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EDITION

2016/2017

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New parts  
Nouveaux produits

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# INHALTSVERZEICHNIS - INDEX - SOMMAIRE

ERSATZTEILE FÜR STARTER  
COMPONENTS FOR STARTERS  
PIECES DE RECHANGE POUR DEMARREURS

**PART 1**

	Seite - Page	
<b>1. KOHLEBÜRSTEN</b> CARBON BRUSHES BALAIS EN CHARBON	1 - 70	
<b>2. BÜRSTENHALTER UND BÜRSTENHALTER-KITS</b> BRUSH-HOLDERS AND BRUSHHOLDER-KITS PORTE-CHARBONS ET KITS PORTE-CHARBONS	71 - 136	
<b>3. STARTERRITZEL</b> STARTER DRIVES LANCEURS DE DEMARREUR	137 - 162	
<b>4. PLANETENGETRIEBE</b> PLANETARY GEARS COURONNE AXE REDUCTEUR	163 - 174	
<b>5. ERSATZTEILE FÜR GETRIEBESTARTER</b> COMPONENTS FOR GEAR STARTERS PIECES DE RECHANGE POUR DEMARREURS A REDUCTEUR	175 - 190	
<b>6. SINTERBUCHSEN</b> BUSHINGS BAGUES	191 - 206	
<b>7. NADELLAGER</b> NEEDLE BEARINGS ROULEMENTS A AIGUILLES	207 - 218	
<b>8. REPARATURSÄTZE UND BUCHSENSÄTZE</b> REPAIRKITS AND BUSHING-KITS KITS DE REPARATION ET JEUX DES BAGUES	219 - 234	
<b>9. VERSCHIEDENE STARTERTEILE</b> VARIOUS STARTER PARTS DIVERSES PIECES DE DEMARREURS	235 - 252	

# INHALTSVERZEICHNIS - INDEX - SOMMAIRE

ERSATZTEILE FÜR ALTERNATOREN  
COMPONENTS FOR ALTERNATORS  
PIECES DE RECHANGE POUR ALTERNATEURS

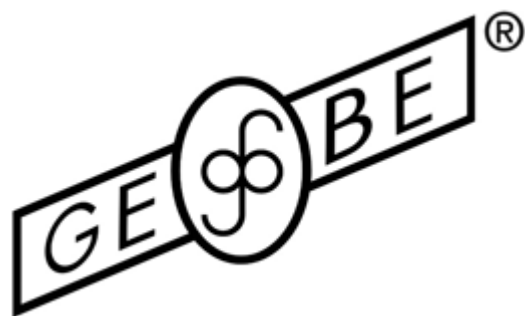
**PART 2**

	Seite - Page	
<b>10. KOHLEBÜRSTEN</b> CARBON BRUSHES BALAIS EN CHARBON	253 - 280	
<b>11. BÜRSTENHALTER / REGLER</b> BRUSH-HOLDERS / REGULATORS PORTE-CHARBONS / REGULATEURS	281 - 292	
<b>12. SCHLEIFRINGE</b> SLIPRINGS BAGUES COLLECTRICES	293 - 302	
<b>13. FREILAUFRIEMENSCHLEIBEN</b> OVERRUNNING PULLEYS POULIES ROUE LIBRE D' ALTERNATEURS	303 - 362	
<b>14. KUGELLAGER</b> BEARINGS ROULEMENTS	363 - 380	
<b>15. ABDECKKAPPEN</b> COVERS CAPOTS ALTERNATEURS	381 - 388	
<b>16. VERSCHIEDENE ALTERNATORTEILE</b> VARIOUS ALTERNATOR PARTS DIVERSES PIECES DE ALTERNATEURS	389 - 398	

INFORMATION

**PART 3**

	Seite - Page	
<b>17. ABMESSUNGEN</b> SURVEY CLASSEMENT PAR ALESAGES	399 - 404	
<b>18. TECHNISCHE INFORMATIONEN</b> TECHNICAL INFORMATION INFORMATION TECHNIQUES	405 - 410	
<b>19. VERGLEICHSLISTE</b> CROSS REFERENCES LISTE DE CORRESPONDANCE ENTRE LES REFERENCES	411 - 479	



