS JUMPER 2.8 HDI **FIAT** CARROS DUCATO 2.8, CARROS DUCATO 2.8 TURBO INTERCOOLER, CARROS DUCATO CARGO 2.3, CARROS DUCATO CARGO 2.8, CARROS DUCATO COMBINATO 2.3, CARROS DUCATO MAXI CARGO 2.3, CARROS DUCATO MINIBUS 2.3, CARROS DUCATO MULTI 2.3**PEUGEOT** CARROS BOXER 2.8, CARROS BOXER 2.8 HDI, CARROS BOXER 2.8 TURBO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1286-STD	1 x SC1871-STD 2 x SC2072-STD 1 x SC3008-STD	BOSCH - WAPSA	20080902;, 8700929534

APLICAÇÕES

RENAULT CLIO C/ MOTOR 1.6, LAGUNA C/ MOTOR 2.0, MEGANE C/ MOTOR 2.0, R19 C/ MOTOR 1.6, SCENIC C/ MOTOR 2.0

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1289-STD	1 x SC1916-STD 1 x SC1915-STD 1 x ROLAMENTO REF. 6202-2RS	BOSCH - WAPSA	0001370001, 0001370002, 0001371001, 9000453029, 9000453064, 9000453065, 9000453066, 9000453067, 9000453068, 9001453586, 9001453610, 9001453646F000AL0801, F000AL1557, F000AL1561, F000AL1562, F000AL1574;

APLICAÇÕES

FORD CAMINHÕES CARGO C 4030 **MERCEDES-BENZ** 2325 LK;CAMINHÕES 2635 L, CAMINHÕES 1625 L, CAMINHÕES 1625 LS, CAMINHÕES 1630 LS, CAMINHÕES 1825 LG CAMINHÕES 1935 LS, CAMINHÕES 1941 LS, CAMINHÕES 2325 L, CAMINHÕES 2325 LB, ÔNIBUS O400 R, ÔNIBUS O400 RS, ÔNIBUS O400 RSD, ÔNIBUS O400 RSL, ÔNIBUS O400 UP, ÔNIBUS O400 UPA, ÔNIBUS OH1625 L, ÔNIBUS OH1628 L, ÔNIBUS OH1635 L, ÔNIBUS OHL1624 G, ÔNIBUS OHL1628, ÔNIBUS OHL1630, ÔNIBUS OHL1635

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1290-STD	1 x SC2072-STD 1 x SC3001-STD 1 x SC1856-STD 1 x SC1905-STD	BOSCH - WAPSA	

APLICAÇÕES

FORD RANGER ANO DE 2008 ATÉ 2013

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1338-STD	1 x SC1101-STD 1 x SC1261-STD 1 x SC1774-STD 1 x SC2023-STD	BOSCH - WAPSA	EC35-11001-BA;, F.000.AL0.159

APLICAÇÕES

FORD F250 C/ MOTOR CUMMINS ANO 1998 >, F350 C/ MOTOR CUMMINS ANO 1998 >, F4000 C/ MOTOR CUMMINS ANO1998 >

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2080-STD	1 x SC1101-STD 1 x SC1261-STD 1 x SC2056-STD 1 x SC2243-STD	BOSCH - WAPSA	F.000.ALO.141

APLICAÇÕES

CHEVROLET BLAZER PITBULL, S-10 PITBULL **FORD** F-250, F-350, F-4000, RANGER G2 **NISSAN** FRONTIER, XTERRA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2087-STD	1 x SC3035-STD 1 x SC3005-2X	BOSCH - WAPSA	0001113010

APLICAÇÕES

FORD COURRIER, ESCORT (ZTEC 16V), FIESTA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2129-STD	1 x SC1101-STD 1 x SC1261-STD 1 x SC2300-STD 1 x SC2056-STD	BOSCH - WAPSA	F.000.AL0.107

APLICAÇÕES

CHEVROLET S10 **FORD** F250 **NISSAN** FRONTIER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2136-STD	1 x SC1963-STD 1 x SC3035-STD 1 x SC2239-STD 1 x SC3008-STD	BOSCH - WAPSA	281000L070, 281000L072;, F000AL0111

APLICAÇÕES

TOYOTA CARROS HILUX 2.5, HILUX PITBULL 3.0 (2006 EM DIANTE), HILUX 2.8, SW4 D4D

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2142-STD	1 x SC3035-STD 1 x ROLAMENTO REF. 629-2RS 1 x SC1824-STD 1 x ROLAMENTO REF. 6905-RS	BOSCH - WAPSA	1362069, 20632, M000T84381

APLICAÇÕES

YUCHAI MINI RETRO ESCAVADEIRA 24V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2166-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC2293-STD 1 x ROLAMENTO REF. 6006-2RS	BOSCH - WAPSA	0001261001, 0001261002, 0001261025, 0001261026, F042002135

APLICAÇÕES

DAF CAMINHÕES XF105.460, CAMINHÕES XF105.510 **MERCEDES-BENZ** SERIE 5 **SCANIA** CAMINHÕES P230, CAMINHÕES P270, CAMINHÕES P310, CAMINHÕES P340, CAMINHÕES P380, CAMINHÕES P420, CAMINHÕES P470, CAMINHÕES R230, CAMINHÕES R270, CAMINHÕES R310, CAMINHÕES R340, CAMINHÕES R380, CAMINHÕES R420, CAMINHÕES R470, CAMINHÕES T340, CAMINHÕES T380, CAMINHÕES T420, CAMINHÕES T470, ÔNIBUS K310

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2169-STD	1 x SC1101-STD 1 x SC2203-STD 1 x ROLAMENTO REF. 6006-2RS 1 x ROLAMENTO REF. HK-2512	BOSCH - WAPSA	0001261001, 0001261002, 0001261025, 0001261026, F042002135

APLICAÇÕES

DAF CAMINHÕES XF105.460, CAMINHÕES XF105.510 **MERCEDES-BENZ** SERIE 5 **SCANIA** CAMINHÕES P230, CAMINHÕES P270, CAMINHÕES P310, CAMINHÕES P340, CAMINHÕES P380, CAMINHÕES P420, CAMINHÕES P470, CAMINHÕES R230, CAMINHÕES R270, CAMINHÕES R310, CAMINHÕES R340, CAMINHÕES R380, CAMINHÕES R420, CAMINHÕES R470, CAMINHÕES T340, CAMINHÕES T380, CAMINHÕES T420, CAMINHÕES T470, ÔNIBUS K310

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2187-STD	1 x SC2139-STD 3 x SC3460-STD	BOSCH - WAPSA	B7617-3708100, DWGD30-3708100

APLICAÇÕES

YUCHAI MINI RETRO ESCAVADEIRA 24V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2210-STD	1 x SC3460-STD 1 x SC2333-STD	BOSCH - WAPSA	51876031, 51888975;, F000CD0001, F000CD0003, F000CD0900, F000CD0901, F000CD0903, F000CD09A0, F000CD09A1, F000CD09A3, F00CD0001

APLICAÇÕES

FIAT DOBLÒ 1.3 MPI 16V, DOBLÒ 1.4 MPI 8V FLEX, FIORINO FURGÃO 1.3 MPI 8V, FIORINO FURGÃO 1.3 MPI 8V FLEX, GRAND SIENA 1.4 FLEX, GRAND SIENA 1.4 TETRAFUEL, IDEA 1.4 FLEX, PALIO (FASE IV) 1.0 FLEX, PALIO (FASE IV) 1.4 FLEX, PALIO 1.0 MPI 16V, PALIO 1.0 MPI 8V, PALIO 1.0 MPI 8V FLEX, PALIO 1.3 MPI 16V, PALIO 1.3 MPI 8V, PALIO 1.3 MPI 8V FLEX, PALIO 1.4 MPI 8V FLEX, PALIO FIRE 1.0 MPI 8V, PALIO FIRE 1.0 MPI 8V FLEX, PALIO FIRE 1.0 MPI FLEX, PALIO FIRE ECONOMY 1.0 MPI 8V FLEX, PALIO WEEKEND 1.0 MPI 16V, PALIO WEEKEND 1.3 MPI 16V, PALIO WEEKEND 1.3 MPI 8V, PALIO WEEKEND 1.3 MPI 8V FLEX, PALIO WEEKEND 1.4 FLEX, PALIO WEEKEND 1.4 MPI 8V FLEX, PUNTO 1.4 FLEX, SIENA 1.0 FLEX, SIENA 1.0 MPI 16V, SIENA 1.0 MPI 8V, SIENA 1.0 MPI 8V FLEX, SIENA 1.3 MPI 16V, SIENA 1.3 MPI 8V, SIENA 1.3 MPI 8V FLEX, SIENA 1.4 FLEX, SIENA 1.4 MPI 8V FLEX, SIENA 1.4 MPI 8V TETRAFUEL, SIENA FIRE 1.0 MPI 8V, SIENA FIRE 1.0 MPI 8V FLEX, SIENA FIRE 1.0 MPI FLEX, STRADA 1.3 MPI 8V, STRADA 1.4 FLEX, STRADA 1.4 MPI 8V FLEX, STRADA FIRE 1.4 MPI 8V FLEX, UNO 1.0 FLEX, UNO 1.4 FLEX, UNO ECONOMY 1.4 FLEX, UNO FURGONETA 1.3 MPI 8V, UNO FURGONETA 1.3 MPI 8V FLEX, UNO FURGONETA 1.4 FLEX, UNO MILLE 1.0 MPI, UNO MILLE 1.0 MPI FLEX, UNO MILLE ECONOMY 1.0 MPI FLEX

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2212-STD	1 x SC1101-STD 1 x SC085-STD 1 x ROLAMENTO REF. 6001-2RS 1 x SC2334-STD	BOSCH - WAPSA	111.31.542, 11130728, 11130729, 11130730, 11130748, 11130785, 11130793, 11130836, 11130841 11130842, 11130904, 11130944, 11130945, 11130999, 11131014, 11131060, 11131065, 11131077, 11131145, 11131150, 11131167, 11131191, 11131228, 11131237, 11131254, 11131266, 11131271, 11131274, 11131300, 11131318, 11131335, 11131352, 11131356, 11131357, 11131359, 11131374, 11131375, 11131376, 11131382, 11131398, 11131399, 11131407, 11131430, 11131433, 11131436, 11131452, 11131464, 11131488, 11131490, 11131507, 11131508, 11131520, 11131524, 11131542, 11131550, 11131573, 11131574, 11131575, 11131602, 11131604, 11131611, 11131612, 11131613, 11131640, 11131658, 11131705, 11131706, 11131709, 11131723, 11131727, 11131763, 11131775, 11131776, 11131782, 11131783, 11131784, 11131790, 11131797, 11131811, 11131829, 11131841, 11131846, 11131855, 11131856, 11131862, 11131863, 11131883, 11131893, 11131894, 11131896, 11131897, 11131898, 11131900, 11131920, 11131929, 11131930, 11131945, 11131965, 11131987, 11132008, 11132012, 11132027, 11132041, 11132042, 11132045, 11132046, 11132047, 11132056, 11132062, 11132066, 11132069, 11132070, 11132073, 11132083, 11132086, 11132094, 11132099, 11132106, 11132118, 11132122, 11132123, 11132125, 11132149, 11132150, 11132164, 11132170, 11132174, 11132175, 11132176, 11132183, 11132188, 11132189, 11132194, 11132197, 11132236, 11132259, 11132260, 11132262, 11132268, 11132270, 11132276, 11132283, 11132290, 11132291, 11132302, 11132310, 11132325, 11132328, 11132356, 11132359, 11132370, AZF4103, AZF4104, AZF4106, AZF4108, AZF4115, AZF4116, AZF4119, AZF4121, AZF4122, AZF4129, AZF4130, AZF4131, AZF4132, AZF4135, AZF4137, AZF4141, AZF4143, AZF4146, AZF4147, AZF4148, AZF4154, AZF4155, AZF4158, AZF4159, AZF4160, AZF4164, AZF4170, AZF4183, AZF4184, AZF4185, AZF4187, AZF4190, AZF4196, AZF4201, AZF4204, AZF4205, AZF4206, AZF4207, AZF4209, AZF4214, AZF4220, AZF4222, AZF4227, AZF4228, AZF4229, AZF4230, AZF4237, AZF4240, AZF4242, AZF4243, AZF4245, AZF4246, AZF4247, AZF4248, AZF4251, AZF4253, AZF4254, AZF4258, AZF4260, AZF4266, AZF4269, AZF4270, AZF4273, AZF4276, AZF4277, AZF4279, AZF4280, AZF4281, AZF4283, AZF4284, AZF4286, AZF4287, AZF4288, AZF4291, AZF4292, AZF4294, AZF4295, AZF4296, AZF4298, AZF4304, AZF4305, AZF4306, AZF4308, AZF4315, AZF4316, AZF4318, AZF4319, AZF4320, AZF4321, AZF4322, AZF4324, AZF4326, AZF4327, AZF4329, AZF4330, AZF4341, AZF4345, AZF4346, AZF4347, AZF4349, AZF4350, AZF4352, AZF4355, AZF4356, AZF4357, AZF4360, AZF4361, AZF4362, AZF4364, AZF4369, AZF4370, AZF4374, AZF4507, AZF4508, AZF4509, AZF4510, AZF4511, AZF4513, AZF4514, AZF4515, AZF4520, AZF4521, AZF4527, AZF4528, AZF4535, AZF4538, AZF4541, AZF4542, AZF4545, AZF4553, AZF4554, AZF4559, AZF4562, AZF4569, AZF4570, AZF4571, AZF4572, AZF4573, AZF4575, AZF4577, AZF4582, AZF4588, AZF4591, AZF4592, AZF4593, AZF4594, AZF4596, AZF4597, AZF4598

APLICAÇÕES

CASE TRATOR **DIVERSAS** VALMET, VALTRA **MASSEY FERGUSON** CAMINHÕES **VOLKSWAGEN** CAMINHÕES **VOLVO** CAMINHÃO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2213-STD	1 x ROLAMENTO REF. HK0808 1 x ROLAMENTO REF. HK0910	BOSCH - WAPSA	51876031, 51888975;, F000CD0001, F000CD0003, F000CD0900, F000CD0901, F000CD0903, F000CD09A0, F000CD09A1, F000CD09A3

APLICAÇÕES

FIAT DOBLÒ 1.3 MPI 16V, DOBLÒ 1.4 MPI 8V FLEX, FIORINO FURGÃO 1.3 MPI 8V, FIORINO FURGÃO 1.3 MPI 8V FLEX, GRAND SIENA 1.4 FLEX, GRAND SIENA 1.4 TETRAFUEL, IDEA 1.4 FLEX, PALIO (FASE IV) 1.0 FLEX, PALIO (FASE IV) 1.4 FLEX, PALIO 1.0 MPI 16V, PALIO 1.0 MPI 8V, PALIO 1.0 MPI 8V FLEX, PALIO 1.3 MPI 16V, PALIO 1.3 MPI 8V, PALIO 1.3 MPI 8V FLEX, PALIO 1.4 MPI 8V FLEX, PALIO FIRE 1.0 MPI 8V, PALIO FIRE 1.0 MPI 8V FLEX, PALIO FIRE 1.0 MPI FLEX, PALIO FIRE ECONOMY 1.0 MPI 8V FLEX, PALIO WEEKEND 1.0 MPI 16V, PALIO WEEKEND 1.3 MPI 16V, PALIO WEEKEND 1.3 MPI 8V, PALIO WEEKEND 1.3 MPI 8V FLEX, PALIO WEEKEND 1.4 FLEX, PALIO WEEKEND 1.4 MPI 8V FLEX, PUNTO 1.4 FLEX, SIENA 1.0 FLEX, SIENA 1.0 MPI 16V, SIENA 1.0 MPI 8V, SIENA 1.0 MPI 8V FLEX, SIENA 1.3 MPI 16V, SIENA 1.3 MPI 8V, SIENA 1.3 MPI 8V FLEX, SIENA 1.4 FLEX, SIENA 1.4 MPI 8V FLEX, SIENA 1.4 MPI 8V TETRAFUEL, SIENA FIRE 1.0 MPI 8V, SIENA FIRE 1.0 MPI 8V FLEX, SIENA FIRE 1.0 MPI FLEX, STRADA 1.3 MPI 8V, STRADA 1.4 FLEX, STRADA 1.4 MPI 8V FLEX, STRADA FIRE 1.4 MPI 8V FLEX, UNO 1.0 FLEX, UNO 1.4 FLEX, UNO ECONOMY 1.4 FLEX, UNO FURGONETA 1.3 MPI 8V, UNO FURGONETA 1.3 MPI 8V FLEX, UNO FURGONETA 1.4 FLEX, UNO MILLE 1.0 MPI, UNO MILLE 1.0 MPI FLEX, UNO MILLE ECONOMY 1.0 MPI FLEX

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2222-STD	1 x SC1846-STD 1 x SC3005-STD	BOSCH - WAPSA	BBF00AL1426, F000AL0309, F000AL0310

APLICAÇÕES

FIAT DOBLÒ COM MOTOR 1.3 FIRE, FIORINO COM MOTOR 1.3 FIRE ANO 2012 EM DIANTE, FIORINO COM MOTOR 1.4 FIRE ANO 2012 EM DIANTE, PALIO COM MOTOR 1.3 FIRE ANO 2012 EM DIANTE, PALIO COM MOTOR 1.4 FIRE ANO 2012 EM DIANTE, SIENA COM MOTOR 1.3 FIRE ANO 2012 EM DIANTE, SIENA COM MOTOR 1.4 FIRE ANO 2012 EM DIANTE, STRADA COM MOTOR 1.3 FIRE ANO 2012 EM DIANTE, STRADA COM MOTOR 1.4 FIRE ANO 2012 EM DIANTE, UNO COM MOTOR 1.3 FIRE ANO 2012 EM DIANTE, UNO COM MOTOR 1.4 FIRE ANO 2012 EM DIANTE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2240-STD	3 x SC1902-STD	BOSCH - WAPSA	11131659, 438014, 6229400M91, 9000081004, 96BB11000-AA7, D6RA82

APLICAÇÕES

GM ASTRA 1.8 MPFI, ASTRA 2.0 MPFI, ASTRA SEDAN 1.8 MPFI, ASTRA SEDAN 2.0 MPFI, ASTRA SW 2.0 MPFI, BLAZER 2.2 MPFI, BLAZER 2.4 MPFI, CALIBRA 2.0 16V, IPANEMA 2.0 MPFI, KADETT 2.0 MPFI, OMEGA 2.0 MPFI, OMEGA 2.2 MPFI, OMEGA SUPREMA 2.0 MPFI, OMEGA SUPREMA 2.2 MPFI, S10 2.2 MPFI, VECTRA 2.0 GSI SFI 16V, VECTRA 2.0 MPFI, VECTRA 2.2 MPFI, ZAFIRA 2.0 MPFI

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2274-STD	1 x SC1101-STD 1 x SC3035-STD 1 x SC2246-STD 1 x SC2056-STD	BOSCH - WAPSA	7C3511001AA, F000AL0128, F000AL0129, F000AL0130, F000AL0151

APLICAÇÕES

FORD F250 COM MOTOR CUMMINS ELETRÔNICO, F350 COM MOTOR CUMMINS ELETRÔNICO, F4000 COM MOTOR CUMMINS ELETRÔNICO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2400-STD	1 x SC3460-STD 1 x SC3508-STD	BOSCH - WAPSA	5U0911023, 5U0911335, F000CD0800, F000CD0801, F000CD0802, F000CD08A0, F000CD08A1, F000CD08A2, VW5Z0911023

APLICAÇÕES

VOLKSWAGEN CROSSFOX 1.6 TOTALFLEX, FOX 1.0, FOX 1.0 TOTALFLEX, FOX 1.6, FOX 1.6 TOTALFLEX, GOLFIV 1.6, GOLFIV 1.6 TOTALFLEX, GOLV 1.0 TOTALFLEX, GOLV 1.6 TOTALFLEX, GOLVI 1.0 TOTALFLEX, GOLVI 1.6 TOTALFLEX, POLO 1.6, POLO 1.6 TOTALFLEX, SAVEIROV 1.6 TOTALFLEX, SPACECROSS 1.6 TOTALFLEX, SPACEFOX 1.6 TOTALFLEX, VOYAGE 1.0 FLEX, VOYAGE 1.0 TOTALFLEX, VOYAGE 1.6 FLEX, VOYAGE 1.6 TOTALFLEX

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2433-STD	1 x SC1101-STD 1 x SC1909-STD 1 x SC3508-STD 1 x SC3497-STD	BOSCH - WAPSA	0.001.121.440, 114943A, 51865316

APLICAÇÕES

FIAT IDEA COM MOTOR ETORQ, LINEA, PALIO MOTOR E. TORQ, PUNTO MOTOR E. TORQ, STRADA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2440-STD	1 x SC1101-STD 1 x SC3035-STD 1 x SC1905-STD 1 x SC3497-STD	BOSCH - WAPSA	MERCEDESBENZSPRINTER2132.2CDI, MERCEDESBENZSPRINTER3132.2CDI, MERCEDESBENZSPRINTER3132.2CDI4X4, MERCEDESBENZSPRINTER4132.2CDI, MERCEDESBENZSPRINTER5132.2CDI, MERCEDESBENZSPRINTER5132.2CDI4X4

APLICAÇÕES

DIVERSAS F 000 AL0 901

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2446-STD	1 x SC1101-STD 1 x SC3035-STD 1 x SC2246-STD 1 x SC3008-STD	BOSCH - WAPSA	000109300, 0001109301, PM20300

APLICAÇÕES

FIAT DUCATO MULTIJET **PEUGEOT** BOXER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2453-STD	1 x SC1101-STD 2 x SC3035-STD 1 x SC3008-STD	BOSCH - WAPSA	281000C060, F000ALO110

APLICAÇÕES

TOYOTA COROLLA, FILDER, HILUX FLEX 2.7

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2457-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC2300-STD 1 x SC3008-STD	BOSCH - WAPSA	BC4511001BA, BC45Z1001BA, F002G20904

APLICAÇÕES

FORD CARGO 1119 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1119 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1317 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1317 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1319 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1319 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1517 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1517 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1519 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1519 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1717 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1717 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1719 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1719 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V /

ANO 2010 >, CARGO 1722 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1722 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1723 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1723 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 1729 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 1729 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2422 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2422 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2423 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2423 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2428 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2428 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2429 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2429 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V /

ANO 2010 >, CARGO 2622 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2622 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2623 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2623 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2626 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2626 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 2628 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2628 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L24V / ANO 2010>, CARGO 2629 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 2629 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >, CARGO 816 C/ MOTOR CUMMINS ELETRÔNICO ISC 4.5L ANO 2010>, CARGO 816 C/ MOTOR CUMMINS ELETRÔNICO ISC 6.7L 24V / ANO 2010 >

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2602-STD	1 x SC1871-STD 1 x SC3469-STD 1 x SC1909-STD 1 x SC2293-STD	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS AUDI **VOLKSWAGEN** BEETLE, GOLF, JETTA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0297-STD	2 x SC2324-STD 2 x SC1978-STD 1 x SC3460-STD	COMSTAR	233006904R

APLICAÇÕES

RENAULT DUSTER, KWID, LOGAN, SANDERO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0005-STD	1 x SC2198-STD 1 x SC2145-STD 1 x ROLAMENTO REF. HK1210	DELCO-REMY	24579009, 8000444, 8000660, PG2608

APLICAÇÕES

GM NOVO PRISMA LT COM MOTOR 1.0L, NOVO PRISMA LT COM MOTOR 1.4L, NOVO PRISMA LTZ COM MOTOR 1.0L, NOVO PRISMA LTZCOM MOTOR 1.4L SPE/4 ANO 02/2013 ONIX 1.4 SPE/4, ONIX LT COM MOTOR 1.0L, ONIX LT COM MOTOR 1.4L, ONIX LTZ COM MOTOR 1.0L, ONIX LTZ COM MOTOR 1.4L SPE/4 (SOCH) ANO 09/2012

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0242-STD	1 x ROLAMENTO REF. HK-1010 1 x SC1824-STD 1 x ROLAMENTO REF. 6200-2RS 1 x ROLAMENTO REF. 6204-RS C3	DELCO-REMY	10461764, 10461765, 10461771, 10461772, 19011400, 19011402, 19011403, 19011407, 19011409, 8200003, 8200004, 8200011, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200141, 8200196, 8200231, 8200271, 8200292, 8200295, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200521, 8200564, 8200571, 8200807, 8200816, 8200826, 8200848, 8200849, 8200850, 8200853, 8200854, 8200866, 8200873, 8200875, 8200882, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890, 8201097, 8300063, A0061512101

APLICAÇÕES

AGRALEÔNIBUS W8, W9 **CONSTELLATION** 15-180, 17-260(29MT), 3-180 **MERCEDES-BENZ** 1215, 1218, 1418, 1718, 714, 715, 915 **ÔNIBUS** LO914, O-500, OF1518

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0323-STD	1 x SC2198-STD 1 x ROLAMENTO REF. HK-1010	DELCO-REMY	36100-03603, 61001603, 61009350, QDY1204, S11-3708110GA

APLICAÇÕES

HYUNDAI HB20 (2016->) **KIA** PICANTO 1.0 (2011->)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0352-STD	1 x ROLAMENTO REF. HK-1010 1 x SC3439-STD	DELCO-REMY	BC428000-9500, BC438000-3370

APLICAÇÕES

DIVERSAS BRAVO 1.6 **FIAT** ARGO (2017), GRAND SIENA, MOBI, PALIO, PALIO WEEKEND, UNO VIVACE (2017)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0353-STD	1 x SC2072-STD 1 x SC3439-STD	DELCO-REMY	BC428000-9500, BC438000-3370

APLICAÇÕES

DIVERSAS BRAVO 1.6 **FIAT** ARGO (2017), GRAND SIENA, MOBI, PALIO, PALIO WEEKEND, UNO VIVACE (2017)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0497-STD	1 x SC3538-STD 1 x SC3540-STD 1 x SC3541-STD	DELCO-REMY	1047891, 10479145, 10479339, 10479343

APLICAÇÕES

CATERPILLAR 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 4D343, 621B, 621E, 623E, 631D, 631E, 633D, 637E, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08 **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380 CLARK: 380III, 380-2III, 380C-480, 380IIIA, 410, 475B, 475B CLARK: 675, 475III, 675B, 675B CUMMINS: SÉRIE K. **DIVERSAS** 639D **INGERSOLL RAND** DL 1200

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1200-2X **KIT SC1200-3X** **KIT SC1200-STD**	1 x SC013-STD 1 x SC009-STD	DELCO-REMY	7322463

APLICAÇÕES

CHEVROLET - GM C10 6CC(CASCA DE OVO), CARAVAN 4CC, CARAVAN 6CC, OPALA 4CC, OPALA 6CC

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1206-2X **KIT SC1206-3X** **KIT SC1206-STD**	1 x SC096-STD 1 x SC009-STD	DELCO-REMY	

APLICAÇÕES

CHEVROLET - GM C10 6CC MODERNO(CASCA DE OVO), CARAVAN 4CC, CARAVAN 6CC, OPALA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1208-2X **KIT SC1208-STD**	2 x SC885-STD 1 x SC1060-STD	DELCO-REMY	10461001, 10461002, 10461003, 10461004, 10461005, 10461006, 10461007, 10461008, 10461010, 10461011, 10461013, 10461014, 10461015, 10461016, 10461018, 10461039, 10461040, 10461044, 10461058, 10461066, 10461069, 10461081, 10461082, 10461084, 10461089, 10461094, 10461098, 10461108, 10461110, 10461124, 10461152, 10461169, 10461170, 10461198, 10461200, 10461202, 10461207, 10461209, 10461210, 1046121010461225, 10461230, 10461231, 10461257, 10461276, 1046127610461277, 10461280, 10461281, 10461284, 10461295, 10461296, 10461297, 10461298, 10461299, 10461301, 10461302, 10461303, 10461313, 10461315, 10461316, 10461330, 10461387, 10461402, 10461404, 10461405, 10461416, 10461456, 10461500, 10461507, 10461522, 10461524, 10461525, 10461526, 10461718, 10461719, 10478805, 10478806, 10478811, 10478814, 10478819, 1047881910478825, 10478826, 10478831, 10478890, 10478921, 10478927, 10478928, 10478929, 10478930, 10478949, 10478950, 10478953, 10478957, 10478960, 10478976, 10479014, 10479034, 10479036, 10479047, 10479054, 10479068, 10479069, 10479095, 10479106, 10479107, 10479108, 10479133, 10479134, 10479169, 10479170, 10479174, 10479175, 10479176, 10479179, 10479180, 10479181, 10479186, 10479187, 10479188, 10479195, 1993759, 1993761, 1993765, 1993767, 1993769, 1993789, 1993790, 1993791, 1993793, 1993794, 1993799, 1993800, 1993817, 1993818, 1993829, 1993831, 1993832, 1993837, 1993838, 1993850, 1993851, 1993854, 1993855, 1993861, 1993862, 1993865, 1993866, 1993869, 1993871, 1993873, 1993874, 1993878, 1993879, 1993880, 1993881, 1993883, 1993884, 1993885, 1993886, 19938861993887, 1993891, 1993893, 1993894, 1993898, 1993901, 1993902, 19939021993903, 1993905, 1993910, 1993911, 1993914, 1993917, 1993918, 1993919, 1993920, 1993921, 1993926, 1993928, 1993930, 1993931, 1993947, 1993951, 1993953, 1993954, 1993955, 1993956, 1993958, 1993963, 1993964, 1993965, 1993967, 1993969, 1993970, 1993971, 1993972, 1993974, 1993979, 1993981, 1993986, 1993988, 1993992, 1993994, 1993997, 8300038, 8300039, 8300040, 8300041

APLICAÇÕES

CHEVROLET - GM CAMINHÃO 12.170 COM MOTOR CATERPILLAR 3116, CAMINHÃO 12.170 COM MOTOR CATERPILLAR 3126, CAMINHÃO 14.190 COM MOTOR CATERPILLAR 3116, CAMINHÃO 14.190 COM MOTOR CATERPILLAR 3126, CAMINHÃO 15.190 COM MOTOR CATERPILLAR 3116, CAMINHÃO 15.190 COM MOTOR CATERPILLAR 3126, CAMINHÃO 16.220 COM MOTOR CATERPILLAR 3116, CAMINHÃO 16.220 COM MOTOR CATERPILLAR 3126 **DIVERSAS** CAMINHÕES 17.310 4X2 MOTOR CUMMINS 6CTAA 8.3 6 CIL, CAMINHÕES 23.210 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES 23.220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES 23.310 6X2 MOTOR CUMMINS 6CTAA 8.3 6 CIL, CAMINHÕES 26.220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES 26.260 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES 26.310COM MOTOR CUMMINS 6CTAA 8.3 LITROS, TRATOR 18.310 TITAN, VOLKSWAGEN CAMINHÕES 17.220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS **FORD** CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 24V, CARGO MODELOS 1622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 1630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 2422 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 2622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 2626 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 2630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 2631 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 3222 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO MODELOS 4030 COM MOTOR CUMMINS 6CTAA 8.3 LITROS **MERCEDES BENZ** CAMINHÕES 1633, CAMINHÕES L1628, CAMINHÕES L1632, CAMINHÕES L1938, CAMINHÕES L1944, CAMINHÕES L2638, CAMINHÕES LS1632, CAMINHÕES LS1634, CAMINHÕES LS1938, CAMINHÕES S1938, ÔNIBUS OF1722, ÔNIBUS OH1628, ÔNIBUS PLATAFORMA O 400 SRE APÓS 06/2002, ÔNIBUS PLATAFORMAS O 400 RSD APÓS 06/2002

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1210-STD	1 x SC885-STD 1 x SC524-STD 1 x SC1811-STD	DELCO-REMY	10461020, 10461022, 10461023, 10461026, 10461027, 10461030, 10461031, 10461034, 10461035, 10461036, 10461037, 10461043, 10461063, 10461065, 10461075, 10461076, 10461077, 10461078, 10461091, 10461101, 10461102, 10461103, 10461131, 10461132, 10461133, 10461134, 10461135, 10461137, 10461139, 10461141, 10461143, 10461144, 10461147, 10461148, 10461149, 10461151, 10461162, 10461163, 10461164, 10461165, 10461166, 10461168, 10461185, 10461187, 10461193, 10461194, 10461204, 10461206, 10461213, 10461214, 10461217, 10461219, 10461222, 10461228, 10461232, 10461259, 10461267, 10461269, 10461271, 10461323, 10461324, 10461327, 10461337, 10461338, 10461345, 10461350, 10461353, 10461357, 10461361, 10461396, 10461397, 10461411, 10461412, 10461413, 10461509, 10461592, 10461778, 10478801, 10478802, 10478803, 10478804, 10478809, 10478810, 10478816, 10478820, 10478824, 10478836, 10478837, 10478839, 10478841, 10478892, 10478893, 10478896, 10478932, 10478933, 10478937, 10478938, 10478940, 10478943, 10478946, 10478948, 10478965, 10478966, 10478967, 10478968, 10478971, 10478975, 10478978, 10478979, 10478981, 10478985, 10478991, 10478997, 10478998, 10479000, 10479005, 10479007, 10479011, 10479012, 10479017, 10479018, 10479019, 10479037, 10479038, 10479049, 10479063, 10479064, 10479078, 10479080, 10479081, 10479082, 10479090, 10479099, 10479100, 10479103, 10479105, 10479110, 10479112, 10479113, 10479114, 10479118, 1989495, 1990348, 1990363, 1990365, 1990366, 1990371, 1990377, 1990378, 1990379, 1990380, 1990381, 1990393, 1990395, 1990396, 1990397, 1990406, 1990408, 1990411, 1990415, 1990416, 1990420, 1990422, 1990427, 1990430, 1990431, 1990432, 1990434, 1990435, 1990436, 1990438, 1990439, 1990441, 1990442, 1990446, 1990447, 1990448, 1990449, 1990450, 1990451, 1990452, 1990453, 1990455, 1990457, 1990462, 1990463, 1990464, 1990467, 1990483, 1990486, 1990487, 1990489, 1990492, 1990493, 1990494, 1993774, 1993775, 1993776, 1993783, 1993784, 1993785, 1993786, 1993801, 1993803, 1993807, 1993808, 1993811, 1993813, 1993816, 1993823, 1993826, 1993827, 1993835, 1993848, 1993849, 1993856, 1993863, 1993923, 1993925, 1993932, 1993942, 1993973, 1993975, 1993980, 1993984, 1993987, 1993991, 1993996, 1993998, 1993999, 8200015, 8200068, 8200089, 8200096, 8200110, 8200115, 8200116, 8200117, 8200122, 8200212, 8200215, 8200254, 8200256, 8200312, 8200320, 8200396, 8200517, 8200529, 8200601, 8200755, 8200870, 8200986, 8300003, 8300036, 8300037, 8300052

APLICAÇÕES

FORD CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 24V **MERCEDES-BENZ** CAMINHÕES TODOS COM MOTOR SÉRIE BR-400 12V, CAMINHÕES TODOS COM MOTOR SÉRIE BR-400 24V **VOLKSWAGEN** CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C 6I 24V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1220-STD	1 x SC2139-STD 1 x SC1199-STD 1 x SC608-2RS 1 x SC1824-STD	DELCO-REMY	9000846, 9G101

APLICAÇÕES

CHEVROLET - GM S10 COM MOTOR 2.2 8V **CHEVROLET-GM** ASTRA COM MOTOR 1.8 8V, ASTRA COM MOTOR 2.0 8V, ASTRA COM MOTOR 2.2 8V, ASTRA COM MOTOR 2.4 8V, BLAZER COM MOTOR 1.8 8V, BLAZER COM MOTOR 2.0 8V, BLAZER COM MOTOR 2.2 8V, BLAZER COM MOTOR 2.4 8V, ESPERO 2.0, MONZA COM MOTOR 1.8 8V, MONZA COM MOTOR 2.0 8V, MONZA COM MOTOR 2.2 8V, MONZA COM MOTOR 2.4 8V, S10 COM MOTOR 1.8 8V, S10 COM MOTOR 2.0 8V, S10 COM MOTOR 2.4 8V, VECTRA COM MOTOR 1.8 8V, VECTRA COM MOTOR 2.0 8V, VECTRA COM MOTOR 2.2 8V, VECTRA COM MOTOR 2.4 16V, ZAFIRA COM MOTOR 1.8 8V, ZAFIRA COM MOTOR 2.0 8V, ZAFIRA COM MOTOR 2.2 8V, ZAFIRA COM MOTOR 2.4 8V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1229-STD	1 x SC2198-STD 1 x SC1904-STD 1 x SC080-STD 1 x SC2197-STD	DELCO-REMY	9000891, 9000893, 93304772, B275A05B, PG260B

APLICAÇÕES

CHEVROLET-GM ASTRA COM MOTOR 2.0 16V, ASTRA COM MOTOR 2.0 8V, ASTRA COM MOTOR 2.2 16V, ASTRA COM MOTOR 2.2 8V, ASTRA COM MOTOR 2.4 16V, ASTRA COM MOTOR 2.4 8V, BLAZER COM MOTOR 1.8 8V, BLAZER COM MOTOR 2.0 16V, BLAZER COM MOTOR 2.0 8V, BLAZER COM MOTOR 2.2 16V, BLAZER COM MOTOR 2.2 8V, BLAZER COM MOTOR 2.4 16V, BLAZER COM MOTOR 2.4 8V, MERIVA COM MOTOR 1.8 16V DOCH, MERIVA COM MOTOR 1.8 8V SOHC, MONTANA COM MOTOR 1.8 16V DOCH, MONTANA COM MOTOR 1.8 8V SOHC, NOVO CORSA COM MOTOR 1.8 16V DOCH, NOVO CORSA COM MOTOR 1.8 8V SOHC, S10 COM MOTOR 1.8 8V, S10 COM MOTOR 2.0 16V, S10 COM MOTOR 2.0 8V, S10 COM MOTOR 2.2 16V, S10 COM MOTOR 2.2 8V, S10 COM MOTOR 2.4 16V, S10 COM MOTOR 2.4 8V, VECTRA COM MOTOR 1.8 8V, VECTRA COM MOTOR 2.0 16V, VECTRA COM MOTOR 2.0 8V, VECTRA COM MOTOR 2.2 16V, VECTRA COM MOTOR 2.2 8V, VECTRA COM MOTOR 2.4 16V, VECTRA COM MOTOR 2.4 8V, ZAFIRA COM MOTOR 1.8 8V, ZAFIRA COM MOTOR 2.0 16V, ZAFIRA COM MOTOR 2.0 8V, ZAFIRA COM MOTOR 2.2 16V, ZAFIRA COM MOTOR 2.2 8V, ZAFIRA COM MOTOR 2.4 16V, ZAFIRA COM MOTOR 2.4 8V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1238-STD	4 x SC2139-STD	DELCO-REMY	0001261001, 0001261002, 0001261025, 0001261026, 10461764, 10461765, 10461770, 10461771, 10461772, 19011400, 19011402, 19011403, 19011407, 19011409, 2P0911023B, 2P0911023E, 2R0911023C, 2R0911023E, 2R0911023F, 2R0911023H, 2S0911023A, 2T2911023A, 2W0911023H, 3916854, 3918376, 3918377, 3918378, 3926932, 7000428C1, 7003690C1, 7004303C1, 7004304C1, 7004307C1, 75264240, 75327465, 7C4511001AA, 7C4511001AB, 8200003, 8200004, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200196, 8200216, 8200231, 8200249, 8200257, 8200271, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200391, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200521, 8200564, 8200565, 8200570, 8200571, 8200621, 8200622, 8200677, 8200745, 8200796, 8200806, 8200810, 8200816, 8200826, 8200848, 8200849, 8200850, 8200851, 8200852, 8200853, 8200854, 8200866, 8200874, 8200875, 8200882, 8200883, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890, 8200906, 8201097, 8300063, 8300064, 87739573, 905720100108, 905720100109, 905720100110, 905720100111, 905720100112, 905720100113, A0051512201, A0051517601, A0051518301, A0051518501, A0051518502, A0061512101, A0061516701, A0071513401, A3761510201, A3761510301, A3761510401, A3761510501, BC4511001BA, F042002135, JNV911023

APLICAÇÕES

AGRALE ÔNIBUS W8, ÔNIBUSW9 **DAF** CAMINHÕES XF105.460, CAMINHÕES XF105.510 **DIVERSAS** MERCEDES BENZ **MERCEDES BENZ** SÉRIE S **MERCEDES-BENZ** CAMINHÕES 1215, CAMINHÕES 1218, CAMINHÕES 1418, CAMINHÕES 1718, CAMINHÕES 714C, CAMINHÕES 715, CAMINHÕES 915C, ÔNIBUS 0500M COM MOTORES ELETRÔNICOS 24V, ÔNIBUS 0500R COM MOTORES ELETRÔNICOS 24V, ÔNIBUS 0500U COM MOTORES ELETRÔNICOS 24V, ÔNIBUS LO 914 COM MOTORES ELETRÔNICOS 24V ÔNIBUS OF 1417 COM MOTORES ELETRÔNICOS 24V, ÔNIBUS OF 1418 COM MOTORES ELETRÔNICOS 24V, ÔNIBUS OF 1518 COM MOTORES ELETRÔNICOS 24V, ÔNIBUS OF 1721 COM MOTORES ELETRÔNICOS 24V, ÔNIBUS OF 1722 COM MOTORES ELETRÔNICOS 24V **SCANIA** CAMINHÕES P230, CAMINHÕES P270, CAMINHÕES P310, CAMINHÕES P340, CAMINHÕES P380, CAMINHÕES P420, CAMINHÕES P470, CAMINHÕES R230, CAMINHÕES R270, CAMINHÕES R310, CAMINHÕES R340, CAMINHÕES R380, CAMINHÕES R420, CAMINHÕES R470, CAMINHÕES T340, CAMINHÕES T380, CAMINHÕES T420, CAMINHÕES T470, ÔNIBUS K310 **VOLKSWAGEN** CAMINHÕES 13-180 CONSTELLATION, CAMINHÕES 17-260 CONSTELLATION, CAMINHÕES15-180 CONSTELLATION

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1264-STD	1 x SC3033-STD 1 x ROLAMENTO REF. 6200-2RS 1 x ROLAMENTO REF. 6003-2RS 1 x ROLAMENTO REF. 6005-2RS	DELCO-REMY	10479605, 10479621, 10479623, 10479626, 10479629, 10479630, 10479634, 10479637, 10479643, 10479644, 10479645, 10479648, 10479650, 10479651, 10479652, 10479654, 10479655, 1113276, 1113277;, 1113291

APLICAÇÕES

FORD CAMINHÕES CARGO 712 **KIA** BESTA **MERCEDES-BENZ** CAMINHÕES 709, CAMINHÕES 912, CAMINHÕES 914, SPRINTER 180

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1272-STD	1 x SC885-STD 1 x SC524-STD 1 x SC1060-STD	DELCO-REMY	10479013, 10479310