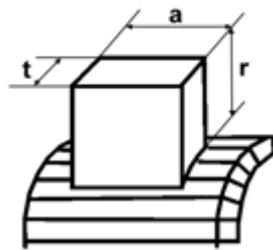
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KOHLEBÜRSTEN

CARBON BRUSHES

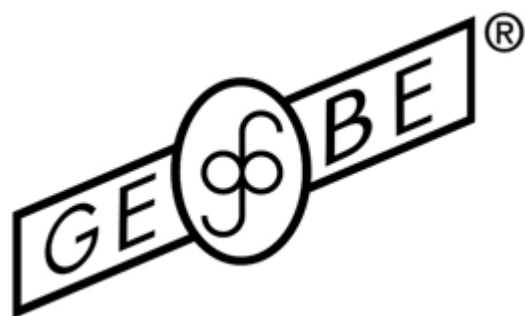
BALAIS EN CHARBON










Starter

t x a x r  
10 x 20 x 20mm









	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 12</b>				
	<b>P/N 0 1100 1</b>	Bosch	1 007 014 100 2 007 014 007		0 001 354 006,12,16,18,25-27,29,31,33,34,36, 038,42,48,55,62,64,68,70,73,74,77, 079-96,98-100,3,6,8,9,13
	4-BS 12		2 004 320 006	9 x 13 x 25,5	0 001 355 012 356 001 363 001 9 000 143 200,1 EJB,EJC,EJD1.6/1.8 kw JD (R/L) 6/12 Volt
	<b>BSX 33</b>				
	<b>P/N 0 1102 1</b>	Bosch	2 007 014 020 1 007 014 106		0 001 400 016,401051 401 051 BNG 2,5/12 4/12 Volt
	4-BS 33		2 004 320 066	9 x 20 x 28,5	
	<b>BSX 34</b>				
	<b>P/N 0 1103 1</b>	Bosch	2 007 014 021 1 007 014 107		0 001 401 071 402 001,7-9,11,12,18,23,34,41,43,44,50, 052-61,65,66,68,69,71,72,74,75,77, 079-81, BNG, KG(R) 4/24 Volt
	4-BS 34		2 004 320 068,087	9 x 20 x 28,5	
	<b>BSX 35</b>				
	<b>P/N 0 1104 1</b>	Bosch	2 007 014 013,047 1 007 014 109		0 001 401 002,4-7,11,13,15,17,26-29,35-37,39, 041,43-47,49-53,57,60-62,66-71,73 KG(R) 3.0 kw 12 Volt
	4-BS 35		2 004 320 091,098	12 x 20 x 28,5	
	<b>BSX 39</b>				
	<b>P/N 0 1105 1</b>	Bosch	2 007 014 002		0 001 355 009,11,13,15-17,19,20 EJD 1,8/24 24 Volt
	4-BS 39		2 004 320 008	9 x 13 x 25,5	
	<b>BSX 43 (4)</b>				
	<b>P/N 0 1106 1</b>	Bosch	1 007 014 101,123 1 107 014 110		0 001 203 005,8-11,16,19 204 005 205 003,5,7,9,10,12,13,15,17 217 001 304 002,10,12,13,16,19,23 305 001,2,8,10-13,16 306 011,13 307 004,7-12,14-17,19-22,24,25 309 001 312 001 EED 0,5/6 0,8/12 EGD 0,5/6 0,8/12 EGE 1.0/1.3/12 6/12 Volt
	4-BS 43		1 004 320 059	7 x 16 x 22	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 44 (4)</b> <b>P/N 0 1107 1</b>	Bosch	2 007 014 006,009,037 9 001 454 386	8 x 22 x 22,5	0 001 356 003 358 005,10,14,17,18,20,21,23,26-28, 033,35,37,38,40,41,46-51,90
	4-BS 44		2 004 320 074,080,085		EJD 3/12 JD(R) 3.2 kw 12 Volt
	<b>BSX 70</b> <b>P/N 0 1121 1</b>	Bosch	2 007 014 018 1 007 014 128	7 x 14 x 16	0 001 155 016,017 157 001-4,6,7,13-16,18,21-25,27-30
	4-BS 70		2 004 320 026,098 1 004 320 902		9 000 141 101,3,4,7,8,11-16,100 334 101-104 DF(L/R) 0.6PS/0.7kw DD(R) 0.5PS/0.6kw DF(L/R) 0.6-0.7kw 12 Volt
	<b>BSX 74</b> <b>P/N 0 1123 1</b>	Bosch	2 007 014 000,024 1 007 014 102,103	7 x 14 x 17,5	0 001 100 003,004 101 004 102 003-006,009
	4-BS 74		2 004 320 043,044		104 005,007 105 002,003 154 001,005,007 155 001-004,006,008-010,014-016 157 010 158 001,002,008,009 9 000 141 000-004,006-010,013,015,017,018 DC(L/R) 0.5kw DD(L/R) 0.6kw DF(R)L) 0.65kw 12 Volt
	<b>BSX 75</b> <b>P/N 0 1124 1</b>	Bosch	2 007 014 026,027,031,034 1 007 014 126,131-133	7 x 10 x 18	0 001 207 001,018, 208 004,08,25, 039-41,44,49,51-54,100,101 200-5,6,8-11,13,14,16-21,23-29,32,33 403-409,11-23,25-29, 211 200,1,4-9,10,13-25,27-29,33-36,39,41-49, 251-55,57-59,86,88, 986-93,95-96,97,98 212 006-8,11,13,204-14,400-3 213 003,4 9 000 142 001-003,14,100-102, 333 105,112,115,116,118,119 EF(R/L) 0,7/0,8/12 EF(L/R) 0.7-0.95 kw 12 Volt
	4-BS 75		1 004 320 076,126,900 2 004 320 172,173,180		
	<b>BSX 76</b> <b>P/N 0 1125 1</b>	Bosch	1 007 014 119,121,127,129,134 1 107 014 126	7 x 16 x 18	0 001 207 001-3,5-7,9,10,13,15-20 0 001 208 004,6,7,9-12,17-19,23,25,29, 032, 033,36-38,46-50,54,55 056,058,059,061 209 014 211 005,016,017,129 212 002,3,5,6,12 214 001,002 215 001,002 217 001 310 002,5,7-11,16,18,43,46,47, 049,50,116,120 311 008,10,13,19,23,25,28-32,34-37,45,47, 050-052,054-056,100,103,105,107,108, 112-115,118,120-128,130,131,133-146, 147,149-152 312 100-102,104-107,110,111 313 006,007 314 001,003-006,008-018,022,024-049 317 005,006 EF,EEF(L/R) 0,7/0,8/12, GF(R) 1/12 EF(L/R)6/12 0.5-0.85 kw GF(L/R) 6/12 0.5-1.70 kw 12 Volt
	4-BS 76		1 004 320 071,082,127, 1 004 320 901,903		