APLICAÇÕES

AGCO TRATORES **CATTERPILAR** COLHEITADEIRA, COMBINE MT875 **MASSEY FERGUSON** TRATOR 2360 CUMMINS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1280-STD	4 x SC1978-STD	DELCO-REMY	9.000.893, 93.304.772, B275A05B;

APLICAÇÕES

CHEVROLET - GM ASTRA C/ MOTOR 1.8, BLAZER COM MOTOR 1.8, CORSA 1.8 C/ MOTOR, MERIVA C/ MOTOR 1.8, MONTANA C/ MOTOR 1.8, S10 C/ MOTOR 1.8, VECTRA COM MOTOR 1.8, ZAFIRA COM MOTOR 1.8 **FIAT** DOBLO C/ MOTOR 1.8, PALIO C/ MOTOR 1.8, STILO C/ MOTOR 1.8, STRADA C/ MOTOR 1.8

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1293-STD	1 x SC2139-STD 1 x SC1199-STD 1 x SC1261-STD 1 x SC1726-STD	DELCO-REMY	8.000.014, 8.000.287, 9000871, 9.000.910, 9.000.973

APLICAÇÕES

CHEVROLET - GM BLAZER, S10 COM MOTOR 4.3 LITROS V6 - VORTEX **HYSTER** EMPILHADEIRA COM MOTOR GM 4.3L VORTEX, EMPILHADEIRA S135-155XL2, EMPILHADEIRA S80-120FT

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2091-STD	1 x SC2198-STD 1 x SC2145-STD 1 x SC2197-STD 1 x SC2243-STD	DELCO-REMY	8000158, 8000159, 9000890, 9000891

APLICAÇÕES

CHEVROLET ADVANTAGE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA, ASTRA ADVANTAGE 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA CONFORT FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELEGANCE 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELEGANCE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELITE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA FLEXPOWER SUPER SPORT 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA GL 2.0 L 8V SOHC L4 (1994 A 2009), ASTRA GL MPFI 1.8 L 8V SOHC L4 (1998 A 2004), ASTRA GL MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA GL MPFI 8V 1.8 L 8V SOHC L4 (1998 A 2001), ASTRA GLS 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA GLS MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA SPORT MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA ÚNICA 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA ÚNICA MPFI 2.0 L 8V SOHC L4 (1998 A 2004), BLAZER DLX EFI 2.2 L 8V SOHC L4 (1995 A 1998), BLAZER STD EFI 2.2 L 8V SOHC L4 (1995 A 1998), BLAZER STD MPFI 2.2 L 8V SOHC L4 (1997 A 2000), IPANEMA GL EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/AMB MPFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/FLA EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/SLE/WAVE EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/SOL/WIND EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA SL EFI 1.8 L 8V SOHC L4 (1991 A

1997), IPANEMA SL/SOL 1.8 L 8V SOHC L4 (1989 A 1991), IPANEMA SLE/GL EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS 1.8 L 8V SOHC L4 (1989 A 1991), IPANEMA SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS/EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETT GL/GLS/SPO MPFI 2.0 L 8V SOHC L4 (1996 A 1998), KADETT GL/GLS/SPOR EFI 2.0 L 8V SOHC L4 (1991 A 1997), KADETT GS 2.0 L 8V SOHC L4 (1989 A 1991), KADETT GSI MPFI 2.0 L 8V SOHC L4 (1991 A 1995), KADETT MPFI CONV. GSI 2.0 L 8V SOHC L4 (1991 A 1995), KADETT SL/GL 1.8 L 8V SOHC L4 (1989 A 1991), KADETT SL/GL/LITE EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETT SLE/GLS - EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETT SLE/GLS 1.8 L 8V SOHC L4 (1989 A 1991), KADETT SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1997), MERIVA EXPRESSION 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA JOY FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA MAXX FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA PREMIUM 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA PREMIUM FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA SUPER SPORT 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA ÚNICA 1.8 L 8V SOHC L4 (2002 A 2003), MONTANA CONQUEST 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA CONQUEST MPFI 1.8 L 8V SOHC L4 (2003 A 2005), MONTANA FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2007), MONTANA MÉXICO 4X2 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA OFF-ROAD 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA SPORT 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA SPORT MPFI 1.8 L 8V SOHC L4 (2003 A 2005), MONZA CLASSIC 1.8 L 8V SOHC L4 (1984 A 1991), MONZA CLASSIC EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA CLASSIC EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA CLASSIC SE 1.8 L 8V SOHC L4 (1984 A 1991), MONZA CLASSIC SE 2.0 L 8V SOHC L4 (1986 A 1991), MONZA CLASSIC SE EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA CLASSIC SE EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA CLASSIC SE MPFI 2.0 L 8V SOHC L4 (1989 A 1993), MONZA L/SL/GL/CLUB/BA 1.8 L 8V SOHC L4 (1984 A 1991), MONZA L/SL/GL/CLUB/BA 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL HACTH 1.8 L 8V SOHC L4 (1982 A 1986), MONZA SL/E/GLS 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL/E/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/E/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/BA/CLU EF 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/GL/BA/CLU EF 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/BAS/CLUB/ 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SL/GL/CLU/BA EF 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/GL/CLU/BA EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/CLUB/GTD/ 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL/SLE/GLS 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SL/ST HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SL/ST/SR/L HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SLE HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SLE HATCH 2.0 L 8V SOHC L4 (1987 A 1988), MONZA SLE/GLS 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SLE/GLS 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SLE/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA STD 1.8 L 8V SOHC L4 (1984 A 1991), S10 EFI/ME EFI LUXE 2.2 L 8V SOHC L4 (1995 A 1998), S10 EFI/ME STD 2.2 L 8V SOHC L4 (1995 A 1998), S10 STD MPFI 2.2 L 8V SOHC L4 (1997 A 2000), VECTRA CD 2.0 L 8V SOHC L4 (1993 A 1996), VECTRA COLLECTION 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA CONFORT 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA ELEGANCE 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA ELEGANCE NLEV 2.0 L 8V SOHC L4 (2005 A 2011), VECTRA ELEGANCE TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA ELITE 2.0 L 8V SOHC L4 (2003 A 2011), VECTRA ELITE 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA ELITE TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA EXPRESSION 2.0 L 8V SOHC L4 (2005 A 2011), VECTRA EXPRESSION TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA GL 2.0 L 8V SOHC L4 (1996 A 2005), VECTRA GL 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA GLS 2.0 L 8V SOHC L4 (1993 A 1996), VECTRA GLS 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA GT 2.0 L 8V SOHC L4 (2007 A 2009), VECTRA GT-X 2.0 L 8V SOHC L4 (2009 A 2011), ZAFIRA CONFORT FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA CONFORT FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELEGANCE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELEGANCE FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELITE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELITE FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA EXPRESSION FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA EXPRESSION FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA FLEX POWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA MPFI 8V 2.0 L 8V SOHC L4 (2001 A 2004)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2128-STD	1 x SC3035-STD 1 x SC1824-STD 1 x ROLAMENTO REF. 6200-2RS 1 x ROLAMENTO REF. 6204-RS C3	DELCO-REMY	10461764, 10461765, 10461771, 10461772, 19011400, 19011402, 19011403, 19011407, 19011409, 8200003, 8200004, 8200011, 8200014, 8200054, 8200064, 8200065, 8200103, 8200138, 8200141, 8200196, 8200231, 8200271, 8200292, 8200295, 8200296, 8200297, 8200326, 8200331, 8200357, 8200386, 8200387, 8200400, 8200474, 8200478, 8200495, 8200511, 8200512, 8200521, 8200564, 8200571, 8200807, 8200816, 8200826, 8200848, 8200849, 8200850, 8200853, 8200854, 8200866, 8200873, 8200875, 8200882, 8200884, 8200885, 8200886, 8200887, 8200889, 8200890, 8201097, 8300063, A0061512101

APLICAÇÕES

AGRALEÔNIBUS W8, W9 **CONSTELLATION** 15-180, 17-260(29MT), 3-180 **MERCEDES-BENZ** 1215, 1218, 1418, 1718, 714, 715, 915 **ÔNIBUS** LO914, O-500, OF1518

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2186-STD	3 x SC2324-STD	DELCO-REMY	0001125625, 0001147408, 0001147409, 04801694AC, 28100-0L071, 36100-03400, 428000-4490, 428000-4880, 428000-5380, 4280005950, 428000-7400, 428000-9500, 4380000140, 438000-0471, 63111016, 8000660P, 80023936, 9000846, 9000981, 9000981P, 9G101;, BC428000-9500, BC4380003370, C132M70R21699, F000AL0111, JM000A15001, PG260B

APLICAÇÕES

CHEVROLET - GM ASTRA COM MOTOR 1.8 8V, ASTRA COM MOTOR 2.0 8V, ASTRACOM MOTOR 2.2 8V, ASTRACOM MOTOR 2.4 8V, BLAZER COM MOTOR 2.0 8V, BLAZER COM MOTOR 2.2 8V, BLAZER COM MOTOR 2.4 8V, BLAZERCOM MOTOR 1.8 8V, ESPERO2.0, MONZA COM MOTOR 1.8 8V, MONZA COM MOTOR 2.0 8V, MONZA COM MOTOR 2.2 8V, MONZA COM MOTOR 2.4 8V, S10 COM MOTOR 1.8 8V, S10 COM MOTOR 2.0 8V, S10 COM MOTOR 2.2 8V, S10 COM MOTOR 2.4 8V, VECTRA COM MOTOR 2.0 8V, VECTRA COM MOTOR 2.2 8V, VECTRA COM MOTOR 2.4 16V, VECTRACOM MOTOR 1.8 8V, ZAFIRA COM MOTOR 1.8 8V, ZAFIRA COM MOTOR 2.0 8V, ZAFIRA COM MOTOR 2.2 8V, ZAFIRA COM MOTOR 2.4 8V **TOYOTA** HILUX 2.5 DIESEL, HILUX 2.8, HILUX 3.0

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2270-STD	1 x ROLAMENTO REF. 6205-ZZ 1 x ROLAMENTO REF. 6301-2RS 1 x ROLAMENTO REF. HK-1612 1 x ROLAMENTO REF. HK-3012	DELCO-REMY	8200005, 8200053, 8200072, 8200356

APLICAÇÕES

DIVERSAS CARGO, CASE, CUMMINS **VOLKSWAGEN** CONSTELLATION

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2606-STD	4 x SC2076-STD	DELCO-REMY	

APLICAÇÕES

DIVERSAS ENGRENAGEM PLANETÁRIA HYUNDAI HR, ENGRENAGEM PLANETÁRIA KIA BONGO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2694-STD	3 x SC3447-STD	DELCO-REMY	GM24587020

APLICAÇÕES

CHEVROLET AGILE, CELTA, COBALT, CORSA CLASSIC, MONTANA, ONIX, PRISMA, SPIN

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0013-STD	3 x SC3445-STD	DENSO	02M911021F, 438000-0920

APLICAÇÕES

VOLKSWAGEN FOX;, GOL G6, GOLF, SAVEIRO G6, UP 1.0, VOYAGE G6

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2084-STD	2 x SC2309-STD 1 x SC1915-STD	DENSO	228000-6440, 228000-6446, RE659589

APLICAÇÕES

JOHN DEERE COLHEITADEIRA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2281-STD	1 x SC3035-STD 1 x SC3447-STD 1 x SC3439-STD 1 x SC3500-STD	DENSO	80023936, BC428000-9391, BC428000-9500

APLICAÇÕES

FIAT ARGO 1.8L (01/2018), CRONOS 1.8L FLEX (01/2018), GRAND SIENA (01/2012), PALIO (01/2012), SIENA (01/2012), TORO (01/2016), TORO 1.8 FLEX (01/2016) **JEEP** RENEGADE (01/2015), RENEGADE 1.8 FLEX (01/2015)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2692-STD	1 x SC2245-STD 1 x SC3035-STD 1 x SC3485-STD 1 x SC3476-STD	DENSO	428008420, BJ32-11001-AC

APLICAÇÕES

LAND ROVER FREELANDER 2.0 SI 4X4 (2012->), LR2 2.0 (2013-2014), RANGE ROVER EVOQUE 2.0 SI4 4X4 (2011->)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0207-STD	1 x SC2245-STD 1 x SC3477-STD 1 x SC3478-STD 1 x SC3485-STD	FORD / MOTORCRAFT	281000Y080, 4280005011

APLICAÇÕES

FIAT PANDA1.3(2012->) **HONDA** ACCORD2.0(2008->), CIVIC1.6(2005->), CIVIC1.8(2005-2010), CIVIC2.0(2008), CR-V2.0(2007->), FR-V1.8(2007->) **TOYOTA** COROLLA, ETIOS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0332-STD	1 x SC2145-STD 1 x ROLAMENTO REF. SCE 129P	FORD / MOTORCRAFT	8G1T-11000-AE

APLICAÇÕES

FORD EDGE3.5V6, TAURUS2.0, TAURUS3.5

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1213-STD	2 x SC2145-STD 1 x SC1100-STD 1 x SC3008-STD	FORD / MOTORCRAFT	40752050, 96FB11000AA

APLICAÇÕES

FORD COURIER, ESCORT 1.8 16V COM MOTOR ZETEC, FIESTA, FIESTA COM MOTOR 1.3 ENDURA A GASOLINA, FOCUS, KA, KA COM MOTOR 1.3 ENDURA A GASOLINA, MONDEO, RANGER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1219-STD	1 x SC3035-STD 1 x SC2166-STD 1 x SC608-2RS 1 x SC1905-STD	FORD / MOTORCRAFT	0062-A, 1S4U11000AA, 1S7U11000BA, 1S7U11000BB, 1S7U11000BC, 2S7T11000DA, 2S7T11000DB, 2S7T11000DC, 97BB11000B3D, 97BB11000BB, 97BB11000BC, 97VB11000AA, 97VB11000AB, 98AB11000AC, 98AB11000AD, 98VB11000B3B, 98VB11000BA, F87U1100-DD, YC1U11000AB, YC1U11000AC, YC1U11000AD, YC1U11000AE, YC1U11000AF, YC1U11000AG

APLICAÇÕES

FORD ESCORT, F1000 (C/ MOTOR MAXION), FIESTA, FOCUS, KA, MAVERICK, MONDEO, RANGER (C/ MOTOR MAXION), TRANSIT

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1224-STD	4 x SC1902-STD	FORD / MOTORCRAFT	0062-AI, F87U1100-DD

APLICAÇÕES

FORD FIESTA ZETEC, FOCUS ZETEC, KÁ ZETEC, MONDEO ZETEC, RANGER DIESEL

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2094-STD	1 x SC1101-STD 1 x SC2203-STD 1 x SC3011-STD 1 x SC2056-STD	FORD / MOTORCRAFT	

APLICAÇÕES

FORD F1000, RANGER HSD

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2134-STD	1 x SC1856-STD 1 x SC2258-STD	FORD / MOTORCRAFT	XS6U11000AD

APLICAÇÕES

FORD COURIER, COURRIER, FIESTA, RANGER, TAURUS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2159-STD	1 x SC608-2RS 1 x ROLAMENTO DE ESFERAS 6004 2RS 1 x ROLAMENTO REF. 6005-2RS 1 x ROLAMENTO REF. 6905-RS	HITACHI	S25-163A

APLICAÇÕES

DIVERSAS CASE, CATERPILLAR, ISUZU, JCB, KOBELCO **GMC** CAMINHÃO 7110 **NKR 400** 4.3 16V 4HFI TURBO DIESEL 4CC (DE 1998 A 2002) **NPK 400** 4.3 16V 4HFI TURBO DIESEL 4CC (DE 1998 A 2002)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2294-STD	1 x SC3469-STD 1 x SC2023-STD 1 x SC3470-STD 1 x SC3471-STD	HITACHI	23300EN20A, 5114.902A

APLICAÇÕES

NISSAN LIVINA S/SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA SL AUTO FLEX 1.8 L 16V DOHC L4 (2009 A 2014), LIVINA X GEAR SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.8 L 16V DOHC L4 (2009 A 2014), SENTRA GXE AT 1.8 L 16V DOHC L4 (2000 A 2006), SENTRA GXE AT 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA S 2.0 L 16V DOHC L4 (2014 A 2016), SENTRA S/SL 2.0 L 16V DOHC L4 (2009 A 2013), SENTRA SE 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA SER 1.6 L 8V SOHC L4 (1990 A 1996), SENTRA SL 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA SV 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA UNIQUE 2.0 L 16V DOHC L4 (2014 A 2016), TIIDA S/SL 1.8 L 16V DOHC L4 (2007 A 2013) **RENAULT** FLUENCE DYNAMIQUE 2.0 2.0 L 16V DOHC L4 (2015 A 2016), FLUENCE DYNAMIQUE 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE 2.0 CVT 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE PLUS 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE PLUS 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE EXPRESSION - TAXI 1.6 L 16V DOHC L4 (2012 A 2014), FLUENCE GT LINE 2.0 L 16V DOHC L4 (2014 A 2016), FLUENCE GT TURBO 2.0 L 16V DOHC L4 (2013 A 2014), FLUENCE PRIVILEGE 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE PRIVILEGE 2.0 L 16V DOHC L4 (2011 A 2018)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0020-STD	1 x SC1871-STD 2 x SC1227-STD 1 x SC2056-STD	ISKRA	

APLICAÇÕES

DIVERSAS PERFURATRIZ - MOTOR DE PARTIDA ESTACIONÁRIO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0210-STD	1 x SC1101-STD 1 x SC085-STD 1 x SC2217-STD 1 x SC3448-STD	ISKRA	35260950, 35263300, 6229400M91, 6229-400M91, AZE4221, IS1185, ISK11131659, ISK11131963, ISK11132050, ISK11132151, ISK11132168

APLICAÇÕES

AGCO TRATORES **DIVERSAS** VOLARE **MASSEY FERGUSON** 200, 265, 283, 290, 292, 293, 4265, 4275, 4283, 4290, MX720, MX750

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1235-STD	1 x SC2208-STD 1 x SC2209-STD 1 x SC1726-STD	ISKRA	0001367001

APLICAÇÕES

CASE MX **NEW HOLLAND** SÉRIE TM 135, SÉRIE TM 160, SÉRIETM 150 **VALTRA** BH, BM

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1260-STD	1 x SC2208-STD 1 x SC2058-STD 1 x SC2235-STD	ISKRA	11130203, 11130216, 11130248, 11130432, 11130500, 11130502, 11130503, 11130520, 11130521, 11130525, 11130526, 11130532, 11130548, 11130551, 11130552, 11130554, 11130565, 11130567, 11130579, 11130585, 11130618, 11130620, 11130624, 11130627, 11130629, 11130631, 11130659, 11130839, 11130872, 11130998, 11131015, 11131573, 11131729, 11132429, AZJ3123, AZJ3137, AZJ3139, AZJ3140, AZJ3148, AZJ3149, AZJ3150, AZJ3151, AZJ3156, AZJ3157, AZJ3166, AZJ3169 AZJ3170, AZJ3172, AZJ3177, AZJ3179, AZJ3182, AZJ3184, AZJ3195, AZJ3197, AZJ3198, AZJ3201 AZJ3203, AZJ3205, AZJ3212, AZJ3292, AZJ3305, AZJ3352, AZJ3355, AZJ3457, AZJ3482, AZJ3538 AZJ3542, AZJ3552;

APLICAÇÕES

FORD TRATORES **NEW HOLLAND** COLHEITADEIRA TC-59, TRATORES **VALMET** TRATORES **VALTRA** TRATORES

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1263-STD	1 x SC1774-STD 1 x SC2058-STD 1 x SC2235-STD	ISKRA	

APLICAÇÕES

VALMET BH180 DE 2004 EM DIANTE, VALMET DE 1985 ATÉ 1995 **VALTRA** VALTRA 1080, VALTRA 1380, VALTRA 885, VALTRA DE 1990 ATÉ 2013

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1269-STD	1 x SC2058-STD 1 x SC1726-STD 1 x SC1001-3X	ISKRA	11131077, AZF4545, IS1023;

APLICAÇÕES

MASSEY FERGUSON TRATOR MF 275 C/ MOTOR, TRATOR MF 291 C/ MOTOR, TRATOR MF 297 C/ MOTOR PERKINS, TRATOR MF 299 C/ MOTOR PERKINS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1270-STD	1 x SC2234-STD 1 x SC1774-STD 1 x SC2235-STD	ISKRA	11130627;

APLICAÇÕES

DIVERSAS CASE MXM135 MX150 MXM180 **NEW HOLLAND** TM135, TM150, TM180

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1274-STD	1 x SC085-STD 1 x SC2231-STD 1 x SC1726-STD	ISKRA	11130179, 11130201, 11130364, 11130367, 11130402, 11130403, 11130407, 11130408, 11130409, 11130411, 11130412, 11130436, 11130490, 11130491, 11130492, 11130514, 11130534, 11130537, 11130553, 11130595, 11130596, 11130598, 11130619, 11130626, 11130660, 11130665, 11130671, 11130672, 11130673, 11130676, 11130679, 11130685, 11130686, 11130687, 11130688, 11130692, 11130695, 11130704, 11130705, 11130709, 11130710, 11130739, 11130741, 11130743, 11130750, 11130751, 11130762, 11130766, 11130783, 11130784, 11130795, 11130798, 11130807, 11130808, 11130811, 11130819, 11130820, 11130821, 11130823, 11130824, 11130850, 11130860, 11130862, 11130863, 11130881, 11130889, 11130895, 11130896, 11130897, 11130898, 11130937, 11130940, 11130977, 11130993, 11131006, 11131017, 11131038, 11131053, 11131070, 11131085, 11131086, 11131093, 11131104, 11131139, 11131140, 11131143, 11131144, 11131162, 11131218, 11131219, 11131236, 11131249, 11131353, 11131377, 11131388, 11131394, 11131522, 11131525, 11131913, 11131997, 11132458, 11132498, 11132501, AZJ3109, AZJ3110, AZJ3113, AZJ3114, AZJ3115, AZJ3117, AZJ3118, AZJ3124, AZJ3131, AZJ3132, AZJ3133, AZJ3146, AZJ3158, AZJ3160, AZJ3171 AZJ3186, AZJ3187, AZJ3188, AZJ3196, AZJ3199, AZJ3213, AZJ3217, AZJ3220, AZJ3221, AZJ3222 AZJ3223, AZJ3226, AZJ3229, AZJ3231, AZJ3232, AZJ3234, AZJ3236, AZJ3242, AZJ3243, AZJ3246 AZJ3247, AZJ3261, AZJ3262, AZJ3263, AZJ3268, AZJ3269, AZJ3274, AZJ3277, AZJ3281, AZJ3282 AZJ3283, AZJ3284, AZJ3285, AZJ3286, AZJ3287, AZJ3294, AZJ3297, AZJ3299, AZJ3301, AZJ3310 AZJ3314, AZJ3317, AZJ3318, AZJ3319, AZJ3320, AZJ3324, AZJ3327, AZJ3330, AZJ3331, AZJ3333 AZJ3339, AZJ3342, AZJ3350, AZJ3351, AZJ3353, AZJ3356, AZJ3364, AZJ3367, AZJ3369, AZJ3374 AZJ3375, AZJ3376, AZJ3381, AZJ3385, AZJ3386, AZJ3387, AZJ3388, AZJ3389, AZJ3402, AZJ3403 AZJ3404, AZJ3405, AZJ3413, AZJ3418, AZJ3426, AZJ3427, AZJ3436, AZJ3437, AZJ3465, AZJ3466 AZJ3483, AZJ3484, AZJ3486, AZJ3525, AZJ3537, AZJ3593, AZJ3595

APLICAÇÕES

CASE MÁQUINAS DIVERSAS **NEW HOLLAND** MÁQUINAS DIVERSAS **VALMET** MÁQUINAS DIVERSAS **VALTRA** BH 180, MÁQUINAS DIVERSAS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1283-STD	1 x SC2201-STD 1 x SC1227-STD 1 x SC2211-STD 1 x ROLAMENTO REF. 6001-2RS	ISKRA	AZF45;

APLICAÇÕES

FORD CAMINHÕES CARGO **VOLKSWAGEN** CAMINHÕES CONSTELLATION

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1320-STD	1 x SC1101-STD 1 x SC2211-STD 1 x ROLAMENTO REF. 6001-2RS 1 x ROLAMENTO REF. 6008-2RS	ISKRA	111.31.260, 111.31.798, 111.31.830, AZF46;

APLICAÇÕES

VOLKSWAGEN CAMINHÃO CARGO, COSTELATION C/ MOTOR MWM

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2215-STD	1 x SC2208-STD 1 x SC2058-STD 1 x SC1726-STD	ISKRA	

APLICAÇÕES

NEW HOLLAND TC-59

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2607-STD	1 x SC1871-STD 1 x SC085-3X 1 x SC085-STD 1 x SC2283-STD	ISKRA	

APLICAÇÕES

DIVERSAS MOTOR ESTACIONÁRIO PERFURATRIZ

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0012-STD	5 x SC2022-STD	MAGNETI MARELLI	63114014, E95RL

APLICAÇÕES

CITROËN JUMPER 2.8 HDI **FIAT** DUCATO 1.9 DIESEL, DUCATO 2.5 DIESEL, DUCATO 2.5 TDI, DUCATO 2.8 DIESEL, DUCATO 2.8 TDI **PEUGEOT** BOXER

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1207-2X **KIT SC1207-3X** **KIT SC1207-STD**	1 x SC3035-STD 1 x SC3036-STD	MAGNETI MARELLI	063101000010, 063101002010, 063101008010, 063102000010, 063102003010, 063102004010, 063102007010, 063102008010, 063103002010, 063103003010, 063103007010, 063103008010, 063103015010, 063103019010, 063103022010, 063103023010, 063103024010, 063103025010, 063103026010, 063192000010, 063201008010, 063222888010, 063222889010, 063222900010, 063222901010, 063222904010, 063222905010, 063222908010, 063222909010, 063222936010, 063223085010, 063223101010, 063223106010, 063223108010, 063223109010, 063223200010, 063223303010, 631.020.03, 631.110.16

APLICAÇÕES

FIAT PALIO 1996 A 2000, PALIO WEEKEND COM MOTOR 1.6 16V, SIENA 1996 A 2000, STRADA 1996 A 2000, TEMPRA 1996 A 1998, TIPO DE 1995 A 1996, UNO MILLE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0014-STD	3 x SC1871-STD	MITSUBISHI	03301H000, 233001HC0D, M000TD0971

APLICAÇÕES

NISSAN MARCH

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0017-STD	1 x SC3460-STD 1 x SC2206-STD 1 x SC3035-STD 1 x SC2286-STD	MITSUBISHI	03301H000, 233001HC0D, M000TD0971

APLICAÇÕES

NISSAN MARCH

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0271-STD	1 x SC2206-STD 1 x SC3035-STD 1 x SC3476-STD 1 x SC3475-STD	MITSUBISHI	M000T85681

APLICAÇÕES

CHEVROLET- GM TRACKER **SUZUKI** VITARA 2.0 16V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0311-STD	1 x SC2206-STD 1 x SC3035-STD 1 x SC2258-STD 1 x SC2276-STD	MITSUBISHI	9E5T-11000-AC, M000T16271ZC, M000T25171ZC, M000TD1371ZE

APLICAÇÕES

FIAT TORO **FORD** FUSION3.0LV6(2010) **JEEP** COMPASS2.4 **MERCURY** MILAN3.0LV6(2010) **NISSAN** VERSA **RENAULT** LOGAN2018, SANDERO(2018)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0328-STD	1 x SC2206-STD 1 x SC3035-STD	MITSUBISHI	1111010000000X, 11181993710817NC, 1250300, 12601721, 12617229, 12673600, 12680615, 183117860, 36100-23060, 56029712AB, 695085118, 6E5T-11000-AB, 9E5T-11000-AC, BZ163492937817MC, M000T16271ZC, M000T25171ZC, M000T36571ZC, M000T371ZC, M000T88481ZC, M000T92581, M000TD1371ZE

APLICAÇÕES

BUICK ALLURE 3.6 (2007-2010), ENCLAVE 3.6 (2008-2017), LACROSSE 3.6 (2007-2016), RENDEZVOUS 3.6 (2006) **CADILLAC** ATS (2013-2015), CTS 3.6 (2007-2013), SRX 3.6 (2006-2016), STS 3.6 (2006-2011), XTS 3.6 (2013) **DIVERSAS** TRACKER (2017-2019) **FIAT** TORO **FORD** FUSION 2.3 (2006-2010), FUSION 3.0L V6 (2010) **GM** ACADIA 3.6 (2007-2015), CAMARO 3.6 (2010-2015), CANYON 3.6 (2015-2016), CAPRICE (2011-2013), CAPTIVA 3.6 V6, COLORADO 3.6 (2013-2016), CRUZE (2016-2019), EQUINOX 3.6 (2008-2017), IMPALA 3.6 (2014-2017), MALIBU 3.6 (2008-2012), TERRAIN 3.6 (2013-2017), TRAVERSE 3.6 (2009-2017) **HYSTER** H-25/35/40/50/60 (1998-2008), S-25/35/40/45/50/55/60 (1998-2008) **HYUNDAI** COUPE 1.6 16V (1998-2002), COUPE 1.6 I 16V (1996-2002), COUPE 2.0 (2002->), COUPE 2.0 16V (1996-2002), ELANTRA 1.8 (1998-2002), ELANTRA 2.0 (1999-2001), ELANTRA 2.0 GLS (2002-2003), ELANTRA 2.0 GT (2002-2003), LANTRA 1.6 (1995-2000), LANTRA 1.6 16V (1995-2000), LANTRA 1.8 16V (1995-2000), LANTRA 2.0 16V (1996-2000), MATRIX 1.8 (2001->), TIBURON 1.8 (1997), TIBURON 2.0 (1998-2001), TIBURON 2.0 FX (1997-1998) **JEEP** COMPASS 2.4 **KIA** CERATO 2.0 (2004->) **MERCURY** MILAN 2.3 (2006-2010), MILAN 3.0L V6 (2010) **NISSAN** VERSA **OPEL** ASTRA, INSIGNIA 1.5 (2017->), INSIGNIA 1.5 COUNTRY TOURER (2017->), INSIGNIA 1.5 SPORTS TOURER (2017->), MOKKA 1.4 (2016->) **PONTIAC** AURA 3.6 (2007-2009), G6 3.6 (2007-2009), OUTLOOK 3.6 (2007-2010), TORRENT 3.6 (2008-2009), VUE (2008-2010) **RENAULT** LOGAN 2018, SANDERO (2018) **YALE** GE (1999-2009)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0333-STD	1 x ROLAMENTO REF. 629-2RS 1 x ROLAMENTO REF. 6204-RS C3	MITSUBISHI	

APLICAÇÕES

IVECO 180E247.8(2000-2004), 180T247.8(2004-2006), 180T277.8(2004-2006), 180T317.8(2004-2006), 190E247.8(2000-2004), 190E277.8(2000-2003), 190E317.8(2000-2004), 190E35(2000-2004), 190S277.8(2003-2006), 190S307.8(2003-2006), 190S35(2003-2006), 190S367.8(2003-2006), 190T277.8(2004-2006), 190T317.8(2004-2006), 190T337.8(2006->), 190T357.8(2004-2006), 190T367.8(2006->), 260E247.8(2000-2003), 260E277.8(2000-2004), 260E317.8(2000-2004), 260E357.8(2000-2004), 260S277.8(2003-2006), 260S307.8(2003-2006), 260S317.8(2003-2006), 260S337.8(2006->), 260S35(2003-2006), 260S367.8(2006->), 260T317.8(2004-2006), 260T337.8(2006->), 260T357.8(2004-2006), 260T367.8(2006->), 340T357.8(2004-2006), 340T367.8(2006->).

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1233-STD	1 x SC2047-STD 1 x SC2206-STD 1 x SC2204-STD 1 x SC2205-STD	MITSUBISHI	

APLICAÇÕES

MITSUBISHI CLARK EMPILHADEIRAS, HYSTER EMPILHADEIRAS, YALE EMPILHADEIRAS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1236-STD	2 x SC2210-STD 1 x SC2211-STD 1 x ROLAMENTO REF. 629-2RS	MITSUBISHI	90500860, M002787771

APLICAÇÕES

DODGE RAM-50 **FORD** RANGER **MITSUBISHI** L200, L300, PAJERO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1239-STD	1 x SC2139-STD 1 x SC2206-STD 1 x SC1846-STD 1 x SC2211-STD	MITSUBISHI	M000T80081, M000T80381, M000T80881, M000T80981, M000T81081, M000T82081, M000T92581 M0T80081, M0T80381, M0T80881, M0T80981, M0T81081, M0T82081, M0T92581;

APLICAÇÕES

CHEVROLET - GM CARROS S10 **KIA** CARROS RIO I 1.3, CARROS RIO I 1.5 **MARCOPOLO** ÔNIBUS VOLARE **MAZDA** CARROS 323 VI 1.4 16V, CARROS 323 VI 1.5 16V, CARROS 626 V 1.8, CARROS 626 V 2.0, CARROS MPV II 2.0 16V, CARROS MX-5 II 1.6I, CARROS MX-5 II 1.8I, CARROS PREMACY 1.8, CARROS PREMACY 2.0

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1261-STD	1 x SC3035-STD 1 x ROLAMENTO REF. 629-2RS 1 x ROLAMENTO REF. 6805-ZZ 1 x ROLAMENTO REF. 6205-ZZ	MITSUBISHI	20430564, 20572417, 20714203, 20891242, 2129976, 21632125, 21632127, 21632133, 85000087, 85000746, M009T61171, M009T62171, M009T62172, M009T62173, M009T62173ZA, M009T66371 M009T66372, M009T66373, M009T82171, M9T62173, MPM62173, MT961171, ZM8089001;

APLICAÇÕES

VOLVO CAMINHÕES FH12/340, CAMINHÕES FH12/380, CAMINHÕES FH12/420, CAMINHÕES FH12/460, CAMINHÕES FH12/500, CAMINHÕES FM12/340, CAMINHÕES FM12/420, ÔNIBUS B12, ÔNIBUS B13

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1262-STD	1 x SC2139-STD 1 x SC2206-STD 1 x SC3036-STD 1 x SC2211-STD	MITSUBISHI	M003T10473, M003T10475, M003T10476, M3T10473;

APLICAÇÕES

HYSTER EMPILHADEIRA **MITSUBISHI** EMPILHADEIRA YALE GLP-050

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2064-STD	1 x SC2206-STD 1 x SC2205-STD 1 x SC2320-STD 1 x SC2238-STD	MITSUBISHI	M001T79781

APLICAÇÕES

CHEVROLET - GM ÔMEGA **CLARK** EMPILHADEIRA **HYSTER** EMPILHADEIRA **MITSUBISHI** PAJERO (6CC) COM FOCINHO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2121-STD	1 x SC3035-STD 1 x ROLAMENTO REF. 629-2RS 1 x SC2298-STD 1 x SC2277-STD	MITSUBISHI	M002T87771ZA

APLICAÇÕES

CHEVROLET - GM BLAZER, S10 **TROLLER** T4 C/ MOTOR MWM 2.8 DIESEL

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2149-STD	1 x SC2139-STD 1 x SC2206-STD 1 x SC3035-STD 1 x SC2211-STD	MITSUBISHI	M000T32175ZC, M002T54571, M002T54572

APLICAÇÕES

HYSTER EMPILHADEIRA C/ MOTOR MAZDA HA, EMPILHADEIRA C/ MOTOR MAZDA XA **YALE** EMPILHADEIRA GDP-050

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2299-STD	1 x SC2206-STD 2 x SC3035-STD 1 x SC2313-STD	MITSUBISHI	56041014, M001T74287ZC

APLICAÇÕES

CHEVROLET-GM S10 **DIVERSAS** BLAZER **JEEP** CHEROKEE **MITSUBISHI** TR4 **TROLLER** T4

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2422-STD	1 x SC1904-STD 1 x SC2206-STD 1 x SC3035-STD 1 x SC2276-STD	MITSUBISHI	3110063010, M000T21671

APLICAÇÕES

DIVERSAS MITSUBISHI **SUZUKI** GRAND VITARA 4×4

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2459-STD	1 x SC2201-STD 1 x SC2206-STD 1 x SC3035-STD 1 x SC2217-STD	MITSUBISHI	1362069, 20632, M000T84381

APLICAÇÕES

HISTER EMPILHADEIRAXM **YALE** EMPILHADEIRA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2697-STD	1 x SC2047-STD 1 x SC2206-STD 1 x SC3476-STD 1 x SC3475-STD	MITSUBISHI	9812464180, M000T93981

APLICAÇÕES

CITROEN AIRCROSS, C4 **PEUGEOT** 208

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0007-STD	1 x SC3001-STD 1 x SC1100-STD 1 x SC3008-STD	PRESTOLITE - LUCAS INDIEL	35261260;

APLICAÇÕES

FORD ESCORT COM MOTOR ZETEC 1.8, FOCUS COM MOTOR ZETEC, MONDEO COM MOTOR ZETEC, RANGER COM MOTOR DURATEC HR 2.3 A GASOLINA **GM** CORSA POWERTECH 1.4, CORSA POWERTECH 1.6 **VOLKSWAGEN** GOLF 1.8 GI GASOLINE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0009-STD	1 x SC2047-STD 1 x SC1724-STD 1 x SC2048-STD 1 x ROLAMENTO DE ESFERAS 6004 2RS	PRESTOLITE - LUCAS INDIEL	F000C60001;

APLICAÇÕES

FORD KA **JOHN DEERE** 6180, 7180, 7185J, 7205, 7500, 7505, 7515

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1191-2X **KIT SC1191-STD**	1 x SC2047-STD 1 x SC1724-STD 1 x SC2057-STD 1 x SC2048-STD	PRESTOLITE - LUCAS INDIEL	35259200, 35259240, 35259260, 35259290, 35259340, 35259360, 35259440, 35259450, 35259460, 35259520, 35259550, 35259730, 35259770, 35259780, 35259810, 35259830, 35259840, 35260830, 35260840, 35260870, 35261000, 35261050, 35261130, 35261135, 35261160, 35261385, 35261395, 35261445, 35261740, 35261770, 35261780, 35261900, 35262010, 35262020, 35262190

APLICAÇÕES

MERCEDES-BENZ CAMINHÕES 1315, CAMINHÕES 1318, CAMINHÕES 1320, CAMINHÕES OH1316, ÔNIBUS 1214 COM CAIXA AUTOMÁTICA, ÔNIBUS 1414 COM CAIXA AUTOMÁTICA, ÔNIBUS 1418 COM CAIXA AUTOMÁTICA, ÔNIBUS 1614 COM CAIXA AUTOMÁTICA, ÔNIBUS OH TODOS 6CIL COM CAIXA MANUAL **VALTRA** TRATOR BH 140 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BH 160 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BH 180 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BL 88 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BL77 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BM 100 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR BM 120 COM MOTOR SISU 3CIL. 4CIL. E 6CIL, TRATOR LEVE 685C, TRATOR LEVE 785C, TRATOR PESADO 1280 COM MOTOR MWM 3 E 6CIL, TRATOR PESADO 1580 COM MOTOR MWM 3 E 6CIL, TRATOR PESADO 1780 COM MOTOR MWM 3 E 6CIL **VOLKSWAGEN** CAMINHÕES 17.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 17.220, CAMINHÕES 17.31 COM MOTOR CUMMINS 6CTAA 8.3 CAMINHÕES 18.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 23.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 23.220, CAMINHÕES 23.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 26.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 26.220, CAMINHÕES 26.26 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES 26.260, CAMINHÕES 26.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÕES PESADO 26.250E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9CIL, CAMINHÕES TITAN 17.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÕES TITAN 18.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÕES TITAN 23.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÕES TITAN 26.310 COM MOTOR CUMMINS 6CTTA 8.3, MINIÔNIBUS C/ MOTOR CUMMINS 6B ELETRÔNICO 5.9, TITAN COM MOTOR CUMMINS C **VOLVO** CAMINHÕES VM 17 23 C/ MOTOR MWM SÉRIE 229, CAMINHÕES VM 17 23 C/ MOTOR MWM SÉRIE X10

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1192-2X **KIT SC1192-STD**	1 x SC3012-STD 1 x SC3011-STD	PRESTOLITE - LUCAS INDIEL	8020433

APLICAÇÕES

FIAT FIORINO, SPAZIO, TIPO 1.6, TIPO 2.0, UNO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1193-2X **KIT SC1193-STD**	1 x SC3002-STD 1 x SC3001-STD	PRESTOLITE - LUCAS INDIEL	352.58.180, 52.57.510

APLICAÇÕES

FORD PAMPA C/MOTOR AP APÓS 1992, PAMPA MODELO NOVO, VERSAILLES C/MOTOR AP APÓS 1992, VERSAILLES MODELO NOVO **VOLKSWAGEN** APOLLO COM AP 1.6 E 1.8 APÓS 1992, APOLLO COM MOTOR AUDI 827 APÓS 1994, GOL, GOL COM MOTOR AUDI 827 APÓS 1994, LOGUS 1.8 E LOGUS 2.0 COM MOTOR AUDI 827 APÓS 1994, LOGUS COM AP 1.6 E 1.8 APÓS 1992, PARATI AP 1.6 1.8 E 2.0 APÓS 1992, PARATI COM MOTOR AUDI 827 APÓS 1994, QUANTUM AP 1.6 1.8 E 2.0 APÓS 1992, QUANTUM COM AP 1.6 E 1.8 APÓS 1992, QUANTUM COM MOTOR AUDI 827 APÓS 1994, SANTANA AP 1.6 1.8 E 2.0 APÓS 1992, SANTANA COM MOTOR AUDI 827 APÓS 1994, SAVEIRO COM AP 1.6 E 1.8 APÓS 1992, SAVEIRO COM MOTOR AUDI 827 APÓS 1994, VOYAGE AP 1.6 1.8 E 2.0 APÓS 1992, VOYAGE COM MOTOR AUDI 827 APÓS 1994

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1198-2X **KIT SC1198-STD**	2 x SC3013-STD	PRESTOLITE - LUCAS INDIEL	352.58.000, 88DR11001A, 88DR-11001-A