	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 93</b> <b>P/N 0 1130 1</b>	Bosch 2 007 014 016 2 004 320 122,125,127	9 x 16 x 25,5	0 001 363 001,101 JF(R)2.8PS/2.6kw 24 Volt
		<b>BSX 96</b> <b>P/N 0 1132 1</b>	Bosch 2 007 014 044,050,052 2 007 014 056,064 2 004 320 220	10 x 25 x 23	0 001 358 200-2 359 001-4,6-8,10-14,16,18-21,23-41, 043-51,53-69,71-76,81-92,94-102 104-114,117-119,122,124 365 004-008 9 000 143 107,1099-111 JD(R) 3.0/3.7kw,4PS 12 Volt
		<b>BSX 100</b> <b>P/N 0 1136 1</b>	Bosch 2 007 014 049,051,078 2 004 320 217	8 x 25 x 23	0 001 360 002,3,7,8-10,12-19,22-27,29-45, 047-51,54-61,63-65 364 100,108,200-206 416 015 417 060 9 000 143 300-305,501 JD(R) 4.0/4.8/5.2/5.4/6.6kw 24 Volt
		<b>BSX 102</b> <b>P/N 0 1138 1</b>	Bosch 2 007 014 019,053 2 004 320 124,126	9 x 16 x 25,5	0 001 357 002, 362 001-009,011-017,019, 021-025,027-030,0320,33 9 000 143 400,402,404-407,409 JF 2.0/2.4 kw 12 Volt
		<b>BSX 104</b> <b>P/N 0 1140 1</b>	Bosch 2 007 014 038,054,055 1 007 014 038,112-114, 1 007 014 117,118,122 2 007 014 030 1 004 320 082,125,127,154 Replacement for BSX 59 (2) IKA P/N 0 1112 1	7 x 16 x 18	0 001 208 001,009,013,014,024-026,030-033, 058,059,061 0 001 209 014 0 001 211 001-006,010,012,013,016-018, 020-026 0 001 212 002,005,006 0 001 215 001 0 001 217 001 0 001 311 001,007,014,016,020-024,026, 027,028,030,032,038,039,045,048 0 001 313 001,003,005 9 000 042 027 EF/GF(R) 0.85 kw 1 PS 12V EF(L/R) 0.7/0.8 kw 12V EB(L),EEF 0.8 kw 12V
		<b>BSX 134-144</b> <b>P/N 0 1147 1</b>	Bosch 2 007 014 062 2 004 320 101 2 004 320 102 Alternative Brush Set	10 x 25 x 17 10 x 25 x 17 BSX 155 wo. terminal	0 001 367 001-18,20-46,48,50,51,54-59,61-64, 066-68 9 000 143 410,12,15,16,19 JF(R) 3.0 kw 12 Volt






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 135-145</b> <b>P/N 0 1148 1</b>	Bosch	2 007 014 063		0 001 368 001-088 300-321 300-321 369 011 9 000 143 600-04 JF(R) 4.0 kw 24 Volt
	2-BS 135 2-BS 145		2 004 320 103 2 004 320 104	8 x 25 x 17 8 x 25 x 17	
			Replacement for BSX 198-199		
	<b>BSX 137-143</b> <b>P/N 0 1149 1</b>	Bosch	2 007 014 065,068		0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105 300-332,600-607,700-705 366 001-00,008-022,024-029, 9 000 143 203,204,408,411,413,414,420 JF(L/R) 1.9-2.7 kw 12 Volt
	2-BS 137 2-BS 143		2 004 320 294,296 2 004 320 295,297	9 x 16 x 17 9 x 16 x 17	
			Alternative Brush Set	BSX 139 w/o. terminal	
	<b>BSX 138-142</b> <b>P/N 0 1150 1</b>	Bosch	2 007 014 035,058,069		0 001 363 003-5,7,9,13,16 103-128 JF(L) 3.2 kw JF(R) 2.6/3.2 kw 24 Volt
	2-BS 138 2-BS 142		2 004 320 298 2 004 320 299	9 x 16 x 15,5 9 x 16 x 15,5	
	<b>BSX 139</b> <b>P/N 0 1151 1</b>	Bosch	2 007 014 040,057 1 007 014 130		0 001 305 010 315 002,004,005 GD 1.0/12 Volt GF (L/R) 1.6/1.9 kw
	4-BS 139		2 004 320 038	9 x 16 x 17	
			Alternative Brush-Set	BSX 137-143 with terminal	
	<b>BSX 140</b> <b>P/N 0 1152 1</b>	Bosch	1 007 014 138		0 001 208 516,710 211 514 312 108,9 317 007-13,16-19,22-25 GF(R) 1,7 KW 12 Volt
	4-BS 140		1 004 320 910	7 x 16 x 15	
			Alternative Brush Set	BSX 152 w/o. clip	
	<b>BSX 146</b> <b>P/N 0 1154 1</b>	Bosch	1 007 014 137		0 001 211 500-505,7,10,11 525-30,38 EF(L/R) 0.8 kw 12 Volt
	4-BS 146		1 004 320 911	7 x 10 x 14	
			limited stock use alternative brush set	BSX 149 w/o. clip	