APLICAÇÕES

CHEVROLET - GM C 10 CUSTOM DELUXE, SILVERADO **FIAT** SPAZIO **FORD** M93R PICK UP F100 6CIL E 8CIL V8 COM MOTOR FAIRLANE GASOLINA E ÁLCOOL, M93R PICK UP F1000 6CIL E 8CIL V8 COM MOTOR FAIRLANE GASOLINA E ÁLCOOL, M93R PICK UP F150 6CIL E 8CIL V8 COM MOTOR FAIRLANE GASOLINA E ÁLCOOL, M93R PICK UP FALCON 6CIL E 8CIL V8 COM MOTOR FAIRLANE GASOLINA E ÁLCOOL, TRATOR **NEW HOLLAND** TRATOR 2000 3-158 DIESEL 1965>1974, TRATOR 2000 LCG 3-158 DIESEL 1961>1964, TRATOR 2030 3-158 DIESEL 1961>1964, TRATOR 2031 3-158 DIESEL 1960>1962, TRATOR 2100 3CIL GAS 1965>1974, TRATOR 2110 3CIL GAS 1965>1974, TRATOR 2120 3CIL GAS 1965>1974, TRATOR 2300 3CIL GAS 1965>1974, TRATOR 2310 3>158 DIESEL 1982>1983, TRATOR 2310 3CIL GAS 1965>1974, TRATOR 2600 3CIL GAS 1975>1981, TRATOR 2610 3CIL GAS 1981>1983, TRATOR 3100 3CIL GAS 1965>1974, TRATOR 3110 3CIL GAS 1965>1974, TRATOR 3120 3CIL GAS 1965>1974, TRATOR 3190 3CIL GAS 1965>1974, TRATOR 3550 3CIL GAS 1965>1974, TRATOR 5000 MOTORES A GÁS 1965>1975, TRATOR 5100 MOTORES A GÁS 1965>1974, TRATOR 5340 MOTORES A GÁS 1968>1974

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1223-STD	3 x SC1978-STD	PRESTOLITE - LUCAS INDIEL	1L5411000AA, 2C3511001BA, 2C4511001AA, 2C4511001BA, 2R0911023A, 2S0911023, 35258490, 35258540, 35258620, 35258660, 35258690, 35258710, 35258880, 35258940, 35258950, 35259040, 35259050, 35259130, 35259150, 35259170, 35259180, 35259210, 35259310, 35259330, 35259390, 35259400, 35259430, 35259480, 35259580, 35259590, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259750, 35259760, 35259870, 35259880, 35259900, 35260828, 35261020, 35261120, 35261155, 35261175, 35261355, 35261360, 35261425, 35261760, 35262580, 35262710, 4C4511001BA, 905720100093, A001233410E AJ60123, ERR5009, F7HT11001AC, NAD10038, RE509658, TJG911023B, TJG911023D, XC3U11000CA, XC4511001CA, XS4511001CA, YD00010680

APLICAÇÕES

AGRALE CAMINHÕES 7500, CAMINHÕES 8000, CAMINHÕES 8500, CAMINHÕES 9200, TRATOR 5075, TRATOR 5075.4, TRATOR 5085, TRATOR 5085.4 **CHEVROLET - GM** BLAZER (C/ MOTOR CUMMINS 5.9), BLAZER 2.5 (C/ MOTOR MAXION HS), D20 4.1 (C/ MOTOR MAXION S4), S10 2.5 (C/ MOTOR MAXION HS), SILVERADO 4.1 (C/ MOTOR MAXION S4) **DODGE** D1000 **FORD** CAMINHÕES CARGO 1217, CAMINHÕES CARGO 1416, CAMINHÕES CARGO 1417, CAMINHÕES CARGO 1421, CAMINHÕES CARGO 1617, CAMINHÕES CARGO 1621, CAMINHÕES CARGO 1716, CAMINHÕES CARGO 1722, CAMINHÕES CARGO 815, CAMINHÕES F12000, CAMINHÕES F14000, CAMINHÕES F16000, CAMINHÕES F7000, CARRO F100, CARRO F1000 2.5 (C/ MOTOR MAXION HS), CARRO F150, CARRO F250, CARRO F350, CARRO RANGER 2.5 DIESEL (C/ MOTOR MAXION HS), CARRO RANGER 2.8 DIESEL (C/ MOTOR MAXION HS), CARRO RANGER 3.0 DIESEL (C/ MOTOR INTERNATIONAL), CARRO TRANSIT DIESEL, F-250, F-350, ÔNIBUS B7000 **JOHN DEERE** COLHEITADEIRA 1165, COLHEITADEIRA 1175, COLHEITADEIRA 1450, TRATOR 7500 **LAND ROVER** DEFENDER 2.5, DISCOVERY 2.5 **MASSEY FERGUSON** COLHEITADEIRA MF3640, COLHEITADEIRA MF5650, TRATOR MF250X, TRATOR MF297, TRATOR MF299, TRATOR MF5320, TRATOR MF640, TRATOR MF650, TRATOR MF660, TRATOR MF680 **MERCEDES-BENZ** CAMINHÕES SPRINTER 2.5 (C/ MOTOR MAXION HS), ÔNIBUS **NEW HOLLAND** PEUGEOT, TRATOR TL65E, TRATOR TL75E, TRATOR TL85E, TRATOR TL95E **VOLKSWAGEN** CAMINHÕES 13150, CAMINHÕES 13180, CAMINHÕES 13190, CAMINHÕES 15180, CAMINHÕES 15190, CAMINHÕES 17210, CAMINHÕES 23210, CAMINHÕES 710, CAMINHÕES 7100, CAMINHÕES 8120, CAMINHÕES 8150, CARRO TRANSPORTER T4 2.4 DIESEL, ÔNIBUS B16210, ÔNIBUS B17210 OD, ÔNIBUS B17240 OT, ÔNIBUS B8150 OD, ÔNIBUS B9150

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1225-STD	4 x SC1978-STD	PRESTOLITE - LUCAS INDIEL	352.58.580, 352.59.040

APLICAÇÕES

DIVERSAS MAXION, PERKINS **FORD** F1000, F250, F350, F4000

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1240-STD	1 x SC1871-STD 1 x SC093-STD 1 x SC1100-STD 1 x SC1905-STD	PRESTOLITE - LUCAS INDIEL	

APLICAÇÕES

AUDI A3 ANO 1998 ATÉ 2002 **FORD** ESCORT ANO 1996 ATÉ 1999, VERONA, VERSAILLES **VOLKSWAGEN** POINTER ANO 1996 ATÉ 1998, POLO CLASSIC ANO 1996 ATÉ 2001

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1242-2X **KIT SC1242-STD**	1 x SC1963-STD 1 x SC1724-STD 1 x SC2111-STD 1 x SC2056-STD	PRESTOLITE - LUCAS INDIEL	2C3511001BA, 2C4511001AA, 2C4511001BA, 2R0911023A, 2S0911023, 35258620, 35259040, 35259310, 35259330, 35259390, 35259430, 35259580, 35259590, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259750, 35259760, 35259870, 35259880, 35259900, 35261020, 35261120, 35261155, 35261175, 35261355, 35261360, 35261425, 35261760, 35262580, 4C4511001BA, 905720100093, AJ60123, F7HT11001AC RE509658, TJG911023B, TJG911023D, XC3U11000CA, XC4511001CA, XS4511001CA, YD00010680

APLICAÇÕES

AGRALE CAMINHÃO 7500 MWM 4.10 TCA, CAMINHÃO 8500 MWM 4.10 TCA, CAMINHÃO 9200 MWM 4.10 TCA, FURGÃO 8000 AUTOM. MWM 4.10 TCA, FURGÃO 8000 MWM 4.10 TCA, TRATOR 5075 BX 150 TD229-4, TRATOR 5075.4 BX 150 D229-4, TRATOR 5085 BX 150 TD229-4, TRATOR 5085.4 BX 150 D229-4 **CHEVROLET-GM** BLAZER CUMMINS B 5.9 **FORD** 1000;, F350, F4000; **JOHN DEERE** COLHEITADEIRA 1175 4 CIL. 3.9, COLHEITADEIRA 1175 4 CIL. 3.9, COLHEITADEIRA 1450 4 CIL. 3.9, COLHEITEDEIRA 1165 4 CIL. 3.9 TRATOR 7500 6068T 6 CIL. 6.8 **MASSEY FERGUSON** COLHEITADEIRA MF 3640 PERKINS 1006 - 6 6.0, COLHEITADEIRA MF 5650 PERKINS 1006 6 6.0, TRATOR MF 297 PERKINS SÉRIE 1000 6.0, TRATOR MF 250X MOTOR PERKINS AD 3.152 2.5, TRATOR MF 299 PERKINS SÉRIE 1000 T 6.0, TRATOR MF 5320 PERKINS 1006.6T 6.0, TRATOR MF 640 PERKINS 1006.6T 6.0, TRATOR MF 650 PERKINS 1006.6T 6.0, TRATOR MF 660 PERKINS 1006.6T 6.0, TRATOR MF 680 PERKINS 1006.6T 6.0 **VOLKSWAGEN** CAMINHÃO 13.150 MWM SÉRIE 10 4.10 TCA, CAMINHÃO 13.180 MWM SÉRIE 10 4.10 TCA 6.4, CAMINHÃO 15.180 MWM SÉRIE 10 6.10 TCA 6.4, CAMINHÃO 17.210 MWM SÉRIE 10 6.10 TCA 6.4, CAMINHÃO 23.210 MWM SÉRIE 10 6.10 TCA 6.4, CAMINHÃO 7.10 MWM SÉRIE 10 4.10 TCA 4.2, CAMINHÃO 8.120 MWM SÉRIE 10 4.10 TCA 4.2, CAMINHÃO 8.150 MWM SÉRIE 10 4.10 TCA 4.2, ÔNIBUS 16.210 MWM SÉRIE 10 6.10 TCA 6.4, ÔNIBUS 17.210OD MWM SÉRIE 10 6.10 TCA 6.4, ÔNIBUS 17.240OT MWM SÉRIE 10 6.10 TCA 6.4, ÔNIBUS 8.150OD MWM SÉRIE 10 4.0 TCA 4.2, ÔNIBUS 9.150OD MWM SÉRIE 10 4.0 TCA 4.2

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1243-2X **KIT SC1243-STD**	1 x SC1963-STD 1 x SC1724-STD 1 x SC1730-STD 1 x SC2056-STD	PRESTOLITE - LUCAS INDIEL	1L5411000AA, 35258490, 35258540, 35258580, 35258660, 35258690, 35258710, 35258880, 35258940, 35258950, 35259040, 35259050, 35259130, 35259150, 35259170, 35259180, 35259210, 35259400, 35259480, 35260828, 9000082021, 9000082025, 9000082028, 9000082035, 9000082041 9000082042, 9000082043, 9000082051, 9000082061, 9000082065, 9000082066, 9000082067, 9000082069, 9000082072, 9000082075, 9000082085, A001233410E, ERR5009, NAD10038

APLICAÇÕES

CHEVROLET-GM SILVERADO 4.2 L COM MOTOR MWM SPRINT 6 CILINDROS **FIAT** DUCATO **FORD** F1000 COM MOTOR MAXION HS 4CIL 2.5, RANGER 2.5 L COM MOTOR MAXION HS 4 CILINDROS DE 1998 ATÉ 2001, RANGER 2.8 L COM MOTOR MAXION HS 4 CILINDROS DE 2002 ATÉ 2005, RANGER 3.0L INTERNATIONAL DE 2005 ATÉ 2012 **MERCEDES-BENZ** SPRINTER MAXION HS 4 CIL. 2.5 **PEUGEOT** 504, 505

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1250-2X **KIT SC1250-STD**	1 x SC3009-STD 1 x SC3010-STD	PRESTOLITE - LUCAS INDIEL	35256433, 35258240, 35258440, 35258500, 35258670;

APLICAÇÕES

CHEVROLET - GM CARROS D20 (C/ MOTOR PERKINS ARGENTINO) **FORD** CARRO F1000 C/ MOTOR MWM 4CIL.APÓS 1992, CARROS F4000 COM MOTOR MWM 4CIL.APÓS 1992, F1000 (C/ MOTOR PERKINS ARGENTINO); **JOHN DEERE** TRATOR 6300 APÓS 1996 >, TRATOR 6600 APÓS 1996 >, TRATOR 7500 APÓS 1996 > **MWM** MOTOR PARA PICK-UP FORD MODELO F1000, MOTOR PARA PICK-UP FORD MODELO F4000, MOTORES DE 4 E 6 CILINDROS, MOTORES DE 6 CILINDROS **SLC** COLHEITADEIRAS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1253-2X **KIT SC1253-STD**	1 x SC1724-STD 1 x SC1730-STD	PRESTOLITE - LUCAS INDIEL	35257860;

APLICAÇÕES

FIAT UNO 1.6; **FORD** ESCORT GUARUJÁ 1.6 CHT, ESCORT HOBBY GL 1.6 CHT, ESCORT HOBBY L 1.6 CHT, PAMPA; **VOLKSWAGEN** GOL 1.6 AE, GOL 1.6 CHT, LOGUS, POINTER;, SANTANA;, SAVEIRO 1.6 AE, SAVEIRO 1.6 CHT, VOYAGE 1.6 AE, VOYAGE 1.6 CHT

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1258-2X **KIT SC1258-STD**	1 x SC1101-STD 1 x SC093-STD 1 x SC1100-STD 1 x SC3008-STD	PRESTOLITE - LUCAS INDIEL	35258370, 35258400, 35258420, 35258430, 35258460, 35258560, 35258720, 35258730, 35258760, 35258780, 35258840, 35258850, 35259220, 35259570, 35259860, 35260890, 35261250, 35261260, 35261295, 35261640, 35261810;, 352.58.270, 35258370, 35258400, 35258420, 35258430, 35258460 35258560, 35258720, 35258730, 35258760, 35258780, 35258840, 35258850, 35259220, 35259570, 35259860, 35260890, 35261250, 35261260, 35261295, 35261640, 35261810;

APLICAÇÕES

FORD FOCUS 2.0 (2007) **VOLKSWAGEN** ORION;, POINTER, POLO CLASSIC, VERONA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1273-STD	1 x SC3009-STD 1 x SC3010-STD 1 x SC471-STD	PRESTOLITE - LUCAS INDIEL	35256424, 35256525, 35257655, 35258670, 35259580, 35261385;

APLICAÇÕES

JOHN DEERE COLHEITADEIRAS 4C, TRATORES

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1287-STD	1 x SC2024-STD 1 x SC1724-STD 1 x SC3001-STD 1 x SC2056-STD	PRESTOLITE - LUCAS INDIEL	352.59.430;, 352.59.750

APLICAÇÕES

AGRALE MICRO ÔNIBUS VOLARE C/ MOTOR MWM **DIVERSAS** VOLKSWAGEN C/ MOTOR MWM **NEW HOLLAND** TL C/ MOTOR MWM

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1323-STD	1 x SC1963-STD 1 x SC093-STD 1 x SC1199-STD 1 x SC1870-STD	PRESTOLITE - LUCAS INDIEL	35258600, 7702227;

APLICAÇÕES

FORD ESCORT, VERONA **RENAULT** CLIO COM MOTOR C3L 1.6, CLIO WITH C3L 1.6 ENGINE, R11 COM MOTOR 1.4, R11 COM MOTOR C3L 1.6, R11 WITH 1.4 ENGINE, R11 WITH C3L 1.6 ENGINE, R19 COM MOTOR C3L 1.6, R19 WITH C3L 1.6 ENGINE, R9 COM MOTOR 1.4, R9 COM MOTOR C3L 1.6, R9 WITH 1.4 ENGINE, R9 WITH C3L 1.6 ENGINE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1334-STD	1 x SC1963-STD 1 x SC082-STD 1 x SC1199-STD 1 x SC1909-STD	PRESTOLITE - LUCAS INDIEL	35259570;

APLICAÇÕES

AGRALE CAMINHÃO TX1100(12V), TRATORES EQUIPAMENTOS AGRÍCOLAS 4100, TRATORES EQUIPAMENTOS AGRÍCOLAS 4100.4, TRATORES EQUIPAMENTOS AGRÍCOLAS 4118, TRATORES EQUIPAMENTOS AGRÍCOLAS 4118-4 C/ MOTOR M90T, TRATORES EQUIPAMENTOS AGRÍCOLAS 4118-4 C/ MOTOR M93

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1344-STD	1 x SC1963-STD 1 x SC1199-STD 1 x SC1909-STD 1 x SC3025-STD	PRESTOLITE - LUCAS INDIEL	

APLICAÇÕES

VOLKSWAGEN KOMBI DIESEL, LOGUS, POINTER, SANTANA, SAVEIRO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2090-STD	1 x SC1871-STD 1 x SC082-STD 1 x SC1100-STD 1 x SC3008-STD	PRESTOLITE - LUCAS INDIEL	352.58.270

APLICAÇÕES

FORD ESCORT, ORION, VERONA **VOLKSWAGEN** LOGUS, POINTER, POLO

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0015-STD	1 x SC3483-STD 1 x SC3035-STD	VALEO	23301105R, 7S55-11000-AB, FS10B1, FS10B3, TS10E3

APLICAÇÕES

FORD COURIER (1999 ATÉ 2013), ECOSPORT (2003 ATÉ 2012), ESCORT (2000 ATÉ 2002), FIESTA (1999 ATÉ 2013) **RENAULT** CLIO1.6L COM MOTOR K4, CLIO1.6L COM MOTOR K7, DUSTER 1.6 16V, KANGOO1.6 16V COM MOTOR K4M, LOGAN1.6L COM MOTOR K4, LOGAN1.6L COM MOTOR K7, MEGANE1.6 16V COM MOTOR K4M, MEGANE1.6L COM MOTOR K7M, SANDERO1.6L COM MOTOR K4, SANDERO1.6L COM MOTOR K7, SCÉNIC1.6 16V COM MOTOR K4M, SCÉNIC1.6 COM MOTOR K7M, SYMBOL1.6L COM MOTOR K4, SYMBOL1.6L COM MOTOR K7

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0016-STD	1 x SC2203-STD 1 x SC3450-STD	VALEO	1201952, 3610003101, 36100-03101, GSL36100.03101

APLICAÇÕES

HYUNDAI HB20 **KIA** PICANTO 1.0 16V 3 CILINDROS

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0018-STD	1 x ROLAMENTO REF. HK0808 1 x ROLAMENTO REF. HK-1010	VALEO	55564374, TS22E20

APLICAÇÕES

CHEVROLET - GM S10 DIESEL (2011 À 2014), TRAILBLAZER 2.8 (2013)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0019-STD	1 x SC3460-STD 1 x SC3035-STD	VALEO	55564374, TS22E20

APLICAÇÕES

CHEVROLET - GM S10 DIESEL (2011 À 2014), TRAILBLAZER 2.8 (2013)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0021-STD	1 x SC2199-STD 1 x ROLAMENTO REF.188068	VALEO	0001121402, 0001121403, 02M911023G, 02M911023M, 02T911021E, 495107, D6GS14, TSC10R7

APLICAÇÕES

AUDI A3 2.0 **VOLKSWAGEN** CROSSFOX 1.6 TOTAL FLEX, FOX 1.0, FOX 1.6, GOL 1.0, GOL 1.6 G5, GOL 1.6 G6, GOLF 1.6(2001 A 2013), JETTA, PASSAT, POLO 1.6, SAVEIRO 1.6 G5, SAVEIRO 1.6 G6, SPACE CROSS, SPACEFOX, TIGUAN, VOYAGE 1.0, VOYAGE 1.6 G5, VOYAGE 1.6 G6

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0264-STD	1 x SC2199-STD 1 x SC2200-STD 1 x SC2246-STD 1 x SC2272-STD	VALEO	CITROEN:C3, CITROEN:C4, CITROEN:PICASSO1.6/2.0, PEUGEOT:206, PEUGEOT:306, PEUGEOT:307, RENAULT:CLIO

APLICAÇÕES

DIVERSAS 9648644680, D6G3

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0276-STD	1 x SC2199-STD 1 x SC2200-STD 1 x SC093-STD 1 x SC2272-STD	VALEO	NISSAN:MARCH, PEUGEOT:206, RENAULT:CLIO, RENAULT:LOGAN, RENAULT:SANDERO

APLICAÇÕES

DIVERSAS D7E39

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0326-STD	2 x ROLAMENTO REF. HK-1010 1 x ROLAMENTO REF. HK2010	VALEO	30659576, ESW20E26, ESW20E3

APLICAÇÕES

NISSAN QASHQAI1.6DCI(2011->), QASHQAI1.6DCI4X4(2015->) **OPEL** VIVAROB1.6CDTI(2014->) **RENAULT** FLUENCE1.6DCIL30(2014->), GRANDSCENIC1.6DCI(2011->), KADJAR1.6DCI(2015->), MEGANE1.6DCI(2011->), SCENIC1.6DCI(2011->), TALISMAN1.6DCI(2015->), TALISMANGRANDTOUR1.6DCI(2016->), TRAFIC1.6DCI(2014->) **VAUXHALL** VIVAROB1.6CDTI(2014->) **VOLVO** S602.0D2/D3/D5/T3/T4(2015->), S602.0D4(2013-2015), S602.0T5/T6(2013->), S602.0T6(2013->), S802.0D4/T5(2013->), S802.0DRIVE-E(2014->), S902.0D3/D4AWD(2016->), V402.0D2/D3/T2/T3(2015->), V402.0D4(2014->), V402.0T4AWD/T5(2014->), V602.0D2/D3/D5/T3/T4(2015->), V602.0D4(2013-2015), V602.0T5/T6(2013->), V702.0D2/T4(2015->), V702.0D4/T5(2013->), V902.0D3/D4/D5AWD(2016->), XC402.0D4AWD(2017->), XC602.0D3(2015-2017), XC602.0D4(2013-2017), XC602.0T5/T6(2013->), XC702.0D4/T5(2013->), XC902.0D4(2015->), XC902.0D5AWD(2014->)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0343-STD	1 x ROLAMENTO REF. HK-1010 1 x ROLAMENTO DE ESFERAS 6004 2RS	VALEO	1250128, 361004A010, 361004A020, 600077, A0001250825

APLICAÇÕES

HYUNDAI H-1 2.5 CRDI (2002-2011), H-1 2.5 CRDI STAREX (2002->), H-1 2.5 CRDI STAREX 4WD (2002->), PORTER 2.5 CRDI (2003-2004), SATELLITE 2.5 CRDI (2008-2011), STAREX 2.5 CRDI (2002->) **KIA** SORENTO 2.5 CRDI V6 (2002->)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC0344-STD	1 x SC2072-STD 1 x ROLAMENTO DE ESFERAS 6004 2RS	VALEO	1250128, 361004A010, 361004A020, 600077, A0001250825

APLICAÇÕES

HYUNDAI H-1 2.5 CRDI (2002-2011), H-1 2.5 CRDI STAREX (2002->), H-1 2.5 CRDI STAREX 4WD (2002->), PORTER 2.5 CRDI (2003-2004), SATELLITE 2.5 CRDI (2008-2011), STAREX 2.5 CRDI (2002->) **KIA** SORENTO 2.5 CRDI V6 (2002->)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1217-2X **KIT SC1217-STD**	1 x SC1101-STD 1 x SC3035-STD	VALEO	187863, 187996, 188251, 260412, 270327, 290212, 3S6511000BA, 3S6511000CA, 494828, 594287 5S6511000AA, 665.1100.AA, D7E33, D7E34, D7E37, D7E43

APLICAÇÕES

FORD CARROS COURIER 1.0 (C/ MOTOR ZETEC ROCAM), CARROS COURIER 1.6 (C/ MOTOR ZETEC ROCAM), CARROS ECOSPORT 1.0 (C/ MOTOR ZETEC ROCAM), CARROS ECOSPORT 1.0 SUPERCHARGER (C/ MOTOR ZETEC ROCAM), CARROS ECOSPORT 1.6 (C/ MOTOR ZETEC ROCAM), CARROS ESCORT 1.6 (C/ MOTOR ZETEC ROCAM), CARROS FIESTA 1.0 (C/ MOTOR ZETEC ROCAM), CARROS FIESTA 1.0 SUPERCHARGER (C/ MOTOR ZETEC ROCAM), CARROS FIESTA 1.6 (C/ MOTOR ZETEC ROCAM), CARROS FOCUS 1.0 (C/ MOTOR ZETEC ROCAM), CARROS KA 1.0 (C/ MOTOR ZETEC ROCAM), CARROS KA 1.6 (C/ MOTOR ZETEC ROCAM)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1226-STD	3 x SC2063-STD	VALEO	432598, D6RA12, D6RA16, D6RA5, D6RA6

APLICAÇÕES

CITROËN XSARA **RENAULT** CLIO, KANGOO, LAGUNA, MEGANE

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1230-STD	1 x SC2199-STD 1 x SC2200-STD 1 x SC094-STD 1 x SC1870-STD	VALEO	432590, 432593, 432598, 433311, 433320, 433321, 726011, 726048, D6RA12, D6RA16, D6RA18, D6RA20, D6RA5, D6RA6, D6RA61

APLICAÇÕES

CITROËN CARROS AX 1.3, CARROS BERLINGO 1.1I, CARROS BERLINGO 1.4, CARROS BERLINGO 1.4I, CARROS BERLINGO 1.6I, CARROS C15 1.0 CARROS C15 1.1, CARROS C15 1.1I, CARROS C15 1.4, CARROS C15 1.4I, CARROS SAXO 1.0I, CARROS SAXO 1.1I, CARROS SAXO 1.4I, CARROS SAXO 1.6I, CARROS XM 3.0I V6, CARROS XSARA 1.4I, CARROS XSARA 1.6I, CARROS ZX 1.1, CARROS ZX 1.1I, CARROS ZX 1.4, CARROS ZX 1.4I **PEUGEOT** CARROS 106 1.0, CARROS 106 1.0I, CARROS 106 1.1, CARROS 106 1.1I CARROS 106 1.3I, CARROS 106 1.4, CARROS 106 1.4I, CARROS 106 1.6I, CARROS 205 1.0, CARROS 205 1.0I, CARROS 205 1.1, CARROS 205 1.1I, CARROS 205 1.3, CARROS 205 1.4, CARROS 205 1.4I, CARROS 206 1.1I, CARROS 206 1.4I, CARROS 207 1.4, CARROS 207 1.6 HDI 16V, CARROS 306 1.1I, CARROS 306 1.4, CARROS 306 1.4I, CARROS 306 1.6I, CARROS 309 1.1, CARROS 309 1.1I, CARROS 309 1.4, CARROS 309 1.4I, CARROS 405 1.4, CARROS 405 1.4I, CARROS 605 3.0I V6, CARROS PARTNER 1.1I, CARROS PARTNER 1.4 CARROS PARTNER 1.4I, CARROS PARTNER 1.6I, V206 1.6I **RENAULT** CARROS CLIO 1.8I, CARROS R11 1.7I, CARROS R19 1.7, CARROS R19 1.7I, CARROS R19 1.8I, CARROS R21 1.7, CARROS R21 1.7I, CARROS R9 1.7, CARROS SCÉNIC 2.0, CARROS SUPER 5 1.7, CARROS TRAFIC 1.7

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1231-STD	1 x SC1101-STD 1 x SC2202-STD	VALEO	02T911023Q, 30L5015EDT, D7ES6, F000AL0402

APLICAÇÕES

VOLKSWAGEN CARROS FOX 1.0L 16V, CARROS FOX 1.6L, CARROS GOL G5 1.0L, CARROS GOL G5 1.6L, CARROS GOLF 1.6L, CARROS POLO 1.0L 16V, CARROS POLO 1.6L, CARROS POLO SEDAN 1.0L 16V, CARROS POLO SEDAN 1.6L, CARROS SAVEIRO 1.0L, CARROS SAVEIRO 1.6L, CARROS SPACEFOX 1.0L, CARROS SPACEFOX 1.6L, CARROS VOYAGE 1.0L, CARROS VOYAGE 1.6L

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1234-STD	1 x SC2207-STD 1 x SC3035-STD	VALEO	185485EDT, 438126, BD7E17

APLICAÇÕES

CHEVROLET-GM CELTA 1.0, CELTA1.4, CORSA CLASSIC 1.0 8V, CORSA GL WIND GSI, CORSA JOY, CORSA MAXX, CORSA MODELO ANTIGO GL 1.4 8V SOHC 1994 A 2001, CORSA MODELO NOVO 1.8 8V, CORSA PREMIUM 1.0 8V, CORSA PREMIUM 1.4 8V, CORSA PREMIUM 1.8 8V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC1282-STD	1 x SC1871-STD 1 x SC3035-STD	VALEO	0001170421, 438126, 438185, 93264950, BD7E17, BD7E44;

APLICAÇÕES

CHEVROLET - GM ASTRA 1.8 OHC, CELTA 1.0 OHC, CELTA 1.4 OHC, CORSA 1.0 EFI OHC, CORSA 1.0 MPFI OHC, CORSA 1.0 MPFI VHC, CORSA 1.4 EFI OHC, CORSA 1.4 MPFI OHC, CORSA 1.6 EFI OHC, CORSA 1.6 MPFI OHC, CORSA 1.8 EFI OHC, CORSA 1.8 FLEXPOWER, CORSA 1.8 MPFI OHC, MERIVA 1.8 OHC **FIAT** PALIO 1.8 OHC, STILO 1.8 OHC

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2103-STD	1 x SC2201-STD 1 x SC2294-STD	VALEO	02T911023Q, 30L5015EDT, 438179, D7ES6, F000AL0402

APLICAÇÕES

VOLKSWAGEN FOX1.0L16V, FOX1.6L, GOLF1.6L, GOLG51.0L, GOLG51.6L, POLO1.0L16V, POLO1.6L, POLOSEDAN1.0L16V, POLOSEDAN1.6L, SAVEIRO1.0L, SAVEIRO1.6L, SPACEFOX1.0L, SPACEFOX1.6L, VOYAGE1.0L, VOYAGE1.6L

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2139-STD	1 x SC1963-STD 1 x SC3035-STD	VALEO	6S65.11000.AA, D7E45

APLICAÇÕES

FORD COURIER, ECO ESPORT, FIESTA, FOCUS (ROCAM 1.6), KA

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2179-STD	1 x SC2245-STD 2 x SC2072-STD 1 x SC2287-STD	VALEO	3610042350, DSL3610042350;, DSL42360, TM000A34101, TM000A36101

APLICAÇÕES

FIAT DUCATO **HYUNDAI** H-1 2.5 TD BUS COM MOTOR D4BH, HR 2.5L - 8V COM MOTOR D4BH, PORTER 2.5 TD BOX COM MOTOR D4BA, PORTER 2.5 TD BOX COM MOTOR D4BH, PORTER 2.5 TD PICK-UP COM MOTOR D4BA, PORTER 2.5 TD PICK-UP COM MOTOR D4BH **KIA** BONGO K2500 4X2 2.5L **MERCEDES-BENZ** SPRINTER 311 CDI, SPRINTER 313 CDI **MITSUBISHI** L 200 2.5 D 4WD COM MOTOR 4D56, L 200 2.5 TD 4X4, L 200 2.5 TD 4X4 COM MOTOR 4D56T, PAJERO 2.5 TD **RENAULT** MASTER **VOLKSWAGEN** AMAROK 2.0 TDI

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2191-STD	1 x SC2245-STD 1 x SC1963-STD 1 x SC3035-STD 1 x SC2244-STD	VALEO	428000-9300, 51911199, 56029852AA, 8200634603, D7G11

APLICAÇÕES

RENAULT MASTER COM MOTOR 2.8 DIESEL ELETRÔNICO ANO 2006, MASTER COM MOTOR 2.5 DIESEL ELETRÔNICO ANO 2006

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2250-STD	1 x SC2207-STD 1 x ROLAMENTO REF. HK-1010	VALEO	185485EDT, 438126, BD7E17

APLICAÇÕES

CHEVROLET - GM CELTA 1.0, CELTA1.4, CORSA MAXX, CORSA PREMIUM 1.0 8V, CORSA PREMIUM 1.4 8V, CORSA PREMIUM 1.8 8V **DIVERSAS** CORSA CLASSIC 1.0 8V, CORSA GL WIND GSI, CORSA JOY, CORSA MODELO ANTIGO GL 1.4 8V SOHC 1994 A 2001, CORSA MODELO NOVO 1.8 8V

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2280-STD	1 x SC2245-STD 2 x ROLAMENTO REF. HK-1010 1 x SC2287-STD	VALEO	36100-42350, DSL3610042350

APLICAÇÕES

HYUNDAI H100, HR **KIA** BONGO K2500

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2406-STD	1 x SC2245-STD 2 x SC3035-STD 1 x SC2287-STD	VALEO	0051511301, D7R46

APLICAÇÕES

MERCEDES BENZ ACCELO, SPRINTER CDI

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2428-STD	3 x SC2199-STD	VALEO	24579009, 8000444

APLICAÇÕES
CHEVROLET ONIX, PRISMA(2013)

REFERÊNCIA	FORMAÇÃO	FABRICANTE	Nº ARRANQUE
KIT SC2497-STD	1 x SC3035-STD 2 x SC3498-STD	VALEO	

APLICAÇÕES
FORD ECOSPORT, FOCUS, NEW FIESTA

SULCARBON

BUCHAS AUTOLUBRIFICANTES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC004-2X	17,61	14,16	18,25	BOSCH - WAPSA	LADO MOTRIZ
SC004-3X	17,61	14,03	18,25		
SC004-STD	17,61	14,29	18,25		

APLICAÇÕES

AGRALE TRATOR T-4200 MOTOR M-790, TRATOR T-4300 MOTOR M-790 **CBT** TRATOR 1100 COM PERKINS 4 CIL. APÓS 1971 **MASSEY FERGUSON** TRATOR 235, TRATOR 250, TRATOR 265, TRATOR 55, TRATOR 65X **MAXION** TRATOR 235 APÓS 11/1971, TRATOR 250 APÓS 11/1971, TRATOR 265 APÓS 11/1971, TRATOR 50 ATÉ 1971, TRATOR 50X APÓS 11/1971, TRATOR 55X APÓS 11/1971 TRATOR 65R APÓS 11/1971, TRATOR 65X APÓS 11/1971, TRATOR 65X ATÉ 1971 **MERCEDES BENZ** ONIBUS APÓS 12/73

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC008-2X	19,14	15,82	14,25	BOSCH - WAPSA	LADO COLETOR
SC008-3X	19,14	15,70	14,25		
SC008-STD	19,14	15,95	14,25		

APLICAÇÕES

CBT TRATOR 1090 ATÉ 1971 **CHEVROLET-GM** CAMINHÃO DIESEL COM PERKINS 6CIL. ATÉ 1971, PICK-UP DIESEL COM PERKINS 4CIL. ATÉ 1971 **CLARK** TRATOR MICHIGAN 75A 11 111 ATÉ 1971 **EATON** EMPILHADEIRA D83C ATÉ 1971, EMPILHADEIRA D83P ATÉ 1971, EMPILHADEIRA D87P ATÉ 1971, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A**FORD** CAMINHÃO F100 APÓS 1970, CAMINHÃO F350 APÓS 1970, CAMINHÃO F600 APÓS 1970, JEEP WILLYS, PICK-UP F75 **MASSEY FERGUSON** TRATOR 55, TRATOR 65RX, TRATOR 951, TRATOR 95IX **MAXION** TRATOR 50 ATÉ 1971, TRATOR 55X ATÉ 1971, TRATOR 65X ATÉ 1971, TRATOR 951 ATÉ 1971, TRATOR 95X ATÉ 1971, TRATOR MF 65R ATÉ 197**MULLER** COMPRESSOR COM MOTOR PERKINS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC014-2X	16,55	12,43	11,40	BOSCH - WAPSA	LADO COLETOR
SC014-3X	16,55	12,30	11,40		
SC014-STD	16,55	12,55	11,40		

APLICAÇÕES

AGRALE MOTOR ESTACIONÁRIO M70, MOTOR ESTACIONÁRIO M80, MOTOR ESTACIONÁRIO M85, MOTOR ESTACIONÁRIO M90 08/77, MOTOR ESTACIONÁRIO M90 APÓS 07/77, MOTOR ESTACIONÁRIO M93 ID 01/82, MOTOR ESTACIONÁRIO M931D, SÉRIE M. M70 08/77 ATÉ 12/81, SÉRIE TX - TX 1100 - M790 01/82 ATÉ 09/85, SÉRIE-4000 MODELO 4100 MOTOR AGRALE-M90T 08/77, TX 1100 (M790) **ALFA ROMEO** ALFA ROMEO 2300 B, ALFA ROMEO 2300 D 09/82 ATÉ 09/83, ALFA ROMEO 2300 D 10/83 ATÉ 12/87, ALFA ROMEO 2300 TI **BMW** 1500, 1502, 1600, 1602, 1802, 2002, 2500 2800, 316, 318, 320, 323, 518, 520, 525 **CBT** 2080 E 2105, 8060 4X4 OM 314 E OM 352) 10/76 - 12/78 - 01/84, SÉRIE-1000, SÉRIE-2000, SÉRIE-8000 (1065 E 1105 **CHEVROLET-GM** CARAVAN 4CIL, CELTA 1.0 (MOTOR C10NE), CHEVETTE 1.6, CHEVETTE JUNIOR, CHEVY 1.6 (ÁLCOOL E GASOLINA), CORSA 1.6 EFI (B 16 NZ SOHC), IPANEMA 1.8, KADETT 1.8 (ÁLCOOL E GASOLINA), KADETT 2.0, MARAJÓ 1.6, MARAJÓ ÁLCOOL E GASOLINA ATÉ 01/81, MONZA, MONZA 1.6, MONZA 1.8 (ÁLCOOL E GASOLINA), MONZA 2.0, MONZA 2.0I (ÁLCOOL E GASOLINA), MONZA COM TRASMISSÃO AUTOMÁTICA, OPALA 4CIL GASOLINA, OPALA 6CIL GASOLINA, PICK-UP C-20, SILVERADO COM MOTOR 6CIL. 4.1 POWERTECH APÓS 01/96 **CHRYSLER** DODGE 1800 POLARA **CITROËN** BERLINGO 1.6, C3 1.6I, C3 1.6I 16V (TU5JP4, PARTNER 1.6I (TU5JP4) **DIVERSAS** ALFA ROMEO 2300 COM AR, D7F 726), G13B, G16B KAT.), KFX, NFX, NFZ), R11, R12, R18, R19, R21, VOLKSWAGEN-GB 1600) **FIAT** 127, 147, CITY, DUNA, ELBA, FIORINO, OGGI, PALIO, PANORAMA, PRÊMIO, SIENA, SPAZIO, STRADA, TEMPRA, TIPO 1.6IE, UNO MILLE **FORD** AERO WILLYS, BELINA II 1.6 APÓS 01/81 CORCEL II, CVH14/PTE, DEL-REY 1.6 ATÉ 04/82, ESCORT 1.3, ESCORT 1.6, ESCORT 1.8 GUARUJÁ (AP 1800), ESCORT COM MOTOR ZETEC 1.8, ESCORT HOBBY, F75 - WILLYS MOTOR 6CC, FIESTA 1.0 FIESTA 1.3, FIESTA 1.4, GSG, J6B, JBC, MAVERICK 6CC JEEP, MONDEO CLX, PAMPA, PICK-UP F100, PICK-UP F75, ROYALE COM TRANSMISSÃO AUTOMATICA E EFI, RURAL, SCALA 1.6, TLB, VEICULOS COM MOTORES AP 1.8I E 2.0I, VERONA GLX 1.8, VERONA LX 1.6 CHT, VERSAILLES 1.8, VERSAILLES 2.0, VERSAILLES 2.0I **GURGEL** BR 800, SEDAN, SUPERMINI, TOCANTINS L. TR (ENERTON 800 **LADA** LAIKA 1.5, LAIKA 1.6, NIVA 1.5, NIVA 1.6 **MOTOR TIETÊ** MOTOR ESTACIONÁRIO RD900/900L, MOTOR ESTACIONÁRIO RD950/950L ATÉ 05/81, RD950/950L 06/81 ATÉ 08/82, RD950/950L APÓS 09/82 **PEUGEOT** 205 1.4 I (KDZ) **RENAULT** CLIO 1.6I / R19 (C3L), CLIO RN, R18, R19, R21 (21 2.2), TRAFIC 2.2 (J6R), TRAFIC GASOLINA, TWINGO 1.2I (D7F 700 **SEAT** CORDOBA 1.6, CORDOBA 1.8 (1F **SUZUKI** SAMURAI 1.3I, VITARA 1.6I 16V CABRIO (G13A **VOLKSWAGEN** BRASÍLIA, FUSCA, GOL, KARMANN GHIA, KOMBI, PARATI, PASSAT 1.5, PASSAT 1.8, QUANTUM, SANTANA, SAVEIRO SEDAN, SÉRIE 11130, SÉRIE 11140, SÉRIE 11T, SÉRIE 12140T, SÉRIE 12180, SÉRIE 12T, SÉRIE 13150, SÉRIE 13180, SÉRIE 13T, SÉRIE 14150, SÉRIE 14200 (4.10, SÉRIE 14T, SÉRIE 22140 (D 229-6), SÉRIE 7100, SÉRIE 7200, SÉRIE 7T, SÉRIE 8100, SÉRIE 8120, SÉRIE 8140, SÉRIE 8140 CO/CE, SÉRIE 8150, SÉRIE 8150 OD, SÉRIE 8T, SÉRIE 9150 OD, VARIANT II, VOYAGE **VOLVO** 440 TURBO, 460 GLE, 460 TURBO (B18 FT/FP KAT.) **YANMAR** MICROTRATOR TC11, MICROTRATOR TC11 SUPER (NS11)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC067-2X	16,54	12,40	18,00	BOSCH - WAPSA	LADO MOTRIZ / LADO COLETOR
SC067-3X	16,54	12,27	18,00		
SC067-STD	16,54	12,55	18,00		

APLICAÇÕES

CASE 960 **CBT** TRATOR 1105, TRATOR 2105, TRATOR 8240 **CLARK** JD/JF, MB, OM 352 **DIVERSAS** JEEP, POCLAIN **TOYOTA** BANDEIRANTE OM 352

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC068-2X	25,13	18,91	12,90	BOSCH - WAPSA	INTERMEDIÁRIA
SC068-3X	25,13	18,84	12,90		
SC068-STD	25,13	19,11	12,90		

APLICAÇÕES

DIVERSAS MASSEY FERGUSON, TOYOTA, VALMET **MERCEDES BENZ** JD **YANMAR** MOTOR AB2, MOTOR AE1

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC074-2X	13,58	10,92	13,85	BOSCH - WAPSA	LADO MOTRIZ
SC074-3X	13,58	10,79	13,85		
SC074-STD	13,58	11,07	13,85		

APLICAÇÕES

FORD AERO WILLYS, JEEP, MAVERICK 4 CIL, MAVERICK 6 CIL, PICK-UP F75, RURAL **VOLKSWAGEN** 1300, 1500, 1600, BRASÍLIA, KOMBI, SP2, VARIANT

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC080-2X	16,13	11,94	14,05	BOSCH - WAPSA	LADO MOTRIZ
SC080-3X	16,13	11,81	14,05		
SC080-STD	16,13	12,06	14,05		

APLICAÇÕES

CHEVROLET-GM BELINA 1, BELINA 2, CARAVAN 2500, CHEVETTE, CORCEL 1, CORCEL 2, DEL-REY, OPALA 2500, PAMPA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC082-2X	14,21	11,94	14,20	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ
SC082-3X	14,21	11,81	14,30		
SC082-STD	14,21	12,09	14,30		

APLICAÇÕES

DIVERSAS FIAT, FORD, PEUGEOT, RENAULT, VOLKSWAGEN

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC084-2X	22,79	18,69	19,00	BOSCH - WAPSA	LADO COLETOR
SC084-3X	22,79	18,56	19,00		
SC084-STD	22,79	18,83	19,00		

APLICAÇÕES

AGRALE TRATOR T-4200, TRATOR T-4300 MOTOR M-790 **CASE** PÁ CARREGADEIRA W-7 COM PERKINS 6CIL., RETROESCAVADEIRA 580CK, RETROESCAVADEIRA 580E, RETROESCAVADEIRA 580H **CBT** TRATOR 1090, TRATOR 1100 COM MOTOR PERKINS 4CIL APÓS 1971, TRATOR 1100 COM PERKINS 6CIL. APÓS 1971 **CHEVROLET-GM** CAMINHÃO DIESEL COM DETROIT, CAMINHÃO DIESEL COM PERKINS 6CIL, PICK-UP DIESEL COM PERKINS 4CIL. APÓS 1971. **CHRYSLER** CAMINHÃO 1400 TD 6X4 MWM, CAMINHÃO 400, CAMINHÃO 900 8CIL GASOLINA, CAMINHÃO 950, CAMINHÃO D100, CAMINHÃO D750, CAMINHÃO E11, CAMINHÃO E13, CAMINHÃO E21 ÁLCOOL, CAMINHÃO P400 COM PERKINS, CAMINHÕES P700, CHARGER, DODGE DART, GRAN COUPÉ, SE, SEDAN **CLARK** EMPILHADEIRA C300 HY 40/50/60, EMPILHADEIRA CHY 100, EMPILHADEIRA CHY 120 EMPILHADEIRA CHY 140, EMPILHADEIRA CHY 40/50 APÓS 1971, EMPILHADEIRA CHY 60, EMPILHADEIRA CHY 70 EMPILHADEIRA CHY 80, TRATOR MICHIGAN 75A/11/111 **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P APÓS 1971, EMPILHADEIRA GL83C, EMPILHADEIRA GL83P, EMPILHADEIRA GL87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A **FORD** AERO WILLYS, AERO WILLYS ITAMARATY, AERO WILLYS JEEP 12V, AERO WILLYS PICK-UP, AERO WILLYS RURAL, CAMINHÃO F1000 CAMINHÃO F2000, CAMINHÃO F11000, CAMINHÃO F-11000 COM MWM APÓS 1971, CAMINHÃO F12000, CAMINHÃO F13333 COM PERKINS APÓS 1971, CAMINHÃO F-4000, CAMINHÃO F4000 COM MOTOR FORD APÓS 1971, CAMINHÃO F-7000, CARGO C1218, CARGO C1415, CARGO C1418, CARGO C1618 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.) F13333 (PERKINS 6 CIL.), F-100, F11000, F12000, F14000 COM MOTOR PERKINS 6CC, F-350, F4000 COM MOTOR FORD A DIESEL DE 4CC, F-600, GALAXIE, GALAXIE LANDAU, GALAXIE LTD, ITAMARATY, JEEP, LANDAU, MAVERICK, MAVERICK 8CIL., PICK-UP 600, PICK-UP F100 PICK-UP F-360, RURAL WILLYS, TRATOR 4600, TRATOR 5000, TRATOR 6600 APÓS 1971 **HYSTER** EMPILHADEIRA COM GM 4CIL, EMPILHADEIRA COM PERKINS 4CIL, GUINDASTE KF ATÉ 07/70 **MASSEY FERGUSON** PLANTADORA E SEMEADORA 220, TRATOR 235, TRATOR 250, TRATOR 265, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 400, TRATOR 55, TRATOR 65X **MAXION** COLHEDEIRA 220, TRATOR 235, TRATOR 250, TRATOR 265 APÓS 11/71, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 55X, TRATOR 65R, TRATOR 65X, TRATOR 85X, TRATOR 951, TRATOR 95X, TRATOR 95Y, TRATOR ALC., TRATOR MF 50X **MERCEDES BENZ** ONIBUS APÓS 12/73 **VALMET** COM MOTOR MWM **VOLKSWAGEN** 1200 ATÉ 1966, CAMINHÃO 11.130, CAMINHÃO 11.160, CAMINHÃO 13.130, CAMINHÃO 13.210, CAMINHÃO 14.210, CAMINHÃO 22.160, CAMINHÃO 22.210, CAMINHÃO 6.140, CAMINHÃO 6.140 ÁLCOOL, CAMINHÃO 6.80 COM PERKINS, CAMINHÃO 6X4 COM MWM, CAMINHÃO 7.140

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC085-2X	17,99	14,16	19,00	BOSCH - WAPSA	LADO MOTRIZ
SC085-3X	17,99	14,03	19,00		
SC085-STD	17,99	14,35	19,00		

APLICAÇÕES

CASE PÁ CARREGADEIRA W-7 COM PERKINS 6CIL., RETROESCAVADEIRA 580CK, RETROESCAVADEIRA 580E, RETROESCAVADEIRA 580H **CBT** TRATOR 1090, TRATOR 1100 COM MOTOR PERKINS 4CIL APÓS 1971, TRATOR 1100 COM PERKINS 6CIL. APÓS 1971 **CHEVROLET-GM** CAMINHÃO DIESEL COM DETROIT, CAMINHÃO DIESEL COM PERKINS 6CIL., PICK-UP DIESEL COM PERKINS 4CIL. APÓS 1971, PICK-UP DIESEL COM PERKINS 4CIL. ATÉ 1971. **CHRYSLER** CAMINHÃO 1400 TD 6X4 MWM, CAMINHÃO 950, CAMINHÃO D750, CAMINHÃO P400 COM PERKINS, CAMINHÃO P700 **CLARK** EMPILHADEIRA CHY 60 **DIVERSAS** EMPILHADEIRA C300 HY 40/50/60}, EMPILHADEIRA CHY 100, EMPILHADEIRA CHY 120, EMPILHADEIRA CHY 140, EMPILHADEIRA CHY 70, EMPILHADEIRA CHY 80, TRATOR MICHIGAN 75A/11/111, TRATOR MICHIGAN 75A/11/111 ATÉ 1971 **EATON** EMPILHADEIRA D83C, EMPILHADEIRA D83P, EMPILHADEIRA D87P APÓS 1971, EMPILHADEIRA GL83C, EMPILHADEIRA GL83P, EMPILHADEIRA GL87P, PÁ CARREGADEIRA 1900, PÁ CARREGADEIRA 250A **FORD** CAMINHÃO F1000, CAMINHÃO F11000, CAMINHÃO F11000 COM MWM APÓS 1971, CAMINHÃO F12000, CAMINHÃO F13333 COM PERKINS APÓS 1971, CAMINHÃO F2000, CAMINHÃO F4000, CAMINHÃO F4000 COM MOTOR FORD APÓS 1971, CAMINHÃO F7000, CARGO C1218, CARGO C1415, CARGO C1418, CARGO C1618 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.) F13333 (PERKINS 6 CIL.), F12000 COM MOTOR PERKINS 6CC, F14000 COM MOTOR PERKINS 6CC., F4000 COM MOTOR FORD A DIESEL DE 4CC, F4000 COM MOTOR FORD A DIESEL DE 4CC // F11000 COM MOTOR PERKINS 6CC, TRATOR 4600, TRATOR 5000, TRATOR 6600 APÓS 1971. **HYSTER** EMPILHADEIRA COM GM 4CIL.., EMPILHADEIRA COM PERKINS 4CIL. **MASSEY FERGUSON** PLANTADORA E SEMEADORA 220, TRATOR 235, TRATOR 250, TRATOR 265, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 400, TRATOR 55, TRATOR 65X, TRATOR 95 IX, TRATOR 951 **MAXION** COLHEDEIRA 220, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 85X, TRATOR 951, TRATOR 951 ATÉ 1971, TRATOR 95Y, TRATOR ALC., TRATOR MF 95X, TRATOR MF 95X ATÉ 1971 **MULLER** COMPRESSOR COM MOTOR PERKINS **VALMET** COM MOTOR MWM **VOLKSWAGEN** CAMINHÃO 11.130, CAMINHÃO 13.130, CAMINHÃO 6.140 ÁLCOOL, CAMINHÃO 6.80 C/ PERKINS, CAMINHÃO 6X4 COM MWM

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC089-2X	19,54	15,62	9,90	BOSCH - WAPSA	LADO COLETOR
SC089-3X	19,54	15,49	9,90		
SC089-STD	19,54	15,75	9,90		

APLICAÇÕES

AGRALE MOTORES MWM DIESEL, MWM DIESEL ENGINES **CBT** TRACTORS, TRATORES **DIVERSAS** MERCEDES BENZ

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC090-2X	23,09	18,97	9,90	BOSCH - WAPSA	INTERMEDIÁRIA
SC090-3X	23,09	18,85	9,90		
SC090-STD	23,09	19,10	9,90		

APLICAÇÕES

AGRALE MOTORES MWM DIESEL, MWM DIESEL ENGINES **CBT** TRACTORS, TRATORES **DIVERSAS** MERCEDES BENZ

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC091-2X	28,09	22,00	11,20	BOSCH - WAPSA DELCO-REMY	LADO COLETOR
SC091-3X	28,09	21,87	11,20		
SC091-STD	28,09	22,13	11,20		

APLICAÇÕES

VOLVO FNM, MBB, N10, SSB

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC092-2X	48,06	39,97	10,40	BOSCH - WAPSA DELCO-REMY	LADO MOTRIZ
SC092-3X	48,06	39,84	10,40		
SC092-STD	48,06	40,09	10,40		

APLICAÇÕES

VOLVO FNM, MBB, N10, SSB

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC093-2X	14,11	11,96	13,90	BOSCH - WAPSA	LADO MOTRIZ
SC093-3X	14,11	11,83	13,90		
SC093-STD	14,11	12,12	13,90		

APLICAÇÕES

FIAT 147 **VOLKSWAGEN** GOL, PASSAT, VOYAGE 10/81 EM DIANTE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC094-2X	14,99	11,87	11,10	BOSCH - WAPSA VALEO	LADO COLETOR
SC094-3X	14,99	11,74	11,10		
SC094-STD	14,99	12,00	11,10		

APLICAÇÕES

VOLKSWAGEN GOL, KOMBI, PASSAT, VOYAGE, VOYAGE SEDAN 10/81 EM DIANTE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC095-2X	21,19	17,78	14,30	BOSCH - WAPSA	INTERMEDIÁRIA
SC095-3X	21,19	17,65	14,30		
SC095-STD	21,19	17,90	14,30		

APLICAÇÕES

FIAT 147 **VOLKSWAGEN** GOL, KOMBI DIESEL, PASSAT, VOYAGE SEDAN 10/81 EM DIANTE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1001-3X	15,91	12,51	18,10	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

FORD CAMINHÕES F100 APÓS 1970, CAMINHÕES F350 APÓS 1970, CAMINHÕES F600 APÓS 1970, PICK-UP F75; **WILLYS OVERLAND** JEEP, RURAL

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1008-STD	16,53	12,52	14,00	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

AGRALE M80, M85, M90 APÓS 07/77, MOTOR ESTACIONÁRIO M93 (ANO ATÉ 1977), MOTOR ESTACIONÁRIO M931D, MOTORES ESTACIONÁRIOS M70, TRATOR 4100 (ANO ATÉ 1977), TRATOR 416, TRATOR 420, TX 1100 (M790) **CHEVROLET- GM** CARAVAN, CHEVETTE, MARAJÓ, MONZA, OPALA **DIVERSAS** CBT, CLARK, VALMET, VOLKSWAGEN

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1016-STD	14,98	11,99	18,50	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

CHRYSLER-DODGE CAMINHÕES 400, CAMINHÕES 900 8CIL., CAMINHÕES D100, CAMINHÕES E11, CAMINHÕES E13, CAMINHÕES E21, CHARGER, DODGE DART, GRAN COUPÉ, SE, SEDAN **CLARK** EMPILHADEIRA CHY 40, EMPILHADEIRA CHY 50 **DIVERSAS** VOLKSWAGEN **FORD** AERO WILLYS, F-100, F-350, F-600, ITAMARATY, JEEP, LANDAU, MAVERICK, MAVERICK 8CIL., RURAL WILLYS **HYSTER** EATON, GUINDASTE KF **YALE** EMPILHADEIRA GL83C, EMPILHADEIRA GL83P, EMPILHADEIRA GL87P

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1040-2X	14,06	9,95	9,90	BOSCH - WAPSA	
SC1040-STD	14,06	10,07	9,90		

APLICAÇÕES

CHEVROLET-GM CORSA, OMEGA, VECTRA **FORD** ESCORT **VOLKSWAGEN** GOL BOLINHA, GOL MI, LOGUS, POLO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1101-2X	11,07	7,99	7,95	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL VALEO	LADO MOTRIZ / INTERMEDIÁRIA
SC1101-STD	11,07	8,12	7,95		

APLICAÇÕES

CHEVROLET-GM S10 A DIESEL COM MOTOR MAXION HS **FIAT** DUCATO, PALIO, SIENA, STRADA 1.0, STRADA 1.4 8V FIRE 03/2000 **FORD** CARGO 1416 COM MOTOR CUMMINS 6BT59L, CARGO 1722 COM MOTOR CUMMINS 6BT59L, ECOSPORT, ESCORT 1.6 ZETEC ROCAM 07/99, ESCORT 1.6 ZETEC ROCAM 07/99 VALEO D7E33, ESCORT 1.6 ZETEC ROCAM 07/99 VALEO D7E34, ESCORT 1.6 ZETEC ROCAM 07/99 VALEO D7E37, F1000, F1000 COM MOTOR MAXION HS 4CIL 2.5, F1000 HSD, F14000, F250, FIESTA 1.0, FIESTA 1.0 SUPERCHARGER, FIESTA 1.6 ZETEC ROCAM, KA, RANGER COM MOTOR MAXION HS 4CIL 2.5 **MERCEDES BENZ** CAMINHÕES MB 180D (OM616) APÓS 04/94, FURGÃO, PICK-UP SPRINTER, SPRINTER 310D OM014 A, SPRINTER 310D OM014 LA, SPRINTER 312D OM014 A, SPRINTER 312D OM014 LA, SPRINTER 412D OM014 A, SPRINTER 412D OM014 LA **VOLKSWAGEN** ORION, POINTER, POLO **VOLVO** CAMINHÃO SÉRIE B7R D7A A PARTIR DE 06/97, CAMINHÃO SÉRIE B7R D7B A PARTIR DE 06/97

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1227-STD	17,97	14,32	19,00	BOSCH - WAPSA ISKRA	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM CAMINHÃO DIESEL COM PERKINS 6CIL APÓS 1971, CAMINHÃO DIESEL COM PERKINS 6CIL ATÉ 1971, PICK-UP DIESEL COM PERKINS 4CIL APÓS 1971, PICK-UP DIESEL COM PERKINS 4CIL ATÉ 1971 **EATON** EMPILHADEIRA D83C APÓS 1971, EMPILHADEIRA D83C ATÉ 1971, EMPILHADEIRA D83P APÓS 1971, EMPILHADEIRA D83P ATÉ 1971, EMPILHADEIRA D87P APÓS 1971, EMPILHADEIRA D87P ATÉ 1971, EMPILHADEIRA GL83C, EMPILHADEIRA GL83P, EMPILHADEIRA GL87P, PÁ CARREGADEIRA 250A 1900 APÓS 1971, PÁ CARREGADEIRA 250A 1900 ATÉ 1971 **FORD** CAMINHÃO 11000 COM MWM APÓS 1971, CAMINHÃO 12000 COM PERKINS APÓS 1971, CAMINHÃO 13333 COM PERKINS APÓS 1971, CAMINHÃO 2000 COM MWM APÓS 1971, CAMINHÃO 4000 COM MWM APÓS 1971, CAMINHÃO 7000 COM MWM APÓS 1971, CAMINHÃO F1000 COM MWM APÓS 1971, CAMINHÃO F11000 COM MOTOR PERKINS 6CC, CAMINHÃO F11000 COM PERKINS APÓS 1971, CAMINHÃO F12000 COM MOTOR PERKINS 6CC, CAMINHÃO F14000 COM MOTOR PERKINS 6CC, CARGO C1218, CARGO C1415, CARGO C1418, CARGO C1618 MOTOR FORD 6.6 L DIESEL (MWM 4/6 CIL.) F13333 (PERKINS 6 CIL.), F4000 COM MOTOR FORD A DIESEL DE 4CC, TRATOR 4600 APÓS 1971, TRATOR 5000 APÓS 1971, TRATOR 6600 APÓS 1971 **HYSTER** EMPILHADEIRA COM PERKINS 4CIL E COM GM 4CIL **MASSEY FERGUSON** PLANTADORA E SEMEADORA 220, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 400, TRATOR 95 IX, TRATOR 951 IX, TRATORES MF 290 **MAXION** COLHEDEIRA 220, TRATOR 275, TRATOR 285, TRATOR 290, TRATOR 295, TRATOR 296, TRATOR 85X, TRATOR 951, TRATOR 951 ATÉ 1971, TRATOR 95Y, TRATOR ALC, TRATOR MF 95X, TRATOR MF 95X ATÉ 1971 **VALMET** TODOS COM MOTOR MWM **VOLKSWAGEN** CAMINHÃO 11.130 COM MWM, CAMINHÃO 13.130 COM MWM, CAMINHÃO 6.140 ÁLCOOL, CAMINHÃO 6.80 COM PERKINS, CAMINHÃO 6X4 COM MWM

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1261-STD	16,57	10,07	14,90	BOSCH - WAPSA	LADO COLETOR

APLICAÇÕES

CHEVROLET-GM BLAZER **DIVERSAS** RENAULT **DODGE** DAKOTA **FIAT** DUCATO 2.8T INTERCOOLER **FORD** F-1000, F-250 **IVECO** DAILY **JEEP** GRAND CHEROKEE **LAND ROVER** DEFENDER 2.5 TURBO DIESEL, DISCOVERY 2.5 TDI **MERCEDES BENZ** SPRINTER **PEUGEOT** BOXER MOTOR DIESEL 2.5D **SSANGYONG** MUSSO 2.3, MUSSO 2.9 D

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1726-STD	23,05	19,02	13,05	BOSCH - WAPSA ISKRA	INTERMEDIÁRIA

APLICAÇÕES

DIVERSAS CASE, NEW HOLLAND, SCANIA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1779-STD	11,00	8,46	11,00	BOSCH - WAPSA	

APLICAÇÕES

FIAT PALIO, PALIO WEEKEND, SIENA, STRADA 1.0 E 1.4 FIRE **FORD** FIESTA 1.0, FIESTA 1.3, FIESTA 1.4 **VOLKSWAGEN** FUSCA, KOMBI 1.6 A AR. (BOSCH: DM/EF)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1828-STD	15,11	12,04	15,10	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM ASTRA, CORSA, KADETT 1.6, KADETT 1.8, KADETT 2.0, KADETT 2.2, OMEGA, SILVERADO, VECTRA **FORD** ESCORT GUARUJÁ, ESCORT HOBBY, RANGER **IVECO** IVECO 619 COM MOTOR C3. **MASSEY FERGUSON** TRATOR 1075 COM MOTOR PERKINS 6.305, TRATOR 1075 COM MOTOR PERKINS 6.354, TRATOR 1078 COM MOTOR PERKINS 6.305, TRATOR 1078 COM MOTOR PERKINS 6.354, TRATOR 1088 COM MOTOR PERKINS 6.305, TRATOR 1088 COM MOTOR PERKINS 6.354, TRATOR 1095 COM MOTOR PERKINS 6.354, TRATOR 1098 COM MOTOR PERKINS 6.354 TRATOR 1175 COM MOTOR PERKINS 6.305, TRATOR 1175 COM MOTOR PERKINS 6.354, TRATOR 1185 COM MOTOR PERKINS 6.305, TRATOR 1185 COM MOTOR PERKINS 6.354, TRATOR 1195 COM MOTOR PERKINS 6.354, TRATOR 1215T COM MOTOR PERKINS 6.305, TRATOR 1215T COM MOTOR PERKINS 6.354, TRATOR 150 COM MOTOR PERKINS 4.203, TRATOR 150 COM MOTORES PERKINS 3.152, TRATOR 155 COM MOTOR PERKINS 4.203, TRATOR 155 COM MOTORES PERKINS 3.152, TRATOR 165 COM MOTOR PERKINS 4.203, TRATOR 165 COM MOTORES PERKINS 3.152, TRATOR 255 COM MOTOR PERKINS 4.203, TRATOR 255 COM MOTORES PERKINS 3.152, TRATOR 265 COM MOTOR PERKINS 4.203, TRATOR 265 COM MOTORES PERKINS 3.152 **MERCEDES BENZ** SPRINTER **VOLKSWAGEN** GOL, PARATI, SAVEIRO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1856-STD	16,00	12,04	9,50	BOSCH - WAPSA DELCO-REMY	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM BLAZER, S10 **FORD** F250, MONDEO, RANGER **IVECO** 35.10, 49.10 **MERCEDES BENZ** SPRINTER **TOYOTA** HILUX

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1870-STD	22,11	17,99	5,65	BOSCH - WAPSA VALEO	INTERMEDIÁRIA / PLANETÁRIA

APLICAÇÕES

ALFA ROMEO ALFA 145-1.6IE, ALFA 155 2.0TS, ALFA 156 2.0TS, ALFA 164 2.0TS, ALFA 166 2.0TS, ALFA SPIDER 2.0TS **AUDI** A3 1.8, A3 1.8T, A6, A8 **CHEVROLET-GM** ASTRA, BLAZER, IPANEMA, KADETT, OMEGA, OMEGA IMPORTADO(AUSTRALIA) 3.8/V6, S-10, VECTRA, ZAFIRA **CITROËN** BERLINGO, XANTIA, XSARA **FIAT** CROMA 2.0IE 16V TURBO, PALIO 1.6 16V, PALIO WEEKEND 1.6 16V TEMPRA 2.0 IE, TEMPRA 2.0 MPI 8V 16V TURBO, TEMPRA 2.0 SPI 8V 16V TURBO, TEMPRA TURBO MPI 8V, TIPO 1.8, TIPO 2.0IE 16V **FORD** ESCORT 1.6I, ESCORT 1.8I, ESCORT 2.0I, VERONA 1.8I, VERONA 2.0I **PEUGEOT** 306, 405, 605, 806, PARTNER **RENAULT** LAGUNA 2.0I 16V, LAGUNA G. TOUR 3.0 L 24V DOHC V6 2003 ATÉ 2006, LAGUNA RXE NEVADA RT 2.0L 8V SOHC 2001 ATÉ 2005, MEGANE FABRICADO NO BRASIL 2.0 8V (F3R) 2002 ATÉ 2006, R19 1.8L 8V SOHC 1994 ATÉ 1999 **SEAT** ALHAMBRA, CORDOBA, IBIZA, INCA 1.6 EFI **VOLKSWAGEN** GOL, GOLF II 1.8, GOLF III 1.8, LOGUS 1.6, LOGUS 1.8, LOGUS 2.0I, LOGUS MI, PARATI, PASSAT 2.0 (IMPORTADO), POINTER 1.8, POINTER 2.0I, POINTER MI, QUANTUM, SANTANA, SAVEIRO, VOYAGE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1871-STD	11,07	8,04	9,95	BOSCH - WAPSA DELCO-REMY PRESTOLITE - LUCAS INDIEL	LADO COLETOR / PLANETÁRIA

APLICAÇÕES

MERCEDES BENZ SÉRIE - 12T, SÉRIE - 14T, SÉRIE - 16T, SÉRIE - 24T, SÉRIE - 7T, SÉRIE - 9T, SÉRIE - O

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1902-STD	10,03	6,12	8,10	BOSCH - WAPSA FORD / MOTORCRAFT	PLANETÁRIA

APLICAÇÕES

FORD FIESTA, FOCUS, KA, MONDEO, RANGER (DIESEL)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1909-STD	22,11	17,99	6,10	BOSCH - WAPSA	PLANETÁRIA

APLICAÇÕES

OBSERVAÇÕES Substitui rolamento **FIAT** ARGO, MOBI 1.0(3CL), TORO, UNO **JEEP** RENEGADE FLEX 1.8

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1913-STD	11,49	10,09	10,30	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS MOTOR DO LIMPADOR DE PÁRA-BRISAS DO UNO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1915-STD	28,07	21,93	16,00	BOSCH - WAPSA DELCO-REMY	INTERMEDIÁRIA

APLICAÇÕES

DIVERSAS SCANIA, VOLKSWAGEN **FORD** CARGO 1722 TURBO COM MOTOR CUMMINS 6BT56L **MERCEDES BENZ** CAMINHÕES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1916-STD	20,67	15,90	18,90	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

DIVERSAS SCANIA, VOLKSWAGEN **FORD** CARGO 1722 COM CUMMINS JE 12, CARGO 1722 COM CUMMINS JE 24V, CARGO 1722 TURBO COM MOTOR CUMMINS 6BT59L **MERCEDEZ BENZ** CAMINHÕES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1963-2X	11,01	7,89	11,00	BOSCH - WAPSA	LADO MOTRIZ
SC1963-STD	11,01	8,02	11,00		

APLICAÇÕES

FIAT TEMPRA TURBO **FORD** ESCORT, FIESTA **MERCEDES BENZ** SPRINTER **VOLKSWAGEN** GOL BOLINHA, PARATI, SANTANA, SAVEIRO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2022-STD	9,01	5,04	10,30	BOSCH - WAPSA MAGNETI MARELLI MITSUBA	PLANETÁRIA

APLICAÇÕES

ACURA TSX 2.4L **FIAT** ARGO, DUCATO 2.8 DIESEL, MOBI 1.0, UNO **HONDA** ACCORD 2.4L, CIVIC EX 2007 ATÉ 2013, CIVIC LX 2007 ATÉ 2013, CIVIC SI 2007 ATÉ 2013, CR-V 2.4L, ELEMENT 2.4L EX ELEMENT 2.4L LX **JEEP** RENEGADE FLEX 1.8

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2024-STD	11,10	8,12	10,45	BOSCH - WAPSA	INTERMEDIÁRIA

APLICAÇÕES

TOYOTA HILUX 3.0 16V D´ 05 R78-M55 12V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2056-2X	22,11	17,89	8,20	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL	LADO COLETOR / PLANETÁRIA
SC2056-STD	22,11	18,02	8,20		

APLICAÇÕES

AGRALE ÔNIBUS VOLARE **AUDI** 100 2.8, 80 2.2 QUATTRO S2, 80 2.2 RS2, 80 2.6, 80 2.8, 80 QUATTRO 2.6, A6 2.6, S6 2.2 T **BMW** 325 I, 525 I **CHEVROLET-GM** GRAN BLAZER, PICK-UP D20, SILVERADO, SILVERADO COM MOTOR MWM SPRINT 6CIL 4.2 **CHRYSLER** DODGE DAKOTA 2.5 D, GRAND CARAVAN 2.5, VOYAGER 2.5, VOYAGER 3.3, VOYAGER 3.6 **CUMMINS** MOTOR B, MOTOR CUMMINS 4BT, MOTOR CUMMINS 6BT, MOTOR CUMMINS 6BTAA, MOTOR CUMMINS SÉRIE B, MOTOR SÉRIE 6BT(DIANTEIRO), MOTOR SÉRIE B6, MOTOR SÉRIE BT 5.9L **FIAT** BRAVO, FIORINO, MAREA, PALIO, PALIO WEEKEND, SIENA, STILO, STRADA **FORD** CAMINHÃO F4000, CAMINHÕES COM MOTORES CUMMINS, CARGO 1217 COM CUMMINS 4BT 3.9, CARGO 1217 COM CUMMINS 6BT 5.9, CARGO 1217 COM CUMMINS 6BTAA 5.9, CARGO 1416, CARGO 1417 COM CUMMINS 4BT 3.9, CARGO 1417 COM CUMMINS 6BT 5.9, CARGO 1417 COM CUMMINS 6BTAA 5.9, CARGO 1421 COM CUMMINS 4BT 3.9, CARGO 1421 COM CUMMINS 6BT 5.9, CARGO 1421 COM CUMMINS 6BTAA 5.9, CARGO 1617 COM CUMMINS 4BT 3.9, CARGO 1617 COM CUMMINS 6BT 5.9, CARGO 1617 COM CUMMINS 6BTAA 5.9, CARGO 1621 COM CUMMINS 4BT 3.9, CARGO 1621 COM CUMMINS 6BT 5.9, CARGO 1621 COM CUMMINS 6BTAA 5.9, CARGO 1716, CARGO 1722, CARGO 815 COM CUMMINS 4BT 3.9, CARGO 815 COM CUMMINS 6BT 5.9, CARGO 815 COM CUMMINS 6BTAA 5.9, CARGO 815VUC COM CUMMINS 4BT 3.9, CARGO 815VUC COM CUMMINS 6BT 5.9, CARGO 815VUC COM CUMMINS 6BTAA 5.9, F-14000 COM MOTOR MWM, PICK-UP F100 COM MAXION HS4 2.5, PICK-UP F100 COM MOTOR CUMMINS B 4CC 3.9, PICK-UP F100 DEUTZ 913 4CIL, PICK-UP F1000, PICK-UP F1000 COM MAXION HS4 2.5, PICK-UP F1000 COM MOTOR CUMMINS B 4CC 3.9, PICK-UP F1000 COM MOTOR MAXION HS 4CIL 2.5, PICK-UP F1000 DEUTZ 913 4CIL, PICK-UP F150 COM MAXION HS4 2.5, PICK-UP F150 COM MOTOR CUMMINS B 4CC 3.9, PICK-UP F150 DEUTZ 913 4CIL, PICK-UP F350, RANGER **IVECO** IVECO DAILY TURBO DIESEL **LAND ROVER** DEFENDER COM MOTORES 2.5 GEMINI III 4CIL, DISCOVERY COM MOTOR 2.5 GEMINI III 4CIL **MASSEY FERGUSON** COLHEITADEIRA 5650 6.0 1000T, COLHEITADEIRA 5650 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, COLHEITADEIRA MF3640 6.0 1000T, COLHEITADEIRA MF3640 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, COLHEITADEIRA MF86HS COM MOTORES PERKINS SÉRIES P4000 4.1, COLHEITADEIRA MF96HS COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 275 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 283 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 290 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 292 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 299 6.0 1000T, TRATOR 299 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR 5272 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 5275 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 5285 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 52902 COM MOTORES PERKINS SÉRIES P4000 4.1,

TRATOR 5300 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 5310 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR 5320 6.0 1000T, TRATOR 5320 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR 640 6.0 1000T, TRATOR 640 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR 650 6.0 1000T, TRATOR 650 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR 660 6.0 1000T, TRATOR 660 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR 680 6.0 1000T, TRATOR 680 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T, TRATOR MF 265 COM MOTORES PERKINS SÉRIES P4000 4.1, TRATOR MF 297 6.0 1000T, TRATOR MF 297 COM MOTORES PERKINS 6.0 SÉRIE 1006 - 6T **MERCEDES BENZ** 124 - 230 E, CAMINHÃO 180D KOMBI ESPANHOLA, CAMINHÃO MB 180 D, ÔNIBUS, SPRINTER COM MOTOR MAXION HS **MITSUBISHI** L-200 **MWM** SÉRIE 229, SÉRIE X10, SPRINT 6CIL 4.2 **PEUGEOT** 504, 505, COM MOTOR INDENOR **RENAULT** CLIO 2.0I WILIAMS, LAGUNA 2.0 I **TOYOTA** HILUX 3.0 16V D 05 R78-M55 12V (R) **VOLVO** 740 2.0, 940 2.3 TURBO, 960 2.3 TURBO INTERC

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2072-STD	14,02	10,02	10,20	BOSCH - WAPSA	LADO COLETOR / LADO INTERMEDIÁRIO

APLICAÇÕES

TOYOTA HILUX 3.0 16V D´ 05 R78-M55 12V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2081-STD	25,04	21,06	11,90	BOSCH - WAPSA	INTERMEDIÁRIA

APLICAÇÕES

DIVERSAS VOLVO **MERCEDES BENZ** SÉRIE 12T, SÉRIE 14T, SÉRIE 16T, SÉRIE 24T, SÉRIE 7T, SÉRIE 9T

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2144-STD	15,12	12,09	15,00	BOSCH - WAPSA PRESTOLITE - LUCAS INDIEL	INTERMEDIÁRIA

APLICAÇÕES

CHEVROLET-GM PICK-UP DIESEL COM MAXION APÓS 1994 **FIAT** DUCATO **FORD** PICK-UP F100, PICK-UP F1000, PICK-UP F150, PICK-UP F250 **MASSEY FERGUSON** MOTORES MAXION IOCHPE D **MERCEDES BENZ** CAMINHÕES OM014 LA, SPRINTER 310D OM014 A, SPRINTER 310D OM014 LA, SPRINTER 312D OM014 A, SPRINTER 312D OM014 LA, SPRINTER 412D OM014 A, SPRINTER 412D OM014 LA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2146-STD	9,02	6,33	6,50	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM D-20, MONZA, OPALA (LIMPADOR DE PARA-BRISA) **DIVERSAS** ARNO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2147-STD	11,62	8,71	16,00	BOSCH - WAPSA	LADO COLETOR

APLICAÇÕES

CHEVROLET-GM D-20, MONZA, OPALA (LIMPADOR DE PARA-BRISA) **DIVERSAS** ARNO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2203-STD	16,02	10,03	10,00	BOSCH - WAPSA	INTERMEDIÁRIA

APLICAÇÕES

DIVERSAS VOLVO **MERCEDES BENZ** SÉRIE 12T, SÉRIE 14T, SÉRIE 16T, SÉRIE 24T, SÉRIE 7T, SÉRIE 9T

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2209-STD	18,02	14,02	14,00	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

CASE MX **DIVERSAS** VALTRA **NEW HOLLAND** SÉRIE TM 135, SÉRIE TM 150, SÉRIE TM 160

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2239-STD	16,01	12,01	13,50	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

TOYOTA HILUX APÓS 2006

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2246-STD	16,01	12,01	12,10	BOSCH - WAPSA	

APLICAÇÕES

FIAT FIORINO, FIRE 2010 EM DIANTE, GRAND SIENA, PALIO, SIENA, STRADA **FORD** F250 COM MOTOR CUMMINS ELETRÔNICO, F350 COM MOTOR CUMMINS ELETRÔNICO, F4000 COM MOTOR CUMMINS ELETRÔNICO **TOWNER** ANTIGA **TOYOTA** HILUX 2.5 SW4 D4D, HILUX 2.8 SW4 D4D, HILUX 3.0 SW4 D4D

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2259-STD	12,51	8,01	8,00	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

FIAT PALIO FIRE 1.4, UNO VIVACE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2293-STD	32,00	25,00	12,00	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS AUDI **VOLKSWAGEN** GOLF, JETTA, NEW BEETLE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2295-STD	35,02	28,02	16,00	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

OBSERVAÇÕES Substitui rolamento de agulha: HK2816 **VOLKSWAGEN** CROSSFOX TOTAL FLEX 10 2003 A 2014, FOX 1.0 TOTAL FLEX 10 2003 A 2014, GOL G5 1.0 TOTAL FLEX 2008 EM DIANTE, GOL G5 1.6 TOTAL FLEX 2008 EM DIANTE, GOL G6 1.0 TOTAL FLEX 2008 EM DIANTE, GOL G6 1.6 TOTAL FLEX 2008 EM DIANTE, GOLF 4 1.6 TOTAL FLEX 2001 A 2013, POLO 1.6 HATCH TOTAL FLEX 2002 A 2011, POLO 1.6 SEDAN TOTAL FLEX 2002 A 2011, SPACE CROSS 1.6 TOTAL FLEX 10 2003 A 2014, SPACEFOX TOTAL FLEX 10 2003 A 2014, TOTAL FLEX 2002 A 2011, VOYAGE 1.0 TOTAL FLEX 2008 EM DIANTE, VOYAGE 1.6 TOTAL FLEX 2008 EM DIANTE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2309-STD	24,02	15,91	18,90	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

JOHN DEERE COLHEITADEIRA **MERCEDES-BENZ (CAMINHÕES)** ACTROS 2553 **SCANIA (CAMINHÕES)** P114, P124, P322, P340, P360, P400, R114, R320, R322, R340, R360, T114, T320, T322, T340 T360

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2324-STD	10,01	6,01	8,50	BOSCH - WAPSA	PLANETÁRIA

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, S-10, VECTRA ATÉ 2001 **DIVERSAS** DELCO, DENSO, FIAT, HYUNDAI, JHAEM

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2333-STD	13,03	9,02	10,00	BOSCH - WAPSA	LADO MOTRIZ

APLICAÇÕES

FIAT PALIO FIRE, UNO VIVACE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3005-2X	16,52	12,39	10,50	BOSCH - WAPSA	LADO MOTRIZ / LADO COLETOR
SC3005-3X	16,52	12,26	10,50		
SC3005-STD	16,52	12,56	10,50		

APLICAÇÕES

CHEVROLET-GM CORSA 1.0 POWERTECH, CORSA 1.4 POWERTECH, CORSA 1.4 POWERTECH (B 16 MZ SOHC), OMEGA 2.0 POWERTECH (B 16 MZ SOHC), OMEGA 2.2 POWERTECH, OMEGA 2.2 POWERTECH (B 16 MZ SOHC), OMEGA 3.0 POWERTECH, OMEGA 3.0 POWERTECH (B 16 MZ SOHC), VECTRA 2.0 POWERTECH, VECTRA 2.2 POWERTECH **CHRYSLER** CAMINHÃO DP 500 COM MOTOR PERKINS, CAMINHÃO DP 600 COM MOTOR PERKINS, CAMINHÃO DP 800 COM MOTOR PERKINS **DIVERSAS** 149 E 0.11, 159 B 1.011, 159 B 4.011), 159 B 5.011, 159 B 7.011 **FIAT** TEMPRA 2.0 MPI 16V, TEMPRA 2.0 MPI 8V, TEMPRA 2.0 SPI 16V, TEMPRA 2.0 SPI 8V, TEMPRA TURBO 2.0 MPI 8V (159 B 2.011 **FORD** ESCORT, ESCORT VERONA, FIESTA 1.0 GSG, FIESTA 1.0 J6B CVH14/PTE, FIESTA 1.0 JBC, FIESTA 1.0 TLB, FIESTA 1.3 GSG, FIESTA 1.3 J6B CVH14/PTE, FIESTA 1.3 JBC, FIESTA 1.3 TLB, FIESTA 1.4, FIESTA 1.4 GSG, FIESTA 1.4 J6B CVH14/PTE, FIESTA 1.4 JBC, FIESTA 1.4 TLB **PEUGEOT** 105 1.0I, 205 1.4I, 206 1.6I, 306 1.6I, 306 1.8I 16V, PARTNER 1.4I CDI, PARTNER 1.4I CDZ, PARTNER 1.4I HDZ, PARTNER 1.4I HFX, PARTNER 1.4I KDX, PARTNER 1.4I KDY, PARTNER 1.4I KDZ, PARTNER 1.4I KFX), PARTNER 1.4I NFZ, PARTNER 1.4I TU5JP4, PARTNER 1.4I XU7JPA **SCANIA** MODELO BN 113 ALB. 113 CLB 1990.05 1998.08. COM MOTOR DN11.06C. DS11.34. .71. DSC11.04. .08C 11.0 LT, MODELO CN 113. 113 A 1990.01 1998.08. COM MOTOR DN11.34. 74. DSC11.04. 08 11.0 LTR N° SCANIA **VOLKSWAGEN** LOGUS, POINTER

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3008-2X	22,11	17,89	6,80	BOSCH - WAPSA	INTERMEDIÁRIA
SC3008-STD	22,11	18,02	6,80	PRESTOLITE - LUCAS INDIEL	

APLICAÇÕES

AUDI AUDI A3 1.6 AGN, AUDI A3 1.6 AGU, AUDI A3 1.6 AKL, AUDI A3 1.6 APG, AUDI A3 1.6 AQA, AUDI A3 1.8-T AGN, AUDI A3 1.8-T AGU, AUDI A3 1.8-T AKL, AUDI A3 1.8-T APG, AUDI A3 1.8-T AQA, AUDI A3 AGU, AUDI A3 AJQ, AUDI A3 APX, AUDI A3 APY, AUDI A3 AQA, AUDI S3 1.8 AGU, AUDI S3 1.8 AJQ, AUDI S3 1.8 APX, AUDI S3 1.8 APY, AUDI S3 1.8 AQA, T QUATTRO AGU, T QUATTRO AJQ, T QUATTRO APX, T QUATTRO APY, T QUATTRO AQA, TT COUPÉ 1.8 T QUATTRO AGU, TT COUPÉ 1.8 T QUATTRO AJQ, TT COUPÉ 1.8 T QUATTRO APX, TT COUPÉ 1.8 T QUATTRO APY, TT COUPÉ 1.8 T QUATTRO AQA, TT ROADSTER 1.8 T QUATTRO AGU, TT ROADSTER 1.8 T QUATTRO AJQ, TT ROADSTER 1.8 T QUATTRO APX, TT ROADSTER 1.8 T QUATTRO APY, TT ROADSTER 1.8 T QUATTRO AQA **CHEVROLET-GM** CARAVAN 2500, CORSA, CORSA POWERTECH 1.6, OMEGA 2.2, OMEGA 3.0, OPALA 2500, VECTRA **CITROËN** BERLINGO 1.8 4CC COM MOTOR XU7 **FIAT** DUCAT **FORD** ESCORT MOTOR ZETEC, F25, VERONA MOTOR ZETEC **MERCEDES BENZ** CAMINHÕES MB 180D (OM616) APÓS 04/94, FURGÃO, PICK-UP SPRINTER, SPRINTER 310D OM014 A, SPRINTER 310D OM014 LA, SPRINTER 312D OM014 A, SPRINTER 312D OM014 LA, SPRINTER 412D OM014 A, SPRINTER 412D OM014 LA **NISSAN** MÁXIMA **PEUGEOT** 205 COM MOTOR XU7 4CIL 1.6, 205 COM MOTOR XU7 4CIL 1.9, 306 COM MOTOR XU7 4CIL 1.6, 306 COM MOTOR XU7 4CIL 1.9, 306 GASOLINA, 405, 405 COM MOTOR XU7 4CIL 1.6, 405 COM MOTOR XU7 4CIL 1.9, 405 DIESEL, PARTNER COM MOTOR XU7 4CIL 1.6, PARTNER COM MOTOR XU7 4CIL 1.9 **PORSCHE** BOXTER 2.5I (M96.20) **SEAT** ANX, CORDOBA 1.0 8V ABD, CORDOBA 1.0 8V ABU, CORDOBA 1.0 8V AEE, CORDOBA 1.0 8V AEX, CORDOBA 1.0 8V AFH, CORDOBA 1.0 8V AKK, CORDOBA 1.0 8V AKV, CORDOBA 1.0 8V ALD, CORDOBA 1.0 8V ALM, CORDOBA 1.0 8V ANV, CORDOBA 1.0 8V ANW, CORDOBA 1.0 8V APE, CORDOBA 1.0 8V APQ, CORDOBA 1.0 8V AST, CORDOBA 1.0 8V AUA, CORDOBA 1.0 8V AUB, CORDOBA 1.0 8V AUC, CORDOBA 1.0 8V AUD, CORDOBA 1.0 8V AVZ, CORDOBA 1.0 8V ERA, CORDOBA 1.4 8V ABD, CORDOBA 1.4 8V ABU, CORDOBA 1.4 8V AEE, CORDOBA 1.4 8V AEX, CORDOBA 1.4 8V AFH, CORDOBA 1.4 8V AKK, CORDOBA 1.4 8V AKV, CORDOBA 1.4 8V ALD, CORDOBA 1.4 8V ALM, CORDOBA 1.4 8V ANV, CORDOBA 1.4 8V ANW, CORDOBA 1.4 8V APE, CORDOBA 1.4 8V APQ, CORDOBA 1.4 8V AST, CORDOBA 1.4 8V AUA, CORDOBA 1.4 8V AUB, CORDOBA 1.4 8V AUC, CORDOBA 1.4 8V AUD, CORDOBA 1.4 8V AVZ, CORDOBA 1.4 8V ERA, CORDOBA 1.6 16V ABD, CORDOBA 1.6 16V ABU, CORDOBA 1.6 16V AEE, CORDOBA 1.6 16V AEX, CORDOBA 1.6 16V AFH, CORDOBA 1.6 16V AKK CORDOBA 1.6 16V AKV, CORDOBA 1.6 16V ALD, CORDOBA 1.6 16V ALM, CORDOBA 1.6 16V ANV, CORDOBA 1.6 16V ANW, CORDOBA 1.6 16V APE, CORDOBA 1.6 16V APQ, CORDOBA 1.6 16V AST, CORDOBA 1.6 16V AUA, CORDOBA 1.6 16V AUB, CORDOBA 1.6 16V AUC, CORDOBA 1.6 16V AUD, CORDOBA 1.6 16V AVZ, CORDOBA 1.6 16V ERA, CORDOBA 1.6 ADY, CORDOBA 1.6 AEH, CORDOBA 1.6 AFN, CORDOBA 1.6 AHU, CORDOBA 1.6 AJH, CORDOBA 1.6 AKL, CORDOBA 1.6 APF, CORDOBA 1.6 AQX, CORDOBA 1.6 ATM, CORDOBA 1.6 AUR, CORDOBA 1.6 AYP, IBIZA 1.0 8V ABD, IBIZA 1.0 8V ABU IBIZA 1.0 8V AEE, IBIZA 1.0 8V AEX, IBIZA 1.0 8V AFH, IBIZA 1.0 8V AKK, IBIZA 1.0 8V AKV, IBIZA 1.0 8V ALD, IBIZA 1.0 8V ALM, IBIZA 1.0 8V ANV, IBIZA 1.0 8V ANW, IBIZA 1.0 8V APE, IBIZA 1.0 8V APQ, IBIZA 1.0 8V AST, IBIZA 1.0 8V AUA, IBIZA 1.0 8V AUB, IBIZA 1.0 8V AUC, IBIZA 1.0 8V AUD, IBIZA 1.0 8V AVZ, IBIZA 1.0 8V ERA, IBIZA 1.4 16V ABD, IBIZA 1.4 16V ABU, IBIZA 1.4 16V AEE, IBIZA 1.4 16V AEX IBIZA 1.4 16V AFH, IBIZA 1.4 16V AKK, IBIZA 1.4 16V AKV, IBIZA 1.4 16V ALD, IBIZA 1.4 16V ALM, IBIZA 1.4 16V ANV, IBIZA 1.4 16V ANW, IBIZA 1.4 16V APE, IBIZA 1.4 16V APQ, IBIZA 1.4 16V AST, IBIZA 1.4 16V AUA, IBIZA 1.4 16V AUB, IBIZA 1.4 16V AUC, IBIZA 1.4 16V AUD, IBIZA 1.4 16V AVZ, IBIZA 1.4 16V ERA, IBIZA 1.6 ADY, IBIZA 1.6 AEH, IBIZA 1.6 AJH, IBIZA 1.6 AKL, IBIZA 1.6 APF, IBIZA 1.6 ATM, IBIZA 1.6 AUR, IBIZA 1.8 20V TURBO ADY, IBIZA 1.8 20V TURBO AFN, IBIZA 1.8 20V TURBO AHU, IBIZA 1.8 20V TURBO AJH, IBIZA 1.8 20V TURBO AKL, IBIZA 1.8 20V TURBO AQX, IBIZA 1.8 20V TURBO AYP, VARIO 1.6 ADY, VARIO 1.6 AEH, VARIO 1.6 AFN, VARIO 1.6 AHU, VARIO 1.6 AJH, VARIO 1.6 AKL, VARIO 1.6 APF, VARIO 1.6 AQX, VARIO 1.6 ATM, VARIO 1.6 AUR, VARIO 1.6 AYP **VOLKSWAGEN** BEETLE 2.0 AEG, BEETLE 2.0 AEH, BEETLE 2.0 AGN, BEETLE 2.0 AGU, BEETLE 2.0 AHW, BEETLE 2.0 AKL, BEETLE 2.0 AKQ, BEETLE 2.0 APF, BEETLE 2.0 APK, BEETLE 2.0 AQY, BEETLE 2.0 ARZ, BEETLE 2.0 ATM BEETLE 2.0 ATN, BEETLE 2.0 AUM, BEETLE 2.0 AZJ, GOL BOLINHA, GOL G2 BOLINHA, GOL GTI, GOL MI, GOLF 1.8 G I GASOLINA UDD, GOLF G4 1.8 4 MOTION AEG, GOLF G4 1.8 4 MOTION AGN, GOLF G4 1.8 4 MOTION AGU, GOLF G4 1.8 4 MOTION APK, GOLF G4 1.8 4 MOTION AQY, GOLF G4 1.8 4 MOTION ARZ, GOLF G4 1.8 4 MOTION AUM, GOLF G4 1.8 AEG, GOLF G4 1.8 AGN, GOLF G4 1.8 AGU, GOLF G4 1.8 APK, GOLF G4 1.8 AQY, GOLF G4 1.8 ARZ, GOLF G4 1.8 AUM, GOLF G4 1.8 GTI TURBO AEG, GOLF G4 1.8 GTI TURBO AGN, GOLF G4 1.8 GTI TURBO AGU, GOLF G4 1.8 GTI TURBO APK, GOLF G4 1.8 GTI TURBO AQY, GOLF G4 1.8 GTI TURBO ARZ, GOLF G4 1.8 GTI TURBO AUM, GOLF G4 2.0I AEG, GOLF G4 2.0I AGN, GOLF G4 2.0I AGU, GOLF G4 2.0I APK, GOLF G4 2.0I AQY, GOLF G4 2.0I ARZ, GOLF G4 2.0I AUM, ORION, PARATI, PARATI G2 1.8 MI UDD, PARATI G2 1.8 MI UDJ, PARATI G2 1.8 MI UED, PARATI G2 1.8 MI UEG, PARATI G2 1.8 MI UND, PARATI G2 1.8 MI UPD, PARATI G2 1.8 MI UQG, PARATI G2 1.8 MI UQH, PARATI G2 1.8 MI URE, PARATI G2 1.8 MI URF, PARATI G2 2.0 MI UDD, PARATI G2 2.0 MI UDJ, PARATI G2 2.0 MI UED, PARATI G2 2.0 MI UEG, PARATI G2 2.0 MI UND, PARATI G 2.0 MI UPD, PARATI G2 2.0 MI UQG, PARATI G2 2.0 MI UQH, PARATI G2 2.0 MI URE, PARATI G2 2.0 MI URF, POINTER, POLO, POLO 1.0 16V APÓS 2002 ARA, POLO 1.0 16V APÓS 2002 BAH, POLO 1.6 APÓS 2002 ARA, POLO 1.6 APÓS 2002 BAH, POLO 2.0 2002 BBX, PÓLO SEDAN 2002 BBX, POLO SEDAN APÓS 2002 ARA, POLO SEDAN APÓS 2002 BAH, QUANTUM 1.8 MI UDD, QUANTUM 1.8 MI UDJ, QUANTUM 1.8 MI UED, QUANTUM 1.8 MI UEG, QUANTUM 1.8 MI UND, QUANTUM 1.8 MI UPD, QUANTUM 1.8 MI UQG, QUANTUM 1.8 MI UQH, QUANTUM 1.8 MI URE, QUANTUM 1.8 MI URF, QUANTUM 2.0 MI UDD, QUANTUM 2.0 MI UDJ, QUANTUM 2.0 MI UED, QUANTUM 2.0 MI UEG, QUANTUM 2.0 MI UND, QUANTUM 2.0 MI UPD, QUANTUM 2.0 MI UQG, QUANTUM 2.0 MI UQH, QUANTUM 2.0 MI URE, QUANTUM 2.0 MI URF, SANTANA, SANTANA 1.8 MI UDD, SANTANA 1.8 MI UDJ, SANTANA 1.8 MI UED, SANTANA 1.8 MI UEG, SANTANA 1.8 MI UND, SANTANA 1.8 MI UPD, SANTANA 1.8 MI UQG, SANTANA 1.8 MI UQH, SANTANA 1.8 MI URE, SANTANA 1.8 MI URF, SANTANA 2.0 MI UDD, SANTANA 2.0 MI UDJ, SANTANA 2.0 MI UED, SANTANA 2.0 MI UEG, SANTANA 2.0 MI UND, SANTANA 2.0 MI UPD, SANTANA 2.0 MI UQG, SANTANA 2.0 MI UQH, SANTANA 2.0 MI URE, SANTANA 2.0 MI URF, SAVEIRO, SAVEIRO G3 1.6 MI UDD, SAVEIRO G3 1.6 MI UDJ, SAVEIRO G3 1.6 MI UED, SAVEIRO G3 1.6 MI UEG, SAVEIRO G3 1.6 MI UND, SAVEIRO G3 1.6 MI UPD, SAVEIRO G3 1.6 MI UQG, SAVEIRO G3 1.6 MI UQH, SAVEIRO G3 1.6 MI URE, SAVEIRO G3 1.6 MI URF, SAVEIRO G3 1.8 MI UDD, SAVEIRO G3 1.8 MI UDJ, SAVEIRO G3 1.8 MI UED, SAVEIRO G3 1.8 MI UEG, SAVEIRO G3 1.8 MI UND, SAVEIRO G3 1.8 MI UPD, SAVEIRO G3 1.8 MI UQG, SAVEIRO G3 1.8 MI UQH, SAVEIRO G3 1.8 MI URE, SAVEIRO G3 1.8 MI URF **VOLVO** S80 2.8 T6 B 6284 T, S80 2.8 T6 B 6304-S3, S80 2.9 B 6284 T, S80 2.9 B 6304-S3

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3011-2X	16,04	11,89	16,55	BOSCH - WAPSA	LADO MOTRIZ / LADO COLETOR
SC3011-STD	16,04	12,01	16,55		

APLICAÇÕES

BMW 1500, 1600, 1602, 1802, 2002, 2500, 2800, 320, 518, 520, 525 **FIAT** ELBA 1.5, ELBA 1.6, FIORINO, FIORINO 1.5, FIORINO 1.6, PRÊMIO 1.5, PRÊMIO 1.6, SPAZIO, TIPO 1.6, TIPO 1.6 MPI, TIPO 1.6 SPI, TIPO 2.0, UNO, UNO 1.5, UNO 1.6, UNO 1.6 MPI, UNO 1.6 SPI **FORD** F1000 HSD **PEUGEOT** 504 COM CAIXA BA7 2.0, 504 COM CAIXA C3B

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3017-2X	16,52	12,39	10,50	BOSCH - WAPSA	
SC3017-STD	16,52	12,56	10,50		

APLICAÇÕES

FIAT CORSA 1.0 POWERTECH, CORSA 1.4 POWERTECH, FIESTA 1.4 POWERTECH, OMEGA 2.0 POWERTECH, OMEGA 2.2 POWERTECH

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3025-2X	32,30	28,29	11,00	BOSCH - WAPSA	LADO MOTRIZ
SC3025-3X	32,30	28,16	11,00		
SC3025-STD	32,30	28,39	11,00		

APLICAÇÕES

AUDI AUDI A3 1.6 AGN, AUDI A3 1.6 AGU, AUDI A3 1.6 AKL, AUDI A3 1.6 APG, AUDI A3 1.6 AQA, AUDI A3 1.8-T AGN, AUDI A3 1.8-T AGU, AUDI A3 1.8-T AKL, AUDI A3 1.8-T APG, AUDI A3 1.8-T AQA, AUDI A3 AGU, AUDI A3 AJQ, AUDI A3 APX, AUDI A3 APY, AUDI A3 AQA, AUDI S3 1.8 AGU, AUDI S3 1.8 AJQ, AUDI S3 1.8 APX, AUDI S3 1.8 APY, AUDI S3 1.8 AQA, T QUATTRO AGU, T QUATTRO AJQ, T QUATTRO APX, T QUATTRO APY, T QUATTRO AQA, TT COUPÉ 1.8 T QUATTRO AGU, TT COUPÉ 1.8 T QUATTRO AJQ, TT COUPÉ 1.8 T QUATTRO APX, TT COUPÉ 1.8 T QUATTRO APY, TT COUPÉ 1.8 T QUATTRO AQA, TT ROADSTER 1.8 T QUATTRO AGU, TT ROADSTER 1.8 T QUATTRO AJQ, TT ROADSTER 1.8 T QUATTRO APX, TT ROADSTER 1.8 T QUATTRO APY, TT ROADSTER 1.8 T QUATTRO AQA **DIVERSAS** B 6304 S3), ESCORT 1.6, ESCORT 1.6I, ESCORT 1.8, ESCORT 2.0, ESCORT 2.0I [AE], ESCORT 2.0I [AP], ESCORT 2.0I 16V, ESCORT 2.0I MODELO 1993, ESCORT XR3, FIESTA 1.0, FIESTA 1.3 FIESTA 1.4 [], FIESTA 1.4 [GSG], FIESTA 1.4 [J6B CVH14/PTE] E ESCORT}, FIESTA 1.4 [JBC], FIESTA 1.4 [TLB], S80 2.9 (B 6284 T, VERONA 1.6, VERONA 1.8, VERONA 1.8 VERONA 2.0I [MOTOR AP ANOS 93/94], VERONA 1.8I, VERONA 2.0 [MOTOR AP ANOS 93/94], VERONA 2.0I (EQ PRIMARIO), VERONA MODELO 1994 (EQ COMERCIAL)[] **PORSCHE** BOXTER 2.5I (M96.20) **SEAT** CORDOBA 1.0 8V ABD, CORDOBA 1.0 8V ABU, CORDOBA 1.0 8V AEE, CORDOBA 1.0 8V AEX, CORDOBA 1.0 8V AFH, CORDOBA 1.0 8V AKK, CORDOBA 1.0 8V AKV, CORDOBA 1.0 8V ALD, CORDOBA 1.0 8V ALM, CORDOBA 1.0 8V ANV, CORDOBA 1.0 8V ANW, CORDOBA 1.0 8V ANX, CORDOBA 1.0 8V APE, CORDOBA 1.0 8V APQ, CORDOBA 1.0 8V AST, CORDOBA 1.0 8V AUA, CORDOBA 1.0 8V AUB, CORDOBA 1.0 8V AUC, CORDOBA 1.0 8V AUD, CORDOBA 1.0 8V AVZ, CORDOBA 1.0 8V ERA, CORDOBA 1.4 16V ABD, CORDOBA 1.4 16V ABU, CORDOBA 1.4 16V AEE, CORDOBA 1.4 16V AEX, CORDOBA 1.4 16V AFH CORDOBA 1.4 16V AKK, CORDOBA 1.4 16V AKV, CORDOBA 1.4 16V ALD, CORDOBA 1.4 16V ALM, CORDOBA 1.4 16V ANV, CORDOBA 1.4 16V ANW, CORDOBA 1.4 16V ANX, CORDOBA 1.4 16V APE, CORDOBA 1.4 16V APQ, CORDOBA 1.4 16V AST, CORDOBA 1.4 16V AUA, CORDOBA 1.4 16V AUB, CORDOBA 1.4 16V AUC, CORDOBA 1.4 16V AUD, CORDOBA 1.4 16V AVZ, CORDOBA 1.4 16V ERA, CORDOBA 1.4 8V ABD, CORDOBA 1.4 8V ABU, CORDOBA 1.4 8V AEE, CORDOBA 1.4 8V AEX, CORDOBA 1.4 8V AFH, CORDOBA 1.4 8V AKK, CORDOBA 1.4 8V AKV, CORDOBA 1.4 8V ALD, CORDOBA 1.4 8V ALM, CORDOBA 1.4 8V ANV, CORDOBA 1.4 8V ANW, CORDOBA 1.4 8V ANX, CORDOBA 1.4 8V APE, CORDOBA 1.4 8V APQ, CORDOBA 1.4 8V AST, CORDOBA 1.4 8V AUA, CORDOBA 1.4 8V AUB, CORDOBA 1.4 8V AUC, CORDOBA 1.4 8V AUD, CORDOBA 1.4 8V AVZ, CORDOBA 1.4 8V ERA, CORDOBA 1.6 ADY, CORDOBA 1.6 AEH, CORDOBA 1.6 AFN, CORDOBA 1.6 AHU, CORDOBA 1.6 AJH, CORDOBA 1.6 AKL, CORDOBA 1.6 APF, CORDOBA 1.6 AQX, CORDOBA 1.6 ATM, CORDOBA 1.6 AUR, CORDOBA 1.6 AYP, IBIZA 1.6 ADY, IBIZA 1.6 AEH, IBIZA 1.6 AJH, IBIZA 1.6 AKL, IBIZA 1.6 APF, IBIZA 1.6 ATM, IBIZA 1.6 AUR, IBIZA 1.8 20V TURBO ADY, IBIZA 1.8 20V TURBO AFN, IBIZA 1.8 20V TURBO AHU, IBIZA 1.8 20V TURBO AJH, IBIZA 1.8 20V TURBO AKL, IBIZA 1.8 20V TURBO AQX, IBIZA 1.8 20V TURBO AYP, INCA 1.6 EFI (MY4) 11/98 ATÉ 05/01, VARIO 1.6 ADY, VARIO 1.6 AEH, VARIO 1.6 AFN, VARIO 1.6 AHU, VARIO 1.6 AJH, VARIO 1.6 AKL, VARIO 1.6 APF, VARIO 1.6 AQX, VARIO 1.6 ATM, VARIO 1.6 AUR, VARIO 1.6 AYP **VOLKSWAGEN** BEETLE 2.0 AEG, BEETLE 2.0 AEH, BEETLE 2.0 AGN, BEETLE 2.0 AGU, BEETLE 2.0 AHW, BEETLE 2.0 AKL, BEETLE 2.0 AKQ, BEETLE 2.0 APF, BEETLE 2.0 APK, BEETLE 2.0 AQY, BEETLE 2.0 ARZ, BEETLE 2.0 ATM, BEETLE 2.0 ATN, BEETLE 2.0 AUM, BEETLE 2.0 AZJ, FOX 1.0 APÓS 2005, FOX 1.6 APÓS 2005, GOL 2.0, GOL BOLA MI, GOL CLI 1.6 (SEM AR), GOL CLI 1.8 (COM AR), GOLF G4 1.8 4 MOTION AEG, GOLF G4 1.8 4 MOTION AGN, GOLF G4 1.8 4 MOTION AGU, GOLF G4 1.8 4 MOTION APK, GOLF G4 1.8 4 MOTION AQY, GOLF G4 1.8 4 MOTION ARZ, GOLF G4 1.8 4 MOTION AUM, GOLF G4 1.8 AEG, GOLF G4 1.8 AGN, GOLF G4 1.8 AGU, GOLF G4 1.8 APK, GOLF G4 1.8 AQY, GOLF G4 1.8 ARZ, GOLF G4 1.8 AUM, GOLF G4 1.8 GTI TURBO AEG, GOLF G4 1.8 GTI TURBO AGN, GOLF G4 1.8 GTI TURBO AGU, GOLF G4 1.8 GTI TURBO APK, GOLF G4 1.8 GTI TURBO AQY, GOLF G4 1.8 GTI TURBO ARZ, GOLF G4 1.8 GTI TURBO AUM, GOLF G4 2.0I AEG, GOLF G4 2.0I AGN, GOLF G4 2.0I AGU, GOLF G4 2.0I APK, GOLF G4 2.0I AQY, GOLF G4 2.0I ARZ, GOLF G4 2.0I AUM, GOLF GTI 2.0, LOGUS 1.8, LOGUS 2.0, PARATI 2.0, PARATI MI, POINTER, POLO 1.0 16V ARA APÓS 2002, POLO 1.0 16V BAH APÓS 2002, POLO 1.6 APÓS 05 ARA APÓS 2002, POLO 1.6 ARA APÓS 2002, POLO 1.6 BAH APÓS 2002, POLO 2.0 2002 BBX, POLO CLASSIC ATE 01/2000 (EQ. COMERCIAL), POLO CLASSIC ATE 01/2000 (EQ. PRIMÁRIO), POLO SEDAN 2.0 2002 BBX, POLO SEDAN ARA APÓS 2002, POLO SEDAN BAH APÓS 2002, SANTANA 2.0, VOYAGE 2.0 **VOLVO** S80 2.8 T6

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3025-2X COM RETENTOR	32,30	28,29	11,00	BOSCH - WAPSA	LADO MOTRIZ
SC3025-3X COM RETENTOR	32,30	28,16	11,00		
SC3025-STD COM RETENTOR	32,30	28,39	11,00		

APLICAÇÕES

AUDI AUDI A3 1.6 AGN, AUDI A3 1.6 AGU, AUDI A3 1.6 AKL, AUDI A3 1.6 APG, AUDI A3 1.6 AQA, AUDI A3 1.8-T AGN, AUDI A3 1.8-T AGU, AUDI A3 1.8-T AKL, AUDI A3 1.8-T APG, AUDI A3 1.8-T AQA, AUDI A3 AGU, AUDI A3 AJQ, AUDI A3 APX, AUDI A3 APY, AUDI A3 AQA, AUDI S3 1.8 AGU, AUDI S3 1.8 AJQ, AUDI S3 1.8 APX, AUDI S3 1.8 APY, AUDI S3 1.8 AQA, T QUATTRO AGU, T QUATTRO AJQ, T QUATTRO APX, T QUATTRO APY, T QUATTRO AQA, TT COUPÉ 1.8 T QUATTRO AGU, TT COUPÉ 1.8 T QUATTRO AJQ, TT COUPÉ 1.8 T QUATTRO APX, TT COUPÉ 1.8 T QUATTRO APY, TT COUPÉ 1.8 T QUATTRO AQA, TT ROADSTER 1.8 T QUATTRO AGU, TT ROADSTER 1.8 T QUATTRO AJQ, TT ROADSTER 1.8 T QUATTRO APX, TT ROADSTER 1.8 T QUATTRO APY, TT ROADSTER 1.8 T QUATTRO AQA **DIVERSAS** B 6304 S3), ESCORT 1.6, ESCORT 1.6I, ESCORT 1.8, ESCORT 2.0, ESCORT 2.0I [AE], ESCORT 2.0I [AP], ESCORT 2.0I 16V, ESCORT 2.0I MODELO 1993, ESCORT XR3, FIESTA 1.0, FIESTA 1.3 FIESTA 1.4 [], FIESTA 1.4 [GSG], FIESTA 1.4 [J6B CVH14/PTE] E ESCORT}, FIESTA 1.4 [JBC], FIESTA 1.4 [TLB], S80 2.9 (B 6284 T, VERONA 1.6, VERONA 1.8, VERONA 1.8 VERONA 2.0I [MOTOR AP ANOS 93/94], VERONA 1.8I, VERONA 2.0 [MOTOR AP ANOS 93/94], VERONA 2.0I (EQ PRIMARIO), VERONA MODELO 1994 (EQ COMERCIAL)[] **PORSCHE** BOXTER 2.5I (M96.20) **SEAT** CORDOBA 1.0 8V ABD, CORDOBA 1.0 8V ABU, CORDOBA 1.0 8V AEE, CORDOBA 1.0 8V AEX, CORDOBA 1.0 8V AFH, CORDOBA 1.0 8V AKK, CORDOBA 1.0 8V AKV, CORDOBA 1.0 8V ALD, CORDOBA 1.0 8V ALM, CORDOBA 1.0 8V ANV, CORDOBA 1.0 8V ANW, CORDOBA 1.0 8V ANX, CORDOBA 1.0 8V APE, CORDOBA 1.0 8V APQ, CORDOBA 1.0 8V AST, CORDOBA 1.0 8V AUA, CORDOBA 1.0 8V AUB, CORDOBA 1.0 8V AUC, CORDOBA 1.0 8V AUD, CORDOBA 1.0 8V AVZ, CORDOBA 1.0 8V ERA, CORDOBA 1.4 16V ABD, CORDOBA 1.4 16V ABU, CORDOBA 1.4 16V AEE, CORDOBA 1.4 16V AEX, CORDOBA 1.4 16V AFH CORDOBA 1.4 16V AKK, CORDOBA 1.4 16V AKV, CORDOBA 1.4 16V ALD, CORDOBA 1.4 16V ALM, CORDOBA 1.4 16V ANV, CORDOBA 1.4 16V ANW, CORDOBA 1.4 16V ANX, CORDOBA 1.4 16V APE, CORDOBA 1.4 16V APQ, CORDOBA 1.4 16V AST, CORDOBA 1.4 16V AUA, CORDOBA 1.4 16V AUB, CORDOBA 1.4 16V AUC, CORDOBA 1.4 16V AUD, CORDOBA 1.4 16V AVZ, CORDOBA 1.4 16V ERA, CORDOBA 1.4 8V ABD, CORDOBA 1.4 8V ABU, CORDOBA 1.4 8V AEE, CORDOBA 1.4 8V AEX, CORDOBA 1.4 8V AFH, CORDOBA 1.4 8V AKK, CORDOBA 1.4 8V AKV, CORDOBA 1.4 8V ALD, CORDOBA 1.4 8V ALM, CORDOBA 1.4 8V ANV, CORDOBA 1.4 8V ANW, CORDOBA 1.4 8V ANX, CORDOBA 1.4 8V APE, CORDOBA 1.4 8V APQ, CORDOBA 1.4 8V AST, CORDOBA 1.4 8V AUA, CORDOBA 1.4 8V AUB, CORDOBA 1.4 8V AUC, CORDOBA 1.4 8V AUD, CORDOBA 1.4 8V AVZ, CORDOBA 1.4 8V ERA, CORDOBA 1.6 ADY, CORDOBA 1.6 AEH, CORDOBA 1.6 AFN, CORDOBA 1.6 AHU, CORDOBA 1.6 AJH, CORDOBA 1.6 AKL, CORDOBA 1.6 APF, CORDOBA 1.6 AQX, CORDOBA 1.6 ATM, CORDOBA 1.6 AUR, CORDOBA 1.6 AYP, IBIZA 1.6 ADY, IBIZA 1.6 AEH, IBIZA 1.6 AJH, IBIZA 1.6 AKL, IBIZA 1.6 APF, IBIZA 1.6 ATM, IBIZA 1.6 AUR, IBIZA 1.8 20V TURBO ADY, IBIZA 1.8 20V TURBO AFN, IBIZA 1.8 20V TURBO AHU, IBIZA 1.8 20V TURBO AJH, IBIZA 1.8 20V TURBO AKL, IBIZA 1.8 20V TURBO AQX, IBIZA 1.8 20V TURBO AYP, INCA 1.6 EFI (MY4) 11/98 ATÉ 05/01, VARIO 1.6 ADY, VARIO 1.6 AEH, VARIO 1.6 AFN, VARIO 1.6 AHU, VARIO 1.6 AJH, VARIO 1.6 AKL, VARIO 1.6 APF, VARIO 1.6 AQX, VARIO 1.6 ATM, VARIO 1.6 AUR, VARIO 1.6 AYP **VOLKSWAGEN** BEETLE 2.0 AEG, BEETLE 2.0 AEH, BEETLE 2.0 AGN, BEETLE 2.0 AGU, BEETLE 2.0 AHW, BEETLE 2.0 AKL, BEETLE 2.0 AKQ, BEETLE 2.0 APF, BEETLE 2.0 APK, BEETLE 2.0 AQY, BEETLE 2.0 ARZ, BEETLE 2.0 ATM, BEETLE 2.0 ATN, BEETLE 2.0 AUM, BEETLE 2.0 AZJ, FOX 1.0 APÓS 2005, FOX 1.6 APÓS 2005, GOL 2.0, GOL CLI 1.6 (SEM AR), GOL CLI 1.8 (COM AR), GOLF G4 1.8 4 MOTION AEG, GOLF G4 1.8 4 MOTION AGN, GOLF G4 1.8 4 MOTION AGU, GOLF G4 1.8 4 MOTION APK, GOLF G4 1.8 4 MOTION AQY, GOLF G4 1.8 4 MOTION ARZ, GOLF G4 1.8 4 MOTION AUM, GOLF G4 1.8 AEG, GOLF G4 1.8 AGN, GOLF G4 1.8 AGU, GOLF G4 1.8 APK, GOLF G4 1.8 AQY, GOLF G4 1.8 ARZ, GOLF G4 1.8 AUM, GOLF G4 1.8 GTI TURBO AEG, GOLF G4 1.8 GTI TURBO AGN, GOLF G4 1.8 GTI TURBO AGU, GOLF G4 1.8 GTI TURBO APK, GOLF G4 1.8 GTI TURBO AQY, GOLF G4 1.8 GTI TURBO ARZ, GOLF G4 1.8 GTI TURBO AUM, GOLF G4 2.0I AEG, GOLF G4 2.0I AGN, GOLF G4 2.0I AGU, GOLF G4 2.0I APK, GOLF G4 2.0I AQY, GOLF G4 2.0I ARZ, GOLF G4 2.0I AUM, GOLF GTI 2.0, LOGUS 1.8, LOGUS 2.0, PARATI 2.0, POINTER, POLO 1.0 16V ARA APÓS 2002, POLO 1.0 16V BAH APÓS 2002, POLO 1.6 APÓS 05 ARA APÓS 2002, POLO 1.6 ARA APÓS 2002, POLO 1.6 BAH APÓS 2002, POLO 2.0 2002 BBX, POLO CLASSIC ATE 01/2000 (EQ. COMERCIAL), POLO CLASSIC ATE 01/2000 (EQ. PRIMÁRIO), POLO SEDAN 2.0 2002 BBX, POLO SEDAN ARA APÓS 2002, POLO SEDAN BAH APÓS 2002, SANTANA 2.0, VOYAGE 2.0 **VOLVO** S80 2.8 T6, S80 2.8 T6, S80 2.9 (B 6284 T, B 6304 S3)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3035-2X	14,06	9,95	9,90	BOSCH - WAPSA MAGNETI MARELLI VALEO	LADO COLETOR
SC3035-3X	14,06	9,82	9,90		
SC3035-STD	14,06	10,07	9,90		

APLICAÇÕES

OBSERVAÇÕES Substitui rolamento HK1010 **CHEVROLET - GM** ASTRA 1.8 OHC, CELTA 1.0 OHC, CELTA 1.4 OHC, CORSA 1.0 EFI OHC, CORSA 1.0 MPFI OHC, CORSA 1.0 MPFI VHC, CORSA 1.4 EFI OHC, CORSA 1.4 MPFI OHC, CORSA 1.6 EFI OHC, CORSA 1.6 MPFI OHC, CORSA 1.8 EFI OHC, CORSA 1.8 FLEXPOWER, CORSA 1.8 MPFI OHC, MERIVA 1.8 OHC, ÔMEGA, VECTRA **CITROËN** JUMPY 1.6, JUMPY 1.6I **FIAT** 500 (CINQUECENTO) 1.1 SPORTING, 600 (SEICENTO) 1.1, BRAVA 1.2 16V, BRAVA 1.4, BRAVA 1.4 12V, BRAVA 1.6 16V EL, BRAVA 1.6 16VSX, BRAVO 1.2 16V, BRAVO 1.6, BRAVO 1.6 SX, DOBLÒ 1.2 I.E. EV, FIORINO 1.6, MAREA 1.2 16V, MAREA 1.4 I 16V, MAREA 1.6, MAREA 1.6 116V, MAREA 1.6 16V BIPOWER, MAREA 1.6 SX, PALIO 1.0, PALIO 1.1, PALIO 1.2, PALIO 1.4, PALIO 1.4 EL PALIO 1.6 16V, PALIO 1.8 OHC, PUNTO 1.1, PUNTO 1.1 I.E., PUNTO 1.2, PUNTO 1.2 16V, PUNTO 1.2 NATURAL POWER, PUNTO 1.4 TURBO GT, SCUDO 1.6, SIENA 1.2, SIENA 1.6 16V, STILO 1.8 OHC, STRADA 1.2, STRADA 1.3 DIESEL MULTIJET, TEMPRA 1.4 I.E., TEMPRA 1.6, TEMPRA 1.6 I.E., TIPO 1.4 I.E., TIPO 1.4 SELECTA, TIPO 1.6 DIGIT, TIPO 1.6 I.E., UNO 1.0, UNO 1.4 I.E., UNO 1.4 I.E. TURBO **FORD** ESCORT **NISSAN** MARCH 1.0 (2012>), VERSA **PEUGEOT** CARROS DIVERSOS **RENAULT** CLIO 1.0 (1999 - 2016), LOGAN 1.0 (2007 - 2018), SANDERO 1.0 (2007 - 2018) **VOLKSWAGEN** GOL BOLINHA, GOL MI

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3348-STD	22,11	18,09	8,00	BOSCH - WAPSA	

APLICAÇÕES

FORD CARGO ELÉTRICO COM MOTOR CUMMINS 2010>

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3450-STD	16,04	12,04	13,00	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS VALEO **HYUNDAI** HB20 **KIA** PICANTO 1.0 16V (3 CILINDROS)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3460-STD	12,01	8,01	8,00	BOSCH - WAPSA MITSUBISHI	LADO COLETOR

APLICAÇÕES

VOLKSWAGEN CROSSFOX TOTAL FLEX 10 2003 A 2014, FOX, FOX 1.0 TOTAL FLEX 10 2003 A 2014, GOL G5, GOL G5 1.0 TOTAL FLEX 2008 EM DIANTE, GOL G5 1.6 TOTAL FLEX 2008 EM DIANTE, GOL G6 1.0 TOTAL FLEX 2008 EM DIANTE, GOL G6 1.6 TOTAL FLEX 2008 EM DIANTE, GOLF, GOLF 4 1.6 TOTAL FLEX 2001 A 2013, KOMBI 1.4, POLO 1.6 HATCH TOTAL FLEX 2002 A 2011, POLO 1.6 SEDAN TOTAL FLEX 2002 A 2011, SAVEIRO G5, SAVEIRO G5 1.6 TOTAL FLEX 2009 ACIMA, SPACE CROSS 1.6 TOTAL FLEX 10 2003 A 2014, SPACEFOX TOTAL FLEX 10 2003 A 2014, TOTAL FLEX 2002 A 2011, VOYAGE 1.0 TOTAL FLEX 2008 EM DIANTE, VOYAGE 1.6 TOTAL FLEX 2008 EM DIANTE, VOYAGE G5

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3469-STD	16,01	12,02	6,00	BOSCH - WAPSA	

APLICAÇÕES

DIVERSAS SEAT, SKODA **FIAT** ARGO, MOBI 1.0(3CL), TORO, UNO **JEEP** RENEGADE FLEX 1.8 **VOLKSWAGEN** FOX 1.0 BLUEMOTION 04.2013 - 08.2014, UP 1.0 FLEX 02.2014

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3497-STD	16,52	12,52	6,00	BOSCH - WAPSA	

APLICAÇÕES

FIAT BRAVA, DOBLO, IDEA MOTOR E. TORQ, LINEA, PALIO MOTOR E. TORQ, PUNTO, STRADA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3503-STD	8,02	5,02	8,00	BOSCH - WAPSA VALEO	

APLICAÇÕES

AUDI A31.9TDI(2008->) **FIAT** BRAVO, DOBLÒ1.8, GRANDSIENA1.6, IDEA1.4, IDEA1.6, IDEA1.8, LINEA, PALIO1.6, PALIO1.8, PUNTO1.4, PUNTO1.6, PUNTO1.8, SIENA1.6, STRADA1.6, STRADA1.8, WEEKEND1.6 **MBB** 2001.8CGI(2002->), C1601.8KOMPRESSOR(2005->), C1801.6KOMPRESSOR(2008->), C1801.8CGI(2007->), C1801.8KOMPRESSOR(2002-2007), C2001.8CGI(2007->), C2001.8CGIKOMPRESSOR(2002->), C2001.8KOMPRESSOR(2002-2007), C2201.8(2002->), C2301.8KOMPRESSOR(2004->), C2501.8CGI(2009->), CLC1601.6(2009->), CLC1801.8KOMPRESSOR(2008->), CLK2001.8KOMPRESSOR(2006-2008), CLK2002.0CGIKOMPRESSOR(2003->), E2001.8CGI(2002-2009), E2001.8KOMPRESSOR(2002-2006), E2001.8NGT(2002->), E2501.8CGI(2009->), SLK2001.8KOMPRESSOR(2004->) **TOYOTA** COROLLA1.8, COROLLA2.0

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3508-STD	35,26	28,56	16,00	BOSCH - WAPSA	

APLICAÇÕES

OBSERVAÇÕES Substitui rolamento HK28,2x35,2x14,8 3rs **FIAT** ADVENTURE 1.6 16V FLEX 2010 ATÉ 2014, ADVENTURE 1.8 16V FLEX 2010 ATÉ 2014, BRAVO 1.8 16V 2010 ATÉ 2014, DOBLO 1.8 MPI 16V FLEX 2010 ATÉ 2014, DOBLO ADVENTURE LOCKER 1.8 MPI 16V FLEX, GRAND SIENA 1.6 FLEX/DUALOGIC 2012 ATÉ 2014, IDEA 1.6 16V FLEX 2010 ATÉ 2014, IDEA 1.8 16V FLEX 2010 ATÉ 2014, PALIO 1.6 MPI 16V FLEX 2010 ATÉ 2011, PALIO ADVENTURE 1.8 16V FLEX 2010 ATÉ 2014, PALIO IV 1.6 16V FLEX/DUALOGIC 2011 ATÉ 2014, PALIO WEEKEND 1.6 FLEX 2010 ATÉ 2014, PUNTO 1.6 16V FLEX 2010 ATÉ 2014, PUNTO 1.8 16V FLEX 2010 ATÉ 2014, SIENA 1.6 MPI 16V FLEX 2010 ATÉ 2012, STRADA 1.6 FLEX 2012 ATÉ 2014, STRADA 1.8 MPI 16V FLEX 2010 ATÉ 2012, STRADA ADVENTURE 1.8 FLEX 2012 ATÉ 2014, STRADA ADVENTURE LOCKER 1.8 MPI 16V FLEX TODOS MOTOR E.TORQ MODELO PARTIDA RF70 12V 10 DENTES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC471-STD	22,27	18,97	14,50	BOSCH - WAPSA	INTERMEDIÁRIA

APLICAÇÕES

CASE PÁ CARREGADEIRA W7 **CLARK** PÁ CARREGADEIRA **EATON** EMPILHADEIRAS, PÁ CARREGADEIRA **FORD** CARGO 1418 **HYSTER** PÁ CARREGADEIRA **WAPSA** PÁ CARREGADEIRA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC009-2X	15,95	14,18	18,85	DELCO-REMY	LADO COLETOR
SC009-3X	15,95	14,05	18,85		
SC009-STD	15,95	14,30	18,85		

APLICAÇÕES

CHEVROLET-GM OPALA 6CIL. APÓS 01/81, OPALA 6CIL. ATÉ 12/80

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC013-2X	13,21	11,84	17,85	DELCO-REMY	LADO MOTRIZ / INTERMEDIÁRIA
SC013-3X	13,21	11,71	17,85	FORD / MOTORCRAFT	
SC013-STD	13,21	11,96	17,85		

APLICAÇÕES

CHEVROLET - GM A10, C10, C14, C15 **CHEVROLET-GM** OPALA 4CIL. APÓS 12/80, OPALA 6CIL. ATÉ 12/80 **FORD** ESCORT 1.8 16V COM MOTOR ZETEC, FIESTA COM MOTOR 1.3 ENDURA A GASOLINA, KA COM MOTOR 1.3 ENDURA A GASOLINA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC096-2X	13,21	11,84	13,10	DELCO-REMY	LADO MOTRIZ
SC096-3X	13,21	11,70	13,10		
SC096-STD	13,21	11,96	13,10		

APLICAÇÕES

CHEVROLET-GM C10, CAMARO, CARAVAN APÓS 82, LUMINA, OPALA 6CIL

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1052-2X	24,32	21,09	25,00	DELCO-REMY	
SC1052-STD	24,32	21,22	25,00		

APLICAÇÕES

DIVERSAS VOLKSWAGEN **FORD** MOTOR CUMMINS SÉRIE C-6LTS-12V, MOTOR CUMMINS SÉRIE C-6LTS-24V **MERCEDES BENZ** SÉRIE BR-400-12, SÉRIE BR-400-24V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1060-2X	25,73	22,48	24,95	DELCO-REMY	INTERMEDIÁRIA
SC1060-STD	25,75	22,64	25,00		

APLICAÇÕES

CATERPILLAR 3114, 3116, 3176, 3304, 3306 **CHEVROLET-GM** CAMINHÃO 14190 COM MOTOR CATERPILLAR 3116/3126, CAMINHÃO 15190 COM MOTOR CATERPILLAR 3116/3126, CAMINHÃO 16220 COM MOTOR CATERPILLAR 3116/3126 **FORD** CAMINHÕES COM CUMMINS SÉRIE C 6I 12 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES COM CUMMINS SÉRIE C 6I 24V COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 1622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 1630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2422 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2626 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2631 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 3222 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 4030 COM MOTOR CUMMINS 6CTAA 8.3 LITROS **MERCEDES BENZ** CAMINHÃO COM MOTOR SÉRIE BR-400 12, CAMINHÃO COM MOTOR SÉRIE BR-400 24V, CAMINHÃO L1628, CAMINHÃO L1632, CAMINHÃO L1938, CAMINHÃO L1944, CAMINHÃO L2638, CAMINHÃO LS1632, CAMINHÃO LS1634, CAMINHÃO LS1938, CAMINHÃO OF1722, CAMINHÃO OH1628, CAMINHÃO S1938, PLATAFORMA O400 RSD APÓS 06/02, PLATAFORMA O400 SRE APÓS 06/02 **VOLKSWAGEN** CAMINHÃO 17.310 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 18.310 TITAN TRACTOR., CAMINHÃO 23.210 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 23.220 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 23.310 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 26.220 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 26.260 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO 26.310 COM MOTOR CUMMINS 6CTAA8.3 LITROS, CAMINHÃO COM MOTOR CUMMINS C-6L 12V, CAMINHÃO COM MOTOR CUMMINS C-6L 24V.

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1187-STD	22,38	17,25	30,00	DELCO-REMY	LADO COLETOR

APLICAÇÕES

CATERPILLAR CAMINHÃODEMINERAÇÃO768B, CAMINHÃODEMINERAÇÃO768C, CAMINHÃODEMINERAÇÃO769B, CAMINHÃODEMINERAÇÃO769C, CAMINHÃODEMINERAÇÃO772, CAMINHÃODEMINERAÇÃO772B, CAMINHÃODEMINERAÇÃO773, CAMINHÃODEMINERAÇÃO773B **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380-2III, 380C-480, 380III, 380IIIA, 410, 475B, 475III, 675 675B **COMPACTADORDEATERRO** 825C, 826C **CUMMINS** SÉRIEK **ESCAVADEIRA** 245, 346 **INGERSOLLRAND** DL1200 **MOTORMARÍTIMO** 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 621B 621E, 623E, 631D, 631E, 633D, 637E, 639D, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C, 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08, D343 **PÁCARREGADEIRA** 983B, 988, 988B, 992, 992B, 992C **RASPADOR(SCRAPER)** 631D, 633D, 641B, 651B, 657B, 660B, 666B **TRATOR** 824C, 834B, D8

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1188-2X	24,47	20,88	33,00	DELCO-REMY	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

CATERPILLAR CAMINHÃODEMINERAÇÃO768B, CAMINHÃODEMINERAÇÃO768C, CAMINHÃODEMINERAÇÃO769B, CAMINHÃODEMINERAÇÃO769C, CAMINHÃODEMINERAÇÃO772, CAMINHÃODEMINERAÇÃO772B, CAMINHÃODEMINERAÇÃO773, CAMINHÃODEMINERAÇÃO773B **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380-2III, 380C-480, 380III, 380IIIA, 410, 475B, 475III, 675 675B **COMPACTADORDEATERRO** 825C, 826C **CUMMINS** SÉRIEK **ESCAVADEIRA** 245, 346 **INGERSOLLRAND** DL1200 **MOTORMARÍTIMO** 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 621B 621E, 623E, 631D, 631E, 633D, 637E, 639D, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C, 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08, D343 **PÁCARREGADEIRA** 983B, 988, 988B, 992, 992B, 992C **RASPADOR(SCRAPER)** 631D, 633D, 641B, 651B, 657B, 660B, 666B **TRATOR** 824C, 834B, D8

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1199-STD	16,00	12,00	9,50	DELCO-REMY	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, MERIVA, MONTANA, NOVO CORSA, S-10, VECTRA, ZAFIRA **FIAT** DOBLO, PALIO, SIENA, STILO, STRADA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1811-STD	24,46	21,35	22,45	DELCO-REMY	INTERMEDIÁRIA

APLICAÇÕES

FORD CAMINHÃO COM MOTOR CUMMINS SÉRIE C - 6I 12V, CAMINHÃO COM MOTOR CUMMINS SÉRIE C - 6I 24V **MERCEDES BENZ** CAMINHÃO COM MOTOR SÉRIE BR-400 12, CAMINHÃO COM MOTOR SÉRIE BR-400 24V **VOLKSWAGEN** CAMINHÃO COM MOTOR CUMMINS SÉRIE C - 6I 12V, CAMINHÃO COM MOTOR CUMMINS SÉRIE C - 6I 24V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1824-STD	28,07	22,11	8,90	DELCO-REMY	INTERMEDIÁRIA

APLICAÇÕES

CHEVROLET-GM BLAZER COM MOTORES DA FAMÍLIA 1 E 2 V6, S-10 COM MOTORES DA FAMÍLIA 1 E 2 V6 **FIAT** COM MOTORES SOHC 1.8 16V, COM MOTORES SOHC 1.8 8V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1904-STD	12,03	7,04	12,65	DELCO-REMY	LADO COLETOR / INTERMEDIÁRIA

APLICAÇÕES

CHEVROLET-GM BLAZER 1.8 LTR 16V, BLAZER 1.8 LTR 8V, BLAZER 2.0 LTR 16V, BLAZER 2.0 LTR 8V, BLAZER 2.2 LTR 16V, BLAZER 2.2 LTR 8V, BLAZER 2.4 LTR 8V, CORSA, MERIVA 1.8 LTR 16V, MERIVA 1.8 LTR 8V, S10, VECTRA, ZAFIRA **FIAT** STILO SOHC 1.8 LTR 16V FORD: ESCORT, STILO SOHC 1.8 LTR 8V **FORD** FIESTA, KA CHEVROLET-GM: ASTRA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2076-STD	10,04	6,04	9,94	DELCO-REMY	

APLICAÇÕES

DIVERSAS ENGRENAGEM PLANETÁRIA HYUNDAI HR, ENGRENAGEM PLANETÁRIA KIA BONGO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2139-STD	11,98	8,10	10,40	DELCO-REMY	INTERMEDIÁRIA / PLANETÁRIA

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, CORSA, MERIVA, S10, VECTRA, ZAFIRA **FIAT** PALIO, SIENA, STILO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2145-STD	12,02	7,05	7,00	DELCO-REMY FORD / MOTORCRAFT PRESTOLITE - LUCAS INDIEL	INTERMEDIÁRIA

APLICAÇÕES

DIVERSAS PALIO 1.5 **FIAT** PALIO 1.0 TURBO, PALIO 1.6 **FORD** ESCORT, ESCORT 1.8 16V COM MOTOR ZETEC, ESCORT ZETEC, F-250, FIESTA, FIESTA COM MOTOR 1.3 ENDURA A GASOLINA, FIESTA TURBO 1.0, FIESTA TURBO 1.4, FOCUS, KA, KA COM MOTOR 1.3 ENDURA A GASOLINA, MONDEO, ORION COM MOTOR AUDI 2.0, RANGER, SPRINTER, VERONA COM MOTOR AUDI 2.0, VERONA COM ZETEC **MERCEDES BENZ** SPRINTER

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2197-STD	26,92	22,27	5,50	DELCO-REMY	LADO COLETOR

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, CORSA, MERIVA, S10, VECTRA, ZAFIRA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2198-STD	8,81	6,04	11,60	DELCO-REMY	LADO COLETOR / INTERMEDIÁRIA

APLICAÇÕES

CHEVROLET-GM ASTRA, BLAZER, CORSA, MERIVA, S10, VECTRA, ZAFIRA **FIAT** STILO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2243-STD	17,00	12,00	15,00	DELCO-REMY	LADO MOTRIZ

APLICAÇÕES

CHEVROLET ADVANTAGE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ADVANTAGEFLEXPOWER2.0L8VSOHCL4(2004A2009), ASTRA, ASTRA ADVANTAGE 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA CONFORT FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELEGANCE 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELEGANCE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA ELITE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA FLEXPOWER SUPER SPORT 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA GL 2.0 L 8V SOHC L4 (1994 A 2009), ASTRA GL MPFI 1.8 L 8V SOHC L4 (1998 A 2004), ASTRA GL MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA GL MPFI 8V 1.8 L 8V SOHC L4 (1998 A 2001), ASTRA GLS 2.0 L 8V SOHC L4 (2004 A 2009), ASTRA GLS MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA SPORT MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA ÚNICA 2.0 L 8V SOHC L4 (1998 A 2004), ASTRA ÚNICA MPFI 2.0 L 8V SOHC L4 (1998 A 2004), ASTRAADVANTAGE2.0L8VSOHCL4(2004A2009), ASTRACONFORTFLEXPOWER2.0L8VSOHCL4(2004A2009), ASTRAELEGANCE2.0L8VSOHCL4(2004A2009), ASTRAELEGANCEFLEXPOWER2.0L8VSOHCL4(2004A2009), ASTRAELITEFLEXPOWER2.0L8VSOHCL4(2004A2009), ASTRAFLEXPOWER2.0L8VSOHCL4(2004A2009), ASTRAFLEXPOWERSUPERSPORT2.0L8VSOHCL4(2004A2009), ASTRAGL2.0L8VSOHCL4(1994A2009), ASTRAGLMPFI1.8L8VSOHCL4(1998A2004), ASTRAGLMPFI2.0L8VSOHCL4(1998A2004), ASTRAGLMPFI8V1.8L8VSOHCL4(1998A2001), ASTRAGLS2.0L8VSOHCL4(2004A2009), ASTRAGLSMPFI2.0L8VSOHCL4(1998A2004), ASTRASPORTMPFI2.0L8VSOHCL4(1998A2004), ASTRAÚNICA2.0L8VSOHCL4(1998A2004), ASTRAÚNICAMPFI2.0L8VSOHCL4(1998A2004), BLAZER DLX EFI 2.2 L 8V SOHC L4 (1995 A 1998), BLAZER STD EFI 2.2 L 8V SOHC L4 (1995 A 1998), BLAZER STD MPFI 2.2 L 8V SOHC L4 (1997 A 2000), BLAZERDLXEFI2.2L8VSOHCL4(1995A1998), BLAZERSTDEFI2.2L8VSOHCL4(1995A1998), BLAZERSTDMPFI2.2L8VSOHCL4(1997A2000), IPANEMA GL EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/AMB MPFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/FLA EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/SLE/WAVE EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA GL/SOL/WIND EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA SL EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA SL/SOL 1.8 L 8V SOHC L4 (1989 A 1991), IPANEMA SLE/GL EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS 1.8 L 8V SOHC L4 (1989 A 1991), IPANEMA SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1997), IPANEMA SLE/GLS/EFI 1.8 L 8V SOHC L4 (1991 A 1997), IPANEMAGL/AMBMPFI2.0L8VSOHCL4(1991A1997), IPANEMAGL/FLAEFI2.0L8VSOHCL4(1991A1997), IPANEMAGL/SLE/WAVEEFI1.8L8VSOHCL4(1991A1997), IPANEMAGL/SOL/WINDEFI1.8L8VSOHCL4(1991A1997), IPANEMAGLEFI2.0L8VSOHCL4(1991A1997), IPANEMASL/SOL1.8L8VSOHCL4(1989A1991), IPANEMASLE/GLEFI2.0L8VSOHCL4(1991A1997), IPANEMASLE/GLS/EFI1.8L8VSOHCL4(1991A1997), IPANEMASLE/GLS1.8L8VSOHCL4(1989A1991), IPANEMASLE/GLSEFI1.8L8VSOHCL4(1991A1997), IPANEMASLE/GLSEFI2.0L8VSOHCL4(1991A1997), IPANEMASLEFI1.8L8VSOHCL4(1991A1997), KADETT GL/GLS/SPO MPFI 2.0 L 8V SOHC L4 (1996 A 1998), KADETT GL/GLS/SPOR EFI 2.0 L 8V SOHC L4 (1991 A 1997), KADETT GS 2.0 L 8V SOHC L4 (1989 A 1991), KADETT GSI MPFI 2.0 L 8V SOHC L4 (1991 A 1995), KADETT MPFI CONV. GSI 2.0 L 8V SOHC L4 (1991 A 1995), KADETT SL/GL 1.8 L 8V SOHC L4 (1989 A 1991), KADETT SL/GL/LITE EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETT SLE/GLS - EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETT SLE/GLS 1.8 L 8V SOHC L4 (1989 A 1991), KADETT SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1997), KADETTGL/GLS/SPOMPFI2.0L8VSOHCL4(1996A1998), KADETTGL/GLS/SPOREFI2.0L8VSOHCL4(1991A1997), KADETTGS2.0L8VSOHCL4(1989A1991), KADETTGSIMPFI2.0L8VSOHCL4(1991A1995), KADETTMPFICONV.GSI2.0L8VSOHCL4(1991A1995), KADETTSL/GL/LITEEFI1.8L8VSOHCL4(1991A1997), KADETTSL/GL1.8L8VSOHCL4(1989A1991), KADETTSLE/GLS1.8L8VSOHCL4(1989A1991), KADETTSLE/GLSEFI1.8L8VSOHCL4(1991A1997), KADETTSLE/GLS-EFI1.8L8VSOHCL4(1991A1997), MERIVA EXPRESSION 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA JOY FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA MAXX FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA PREMIUM 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA PREMIUM FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2012), MERIVA SUPER SPORT 1.8 L 8V SOHC L4 (2005 A 2012), MERIVA ÚNICA 1.8 L 8V SOHC L4 (2002 A 2003), MERIVAEXPRESSION1.8L8VSOHCL4(2005A2012), MERIVAFLEXPOWER1.8L8VSOHCL4(2003A2012), MERIVAJOYFLEXPOWER1.8L8VSOHCL4(2003A2012), MERIVAMAXXFLEXPOWER1.8L8VSOHCL4(2003A2012), MERIVAPREMIUM1.8L8VSOHCL4(2005A2012), MERIVAPREMIUMFLEXPOWER1.8L8VSOHCL4(2003A2012), MERIVASUPERSPORT1.8L8VSOHCL4(2005A2012), MERIVAÚNICA1.8L8VSOHCL4(2002A2003), MONTANA CONQUEST 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA CONQUEST MPFI 1.8 L 8V SOHC L4 (2003 A 2005), MONTANA FLEXPOWER 1.8 L 8V SOHC L4 (2003 A 2007), MONTANA MÉXICO 4X2 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA OFF-ROAD 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA SPORT 1.8 L 8V SOHC L4 (2005 A 2007), MONTANA SPORT MPFI 1.8 L 8V SOHC L4 (2003 A 2005), MONTANACONQUEST1.8L8VSOHCL4(2005A2007), MONTANACONQUESTMPFI1.8L8VSOHCL4(2003A2005), MONTANAFLEXPOWER1.8L8VSOHCL4(2003A2007), MONTANAMÉXICO4X21.8L8VSOHCL4(2005A2007), MONTANAOFF-ROAD1.8L8VSOHCL4(2005A2007), MONTANASPORT1.8L8VSOHCL4(2005A2007), MONTANASPORTMPFI1.8L8VSOHCL4(2003A2005), MONZA CLASSIC 1.8 L 8V SOHC L4 (1984 A 1991), MONZA CLASSIC EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA CLASSIC EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA CLASSIC SE 1.8 L 8V SOHC L4 (1984 A 1991), MONZA CLASSIC SE 2.0 L 8V SOHC L4 (1986 A 1991), MONZA CLASSIC SE EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA CLASSIC SE EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA CLASSIC SE MPFI 2.0 L 8V SOHC L4 (1989 A 1993), MONZA L/SL/GL/CLUB/BA 1.8 L 8V SOHC L4 (1984 A 1991), MONZA L/SL/GL/CLUB/BA 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL HACTH 1.8 L 8V SOHC L4 (1982 A 1986), MONZA SL/E/GLS 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL/E/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/E/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/BA/CLU EF 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/GL/BA/CLU EF 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/BAS/CLUB/ 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SL/GL/CLU/BA EF 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SL/GL/CLU/BA EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA SL/GL/CLUB/GTD/ 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SL/SLE/GLS 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SL/ST HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SL/ST/SR/L HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SLE HATCH 1.8 L 8V SOHC L4 (1984 A 1988), MONZA SLE HATCH 2.0 L 8V SOHC L4 (1987 A 1988), MONZA SLE/GLS 1.8 L 8V SOHC L4 (1984 A 1991), MONZA SLE/GLS 2.0 L 8V SOHC L4 (1986 A 1991), MONZA SLE/GLS EFI 1.8 L 8V SOHC L4 (1991 A 1995), MONZA SLE/GLS EFI 2.0 L 8V SOHC L4 (1991 A 1996), MONZA STD 1.8 L 8V SOHC L4 (1984 A 1991), MONZACLASSIC1.8L8VSOHCL4(1984A1991), MONZACLASSICEFI1.8L8VSOHCL4(1991A1995), MONZACLASSICEFI2.0L8VSOHCL4(1991A1996), MONZACLASSICSE1.8L8VSOHCL4(1984A1991), MONZACLASSICSE2.0L8VSOHCL4(1986A1991), MONZACLASSICSEEFI1.8L8VSOHCL4(1991A1995), MONZACLASSICSEEFI2.0L8VSOHCL4(1991A1996), MONZACLASSICSEMPFI2.0L8VSOHCL4(1989A1993), MONZAL/SL/GL/CLUB/BA1.8L8VSOHCL4(1984A1991), MONZAL/SL/GL/CLUB/BA2.0L8VSOHCL4(1986A1991), MONZASL/E/GLS2.0L8VSOHCL4(1986A1991), MONZASL/E/GLSEFI1.8L8VSOHCL4(1991A1995), MONZASL/E/GLSEFI2.0L8VSOHCL4(1991A1996), MONZASL/GL/BA/CLUEF1.8L8VSOHCL4(1991A1995), MONZASL/GL/BA/CLUEF2.0L8VSOHCL4(1991A1996), MONZASL/GL/BAS/CLUB/1.8L8VSOHCL4(1984A1991), MONZASL/GL/CLU/BAEF1.8L8VSOHCL4(1991A1995), MONZASL/GL/CLU/BAEFI2.0L8VSOHCL4(1991A1996), MONZASL/GL/CLUB/GTD/2.0L8VSOHCL4(1986A1991), MONZASL/SLE/GLS1.8L8VSOHCL4(1984A1991), MONZASL/ST/SR/LHATCH1.8L8VSOHCL4(1984A1988), MONZASL/STHATCH1.8L8VSOHCL4(1984A1988), MONZASLE/GLS1.8L8VSOHCL4(1984A1991), MONZASLE/GLS2.0L8VSOHCL4(1986A1991), MONZASLE/GLSEFI1.8L8VSOHCL4(1991A1995), MONZASLE/GLSEFI2.0L8VSOHCL4(1991A1996), MONZASLEHATCH1.8L8VSOHCL4(1984A1988), MONZASLEHATCH2.0L8VSOHCL4(1987A1988), MONZASLHACTH1.8L8VSOHCL4(1982A1986), MONZASTD1.8L8VSOHCL4(1984A1991)S10DLXMPFI2.2L8VSOHCL4(1997A2000), S10 DLX MPFI 2.2 L 8V SOHC L4 (1997 A 2000), S10 EFI/ME EFI LUXE 2.2 L 8V SOHC L4 (1995 A 1998), S10 EFI/ME STD 2.2 L 8V SOHC L4 (1995 A 1998), S10 STD MPFI 2.2 L 8V SOHC L4 (1997 A 2000), S10EFI/MEEFILUXE2.2L8VSOHCL4(1995A1998), S10EFI/MESTD2.2L8VSOHCL4(1995A1998), S10STDMPFI2.2L8VSOHCL4(1997A2000), VECTRA CD 2.0 L 8V SOHC L4 (1993 A 1996), VECTRA COLLECTION 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA CONFORT 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA ELEGANCE 2.0 L 8V SOHC L4 (2003 A 2005), VECTRA ELEGANCE NLEV 2.0 L 8V SOHC L4 (2005 A 2011), VECTRA ELEGANCE TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA ELITE 2.0 L 8V SOHC L4 (2003 A 2011), VECTRA ELITE 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA ELITE TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA EXPRESSION 2.0 L 8V SOHC L4 (2005 A 2011), VECTRA EXPRESSION TAXI 2.0 L 8V SOHC L4 (2009 A 2011), VECTRA GL 2.0 L 8V SOHC L4 (1996 A 2005), VECTRA GL 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA GLS 2.0 L 8V SOHC L4 (1993 A 1996), VECTRA GLS 2.2 L 8V SOHC L4 (1998 A 2002), VECTRA GT 2.0 L 8V SOHC L4 (2007 A 2009), VECTRA GT-X 2.0 L 8V SOHC L4 (2009 A 2011), VECTRACD2.0L8VSOHCL4(1993A1996), VECTRACOLLECTION2.0L8VSOHCL4(2003A2005), VECTRACONFORT2.0L8VSOHCL4(2003A2005), VECTRAELEGANCE2.0L8VSOHCL4(2003A2005), VECTRAELEGANCENLEV2.0L8VSOHCL4(2005A2011), VECTRAELEGANCETAXI2.0L8VSOHCL4(2009A2011), VECTRAELITE2.0L8VSOHCL4(2003A2011), VECTRAELITE2.2L8VSOHCL4(1998A2002), VECTRAELITETAXI2.0L8VSOHCL4(2009A2011), VECTRAEXPRESSION2.0L8VSOHCL4(2005A2011), VECTRAEXPRESSIONTAXI2.0L8VSOHCL4(2009A2011), VECTRAGL2.0L8VSOHCL4(1996A2005), VECTRAGL2.2L8VSOHCL4(1998A2002), VECTRAGLS2.0L8VSOHCL4(1993A1996), VECTRAGLS2.2L8VSOHCL4(1998A2002), VECTRAGT2.0L8VSOHCL4(2007A2009), VECTRAGT-X2.0L8VSOHCL4(2009A2011), ZAFIRA CONFORT FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA CONFORT FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELEGANCE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELEGANCE FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELITE FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA ELITE FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA EXPRESSION FLEXPOWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA EXPRESSION FLEXPOWER TAXI 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA FLEX POWER 2.0 L 8V SOHC L4 (2004 A 2012), ZAFIRA MPFI 8V 2.0 L 8V SOHC L4 (2001 A 2004), ZAFIRACONFORTFLEXPOWER2.0L8VSOHCL4(2004A2012), ZAFIRACONFORTFLEXPOWERTAXI2.0L8VSOHCL4(2004A2012), ZAFIRAELEGANCEFLEXPOWER2.0L8VSOHCL4(2004A2012), ZAFIRAELEGANCEFLEXPOWERTAXI2.0L8VSOHCL4(2004A2012), ZAFIRAELITEFLEXPOWER2.0L8VSOHCL4(2004A2012), ZAFIRAELITEFLEXPOWERTAXI2.0L8VSOHCL4(2004A2012), ZAFIRAEXPRESSIONFLEXPOWER2.0L8VSOHCL4(2004A2012), ZAFIRAEXPRESSIONFLEXPOWERTAXI2.0L8VSOHCL4(2004A2012), ZAFIRAFLEXPOWER2.0L8VSOHCL4(2004A2012), ZAFIRAMPFI8V2.0L8VSOHCL4(2001A2004)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2300-STD	18,02	12,04	16,00	DELCO-REMY	

APLICAÇÕES

CHEVROLET-GM ASTRA 1.8L ATÉ 2003, ASTRA 2.0L 8V ÁLCOOL, ASTRA 2.0L 8V FLEX, ASTRA 2.0L 8V GASOLINA, ASTRA 2.2L 8V ÁLCOOL, ASTRA 2.2L 8V FLEX, ASTRA 2.2L 8V GASOLINA, ASTRA 2.4L 8V ÁLCOOL, ASTRA 2.4L 8V FLEX, ASTRA 2.4L 8V GASOLINA, MONZA 2.0L 8V ÁLCOOL, MONZA 2.0L 8V FLEX, MONZA 2.0L 8V GASOLINA, MONZA 2.2L 8V ÁLCOOL, MONZA 2.2L 8V FLEX, MONZA 2.2L 8V GASOLINA, MONZA 2.4L 8V ÁLCOOL, MONZA 2.4L 8V FLEX, MONZA 2.4L 8V GASOLINA, S-10 2.0L 8V ÁLCOOL, S-10 2.0L 8V FLEX, S-10 2.0L 8V GASOLINA, S-10 2.2L 8V ÁLCOOL, S-10 2.2L 8V FLEX, S-10 2.2L 8V GASOLINA, S-10 2.4L 8V ÁLCOOL, S-10 2.4L 8V FLEX, S-10 2.4L 8V GASOLINA, VECTRA 2.0L 8V ÁLCOOL, VECTRA 2.0L 8V FLEX, VECTRA 2.0L 8V GASOLINA, VECTRA 2.2L 8V ÁLCOOL, VECTRA 2.2L 8V FLEX, VECTRA 2.2L 8V GASOLINA, VECTRA 2.4L 8V ÁLCOOL, VECTRA 2.4L 8V FLEX, VECTRA 2.4L 8V GASOLINA, VECTRA GT 2.0L 8V ÁLCOOL, VECTRA GT 2.0L 8V FLEX, VECTRA GT 2.0L 8V GASOLINA, VECTRA GT 2.2L 8V ÁLCOOL, VECTRA GT 2.2L 8V FLEX, VECTRA GT 2.2L 8V GASOLINA, VECTRA GT 2.4L 8V ÁLCOOL, VECTRA GT 2.4L 8V FLEX, VECTRA GT 2.4L 8V GASOLINA, ZAFIRA 2.0L 8V ÁLCOOL, ZAFIRA 2.0L 8V FLEX, ZAFIRA 2.0L 8V GASOLINA, ZAFIRA 2.2L 8V ÁLCOOL, ZAFIRA 2.2L 8V FLEX, ZAFIRA 2.2L 8V GASOLINA, ZAFIRA 2.4L 8V ÁLCOOL, ZAFIRA 2.4L 8V FLEX, ZAFIRA 2.4L 8V GASOLINA **DAEWOO** ESPERO 2.0L **DIVERSAS** BOSCH **FORD** F-250 SPRINT 6CC

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3012-2X	13,45	11,54	27,00	DELCO-REMY	LADO MOTRIZ / INTERMEDIÁRIA
SC3012-STD	13,54	11,66	27,00		

APLICAÇÕES

FIAT ELBA 1.5, ELBA 1.6, FIORINO, FIORINO 1.5, FIORINO 1.6, PRÊMIO 1.5, PRÊMIO 1.6, SPAZIO, TIPO 1.6, TIPO 1.6 MPI, TIPO 1.6 SPI, TIPO 2.0, UNO, UNO 1.5, UNO 1.6, UNO 1.6 MPI, UNO 1.6 SPI
PEUGEOT 504 COM CAIXA BA7 2.0, 504 COM CAIXA C3B

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3033-2X	17,05	13,95	15,95	DELCO-REMY	LADO MOTRIZ
SC3033-STD	17,05	14,07	15,95		

APLICAÇÕES

KOMATSU RETRO ESCAVADEIRA PC200 COM MOTOR CUMMINS 4BT3.9, RETRO ESCAVADEIRA PC200 COM MOTOR CUMMINS 6B5.9, RETRO ESCAVADEIRA PC200 COM MOTOR CUMMINS 6BT5.9, RETRO ESCAVADEIRA PC200 COM MOTOR CUMMINS 6BTAA **SUZUKI** SUZUKI COM MOTOR DE ARRANQUE DELCO 28MT

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3538-STD	19,17	16,00	22,35	DELCO-REMY	LADO MOTRIZ

APLICAÇÕES

OBSERVAÇÕES Para induzido curto **CATERPILLAR** 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 4D343, 621B, 621E, 623E, 631D, 631E, 633D, 637E, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C, 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08 **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380 CLARK: 380III, 380-2III, 380C-480, 380IIIA 410, 475B, 475B CLARK: 675, 475III, 675B, 675B CUMMINS: SÉRIE K. **DIVERSAS** 639D **INGERSOLL RAND** DL 1200

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3540-STD	22,34	17,58	28,45	DELCO-REMY	LADO COLETOR

APLICAÇÕES

CATERPILLAR 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 4D343, 621B, 621E, 623E, 631D, 631E, 633D, 637E, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C, 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08 **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380 CLARK: 380III, 380-2III, 380C-480, 380IIIA, 410, 475B, 475B CLARK: 675, 475III, 675B, 675B CUMMINS: SÉRIE K. **DIVERSAS** 639D **INGERSOLL RAND** DL 1200

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3541-STD	24,45	21,32	31,75	DELCO-REMY	LADO INTERMEDIÁRIO

APLICAÇÕES

CATERPILLAR 245, 3406, 3408, 3412, 346, 3508, 3512, 3516, 4D343, 631D, 631E, 633D, 637E, 641B, 651B, 651E, 657B, 657E, 660B, 666B, 768B, 768C, 769B, 769C, 772, 772B, 773, 773B, 824, 824C, 825C, 826C, 834B, 983B, 988, 988B, 992, 992B, 992C, D08 **CLARK** 275K, 310, 310III, 310IIIH, 330IIIH, 380, 380 CLARK: 380III, 380-2III, 380C-480, 380IIIA, 410, 475B, 475B CLARK: 675, 475III, 675B, 675B CUMMINS: SÉRIE K. **DIVERSAS** 639D **INGERSOLL RAND** DL 1200

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC524-2X	19,18	15,91	19,10	DELCO-REMY	LADO MOTRIZ
SC524-STD	19,18	16,04	19,10		

APLICAÇÕES

CATERPILLAR 910, 916, 926, 926E, D-320 **FORD** CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 24V **JOHN DEERE** CHW 2500B MOTOR SCANIA, COLHEITADEIRA CHT 2500B MOTOR SCANIA **MERCEDES BENZ** CAMINHÕES COM MOTOR SÉRIE BR-400 24V **VOLKSWAGEN** CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 24V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC885-2X	19,14	14,29	18,95	DELCO-REMY	LADO COLETOR
SC885-STD	19,14	14,41	18,95		

APLICAÇÕES

CATERPILLAR 3114, 3116, 3176, 3304, 3306, 910, 916, 926, 926E, D-320 **CHEVROLET-GM** CAMINHÃO 12170 COM MOTOR CATERPILLAR 3116/3126, CAMINHÃO 14190 COM MOTOR CATERPILLAR 3116/3126, CAMINHÃO 15190 COM MOTOR CATERPILLAR 3116/3126, CAMINHÃO 16220 COM MOTOR CATERPILLAR 3116/3126 **FORD** CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 12V, CAMINHÕES COM MOTOR CUMMINS SÉRIE C - 6I 24V, CARGO 1622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 1630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2422 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2622 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2626 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2630 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 2631 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 3222 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CARGO 4030 COM MOTOR CUMMINS 6CTAA 8.3 LITROS **JOHN DEERE** COLHEITADEIRAS CHT 2500B MOTOR SCANIA, COLHEITADEIRAS CHW 2500B MOTOR SCANIA **MERCEDES BENZ** CAMINHÃO 1633, CAMINHÃO L1628 PLATAFORMAS O400 RSD E SER APÓS 06/02 CAMINHÃO L1632 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO L1938 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO L1944 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO L2638 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO LS1632 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO LS1634 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO OF1722 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO OH1628 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÃO S1938 PLATAFORMAS O400 RSD E SER APÓS 06/02, CAMINHÕES COM MOTOR SÉRIE BR-400 24V **VOLKSWAGEN** CAMINHÃO 17220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 17310 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 18310 TITAN TRACTOR, CAMINHÃO 23210 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 23220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 23310 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 26220 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 26260 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÃO 26310 COM MOTOR CUMMINS 6CTAA 8.3 LITROS, CAMINHÕES COM MOTOR CUMMINS SÉRIE C-6I 24V

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2258-STD	12,51	8,01	10,00	DENSO FORD / MOTORCRAFT MITSUBISHI	

APLICAÇÕES

FORD CURRIER, FIESTASTREET1.0, FUSION3.0LV6(2010), KA, RANGER, TAURUS **LANDROVER** DISCOVERY2.7TD(2004-2009), DISCOVERY32.7(2012), RANGEROVERDIESEL, RANGEROVERSPORT2.7TDVM(2005-2009) **MERCURY** MILAN3.0LV6(2010) **NISSAN** VERSA **RENAULT** LOGAN2018, SANDERO(2018)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3439-STD	8,02	5,03	7,00	DENSO	

APLICAÇÕES

FIAT ARGO 1.8L (01/2018), CRONOS 1.8L FLEX (01/2018), GRAND SIENA (01/2012), PALIO (01/2012), SIENA (01/2012), TORO (01/2016), TORO 1.8 FLEX (01/2016) **JEEP** RENEGADE (01/2015), RENEGADE 1.8 FLEX (01/2015)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3445-STD	10,02	6,03	6,50	DENSO	PLANETÁRIA

APLICAÇÕES

VOLKSWAGEN GOL G6, UP, VOYAGE G6

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3447-STD	7,02	5,03	5,00	DENSO	

APLICAÇÕES

FIAT ARGO 1.8L (01/2018), CRONOS 1.8L FLEX (01/2018), GRAND SIENA (01/2012), PALIO (01/2012), SIENA (01/2012), TORO (01/2016), TORO 1.8 FLEX (01/2016) **JEEP** RENEGADE (01/2015), RENEGADE 1.8 FLEX (01/2015)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3477-STD	14,71	11,02	10,00	DENSO	

APLICAÇÕES

CHRYSLER GRANDVOYAGER3.3(2000-2008), GRANDVOYAGER3.8(2007) **DODGE** CARAVAN3.3 **FIAT** PANDA1.3(2012->) **HONDA** ACCORD2.0(2008->), CIVIC1.6(2005->), CIVIC1.8(2005-2010), CIVIC2.0(2008), CR-V2.0(2007->), FR-V1.8(2007->) **JEEP** WRANGLER3.8LV6(2007-2011) **TOYOTA** COROLLA **YOTA** ETIOS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3478-STD	18,41	15,02	11,00	DENSO	

APLICAÇÕES

CHRYSLER GRANDVOYAGER3.3(2000-2008), GRANDVOYAGER3.8(2007) **DODGE** CARAVAN3.3 **FIAT** PANDA1.3(2012->) **HONDA** ACCORD2.0(2008->), CIVIC1.6(2005->), CIVIC1.8(2005-2010), CIVIC2.0(2008), CR-V2.0(2007->), FR-V1.8(2007->) **JEEP** WRANGLER3.8LV6(2007-2011) **TOYOTA** COROLLA **YOTA** ETIOS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3485-STD	9,51	7,02	11,00	DENSO	

APLICAÇÕES

BMW 1161.6I(2007-2011), 1162.0I(2008-2011), 1182.0I(2006-2013), 1202.0I(2007-2013), 1253.0I(2007-2013), 1303.0I(2006-2011), 1353.0I(2007-2013), 220I, 225I, 3161.6I(2007-2013), 3182.0I(2007-2012), 3202.0I(2007-2013), 3232.5I(2005-2007), 3252.5I(2004-2011), 3252.5XI(2005-2011), 3253.0I(2007-2013), 3253.0IXDRIVE(2008-2013), 3253.0XI(2007-2008), 3303.0I(2004-2013), 3303.0IXDRIVE(2007-2013),

3303.0XI(2005-2012), 3353.0I(2006-2013), 3353.0IXDRIVE(2008-2013), 3353.0XI(2007-2010), 5202.0I(2007-2010), 5232.5I(2007-2011), 5233.0I(2009-2011), 5252.5I(2005-2010), 5252.5XI(2005-2010), 5253.0I(2007-2010), 5253.0IXDRIVE(2008-2010), 5253.0XI(2007-2010), 5303.0I(2005-2010), 5303.0IXDRIVE(2008-2010), 5303.0XI(2004-2010), 5353.0I(2010-2017), 5353.0IGRANTURISMO(2009-2017), 5353.0IXDRIVE(2011-2016), 5353.0IXDRIVEGRANTURISMO(2010-2017), 6303.0I(2004-2010), 7303.0I(2005-2015), 7303.0LI(2005-2015), 7403.0I(2008-2012), 7403.0LI(2008-2012), X1, X13.0XDRIVE25I(2010-2011), X13.0XDRIVE28I(2009-2011), X32.5SI(2006-2008), X32.5XDRIVE25I(2008-2010), X33.0SI(2006-2008), X33.0XDRIVE28I(2011-2012), X33.0XDRIVE30I(2008-2010), X33.0XDRIVE35I(2010-2017), X53.0SI(2006-2008), X53.0XDRIVE30I(2008-2010), X53.0XDRIVE35I(2010-2013), X63.0XDRIVE35I(2008-2014), Z42.5I(2005-2009), Z42.5SDRIVE23I(2009-2011), Z42.5SI(2006-2008), Z43.0SDRIVE30I(2009-2011), Z43.0SDRIVE35I(2009-2016), Z43.0SI(2006-2008), Z43.0XDRIVE35IS(2010-2016) **CHRYSLER** GRANDVOYAGER3.3(2000-2008), GRANDVOYAGER3.8(2007) **DODGE** CARAVAN3.3 **FIAT** PANDA1.3(2012->) **GM** CAPTIVA, COBALT, EQUINOX(2018-2020) **HONDA** ACCORD2.0(2008->), CIVIC1.6(2005->), CIVIC1.8(2005-2010), CIVIC2.0(2008), CR-V2.0(2007->), FR-V1.8(2007->), NEWCIVIC1.8/2.0(2012-2016) **HYUNDAI** CRETA2.0(2017) **JEEP** WRANGLER3.8LV6(2007-2011) **KIA** CARENS2.0(2013->), SOUL1.6(2014->) **MINI** MINICOOPERCLUBMAN(2016->)2.0 **TOYOTA** HILUX1GD(2015), HILUX2.8(2016->2018)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3500-STD	18,02	14,02	7,80	DENSO	

APLICAÇÕES

FIAT GRANDSIENAATRACTIVE1.4L8VSOHCL4(2013A2016), GRANDSIENAESSENCE1.6L16VDOHCL4(2013A2016), GRANDSIENAESSENCEDUALOGIC1.6L16VDOHCL4(2013A2016), GRANDSIENASUBLIME1.6L16VDOHCL4(2013A2016), GRANDSIENATETRAFUEL1.4L8VSOHCL4(2013A2016)PALIO(2012), MOBI, STRADA(2012), TORO, UNOATTRACTIVE1.01.0L12VSOHCL3(2016ACIMA), UNOATTRACTIVE1.01.0L8VSOHCL4(2014A2016), UNOATTRACTIVE1.4L8VSOHCL4(2013A2014), UNOCOLLEGE1.0L8VSOHCL4(2013A2014), UNOECONOMY1.0L8VSOHCL4(2013A2013), UNOECONOMY1.41.4L8VSOHCL4(2013A2014), UNOEVOLUTION1.41.4L8VSOHCL4(2014A2016), UNOFURGÃO1.0L8VSOHCL4(2013A2014), UNOFURGÃO1.3L8VSOHCL4(2013A2013), UNOFURGÃO1.4L8VSOHCL4(2013A2014), UNORIO450WAY1.0L8VSOHCL4(2015A2016), UNORUA1.0L8VSOHCL4(2014A2014), UNOSPORTING1.31.3L8VSOHCL4(2016ACIMA), UNOSPORTING1.3DUALOGIC1.3L8VSOHCL4(2016ACIMA), UNOSPORTING1.41.4L8VSOHCL4(2014A2016), UNOSPORTING1.4DUALOGIC1.4L8VSOHCL4(2014A2016), UNOSPORTING1.4L8VSOHCL4(2013A2014), UNOVIVACE1.02P1.0L8VSOHCL4(2014A2016), UNOVIVACE1.04P1.0L8VSOHCL4(2014A2016), UNOVIVACE1.0L8VSOHCL4(2013A2014), UNOVIVACEITÁLIA1.0L8VSOHCL4(2014A2016), UNOWAY1.01.0L12VSOHCL3(2016ACIMA), UNOWAY1.01.0L8VSOHCL4(2014A2016), UNOWAY1.0L8VSOHCL4(2013A2014), UNOWAY1.31.3L8VSOHCL4(2016ACIMA), UNOWAY1.3DUALOGIC1.3L8VSOHCL4(2016ACIMA), UNOWAY1.41.4L8VSOHCL4(2014A2016), UNOWAY1.4DUALOGIC1.4L8VSOHCL4(2014A2016), UNOWAY1.4L8VSOHCL4(2013A2014)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1905-STD	22,32	19,04	6,05	FORD / MOTORCRAFT	INTERMEDIÁRIA

APLICAÇÕES

FORD ESCORT, F1000 (COM MOTOR MAXION), FIESTA, FOCUS, KA, MAVERICK, MONDEO 1.8, MONDEO 2.0, PICK-UP F250, PICK-UP F350, PICK-UP F4000, RANGER (COM MOTOR MAXION), RANGER 2.5 XL, RANGER 2.5 XLT, TRANSIT

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2166-STD	14,21	12,09	10,00	FORD / MOTORCRAFT	LADO MOTRIZ / LADO COLETOR

APLICAÇÕES

FORD ESCORT, F1000 COM MOTOR MAXION, FIESTA, FOCUS, KA, MAVERICK, MONDEO 1.8, MONDEO 2.0, PICK-UP F250, PICK-UP F350, PICK-UP F4000, RANGER 2.5 XL, RANGER 2.5 XLT, RANGER COM MOTOR MAXION, TRANSIT

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2194-STD	16,04	11,94	10,00	FORD / MOTORCRAFT	LADO COLETOR

APLICAÇÕES

FORD COURIER, ESCORT 1.8, FIESTA, KA **MITSUBISHI** L-200 **TOYOTA** HILUX

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2276-STD	20,81	17,51	7,35	FORD / MOTORCRAFT MITSUBISHI	

APLICAÇÕES

FORD CURRIER, FIESTASTREET1.0, FUSION3.0LV6(2010), KA, RANGER, TAURUS **LANDROVER** DISCOVERY2.7TD(2004-2009), DISCOVERY32.7(2012), RANGEROVERDIESEL, RANGEROVERSPORT2.7TDVM(2005-2009) **MERCURY** MILAN3.0LV6(2010) **NISSAN** VERSA **RENAULT** LOGAN2018, SANDERO(2018) **SUZUKI** GRANDVITARA4X4APÓS2012

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3470-STD	16,01	12,52	14,92	HITACHI	

APLICAÇÕES

NISSAN LIVINA S/SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA SL AUTO FLEX 1.8 L 16V DOHC L4 (2009 A 2014), LIVINA X GEAR SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.8 L 16V DOHC L4 (2009 A 2014), SENTRA GXE AT 1.8 L 16V DOHC L4 (2000 A 2006), SENTRA GXE AT 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA S 2.0 L 16V DOHC L4 (2014 A 2016), SENTRA S/SL 2.0 L 16V DOHC L4 (2009 A 2013), SENTRA SE 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA SER 1.6 L 8V SOHC L4 (1990 A 1996), SENTRA SL 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA SV 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA UNIQUE 2.0 L 16V DOHC L4 (2014 A 2016), TIIDA S/SL 1.8 L 16V DOHC L4 (2007 A 2013) **RENAULT** FLUENCE DYNAMIQUE 2.0 2.0 L 16V DOHC L4 (2015 A 2016), FLUENCE DYNAMIQUE 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE 2.0 CVT 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE PLUS 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE PLUS 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE EXPRESSION - TAXI 1.6 L 16V DOHC L4 (2012 A 2014), FLUENCE GT LINE 2.0 L 16V DOHC L4 (2014 A 2016), FLUENCE GT TURBO 2.0 L 16V DOHC L4 (2013 A 2014), FLUENCE PRIVILEGE 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE PRIVILEGE 2.0 L 16V DOHC L4 (2011 A 2018)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3471-STD	11,01	6,72	6,03	HITACHI	

APLICAÇÕES

NISSAN LIVINA S/SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA SL AUTO FLEX 1.8 L 16V DOHC L4 (2009 A 2014), LIVINA X GEAR SL 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.6 L 16V DOHC L4 (2009 A 2014), LIVINA X-GEAR 1.8 L 16V DOHC L4 (2009 A 2014), SENTRA GXE AT 1.8 L 16V DOHC L4 (2000 A 2006), SENTRA GXE AT 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA S 2.0 L 16V DOHC L4 (2014 A 2016), SENTRA S/SL 2.0 L 16V DOHC L4 (2009 A 2013), SENTRA SE 2.0 L 16V DOHC L4 (2006 A 2009), SENTRA SER 1.6 L 8V SOHC L4 (1990 A 1996), SENTRA SL 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA SV 2.0 L 16V DOHC L4 (2013 A 2016), SENTRA UNIQUE 2.0 L 16V DOHC L4 (2014 A 2016), TIIDA S/SL 1.8 L 16V DOHC L4 (2007 A 2013) **RENAULT** FLUENCE DYNAMIQUE 2.0 2.0 L 16V DOHC L4 (2015 A 2016), FLUENCE DYNAMIQUE 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE 2.0 CVT 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE 2.0 L 16V DOHC L4 (2011 A 2014), FLUENCE DYNAMIQUE PLUS 2.0 AT 2.0 L 16V DOHC L4 (2016 A 2018), FLUENCE DYNAMIQUE PLUS 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE EXPRESSION - TAXI 1.6 L 16V DOHC L4 (2012 A 2014), FLUENCE GT LINE 2.0 L 16V DOHC L4 (2014 A 2016), FLUENCE GT TURBO 2.0 L 16V DOHC L4 (2013 A 2014), FLUENCE PRIVILEGE 2.0 CVT 2.0 L 16V DOHC L4 (2015 A 2018), FLUENCE PRIVILEGE 2.0 L 16V DOHC L4 (2011 A 2018)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
	28,05	10,06	8,00	ISKRA	

APLICAÇÕES

AGCO TRATORES **DIVERSAS** VOLARE **MASSEY FERGUSON** 200, 265, 283, 290, 292, 293, 4265, 4275, 4283, 4290, MX720, MX750

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1774-STD	18,13	14,04	19,00	ISKRA	LADO MOTRIZ

APLICAÇÕES

DIVERSAS VALMET, VALTRA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2058-STD	20,03	14,01	11,50	ISKRA PRESTOLITE - LUCAS INDIEL	LADO COLETOR

APLICAÇÕES

FORD F100, F1000, F150, MÁQUINAS, TRATORES **MERCEDES BENZ** SPRINTER **NEW HOLLAND** MÁQUINAS, TRATORES **VALMET** MÁQUINAS, TRATORES **VALTRA** MÁQUINAS, TRATORES **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2231-STD	20,16	14,01	10,90	ISKRA	LADO COLETOR

APLICAÇÕES

FORD F100, F1000, F150 **MERCEDES BENZ** SPRINTER **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2234-STD	16,02	14,09	18,00	ISKRA	LADO COLETOR

APLICAÇÕES

FORD TRATORES **NEW HOLLAND** COLHEITADEIRA TC-59, TRATORES **VALMET** TRATORES **VALTRA** TRATORES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2235-STD	23,02	19,02	17,00	ISKRA	INTERMEDIÁRIA

APLICAÇÕES

VALMET MODERNA **VALTRA** MODERNO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2283-STD	22,00	18,03	8,10	ISKRA	

APLICAÇÕES

DIVERSAS PERFURATRIZ - MOTOR DE PARTIDA ESTACIONÁRIO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2334-STD	27,02	22,01	9,00	ISKRA	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

CASE TRATOR **DIVERSAS** VALMET, VALTRA **MASSEY FERGUSON** CAMINHÕES **VOLKSWAGEN** CAMINHÃO **VOLVO** CAMINHÃO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2336-STD	27,12	21,86	10,50	ISKRA	

APLICAÇÕES

BOBCAT MINI PÁ CARREGADEIRA 975 **CASE** TRATORES CS, TRATORES CVX, TRATORES JX, TRATORES JXU, TRATORES MAXXUM, TRATORES MXM, TRATORES MXU, TRATORES PUMA, TRATORES QUANTUM **CATERPILLAR** MÁQUINAS CHALLENGER DIVERSAS **CHALLENGER** COLHEITADEIRA 652C, COLHEITADEIRA 660B, COLHEITADEIRA 670B, COLHEITADEIRA 672C, PULVERIZADOR ROGATOR RG1100, PULVERIZADOR ROGATOR RG1300, PULVERIZADOR ROGATOR RG635B, PULVERIZADOR ROGATOR RG645B, PULVERIZADOR ROGATOR RG655B, TRATOR DE ESTEIRAS MT665D, TRATOR DE ESTEIRAS MT685D, TRATOR DE ESTEIRAS MT745D, TRATOR DE ESTEIRAS MT755D, TRATOR DE ESTEIRAS MT755E, TRATOR DE ESTEIRAS MT765D, TRATOR DE ESTEIRAS MT765E, TRATOR DE ESTEIRAS MT775E, TRATOR TERRAGATOR TG845 **DIVERSAS** VALMET, VALTRA **JOHN DEERE** COLHEITADEIRAS, RETROESCAVADEIRA 210C, RETROESCAVADEIRA 210LE, RETROESCAVADEIRA 300B, RETROESCAVADEIRA 300D, RETROESCAVADEIRA 310B, RETROESCAVADEIRA 310C, RETROESCAVADEIRA 310D, RETROESCAVADEIRA 310E, RETROESCAVADEIRA 310G, RETROESCAVADEIRA 315C, RETROESCAVADEIRA 315CH, RETROESCAVADEIRA 315D, RETROESCAVADEIRA 315G, RETROESCAVADEIRA 410C, RETROESCAVADEIRA 410E, RETROESCAVADEIRA 410G, RETROESCAVADEIRA 610C, RETROESCAVADEIRA JD310, RETROESCAVADEIRA JD350A, RETROESCAVADEIRA JD400A, RETROESCAVADEIRA JD450A, RETROESCAVADEIRA JD450B, RETROESCAVADEIRA JD450C, TRATORES **KOMATSU** RETROESCAVADEIRA WB97S-5 **MAN** CAMINHÕES 10145, CAMINHÕES 10150 CAMINHÕES 10153, CAMINHÕES 10163, CAMINHÕES 10220, CAMINHÕES 10223, CAMINHÕES 10224, CAMINHÕES 11150, CAMINHÕES 11190, CAMINHÕES 11220, CAMINHÕES 11230, CAMINHÕES 12152, CAMINHÕES 12162, CAMINHÕES 12163, CAMINHÕES 12192, CAMINHÕES 12222, CAMINHÕES 12224, CAMINHÕES 12232, CAMINHÕES 12255, CAMINHÕES 12262, CAMINHÕES 12264, CAMINHÕES 12272, CAMINHÕES 12284, CAMINHÕES 12285, CAMINHÕES 13220, CAMINHÕES 13230, CAMINHÕES 14152, CAMINHÕES 14162, CAMINHÕES 14163, CAMINHÕES 14192, CAMINHÕES 14220, CAMINHÕES 14222, CAMINHÕES 14224, CAMINHÕES 14232, CAMINHÕES 14262, CAMINHÕES 14264, CAMINHÕES 14272, CAMINHÕES 14282, CAMINHÕES 15163, CAMINHÕES 15224, CAMINHÕES 15264, CAMINHÕES 15284, CAMINHÕES 17192, CAMINHÕES 17222, CAMINHÕES 17232, CAMINHÕES 17272, CAMINHÕES 18192, CAMINHÕES 18220, CAMINHÕES 18222, CAMINHÕES 18224, CAMINHÕES 18232, CAMINHÕES 18262, CAMINHÕES 18264, CAMINHÕES 18272, CAMINHÕES 18284, CAMINHÕES 20224, CAMINHÕES 20264, CAMINHÕES 20284, CAMINHÕES 24192, CAMINHÕES 24222, CAMINHÕES 24232, CAMINHÕES 24262, CAMINHÕES 24272, CAMINHÕES 25224, CAMINHÕES 26225, CAMINHÕES 26285, CAMINHÕES 6100, CAMINHÕES 8100, CAMINHÕES 8113, CAMINHÕES 8150, CAMINHÕES 8153, CAMINHÕES 8163, CAMINHÕES 8185, CAMINHÕES 8220, CAMINHÕES 8223, CAMINHÕES 8224, CAMINHÕES 9150, CAMINHÕES 9153, CAMINHÕES 9163, CAMINHÕES 9185, CAMINHÕES 9223, CAMINHÕES 9224, CAMINHÕES LE160C, CAMINHÕES LE180C, CAMINHÕES LE220C, CAMINHÕES ME220B, CAMINHÕES ME250B, CAMINHÕES ME280B, ÔNIBUS NM152, ÔNIBUS NM182, ÔNIBUS NM192, ÔNIBUS NM222, ÔNIBUS NM223, ÔNIBUS SM152, ÔNIBUS SM192 **MASSEY FERGUSON** TRATORES **MERCEDES-BENZ** ÔNIBUS O520 (CITO), ÔNIBUS O530 (CITARO), VARIO **NEW HOLLAND** COLHEITADEIRA HW300, COLHEITADEIRA HW320, COLHEITADEIRA HW340, TRATORES T6, TRATORES T7, TRATORES TB, TRATORES TM, TRATORES TS, TRATORES TV **VALMET** TRATORES **VALTRA** TRATORES **ZETOR** TRATORES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3448-STD	28,05	10,06	8,00	ISKRA	

APLICAÇÕES

AGCO TRATORES **DIVERSAS** VOLARE **MASSEY FERGUSON** 200, 265, 283, 290, 292, 293, 4265, 4275, 4283, 4290, MX720, MX750

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3036-2X	14,06	9,95	14,00	MAGNETI MARELLI	LADO MOTRIZ
SC3036-3X	14,06	9,88	14,00		
SC3036-STD	14,06	10,07	14,00		

APLICAÇÕES

FIAT PALIO, PALIO WEEKEND 1.6 16V, SIENA, STRADA, TEMPRA, TIPO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1846-STD	14,03	10,03	14,00	MITSUBISHI	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM S10 **KIA** RIO I 1.3, RIO I 1.5 **MARCOPOLO** ÔNIBUS VOLARE **MAZDA** 323 VI 1.4 16V, 323 VI 1.5 16V, 626 V 1.8, 626 V 2.0, MPV II 2.0 16V, MX-5 II 1.6I, MX-5 II 1.8I, PREMACY 1.8 PREMACY 2.0

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2206-STD	13,11	10,04	12,00	MITSUBISHI	INTERMEDIÁRIA

APLICAÇÕES

CLARK EMPILHADEIRAS **HYSTER** EMPILHADEIRAS **MITSUBISHI** EMPILHADEIRAS **YALE** EMPILHADEIRAS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2210-STD	14,73	10,03	13,00	MITSUBISHI	LADO COLETOR / INTERMEDIÁRIA

APLICAÇÕES

MITSUBISHI L200, PAJERO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2211-STD	22,43	17,83	9,00	MITSUBISHI	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM S10 **KIA** RIO I 1.3, RIO I 1.5 **MARCOPOLO** ÔNIBUS VOLARE **MAZDA** 323 VI 1.4 16V, 323 VI 1.5 16V, 626 V 1.8, 626 V 2.0-MPV II 2.0 16V, MX-5 II 1.6I, MX-5 II 1.8I, PREMACY 1.8 PREMACY 2.0 **MITSUBISHI** L200, PAJERO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2217-STD	22,04	18,00	5,60	MITSUBISHI	

APLICAÇÕES

DIVERSAS BOSCH **HISTER** EMPILHADEIRA XM **IVECO** DAILY 55C16 **NISSAN** VERSA **RENAULT** LOGAN(2018), SADERO 92018 **YALE** EMPILHADEIRA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2238-STD	14,11	10,01	13,00	MITSUBISHI	BUCHA DIANTEIRA

APLICAÇÕES

CHEVROLET - GM ÔMEGA **CLARK** EMPILHADEIRA **HYSTER** EMPILHADEIRA **MITSUBISHI** PAJERO (6CC) COM FOCINHO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2277-STD	22,81	17,51	10,00	MITSUBISHI	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

CHEVROLET - GM BLAZER, S10 **DIVERSAS** JEEP **TROLLER** T4 C/ MOTOR MWM 2.8 DIESEL

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2286-STD	21,52	19,02	6,00	MITSUBISHI	

APLICAÇÕES

NISSAN MARCH

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2298-STD	15,01	10,15	10,30	MITSUBISHI	BUCHA DIANTEIRA

APLICAÇÕES

CHEVROLET - GM BLAZER, S10 **TROLLER** T4 C/ MOTOR MWM 2.8 DIESEL

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2313-STD	23,01	19,01	6,10	MITSUBISHI	

APLICAÇÕES

FIAT BLAZER, CHEVROLET-GM:S10, MITSUBISHI:TR4, TROLLER:T4 **JEEP** CHEROKEE

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2320-STD	12,01	8,01	10,00	MITSUBISHI	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

CHEVROLET - GM ÔMEGA **CLARK** EMPILHADEIRA **HYSTER** EMPILHADEIRA **MITSUBISHI** PAJERO (6CC) COM FOCINHO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3475-STD	13,01	8,06	8,00	MITSUBISHI	

APLICAÇÕES

CHEVROLET CAPTIVA, OMEGAAUSTRALIANO, TRACKER **MITSUBISHI** PAJEROTR4 **SUZUKI** VITARA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3476-STD	21,00	17,55	6,00	MITSUBISHI	

APLICAÇÕES

CHEVROLET CAPTIVA, OMEGA AUSTRALIANO, TRACKER **MITSUBISHI** PAJERO TR4 **SUZUKI** VITARA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1100-2X	15,60	11,97	5,45	PRESTOLITE - LUCAS INDIEL	LADO COLETOR
SC1100-STD	15,60	12,10	5,45		

APLICAÇÕES

FIAT PALIO TURBO 1.0, PALIO TURBO 1.5, PALIO TURBO 1.6 **FORD** ESCORT ZETEC, FIESTA TURBO 1.0, FIESTA TURBO 1.4, VERONA COM MOTOR AUDI 2.0 (827)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1724-2X	14,31	11,07	13,40	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ / INTERMEDIÁRIA
SC1724-STD	14,32	11,22	13,55		

APLICAÇÕES

CHRYSLER DODGE RAM COM MOTOR CUMMINS B 5.9 **CUMMINS** CTA 8.3, CUMMINS C 8.3, CUMMINS C6CT, MOTOR 6B TA/6BT, MOTOR CUMMINS B 5.9 **FIAT** ELBA, FIORINO, PRÊMIO 1.5, PRÊMIO 1.6, TIPO 1.6 MPI, TIPO 1.6 SPI, UNO 1.5, UNO 1.6, UNO 1.6 SPI UNO 1.6 MPI **FORD** CAMINHÃO COM MOTOR CUMMINS B 5.9, CAMINHÃO COM TRACTOR 6CIL, ESCORT GUARUJÁ, ESCORT HOBBY, F1000, F250, F4000, POWER STROKE, POWER STROKE COM MOTOR NAVISTAR V8 7.3, RANGER **MERCEDES BENZ** CAMINHÃO 1315 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1318 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1320 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO O371 6CIL, CAMINHÃO O371 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OF1315 6CIL, CAMINHÃO OF1316 6CIL, CAMINHÃO OF215 6CIL, CAMINHÃO OF215 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OH1316 6CIL, CAMINHÃO OH1316 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OH1318 6CIL, CAMINHÃO OH1320 6CIL, ÔNIBUS 1214 COM CAIXA AUTOMÁTICA, ÔNIBUS 1414 COM CAIXA AUTOMÁTICA, ÔNIBUS 1418 COM CAIXA AUTOMÁTICA, ÔNIBUS 1614 COM CAIXA AUTOMÁTICA, ÔNIBUS OH TODOS 6CIL COM CAIXA MANUAL, SPRINTER **VALTRA** TRATOR 110 COM MOTOR SISU 3CIL, TRATOR 110 COM MOTOR SISU 4CIL, TRATOR 110 COM MOTOR SISU 6CIL, TRATOR 120 COM MOTOR SISU 3CIL, TRATOR 120 COM MOTOR SISU 4CIL, TRATOR 120 COM MOTOR SISU 6CIL, TRATOR 88 COM MOTOR SISU 3CIL, TRATOR 88 COM MOTOR SISU 4CIL, TRATOR 88 COM MOTOR SISU 6CIL, TRATOR BH 140 COM MOTOR SISU 4CIL, TRATOR BH 140 COM MOTOR SISU 6CIL, TRATOR BH 160 COM MOTOR SISU 3CIL, TRATOR BH 160 COM MOTOR SISU 4CIL, TRATOR BH 160 COM MOTOR SISU 6CIL, TRATOR BH 180 COM MOTOR SISU 3CIL, TRATOR BH 180 COM MOTOR SISU 4CIL, TRATOR BH 180 COM MOTOR SISU 6CIL, TRATOR BL77 COM MOTOR SISU 3CIL, TRATOR BL77 COM MOTOR SISU 4CIL, TRATOR BL77 COM MOTOR SISU 6CIL, TRATOR BM100 COM MOTOR SISU 3CIL, TRATOR BM100 COM MOTOR SISU 4CIL, TRATOR BM100 COM MOTOR SISU 6CIL, TRATOR LEVE 685C, TRATOR LEVE 785C, TRATOR PESADO 1280 COM MOTOR MWM 3CIL, TRATOR PESADO 1280 COM MOTOR MWM 6CIL, TRATOR PESADO 1580 COM MOTOR MWM 3CIL, TRATOR PESADO 1580 COM MOTOR MWM 6CIL, TRATOR PESADO 1780 COM MOTOR MWM 3CIL, TRATOR PESADO 1780 COM MOTOR MWM 6CIL **VOLKSWAGEN** 26.260 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 17.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 17.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 17.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.26 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO PESADO 26.250E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9CIL, CAMINHÃO TITAN 17.310 COM MOTOR CUMMINS 6CTTA 8.3, GOL, MINIÔNIBUS COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, PARATI SAVEIRO, TITAN COM MOTOR CUMMINS C **VOLVO** CAMINHÕES VM 17 23 COM MOTOR MWM SÉRIE 229, CAMINHÕES VM 17 23 COM MOTOR MWM SÉRIE X10

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1730-2X	15,13	11,95	12,00	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ
SC1730-STD	15,13	12,08	12,00		

APLICAÇÕES

DIVERSAS IVECO, MASSEY FERGUSON **FIAT** DUCATO, UNO **FORD** ESCORT, F-250, F-350 **MERCEDES BENZ** SPRINTER COM BOSCH **VOLKSWAGEN** GOL, PARATI, SAVEIRO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1978-STD	10,02	6,04	10,40	PRESTOLITE - LUCAS INDIEL	PLANETÁRIA

APLICAÇÕES

FORD F-250 MOTOR MAXION, F-250 MOTOR PERKINS, F-350 MOTOR MAXION FIAT: DUCATO 10 2.8 TD, F-350 MOTOR PERKINS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2047-2X	13,06	9,94	13,90	PRESTOLITE - LUCAS INDIEL VALEO	LADO MOTRIZ
SC2047-STD	13,06	10,07	13,90		

APLICAÇÕES

CHEVROLET-GM CELTA 1.4 8V VHC 2004 ATÉ 2008, CORSA CLASSIC 1.0 8V VHC 2000 A 2008, CORSA JOY MAXX 1.0 SOHC 2004 A 2008, CORSA JOY MAXX 1.4 SOHC 2004 A 2008, CORSA JOY MAXX 1.8 SOHC 2004 A 2008, CORSA PREMIUM 1.0 SOHC 2004 A 2008, CORSA PREMIUM 1.4 SOHC 2004 A 2008, CORSA PREMIUM 1.8 SOHC 2004 A 2008, CORSA WIND 1.0 16V, CORSA WIND 1.4, CORSA WIND 1.6 EFI, CORSA WIND GL, CORSA WIND GSI 1.0, MERIVA 1.8 JOY MAXX SOHC ATÉ 2008, MERIVA 1.8 PREMIUM SOHC ATÉ 2008 **CHRYSLER** DODGE RAM COM MOTOR CUMMINS B 5.9 **CLARK** EMPILHADEIRAS **CUMMINS** CTA 8.3, CUMMINS C 8.3, CUMMINS C6CT, MOTOR 6B TA/6BT, MOTOR CUMMINS B 5.9 **FORD** CAMINHÃO COM MOTOR CUMMINS B 5.9, CAMINHÃO COM MOTOR TRACTOR 6CIL, POWER STROKE, POWER STROKE COM MOTOR NAVISTAR V8 7.3 **MERCEDES BENZ** CAMINHÃO 1315 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1318 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1320 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO O371 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OF215 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OH1316 OH TODOS 6CIL COM CAIXA MANUAL, ÔNIBUS 1214 COM CAIXA AUTOMÁTICA, ÔNIBUS 1414 COM CAIXA AUTOMÁTICA, ÔNIBUS 1418 COM CAIXA AUTOMÁTICA, ÔNIBUS 1614 COM CAIXA AUTOMÁTICA, ÔNIBUS OH TODOS 6CIL COM CAIXA MANUAL **MITSUBISHI** EMPILHADEIRAS **VALTRA** TRATOR BH 140 COM MOTOR SISU 3CIL, TRATOR BH 140 COM MOTOR SISU 4CIL, TRATOR BH 140 COM MOTOR SISU 6CIL, TRATOR BH 160 COM MOTOR SISU 3CIL, TRATOR BH 160 COM MOTOR SISU 4CIL, TRATOR BH 160 COM MOTOR SISU 6CIL, TRATOR BH 180 COM MOTOR SISU 3CIL, TRATOR BH 180 COM MOTOR SISU 4CIL, TRATOR BH 180 COM MOTOR SISU 6CIL, TRATOR BL77 COM MOTOR SISU 3CIL, TRATOR BL77 COM MOTOR SISU 4CIL, TRATOR BL77 COM MOTOR SISU 6CIL, TRATOR BL88 COM MOTOR SISU 3CIL, TRATOR BL88 COM MOTOR SISU 4CIL, TRATOR BL88 COM MOTOR SISU 6CIL, TRATOR BM100 COM MOTOR SISU 3CIL, TRATOR BM100 COM MOTOR SISU 4CIL, TRATOR BM100 COM MOTOR SISU 6CIL, TRATOR BM110 COM MOTOR SISU 3CIL, TRATOR BM110 COM MOTOR SISU 4CIL, TRATOR BM110 COM MOTOR SISU 6CIL, TRATOR BM120 COM MOTOR SISU 3CIL, TRATOR BM120 COM MOTOR SISU 4CIL, TRATOR BM120 COM MOTOR SISU 6CIL, TRATOR LEVE 685C, TRATOR LEVE 785C, TRATOR PESADO 1280 COM MOTOR MWM 3CIL, TRATOR PESADO 1280 COM MOTOR MWM 6CIL, TRATOR PESADO 1580 COM MOTOR MWM 3CIL, TRATOR PESADO 1580 COM MOTOR MWM 6CIL, TRATOR PESADO 1780 COM MOTOR MWM 3CIL, TRATOR PESADO 1780 COM MOTOR MWM 6CIL **VOLKSWAGEN** CAMINHÃO 17.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 17.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 17.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.26 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.260 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO PESADO 26.250E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9CIL, CAMINHÃO TITAN 17.310 COM MOTOR CUMMINS 6CTTA 8.3, MINIÔNIBUS COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, TITAN COM MOTOR CUMMINS C **VOLVO** CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE 229, CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE X10

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2048-2X	25,91	21,73	12,00	PRESTOLITE - LUCAS INDIEL	LADO COLETOR
SC2048-STD	25,91	21,86	12,00		

APLICAÇÕES

CHEVROLET-GM CELTA 1.4 8V VHC 2004 ATÉ 2008, CORSA CLASSIC 1.0 8V VHC 2000 A 2008, CORSA JOY MAXX 1.0 SOHC 2004 A 2008, CORSA JOY MAXX 1.4 SOHC 2004 A 2008, CORSA JOY MAXX 1.8 SOHC 2004 A 2008, CORSA PREMIUM 1.0 SOHC 2004 A 2008, CORSA PREMIUM 1.4 SOHC 2004 A 2008, CORSA PREMIUM 1.8 SOHC 2004 A 2008, CORSA WIND 1.0 16V, CORSA WIND 1.4, CORSA WIND 1.6 EFI, CORSA WIND GL, CORSA WIND GSI 1.0, MERIVA 1.8 JOY MAXX SOHC ATÉ 2008, MERIVA 1.8 PREMIUM SOHC ATÉ 2008 **CHRYSLER** DODGE RAM COM MOTOR CUMMINS B 5.9 **CLARK** EMPILHADEIRAS **CUMMINS** CTA 8.3, CUMMINS C 8.3, CUMMINS C6CT, MOTOR 6B TA/6BT, MOTOR CUMMINS B 5.9 **FORD** CAMINHÃO COM MOTOR CUMMINS B 5.9, CAMINHÃO COM MOTOR TRACTOR 6CIL, POWER STROKE, POWER STROKE COM MOTOR NAVISTAR V8 7.3 **MERCEDES BENZ** CAMINHÃO 1315 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1318 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1320 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO O371 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OF215 OH TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OH1316 OH TODOS 6CIL COM CAIXA MANUAL, ÔNIBUS 1214 COM CAIXA AUTOMÁTICA, ÔNIBUS 1414 COM CAIXA AUTOMÁTICA, ÔNIBUS 1418 COM CAIXA AUTOMÁTICA, ÔNIBUS 1614 COM CAIXA AUTOMÁTICA, ÔNIBUS OH TODOS 6CIL COM CAIXA MANUAL **MITSUBISHI** EMPILHADEIRAS **VALTRA** TRATOR BH 140 COM MOTOR SISU 3CIL, TRATOR BH 140 COM MOTOR SISU 4CIL, TRATOR BH 140 COM MOTOR SISU 6CIL, TRATOR BH 160 COM MOTOR SISU 3CIL, TRATOR BH 160 COM MOTOR SISU 4CIL, TRATOR BH 160 COM MOTOR SISU 6CIL, TRATOR BH 180 COM MOTOR SISU 3CIL, TRATOR BH 180 COM MOTOR SISU 4CIL, TRATOR BH 180 COM MOTOR SISU 6CIL, TRATOR BL77 COM MOTOR SISU 3CIL, TRATOR BL77 COM MOTOR SISU 4CIL, TRATOR BL77 COM MOTOR SISU 6CIL, TRATOR BL88 COM MOTOR SISU 3CIL, TRATOR BL88 COM MOTOR SISU 4CIL, TRATOR BL88 COM MOTOR SISU 6CIL, TRATOR BM100 COM MOTOR SISU 3CIL, TRATOR BM100 COM MOTOR SISU 4CIL, TRATOR BM100 COM MOTOR SISU 6CIL, TRATOR BM110 COM MOTOR SISU 3CIL, TRATOR BM110 COM MOTOR SISU 4CIL, TRATOR BM110 COM MOTOR SISU 6CIL, TRATOR BM120 COM MOTOR SISU 3CIL, TRATOR BM120 COM MOTOR SISU 4CIL, TRATOR BM120 COM MOTOR SISU 6CIL, TRATOR LEVE 685C, TRATOR LEVE 785C, TRATOR PESADO 1280 COM MOTOR MWM 3CIL, TRATOR PESADO 1280 COM MOTOR MWM 6CIL, TRATOR PESADO 1580 COM MOTOR MWM 3CIL, TRATOR PESADO 1580 COM MOTOR MWM 6CIL, TRATOR PESADO 1780 COM MOTOR MWM 3CIL, TRATOR PESADO 1780 COM MOTOR MWM 6CIL **VOLKSWAGEN** CAMINHÃO 17.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 17.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 17.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.26 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.260 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO PESADO 26.250E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9CIL, CAMINHÃO TITAN 17.310 COM MOTOR CUMMINS 6CTTA 8.3, MINIÔNIBUS COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, TITAN COM MOTOR CUMMINS C **VOLVO** CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE 229, CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE X10

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2057-2X	18,14	14,94	13,40	PRESTOLITE - LUCAS INDIEL	INTERMEDIÁRIA
SC2057-STD	18,14	15,07	13,40		

APLICAÇÕES

CHRYSLER DODGE RAM COM MOTOR CUMMINS B 5.9 **CUMMINS** CTA 8.3, MOTOR 6B TA/6BT, MOTOR CUMMINS B 5.9, MOTOR CUMMINS C 8.3, MOTOR CUMMINS C6CT **FORD** CAMINHÃO COM MOTOR CUMMINS B 5.9, CAMINHÃO COM TRACTOR 6CIL, POWER STROKE, POWER STROKE COM MOTOR NAVISTAR V8 7.3 **MERCEDES BENZ** CAMINHÃO 1315 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1318 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO 1320 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OF215 TODOS 6CIL COM CAIXA MANUAL, CAMINHÃO OH1316 TODOS 6CIL COM CAIXA MANUAL, ÔNIBUS 1214 COM CAIXA AUTOMÁTICA, ÔNIBUS 1414 COM CAIXA AUTOMÁTICA, ÔNIBUS 1418 COM CAIXA AUTOMÁTICA, ÔNIBUS 1614 COM CAIXA AUTOMÁTICA, ÔNIBUS OH TODOS 6CIL COM CAIXA MANUAL **VALTRA** TRATOR 110 COM MOTOR SISU 3CIL, TRATOR 110 COM MOTOR SISU 4CIL, TRATOR 110 COM MOTOR SISU 6CIL, TRATOR 120 COM MOTOR SISU 3CIL, TRATOR 120 COM MOTOR SISU 4CIL, TRATOR 120 COM MOTOR SISU 6CIL, TRATOR 88 COM MOTOR SISU 3CIL, TRATOR 88 COM MOTOR SISU 4CIL, TRATOR 88 COM MOTOR SISU 6CIL, TRATOR BH 140 COM MOTOR SISU 4CIL, TRATOR BH 140 COM MOTOR SISU 6CIL, TRATOR BH 160 COM MOTOR SISU 3CIL, TRATOR BH 160 COM MOTOR SISU 4CIL, TRATOR BH 160 COM MOTOR SISU 6CIL, TRATOR BH 180 COM MOTOR SISU 3CIL, TRATOR BH 180 COM MOTOR SISU 4CIL, TRATOR BH 180 COM MOTOR SISU 6CIL, TRATOR BL77 COM MOTOR SISU 3CIL, TRATOR BL77 COM MOTOR SISU 4CIL, TRATOR BL77 COM MOTOR SISU 6CIL, TRATOR BM100 COM MOTOR SISU 3CIL, TRATOR BM100 COM MOTOR SISU 4CIL, TRATOR BM100 COM MOTOR SISU 6CIL, TRATOR LEVE 685C, TRATOR LEVE 785C, TRATOR PESADO 1280 COM MOTOR MWM 3CIL, TRATOR PESADO 1280 COM MOTOR MWM 6CIL, TRATOR PESADO 1580 COM MOTOR MWM 3CIL, TRATOR PESADO 1580 COM MOTOR MWM 6CIL, TRATOR PESADO 1780 COM MOTOR MWM 3CIL, TRATOR PESADO 1780 COM MOTOR MWM 6CIL **VOLKSWAGEN** CAMINHÃO 17.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 17.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 17.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 18.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 23.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 23.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.22 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.220 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.26 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.260 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO 26.31 COM MOTOR CUMMINS 6CTAA 8.3, CAMINHÃO 26.310 COM MOTOR CUMMINS 6CTTA 8.3, CAMINHÃO PESADO 26.250E COM MOTOR CUMMINS 6B ELETRÔNICO 5.9CIL, CAMINHÃO TITAN 17.310 COM MOTOR CUMMINS 6CTTA 8.3, MINIÔNIBUS COM MOTOR CUMMINS 6B ELETRÔNICO 5.9, TITAN COM MOTOR CUMMINS C **VOLVO** CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE 229, CAMINHÃO VM 17 23 COM MOTOR MWM SÉRIE X10

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2111-2X	18,13	13,91	12,60	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ
SC2111-STD	18,13	14,04	12,60		

APLICAÇÕES

DIVERSAS IVECO, MASSEY FERGUSON **FORD** CARGO, F100, F1000, F150 **LUCAS INDIEL** M93R **MERCEDES BENZ** SPRINTER **VOLKSWAGEN** CAMINHÕES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3001-2X	15,11	11,97	12,00	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ
SC3001-STD	15,11	12,09	12,00		

APLICAÇÕES

CHEVROLET-GM CORSA 1.6 EFI, CORSA POWERTECH 1.4, CORSA POWERTECH 1.6, TRAFFIC R352, TRAFFIC TA52 LUXO COM MOTOR 2000 AC APÓS 1990 **CITROËN** BERLINGO 1.8 4CC COM MOTOR XU7 **FIAT** ELBA 1.5, ELBA 1.6, FIORINO 1.5, FIORINO 1.6, PALIO, PALIO 1.5 8 VÁLVULAS, PALIO WEEKEND 1.5 8 VÁLVULAS, PRÊMIO 1.5, PRÊMIO 1.6, SIENA EL 1.5 8 VÁLVULAS, TIPO 1.6, TIPO 2.0, UNO 1.5, UNO 1.6, UNO 1.6 APÓS 1994 **FORD** ESCORT COM MOTOR ZETEC 1.8, ESCORT HOBBY 1.6 CHT, FIESTA 1.3 COM AR CONDICIONADO COM MOTOR ENDURA, FIESTA 1.3 SEM AR CONDICIONADO COM MOTOR ENDURA, FOCUS COM MOTOR ZETEC, HOBBY GL COM MOTOR CHT 1.6 APÓS 94, HOBBY L COM MOTOR CHT 1.6 APÓS 94, MONDEO 1.8, MONDEO 2.0, MONDEO COM MOTOR ZETEC, ORION COM MOTOR AUDI 2.0 (827), PAMPA, PAMPA 1.6 CHT, PAMPA COM MOTOR AP APÓS 1992, PICK-UP COM MOTOR CUMMINS 4.9, PICK-UP COM MOTOR CUMMINS 5.8 TIGER TUG (USA), PICK-UP F150 COM MOTOR CUMMINS 4.9, PICK-UP F150 COM MOTOR CUMMINS 5.8 TIGER TUG (USA), RANGER COM MOTOR DURATEC HR 2.3 A GASOLINA COM MOTOR AP APÓS 1992, VERONA COM MOTOR AUDI 2.0 (827), VERSAILLES, VERSAILLES COM MOTOR AP APÓS 1992 **NISSAN** MÁXIMA **PEUGEOT** 205, 306, 306 GASOLINA, 405, 405 DIESEL, 504, 505, PARTNER COM MOTOR XU7 4CIL 1.6, PARTNER COM MOTOR XU7 4CIL 1.9 **RENAULT** CLIO 1.6, EXPRESS 1.6 (C3L), GORDINI (6 VOLTS - 1969/71), R19 1.6 (C3L), TRAFIC COM MOTOR 2.0, TRAFIC T352 2.0 COM AR CONDICIONADO **VOLKSWAGEN** APOLLO 1.6 APÓS 1992, APOLLO 1.6 MOTOR AUDI 827 GIRO ANTI HORÁRIO, APOLLO 1.8 APÓS 1992, APOLLO 1.8 COM MOTOR AUDI 827 APÓS 1994, APOLLO 1.8 MOTOR AUDI 827 GIRO ANTI HORÁRIO, APOLLO 2.0 COM MOTOR AUDI 827 APÓS 1994, APOLLO AP APÓS 1992, GOL 1.0 COM MOTOR CHT 1.6 APÓS 1994, GOL 1.6 APÓS 1992, GOL 1.8 APÓS 1992, GOL 2.0 APÓS 1992, GOL AP APÓS 1992, GOL COM MOTOR AUDI 827 APÓS 1994, GOL COM MOTOR CHT 1.6, GOL COM MOTOR CHT 1.6 COM MOTOR CHT 1.6, GOLF 1.8 G I GASOLINA, LOGUS 1.6 APÓS 1992, LOGUS 1.6 MOTOR AUDI 827 GIRO ANTI HORÁRIO, LOGUS 1.8 APÓS 1992, LOGUS 1.8 COM MOTOR AUDI 827 APÓS 1994, LOGUS 1.8 MOTOR AUDI 827 GIRO ANTI HORÁRIO, LOGUS AP APÓS 1992, PARATI 1.6 APÓS 1992, PARATI 1.8 APÓS 1992, PARATI 2.0 APÓS 1992, PARATI AP APÓS 1992, PARATI COM MOTOR AUDI 827 APÓS 1994, PARATI COM MOTOR CHT 1.6, QUANTUM 1.6 APÓS 1992, QUANTUM 1.8 APÓS 1992, QUANTUM 2.0 APÓS 1992, QUANTUM AP APÓS 1992, QUANTUM COM MOTOR AUDI 827 APÓS 1994, SANTANA 1.6 APÓS 1992, SANTANA 1.8 APÓS 1992, SANTANA 2.0 APÓS 1992, SANTANA AP APÓS 1992, SANTANA COM MOTOR AUDI 827 APÓS 1994, SAVEIRO, SAVEIRO 1.6 APÓS 1992, SAVEIRO 1.6 COM MOTOR CHT 1.6 APÓS 1994, SAVEIRO 1.8 APÓS 1992, SAVEIRO 1.8 COM MOTOR AUDI 827 APÓS 1994, SAVEIRO 2.0 COM MOTOR AUDI 827 APÓS 1994, SAVEIRO AP APÓS 1992, SAVEIRO COM MOTOR CHT 1.6, VOYAGE 1.6 APÓS 1992, VOYAGE 1.8 APÓS 1992, VOYAGE 2.0 APÓS 1992, VOYAGE AP APÓS 1992, VOYAGE COM MOTOR AUDI 827 APÓS 1994, VOYAGE COM MOTOR CHT 1.6, VOYAGE COM MOTOR CHT 1.6 APÓS 1994

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3002-2X	14,32	11,04	16,55	PRESTOLITE - LUCAS INDIEL	LADO COLETOR
SC3002-STD	14,32	11,16	16,55		

APLICAÇÕES

FORD PAMPA COM MOTOR AP APÓS 1992, PAMPA MODELO NOVO, VERSAILLES COM MOTOR AP APÓS 1992, VERSAILLES MODELO NOVO **VOLKSWAGEN** APOLLO 1.8 COM MOTOR AUDI 827 APÓS 1994, APOLLO 2.0 COM MOTOR AUDI 827 APÓS 1994, APOLLO AP 1.6 APÓS 1992, APOLLO AP 1.8 APÓS 1992, GOL AP 1.6 APÓS 1992, GOL AP 1.8 APÓS 1992, GOL AP 2.0 APÓS 1992, GOL COM MOTOR AUDI 827 APÓS 1994, LOGUS 1.8 COM MOTOR AUDI 827 APÓS 1994, LOGUS AP 1.6 APÓS 1992, PARATI AP 1.6 APÓS 1992, PARATI AP 1.8 APÓS 1992, PARATI AP 2.0 APÓS 1992, PARATI COM MOTOR AUDI 827 APÓS 1994, QUANTUM AP 1.6 APÓS 1992, QUANTUM AP 1.8 APÓS 1992, QUANTUM AP 2.0 APÓS 1992, QUANTUM COM MOTOR AUDI 827 APÓS 1994, SANTANA AP 1.6 APÓS 1992, SANTANA AP 1.8 APÓS 1992, SANTANA AP 2.0 APÓS 1992, SANTANA COM MOTOR AUDI 827 APÓS 1994, SAVEIRO 1.8 COM MOTOR AUDI 827 APÓS 1994, SAVEIRO 2.0 COM MOTOR AUDI 827 APÓS 1994, SAVEIRO AP 1.6 APÓS 1992, SAVEIRO AP 1.8 APÓS 1992, VOYAGE AP 1.6 APÓS 1992, VOYAGE AP 1.8 APÓS 1992, VOYAGE AP 2.0 APÓS 1992, VOYAGE COM MOTOR AUDI 827 APÓS 1994

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3003-2X	14,30	11,03	17,08	PRESTOLITE - LUCAS INDIEL	
SC3003-STD	14,33	11,15	17,00		

APLICAÇÕES

FIAT UNO 1.6 APÓS 1994 **FORD** ESCORT GUARUJÁ GL COM MOTOR CHT 1.6 APÓS 94, ESCORT GUARUJÁ L COM MOTOR CHT 1.6 APÓS 94, ESCORT HOBBY GL COM MOTOR CHT 1.6 APÓS 94, ESCORT HOBBY L COM MOTOR CHT 1.6 APÓS 94 **RENAULT** TRAFFIC T352 COM MOTOR 2000 AC APÓS 1990, TRAFFIC TA52 LUXO COM MOTOR 2000 AC APÓS 1990 **VOLKSWAGEN** GOL COM CHT 1.6 APÓS 1994, SAVEIRO COM CHT 1.6 APÓS 1994, VOYAGE COM CHT 1.6 APÓS 1994

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3009-2X	18,14	14,94	18,95	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ / LADO COLETOR / INTERMEDIÁRIA
SC3009-STD	18,14	15,07	18,95		

APLICAÇÕES

DIVERSAS JOHN DEERE **FORD** F1000 MWM 4CC, F4000 MWM 4CC **RENAULT** TRAFFIC

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3010-2X	18,14	14,94	17,50	PRESTOLITE - LUCAS INDIEL	LADO MOTRIZ
SC3010-STD	18,14	15,07	17,50		

APLICAÇÕES

CHEVROLET-GM D20 **FORD** F1000 MWM 4CC, F4000 MWM 4CC **RENAULT** TRAFIC

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3013-2X	15,02	11,89	17,00	PRESTOLITE - LUCAS INDIEL	
SC3013-STD	15,02	12,02	17,00		

APLICAÇÕES

FORD CAMINHÃO C400, F1000 COM MOTOR EMAX ÁLCOOL, F1000 COM MOTOR EMAX GASOLINA, F300, F350, F600, SILVERADO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC1903-STD	9,03	6,03	10,30	VALEO	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

BMW 530I 3.0 (1992-1995), 530I TOURING 3.0 (1992-1996), 535I 3.5 (1996-2003), 540I 4.0 (1992-1995), 540I 4.0 TOURING (1993-1996), 540I 4.4 (1996-2003), 540I TOURING 4.4 (1997-2004), 730I/IL 3.0 (1991-1996), 735I/IL 3.5 (1994-2001), 740I/IL 4.0 (1991-1996), 740I/IL 4.4 (1996-2001), 840CI 4.4 (1994-1999), 840I 4.0 (1993-1996), M5 5.0 (1998-2003), X5 4.4 I (1999-2003), X5 4.5 IS (2002-2003), Z8 5.0 (2000-2003) **CITROEN** C3 (2010->), C4 (2010->) **DIVERSAS** AGRALE, CUMMINS, GM, JOHN DEERE, LAND ROVER, MASSEY- FERGUSON, MAXION, MB, PERKINS, VW **FORD** ECOSPORT (2014->), FIESTA (2014->), KA (2014->) **PEUGEOT** 207 (2010->), 208(2010->)

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2063-STD	7,03	4,04	7,10	VALEO	PLANETÁRIA

APLICAÇÕES

CHEVROLET-GM ASTRA, CORSA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2199-STD	9,03	6,03	7,00	VALEO	LADO MOTRIZ

APLICAÇÕES

RENAULT LAGUNA, MEGANE, NEVADA, R19

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2200-STD	10,01	6,04	10,00	VALEO	LADO COLETOR

APLICAÇÕES

RENAULT LAGUNA, MEGANE, NEVADA, R19

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2201-STD	11,81	8,03	8,00	VALEO	LADO COLETOR

APLICAÇÕES

VOLKSWAGEN FOX, FOX1.0L16V, FOX1.6L, GOLF, GOLF1.6L, GOLG51.0L, GOLG51.6L, POLO1.0L16V, POLO1.6L, POLOSEDAN1.0L16V, POLOSEDAN1.6L, SAVEIRO1.0L, SAVEIRO1.6L, SPACEFOX1.0L, SPACEFOX1.6L, VOYAGE1.0L, VOYAGE1.6L

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2202-STD	33,03	26,03	13,80	VALEO	LADO COLETOR

APLICAÇÕES

VOLKSWAGEN FOX 1.0L 16V, FOX 1.6L, GOL G5 1.0L, GOL G5 1.6L, GOLF 1.6L, POLO 1.0L 16V, POLO 1.6L, POLO SEDAN 1.0L 16V, POLO SEDAN 1.6L, SAVEIRO 1.0L, SAVEIRO 1.6L, SPACEFOX 1.0L, SPACEFOX 1.6L, VOYAGE 1.0L, VOYAGE 1.6L

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2207-STD	11,11	9,04	11,00	VALEO	LADO MOTRIZ

APLICAÇÕES

CHEVROLET-GM CELTA 1.0, CELTA 1.4, CORSA CLASSIC, CORSA GL, CORSA GSI, CORSA WIND

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2244-STD	25,02	19,52	6,00	VALEO	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

FIAT DUCATO **HYUNDAI** H100, HR **MERCEDES-BENZ** SPRINTER 311 CDI, SPRINTER 313 CDI **RENAULT** MASTER **VOLKSWAGEN** AMAROK 2.0 TDI

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2245-STD	10,01	7,01	8,00	VALEO	INTERMEDIÁRIA DA PLANETÁRIA

APLICAÇÕES

FIAT DUCATO **HYUNDAI** ACCENT 1.5 CRDI, H100, HR **KIA** BONGO K2700, CEE´D 1.5, SORENTO 2.5 TURBO DIESEL **MERCEDES-BENZ** SPRINTER 311 CDI;SPRINTER 313 CDI **RENAULT** MASTER **VOLKSWAGEN** AMAROK 2.0 TDI

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2272-STD	18,00	14,00	5,50	VALEO	

APLICAÇÕES

NISSAN MARCH **PEUGEOT** 206 **RENAULT** CLIO, LOGAN, SANDERO

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2287-STD	24,02	20,02	6,00	VALEO	

APLICAÇÕES

HYUNDAI H100, HR **KIA** BONGO K2500

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2294-STD	31,00	26,00	10,00	VALEO	LADO MOTRIZ

APLICAÇÕES

VOLKSWAGEN FOX1.0L16V, FOX1.6L, GOLF1.6L, GOLG51.0L, GOLG51.6L, POLO1.0L16V, POLO1.6L, POLOSEDAN1.0L16V, POLOSEDAN1.6L, SAVEIRO1.0L, SAVEIRO1.6L, SPACEFOX1.0L, SPACEFOX1.6L, VOYAGE1.0L, VOYAGE1.6L

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3483-STD	11,01	8,02	10,00	VALEO	

APLICAÇÕES

RENAULT CLIO, DUSTER, LOGAN, SANDERO, SYMBOL

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC3498-STD	9,00	6,03	9,05	VALEO	

APLICAÇÕES

FORD ECOSPORT, FOCUS, NEW FIESTA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC010-STD	27,05	15,93	11,02		

APLICAÇÕES

OBSERVAÇÕES Bucha aplicada no eixo piloto **DIVERSAS** HYSTER

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC032-STD	40,02	17,07	12,70		

APLICAÇÕES

OBSERVAÇÕES Bucha aplicada no eixo piloto **CHEVROLET-GM** OPALA

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC043-STD	27,80	15,04	19,20		

APLICAÇÕES

OBSERVAÇÕES Bucha aplicada no eixo piloto **FORD** F-400, F-600, F-700, FT-700

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2023-STD	22,10	18,04	7,20		PLANETÁRIA

APLICAÇÕES

OBSERVAÇÕES Substitui rolamento

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2204-STD	15,11	10,03	13,00		LADO COLETOR

APLICAÇÕES

CLARK EMPILHADEIRAS **HYSTER** EMPILHADEIRAS **MITSUBISHI** EMPILHADEIRAS **YALE** EMPILHADEIRAS

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2205-STD	21,31	19,13	9,50		INTERMEDIÁRIA

APLICAÇÕES

CLARK EMPILHADEIRAS **HYSTER** EMPILHADEIRAS **MITSUBISHI** EMPILHADEIRAS, MOTORES

REFERÊNCIA	ø Ext.	ø Int.	Altura	FABRICANTE	POS. APLICAÇÃO
SC2208-STD	16,52	12,83	19,30		LADO MOTRIZ

APLICAÇÕES

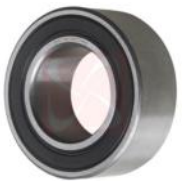
CASE MX **DIVERSAS** VALTRA **NEW HOLLAND** SÉRIE TM 135, SÉRIE TM 150, SÉRIE TM 160

SULCARBON

ROLAMENTOS

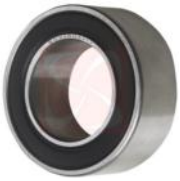
REFERÊNCIA
SC188068
ø Externo: 36,50
ø Interno: 29,50
Altura: 13,50

Tipo: Agulha
Rolamento para motor de partida



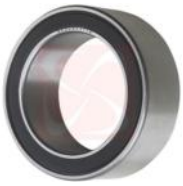
REFERÊNCIA
SC30BD40
ø Externo: 55,00
ø Interno: 30,00
Altura: 23,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C



REFERÊNCIA
SC30BD5222
ø Externo: 52,00
ø Interno: 30,00
Altura: 22,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C

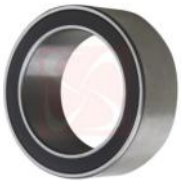


REFERÊNCIA
SC32BD4718
ø Externo: 47,00
ø Interno: 32,00
Altura: 18,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C

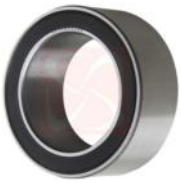
REFERÊNCIA
SC35BD219
ø Externo: 55,00
ø Interno: 35,00
Altura: 20,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C



REFERÊNCIA
SC35BD5020
ø Externo: 50,00
ø Interno: 35,00
Altura: 20,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C



REFERÊNCIA
SC35BD5222
ø Externo: 52,00
ø Interno: 35,00
Altura: 22,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C

REFERÊNCIA
SC40BD219
ø Externo: 62,00
ø Interno: 40,00
Altura: 24,00

Tipo: Esfera
Vedação: Dupla c/ borracha
Rolamento para Compressores de A/C

REFERÊNCIA
SC6001-2RS
ø Externo: 28,00
ø Interno: 12,00
Altura: 8,00

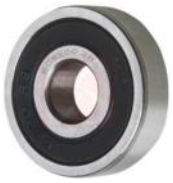
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6002-2RS
ø Externo: 32,00
ø Interno: 15,00
Altura: 9,00

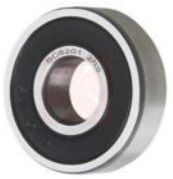
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6003 T1
ø Externo: 35,00
ø Interno: 16,98
Altura: 10,00
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6003-2RS
ø Externo: 35,00
ø Interno: 17,00
Altura: 10,00
Tipo: Esfera
Vedação: Dupla c/ borracha



REFERÊNCIA
SC6200-2RS
ø Externo: 30,00
ø Interno: 10,00
Altura: 9,00
Tipo: Esfera
Vedação: Dupla c/ borracha

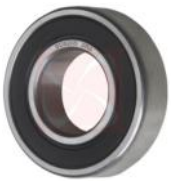


REFERÊNCIA
SC6201-2RS
ø Externo: 32,00
ø Interno: 12,00
Altura: 10,00
Tipo: Esfera
Vedação: Dupla c/ borracha

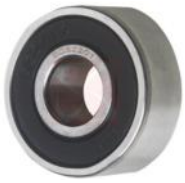
REFERÊNCIA
SC6202-2RS
ø Externo: 35,00
ø Interno: 15,00
Altura: 11,00
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6203-2RS
ø Externo: 40,00
ø Interno: 17,00
Altura: 12,00
Tipo: Esfera
Vedação: Dupla c/ borracha

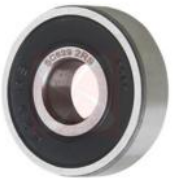
REFERÊNCIA
SC6204-2RS
ø Externo: 47,00
ø Interno: 20,00
Altura: 14,00
Tipo: Esfera
Vedação: Dupla c/ borracha



REFERÊNCIA
SC6205-2RS
ø Externo: 52,00
ø Interno: 25,00
Altura: 15,00
Tipo: Esfera
Vedação: Dupla c/ borracha



REFERÊNCIA
SC62201
ø Externo: 32,00
ø Interno: 12,00
Altura: 14,00
Tipo: Esfera
Vedação: Dupla c/ borracha



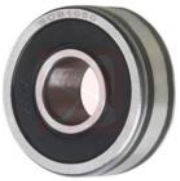
REFERÊNCIA
SC629-2RS
ø Externo: 26,00
ø Interno: 9,00
Altura: 8,00
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6301-2RS
ø Externo: 37,00
ø Interno: 12,00
Altura: 12,00
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SC6303-2RS
ø Externo: 47,00
ø Interno: 17,00
Altura: 14,00
Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCB1027
ø Externo: 27,00
ø Interno: 10,00
Altura: 14,00

Tipo: Esfera
Vedação: Dupla c/ borracha

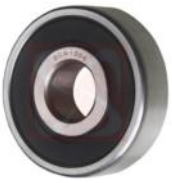


REFERÊNCIA
SCB1050
ø Externo: 27,00
ø Interno: 10,00
Altura: 11,00

Tipo: Esfera
Vedação: Dupla c/ borracha

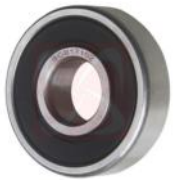
REFERÊNCIA
SCB1569
ø Externo: 35,00
ø Interno: 15,00
Altura: 13,00

Tipo: Esfera
Vedação: Dupla c/ borracha



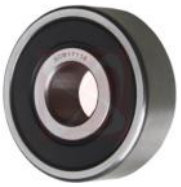
REFERÊNCIA
SCB1586
ø Externo: 47,00
ø Interno: 15,00
Altura: 14,00

Tipo: Esfera
Vedação: Dupla c/ borracha



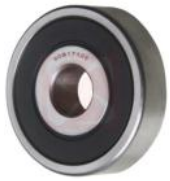
REFERÊNCIA
SCB17102
ø Externo: 47,00
ø Interno: 17,00
Altura: 14,00

Tipo: Esfera
Vedação: Dupla c/ borracha



REFERÊNCIA
SCB17116
ø Externo: 52,00
ø Interno: 17,00
Altura: 18,00

Tipo: Esfera
Vedação: Dupla c/ borracha



REFERÊNCIA
SCB17126
ø Externo: 62,00
ø Interno: 17,00
Altura: 17,60

Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCB17127
ø Externo: 62,00
ø Interno: 17,00
Altura: 20,00

Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCB1799
ø Externo: 52,00
ø Interno: 17,00
Altura: 17,00

Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCB823 D
ø Externo: 23,00
ø Interno: 8,00
Altura: 14,00

Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCB885-D
ø Externo: 23,00
ø Interno: 8,00
Altura: 14,00

Tipo: Esfera
Vedação: Dupla c/ borracha

REFERÊNCIA
SCHK28.2X35.2X14.8
ø Externo: 35,20
ø Interno: 28,20
Altura: 14,80

Tipo: Agulha
Rolamento para motor de partida

TABELA DE MEDIDAS DE BUCHAS

ORDEM CRESCENTE DE DIÂM. INTERNO

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

REFERENCIA	Externo(mm)	Interno(mm)	Altura(mm)
SC2063-STD	7,03	4,04	7,10
SC3503-STD	8,02	5,02	8,00
SC3439-STD	8,02 (11,00)	5,03	7,00
SC3447-STD	7,02	5,03	5,00
SC2022-STD	9,01	5,04	10,30
SC2324-STD	10,01	6,01	8,50
SC1903-STD	9,03	6,03	10,30
SC3498-STD	9,00	6,03	9,05
SC2199-STD	9,03	6,03	7,00
SC3445-STD	10,02	6,03	6,50
SC1978-STD	10,02	6,04	10,40
SC2198-STD	8,81 (10,80)	6,04	11,60
SC2200-STD	10,01 (13,70)	6,04	10,00
SC2076-STD	10,04	6,04	9,94
SC1902-STD	10,03	6,12	8,10
SC2146-STD	9,02	6,33	6,50
SC3471-STD	11,01	6,72	6,03
SC2245-STD	10,01	7,01	8,00
SC3485-STD	9,51 (13,00)	7,02	11,00
SC1904-STD	12,03	7,04	12,65
SC2145-STD	12,02	7,05	7,00
SC1963-2X	11,01	7,89	11,00
SC1101-2X	11,07	7,99	7,95
SC2258-STD	12,51	8,01	10,00
SC2320-STD	12,01	8,01	10,00
SC2259-STD	12,51	8,01	8,00
SC3460-STD	12,01	8,01	8,00
SC1963-STD	11,01	8,02	11,00
SC3483-STD	11,01 (16,00)	8,02	10,00
SC2201-STD	11,81	8,03	8,00
SC1871-STD	11,07	8,04	9,95
SC3475-STD	13,01	8,06	8,00
SC2139-STD	11,98	8,10	10,40
SC1101-STD	11,07	8,12	7,95
SC2024-STD	11,10	8,12	10,45
SC1779-STD	11,00	8,46	11,00
SC2147-STD	11,62	8,71	16,00
SC2333-STD	13,03	9,02	10,00
SC2207-STD	11,11	9,04	11,00
SC3035-3X	14,06	9,82	9,90
SC3036-3X	14,06	9,88	14,00
SC2047-2X	13,06	9,94	13,90
SC3036-2X	14,06	9,95	14,00
SC1040-2X	14,06	9,95	9,90
SC3035-2X	14,06	9,95	9,90
SC2238-STD	14,11	10,01	13,00
SC2072-STD	14,02	10,02	10,20
SC1846-STD	14,03	10,03	14,00
SC2203-STD	16,02	10,03	10,00
SC2204-STD	15,11	10,03	13,00
SC2210-STD	14,73	10,03	13,00
SC2206-STD	13,11 (16,70)	10,04	12,00
	28,05	10,06	8,00
SC3448-STD	28,05	10,06	8,00
SC1261-STD	16,57 (18,80)	10,07	14,90
SC2047-STD	13,06	10,07	13,90
SC3036-STD	14,06	10,07	14,00
SC1040-STD	14,06	10,07	9,90
SC3035-STD	14,06	10,07	9,90
SC1913-STD	11,49	10,09	10,30
SC2298-STD	15,01	10,15	10,30
SC074-3X	13,58	10,79	13,85
SC074-2X	13,58	10,92	13,85
SC3477-STD	14,71	11,02	10,00
SC3003-2X	14,30	11,03	17,08
SC3002-2X	14,32 (23,68)	11,04	16,55
SC1724-2X	14,31	11,07	13,40
SC074-STD	13,58	11,07	13,85
SC3003-STD	14,33	11,15	17,00
SC3002-STD	14,32 (23,68)	11,16	16,55
SC1724-STD	14,32	11,22	13,55
SC3012-2X	13,45	11,54	27,00
SC3012-STD	13,54	11,66	27,00
SC096-3X	13,21	11,70	13,10
SC013-3X	13,21	11,71	17,85
SC094-3X	14,99	11,74	11,10
SC080-3X	16,13	11,81	14,05
SC082-3X	14,21	11,81	14,30
SC093-3X	14,11	11,83	13,90
SC096-2X	13,21	11,84	13,10
SC013-2X	13,21	11,84	17,85
SC094-2X	14,99	11,87	11,10
SC3011-2X	16,04	11,89	16,55
SC3013-2X	15,02	11,89	17,00
SC080-2X	16,13	11,94	14,05
SC082-2X	14,21	11,94	14,20
SC2194-STD	16,04	11,94	10,00
SC1730-2X	15,13	11,95	12,00
SC093-2X	14,11	11,96	13,90
SC013-STD	13,21	11,96	17,85
SC096-STD	13,21	11,96	13,10
SC1100-2X	15,60	11,97	5,45
SC3001-2X	15,11	11,97	12,00
SC1016-STD	14,98	11,99	18,50
SC094-STD	14,99	12,00	11,10
SC1199-STD	16,00	12,00	9,50
SC2243-STD	17,00	12,00	15,00
SC3011-STD	16,04	12,01	16,55

REFERENCIA	Externo(mm)	Interno(mm)	Altura(mm)
SC2239-STD	16,01	12,01	13,50
SC2246-STD	16,01	12,01	12,10
SC3013-STD	15,02	12,02	17,00
SC3469-STD	16,01	12,02	6,00
SC1856-STD	16,00	12,04	9,50
SC2300-STD	18,02	12,04	16,00
SC3450-STD	16,04 (19,50)	12,04	13,00
SC1828-STD	15,11	12,04	15,10
SC080-STD	16,13	12,06	14,05
SC1730-STD	15,13	12,08	12,00
SC2144-STD	15,12 (20,00)	12,09	15,00
SC2166-STD	14,21	12,09	10,00
SC082-STD	14,21	12,09	14,30
SC3001-STD	15,11	12,09	12,00
SC1100-STD	15,60	12,10	5,45
SC093-STD	14,11	12,12	13,90
SC3005-3X	16,52	12,26	10,50
SC067-3X	16,54	12,27	18,00
SC014-3X	16,55	12,30	11,40
SC3005-2X	16,52	12,39	10,50
SC3017-2X	16,52	12,39	10,50
SC067-2X	16,54	12,40	18,00
SC014-2X	16,55	12,43	11,40
SC1001-3X	15,91	12,51	18,10
SC1008-STD	16,53	12,52	14,00
SC3470-STD	16,01	12,52	14,92
SC3497-STD	16,52	12,52	6,00
SC067-STD	16,54	12,55	18,00
SC014-STD	16,55	12,55	11,40
SC3005-STD	16,52	12,56	10,50
SC3017-STD	16,52	12,56	10,50
SC2208-STD	16,52	12,83	19,30
SC2111-2X	18,13	13,91	12,60
SC3033-2X	17,05	13,95	15,95
SC2272-STD	18,00	14,00	5,50
SC2058-STD	20,03	14,01	11,50
SC2231-STD	20,16	14,01	10,90
SC2209-STD	18,02	14,02	14,00
SC3500-STD	18,02	14,02	7,80
SC085-3X	17,99	14,03	19,00
SC004-3X	17,61	14,03	18,25
SC1774-STD	18,13	14,04	19,00
SC2111-STD	18,13	14,04	12,60
SC009-3X	15,95	14,05	18,85
SC3033-STD	17,05	14,07	15,95
SC2234-STD	16,02	14,09	18,00
SC004-2X	17,61	14,16	18,25
SC085-2X	17,99	14,16	19,00
SC009-2X	15,95	14,18	18,85
SC885-2X	19,14	14,29	18,95
SC004-STD	17,61	14,29	18,25
SC009-STD	15,95	14,30	18,85
SC1227-STD	17,97	14,32	19,00
SC085-STD	17,99	14,35	19,00
SC885-STD	19,14	14,41	18,95
SC3009-2X	18,14	14,94	18,95
SC3010-2X	18,14	14,94	17,50
SC2057-2X	18,14	14,94	13,40
SC3478-STD	18,41	15,02	11,00
SC043-STD	27,80	15,04	19,20
SC2057-STD	18,14	15,07	13,40
SC3009-STD	18,14	15,07	18,95
SC3010-STD	18,14	15,07	17,50
SC089-3X	19,54	15,49	9,90
SC089-2X	19,54	15,62	9,90
SC008-3X	19,14	15,70	14,25
SC089-STD	19,54	15,75	9,90
SC008-2X	19,14	15,82	14,25
SC1916-STD	20,67	15,90	18,90
SC524-2X	19,18	15,91	19,10
SC2309-STD	24,02	15,91	18,90
SC010-STD	27,05	15,93	11,02
SC008-STD	19,14	15,95	14,25
SC3538-STD	19,17	16,00	22,35
SC524-STD	19,18	16,04	19,10
SC032-STD	40,02	17,07	12,70
SC1187-STD	22,38	17,25	30,00
SC2276-STD	20,81	17,51	7,35
SC2277-STD	22,81	17,51	10,00
SC3476-STD	21,00	17,55	6,00
SC3540-STD	22,34	17,58	28,45
SC095-3X	21,19	17,65	14,30
SC095-2X	21,19	17,78	14,30
SC2211-STD	22,43	17,83	9,00
SC3008-2X	22,11	17,89	6,80
SC2056-2X	22,11	17,89	8,20
SC095-STD	21,19	17,90	14,30
SC1870-STD	22,11	17,99	5,65
SC1909-STD	22,11	17,99	6,10
SC2217-STD	22,04	18,00	5,60
SC2056-STD	22,11	18,02	8,20
SC3008-STD	22,11	18,02	6,80
SC2283-STD	22,00	18,03	8,10
SC2023-STD	22,10	18,04	7,20
SC3348-STD	22,11	18,09	8,00
SC084-3X	22,79	18,56	19,00
SC084-2X	22,79	18,69	19,00
SC084-STD	22,79	18,83	19,00

TABELA DE MEDIDAS DE BUCHAS

ORDEM CRESCENTE DE DIÂM. INTERNO

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

REFERENCIA	Externo(mm)	Interno(mm)	Altura(mm)
SC068-3X	25,13	18,84	12,90
SC090-3X	23,09	18,85	9,90
SC068-2X	25,13	18,91	12,90
SC471-STD	22,27	18,97	14,50
SC090-2X	23,09	18,97	9,90
SC2313-STD	23,01	19,01	6,10
SC2235-STD	23,02	19,02	17,00
SC2286-STD	21,52	19,02	6,00
SC1726-STD	23,05	19,02	13,05
SC1905-STD	22,32	19,04	6,05
SC090-STD	23,09	19,10	9,90
SC068-STD	25,13	19,11	12,90
SC2205-STD	21,31	19,13	9,50
SC2244-STD	25,02	19,52	6,00
SC2287-STD	24,02	20,02	6,00
SC1188-2X	24,47	20,88	33,00
SC2081-STD	25,04	21,06	11,90
SC1052-2X	24,32	21,09	25,00
SC1052-STD	24,32	21,22	25,00
SC3541-STD	24,45	21,32	31,75
SC1811-STD	24,46	21,35	22,45
SC2048-2X	25,91	21,73	12,00
SC2048-STD	25,91	21,86	12,00
SC2336-STD	27,12	21,86	10,50
SC091-3X	28,09	21,87	11,20
SC1915-STD	28,07	21,93	16,00
SC091-2X	28,09	22,00	11,20
SC2334-STD	27,02	22,01	9,00
SC1824-STD	28,07	22,11	8,90
SC091-STD	28,09	22,13	11,20
SC2197-STD	26,92	22,27	5,50
SC1060-2X	25,73	22,48	24,95
SC1060-STD	25,75	22,64	25,00
SC2293-STD	32,00	25,00	12,00
SC2294-STD	31,00	26,00	10,00
SC2202-STD	33,03	26,03	13,80
SC2295-STD	35,02	28,02	16,00
SC3025-3X	32,30	28,16	11,00
SC3025-3X COM RETENTOR	32,30	28,16	11,00
SC3025-2X	32,30	28,29	11,00
SC3025-2X COM RETENTOR	32,30	28,29	11,00
SC3025-STD	32,30	28,39	11,00
SC3025-STD COM RETENTOR	32,30	28,39	11,00
SC3508-STD	35,26	28,56	16,00
SC092-3X	48,06	39,84	10,40
SC092-2X	48,06	39,97	10,40
SC092-STD	48,06	40,09	10,40

TABELA DE COMPOSIÇÃO

ESCOVAS POR PORTA-ESCOVAS

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

REFERENCIA	COMPOSIÇÃO
A-002-12V	DX-175/176-12V
A-101-12V	X-28-171/173
A-102-12V	X-213/13 ESPECIAL, X-213/13 ESPECIAL POSITIVA, X-213/13, X-213/13 POSITIVA
A-103-12V	X-213/13 ESPECIAL POSITIVA, X-213/15 ESPECIAL
A-104-12V	BSX-433-12V
A-105-12V	BSX-592-12V, BSX-561-12V
A-106-12V	X-213/21-12V
A-108-12V	FX-217
A-109-12V	FX-220
A-110-12V	X-213/11, X-213/11 POSITIVA, X-213/9
A-111-12V	X-213/15 ESPECIAL, X-213/15 ESPECIAL POSITIVA
A-112-24V	BSX-433-24V
A-113-24V	BSX-592-24V, BSX-561-24V
A-114-24V	X-213/21-24V
A-115-12V	BSX-161/162-E, BSX-161/162
A-116-12V	BSX-161/162-D, BSX-161/162
A-117-12V	BSX-161/162-E, BSX-161/162
A-118-12V	BSX-161/162-D, BSX-161/162
A-119-12V	BSX-161/162-D, BSX-161/162
A-120-12V	RX-135
A-121-24V	RX-135H
A-122-12V	RX-134
A-123-24V	RX-134H
A-124-24V	X-213/EMP-24V
A-125-12V	UFSX-125
A-126-12V	UFSX-126, BSX-159/160
A-127-12V	BSX-157/158-E
A-128-12V	UFSX-128
A-129-12V	UFSX-129
A-130-12V	JSX-31/32
A-131-12V	BSX-151
A-132-12V	BSX-151
A-133-12V	DX-157/158
A-134-24V	DX-419/420
A-135-12V	HISX-8128
A-136-24V	X-213/21-24V
A-137-12V	UFSX-137
A-138-12V	PSX-148/149
A-139-12V	JSX-31/32
A-140-12V	JSX-35/36
A-141-12V	JSX-35/36
A-142-12V	FJSX-189-12V
A-144-12V	FJSX-190-12V
A-145-24V	FJSX-190-24V
A-146-12V	FJSX-001/002-12V
A-147-24V	FJSX-001/002-24V
A-148-12V	DX-142
A-149-12V	DX-03
A-151-12V	BSX-137/143
A-152-12V	BSX-134/144
A-154-12V	NDSX-8225
A-155-12V	FJSX-8313
A-156-12V	FJSX-8312
A-157-12V	FJSX-8311
A-158-12V	FJSX-8317
A-159-12V	X-28-171/173
A-160-12V	X-28-171/173
A-161-24V	FTSX-128-24V
A-162-12V	BSX-192/193
A-164-12V	BSX-192/193
A-165-24V	BSX-190/191-24V
A-166-24V	BSX-172/173
A-167-24V	RX-70
A-168-24V	RX-70
A-169-12V	NDSX-8216-12V
A-170-24V	NDSX-8216-24V
A-171-12V	PSX-155/0, PSX-155
A-172-12V	PSX-148/149
A-173-12V	PSX-155/0, PSX-155/0
A-176-12V	FX-220
A-177-12V	FX-177
A-178-12V	FJSX-8326/0
A-181-12V	DX-173-12V
A-182-24V	DX-173-24V
A-183-12V	BSX-165-C
A-184-12V	RX-135
A-185-24V	RX-135H
A-186-12V	PSX-142/144
A-187-24V	FJSX-1171-24V
A-188-24V	RX-124H
A-189-12V	RX-124
A-190-24V	DX-175/176-24V
A-191-12V	DX-153-12V
A-192-24V	DX-153-24V
A-193-12V	DX-140, DX-140-C
A-194-12V	UFSX-1194, BSX-157/158
A-195-24V	UFSX-195-24V
A-196-12V	UFSX-196-12V
A-201-12V	X-213/EMP-12V
A-202-12V	JSX-35/36
A-203-12V	PSX-155, PSX-155/0
A-204-12V	PSX-155/0, PSX-155/0
A-205-12V	HISX-8128-LONGA
A-210-12V	X-210-12V
A-211-12V	X-SP-102
A-213-12V	IKSX-96-12V
A-216-12V	BSX-161/162
A-217-12V	BSX-161/162

REFERENCIA	COMPOSIÇÃO
A-218-12V	BSX-161/162
A-219-12V	BSX-161/162
A-220-12V	RX-122
A-221-C-12V	RX-60
A-223-12V	BSX-157/158
A-224-12V	BSX-159/160
A-225-12V	BSX-159/160
A-226-12V	BSX-159/160
A-239-12V	BSX-190/191-12V
A-240-24V	BSX-157/158
A-241-12V	DX-175/176-12V
A-244-24V	FJSX-1171-24V
A-246-12V	IKSX-96-12V
A-257-24V	FJSX-1171-24V
A-296-12V	IKSX-96-12V
A-327-12V	NDSX-8222
A-336-12V	IKSX-336-12V
A-752-12V	IKSX-752
B-201-12V	BX-162
B-202-12V	X-403-1, X-403-2
B-203-12V	X-ML-262/12-E, X-ML-262/12
B-204-24V	BX-162-A
B-205-12V	X-ML-262/12-E, RX-130
B-206-12V	X-403-1, X-403-2
B-212-12V	BX-172-R
B-216-12V	UFX-2216
B-219-12V	RX-118
B-220-12V	RX-130, X-ML-262/12
D-601-12V	X-LIMPADOR BOSCH OPALA
D-602-12V	X-LIMPADOR BOSCH VOLKS
D-603-12V	UFX-6603
D-608-12V	EVCUX-01-12V
D-610-12V	EVCUX-01-12V
M-901-12V	CBSX-100
M-903-12V	UFSX-9903
M-905-12V	UFSX-9905
M-906-12V	UFSX-9905

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POR NOME DO PRODUTO

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

REFERENCIA	MARCA	PÁGINA
PORTA-ESCOVAS: MOTORES DE PARTIDA		
A-001-24V	MITSUBISHI	68
A-002-12V	DELCO-REMY	32
A-003-12V	MAGNETI MARELLI	64
A-005-24V	BOSCH - WAPSA	7
A-006-12V	VALEO	79
A-007-12V	FORD / MOTORCRAFT	54
A-008-12V	DENSO	45
A-009-12V	DENSO	45
A-010-12V	VALEO	79
A-011-24V	ISKRA	59
A-012-12V	BOSCH - WAPSA	7
A-013-12V	BOSCH - WAPSA	7
A-014-12V	BOSCH - WAPSA	7
A-015-12V	MERCURY	67
A-016-12V	EFFA	54
A-017-12V	BOSCH - WAPSA	8
A-018-12V	BOSCH - WAPSA	8
A-019-12V	BOSCH - WAPSA	8
A-020-12V	BOSCH - WAPSA	8
A-021-12V	BOSCH - WAPSA	8
A-022-12V	BOSCH - WAPSA	9
A-023-12V	HITACHI	56
A-024-12V	VALEO	79
A-025-12V	BOSCH - WAPSA	9
A-026-12V	DELCO-REMY	32
A-027-12V	DELCO-REMY	32
A-028-12V	DENSO	45
A-029-12V	DENSO	45
A-030-12V	DENSO	46
A-032-12V	COMSTAR	32
A-033-12V	MITSUBA	68
A-034-12V	BOSCH - WAPSA	9
A-035-12V	MITSUBISHI	69
A-036-12V	COMSTAR	32
A-037-12V	BOSCH - WAPSA	9
A-038-12V	DELCO-REMY	33
A-039-12V	BOSCH - WAPSA	10
A-040-12V	HITACHI	56
A-041-12V	BOSCH - WAPSA	10
A-042-12V	DELCO-REMY	33
A-043-12V	DENSO	46
A-044-12V	HITACHI	57
A-045-12V	ISKRA	59
A-046-12V	VALEO	79
A-047-24V	BOSCH - WAPSA	10
A-048-24V	MAHLE	67
A-049-12V	MITSUBISHI	69
A-050-12V	DENSO	46
A-051-48V	DIVERSOS	53
A-052-24V	DENSO	46
A-053-24V	NIKKO	77
A-054-12V	BOSCH - WAPSA	10
A-055-24V	BOSCH - WAPSA	11
A-101-12V	BOSCH - WAPSA	11
A-102-12V	BOSCH - WAPSA	11
A-103-12V	BOSCH - WAPSA	12
A-104-12V	BOSCH - WAPSA	12
A-105-12V	BOSCH - WAPSA	12
A-106-12V	BOSCH - WAPSA	12
A-108-12V	FORD / MOTORCRAFT	54
A-109-12V	FORD / MOTORCRAFT	54
A-110-12V	BOSCH - WAPSA	13
A-111-12V	BOSCH - WAPSA	13
A-112-24V	BOSCH - WAPSA	13
A-113-24V	BOSCH - WAPSA	13
A-114-24V	BOSCH - WAPSA	14
A-115-12V	BOSCH - WAPSA	14
A-115-B-12V	BOSCH - WAPSA	14
A-116-12V	BOSCH - WAPSA	14
A-116-B-12V	BOSCH - WAPSA	15
A-117-12V	BOSCH - WAPSA	15
A-117-B-12V	BOSCH - WAPSA	15
A-118-12V	BOSCH - WAPSA	16
A-118-B-12V	BOSCH - WAPSA	16
A-119-12V	BOSCH - WAPSA	16
A-119-B-12V	BOSCH - WAPSA	16
A-120-12V	DELCO-REMY	33
A-121-24V	DELCO-REMY	34
A-122-12V	DELCO-REMY	34
A-123-24V	DELCO-REMY	34
A-124-24V	BOSCH - WAPSA	17
A-125-12V	BOSCH - WAPSA	17
A-126-12V	BOSCH - WAPSA	17
A-127-12V	BOSCH - WAPSA	17
A-128-12V	BOSCH - WAPSA	18
A-129-12V	BOSCH - WAPSA	18
A-130-12V	PRESTOLITE - LUCAS INDIEL	77
A-131-12V	BOSCH - WAPSA	18
A-132-12V	BOSCH - WAPSA	19
A-133-12V	DELCO-REMY	35
A-134-24V	DELCO-REMY	35
A-135-12V	PRESTOLITE - LUCAS INDIEL	78
A-136-24V	BOSCH - WAPSA	19
A-137-12V	FORD / MOTORCRAFT	55
A-138-12V	VALEO	79
A-139-12V	MAGNETI MARELLI	65
A-140-12V	MAGNETI MARELLI	65
A-141-12V	MAGNETI MARELLI	65
A-142-12V	MITSUBISHI	69
A-143-24V	MITSUBISHI	70
A-144-12V	MITSUBISHI	70
A-145-24V	MITSUBISHI	70
A-146-12V	MITSUBISHI	71
A-147-24V	MITSUBISHI	71
A-148-12V	DELCO-REMY	36
A-149-12V	DELCO-REMY	36
A-150-24V	BOSCH - WAPSA	19
A-151-12V	BOSCH - WAPSA	19
A-152-12V	BOSCH - WAPSA	20
A-153-12V	DENSO	47
A-154-12V	DENSO	47
A-155-12V	MITSUBISHI	71
A-156-12V	MITSUBISHI	72
A-157-12V	MITSUBISHI	72
A-158-12V	MITSUBISHI	73
A-159-12V	MITSUBISHI	73
A-160-12V	MITSUBISHI	73
A-161-24V	DENSO	48
A-162-12V	BOSCH - WAPSA	20
A-163-12V	VALEO	80
A-164-12V	BOSCH - WAPSA	21
A-165-24V	BOSCH - WAPSA	21
A-166-24V	BOSCH - WAPSA	21
A-167-24V	DELCO-REMY	36
A-168-24V	DELCO-REMY	36
A-169-12V	DENSO	48
A-170-24V	DENSO	49
A-171-12V	VALEO	80
A-172-12V	VALEO	80
A-173-12V	VALEO	81
A-174-12V	BOSCH - WAPSA	21
A-175-12V	BOSCH - WAPSA	22
A-176-12V	FORD / MOTORCRAFT	55
A-177-12V	FORD / MOTORCRAFT	55
A-178-12V	MITSUBISHI	74
A-179-12V	MITSUBISHI	74
A-180-12V	HITACHI	57
A-181-12V	DELCO-REMY	37
A-182-24V	DELCO-REMY	37
A-183-12V	FORD / MOTORCRAFT	56
A-184-12V	DELCO-REMY	38
A-185-24V	DELCO-REMY	38
A-186-12V	VALEO	81
A-187-24V	MITSUBISHI	74
A-188-24V	DELCO-REMY	38
A-189-12V	DELCO-REMY	39
A-190-24V	DELCO-REMY	39
A-191-12V	DELCO-REMY	39

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POR NOME DO PRODUTO

SULCARBON
IND. E COMÉRCIO DE PEÇAS SINTERIZADAS LTDA.

REFERENCIA	MARCA	PÁGINA
A-192-24V	DELCO-REMY	40
A-193-12V	DELCO-REMY	40
A-194-12V	BOSCH - WAPSA	22
A-195-24V	PRESTOLITE - LUCAS INDIEL	78
A-196-12V	PRESTOLITE - LUCAS INDIEL	78
A-197-12V	BOSCH - WAPSA	22
A-198-6V	BOSCH - WAPSA	22
A-199-12V	MITSUBA	68
A-200-12V	MITSUBISHI	75
A-201-12V	BOSCH - WAPSA	23
A-202-12V	MAGNETI MARELLI	66
A-203-12V	VALEO	82
A-204-12V	VALEO	82
A-205-12V	HITACHI	57
A-207-12V	VALEO	82
A-208-12V	DENSO	49
A-209-12V	DENSO	49
A-210-12V	BOSCH - WAPSA	23
A-211-12V	DENSO	50
A-212-12V	DENSO	50
A-213-12V	ISKRA	59
A-214-12V	HITACHI	57
A-215-12V	HITACHI	58
A-216-12V	MITSUBA	68
A-217-12V	BOSCH - WAPSA	23
A-218-12V	BOSCH - WAPSA	24
A-219-12V	BOSCH - WAPSA	24
A-220-12V	DELCO-REMY	40
A-221-12V	DELCO-REMY	40
A-221-C-12V	DELCO-REMY	41
A-222-12V	BOSCH - WAPSA	24
A-223-12V	BOSCH - WAPSA	24
A-224-12V	BOSCH - WAPSA	25
A-225-12V	BOSCH - WAPSA	25
A-226-12V	BOSCH - WAPSA	26
A-227-12V	BOSCH - WAPSA	26
A-228-12V	DELCO-REMY	42
A-229-12V	VALEO	82
A-230-12V	DELCO-REMY	43
A-231-12V	MITSUBISHI	75
A-232-12V	VALEO	83
A-233-24V	BOSCH - WAPSA	26
A-234-12V	MITSUBISHI	75
A-235-24V	BOSCH - WAPSA	27
A-238-12V	BOSCH - WAPSA	27
A-239-12V	BOSCH - WAPSA	27
A-240-24V	BOSCH - WAPSA	28
A-241-12V	DELCO-REMY	43
A-242-12V	DENSO	51
A-244-24V	MITSUBISHI	76
A-246-12V	MAGNETI MARELLI	66
A-251-12V	BOSCH - WAPSA	28
A-253-12V	DELCO-REMY	43
A-254-12V	DENSO	51
A-255-12V	PRESTOLITE - LUCAS INDIEL / MARELLI	77
A-257-24V	MITSUBISHI	76
A-258-12V	ISKRA	59
A-268-12V	BOSCH - WAPSA	28
A-287-12V	VALEO	83
A-296-12V	ISKRA	60
A-297-12V	VALEO	83
A-298-12V	DELCO-REMY	44
A-299-24V	ISKRA	60
A-300-12V	ISKRA	60
A-302-12V	BOSCH - WAPSA	29
A-303-12V	VALEO	84
A-304-12V	VALEO	84
A-306-12V	BOSCH - WAPSA	29
A-307-12V	BOSCH - WAPSA	29
A-311-12V	BOSCH - WAPSA	29
A-312-24V	HITACHI	58
A-318-12V	DENSO	51
A-319-12V	MAGNETI MARELLI	66
A-320-24V	MAGNETI MARELLI	66
A-321-12V	MAGNETI MARELLI	67
A-322-12V	VALEO	84
A-323-12V	DENSO	51
A-326-12V	VALEO	84
A-327-12V	DENSO	52
A-330-12V	MAGNETI MARELLI	67
A-335-12V	MITSUBISHI	76
A-336-12V	ISKRA	61
A-337-24V	MITSUBISHI	76
A-339-12V	DIVERSOS	54
A-341-12V	DENSO	52
A-344-12V	DENSO	53
A-346-12V	DELCO-REMY	44
A-347-12V	BOSCH - WAPSA	30
A-349-24V	DENSO	53
A-350-12V	VALEO	84
A-351-12V	DELCO-REMY	44
A-353-12V	FORD / MOTORCRAFT	56
A-355-12/24V	ISKRA	62
A-356-12V	VALEO	85
A-357-12V	DELCO-REMY	44
A-358-12V	VALEO	85
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