# KOHLEBÜRSTEN CARBON BRUSHES















# BOSCH






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 147</b> <b>P/N 0 1155 1</b>	Bosch Caterpillar	2 007 014 067 3T0844  2 004 320 017	10 x 36 x 27	0 001 420 001-15,24-29 3T4583,6 Caterpillar KE(R) 7,5 KW 24 Volt
	<b>BSX 148</b> <b>P/N 0 1156 1</b>	Bosch	2 007 014 008,048,061, 2 007 014 070,074  2 004 320 285  Alternative Brush Set	12 x 36 x 27  BSX 172-173	0 001 410 029,062 416 001-40,42-77 417 001-74 KB(L/R) 5.4-6.6 kw KB(L/R) 5.4-6.6 kw 24 Volt
	<b>BSX 149</b> <b>P/N 0 1157 1</b>	Bosch	1 007 014 139,141,145  1 004 320 101,102,103  Alternative Brush Set	7 x 10 x 14  BSX 146 with clip	0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36 9 000 333 104,06,09,14,17,20,21 EF(L/R) 5.4-6.6 kw 12 Volt
	<b>BSX 151</b> <b>P/N 0 1158 1</b>	Bosch	1 007 014 143  1 004 320 912 9 003 334 315, 338  Alternative Brush Set	7,5 x 18 x 17/19  BSX 151/0 w/o. clip	0 001 218 001-29,100-178 6 033 AB1 J00 9 000 331 201,203 401,2,5-9,11-15,17-28,30-33 EB(L/R) 1.9/2.2.4 kw EV(L/R) 1.9/2.2/2.4 kw 12 Volt
	<b>BSX 151/0</b> <b>P/N 0 1159 1</b>	Bosch	1 007 014 143 w/o. clip  1 004 320 112  Alternative Brush Set	7,5 x 18 x 17/19  BSX 151 with clip	
	<b>BSX 152</b> <b>P/N 0 1162 1</b>	Bosch	1 007 014 144  1 004 320 106  Alternative Brush Set	7 x 16 x 15  BSX 140 with clip	0 001 317 014,15,20,21 GF(L) 1.7 kw 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 155</b>			
		<b>P/N 0 1164 1</b> Bosch	2 007 014 071		0 001 369 001,003 JF(R) 3.1kw 12 Volt
		2-BS 155	2 004 320 135,137	10 x 25 x 15	
		2-BS 155L	2 004 320 136,149 insulated	10 x 25 x 15	
			Alternative Brush Set for	BSX 134-144 BSX 163-164 with terminals	
		<b>BSX 157-158</b>			
		<b>P/N 0 1165 1</b> Bosch			0 001 109 001-008,11,12,14,15,17, 018,21-23,25,26,28-31, 033-036,40-45,47-49,52, 055,56,59-63 200,201,253 110 001-005,07-15,17-19,22-33 39-49,51,53,55-71,73,75-85, 88-90,92,95,98-102,104-107, 110-15,20,22-29,32,999 115 001,002 124 004,015,020,021 125 001,002,005,006,009,010,012, 013,016-019,021,022, 501-04,07,08,12,13,17,602 F 000 AL0 105,107,108 F 010 AL0 101 DB/DW (L) 1,7 KW DW (R) 1,6-2,1 KW 12 Volt
		2-BS 157	1 004 320 135,143,148,166,218	6 x 18 x 13/14,5	
		2-BS 158	1 004 320 134,142,149,165,219	6 x 18 x 13/14,5 flex 4.0 mm <sup>2</sup>	
			Brush-Holder: 1 004 336 228,233,257,279, 301,359,361,367,393, 394,400,401,402,404, 405,407-410,412,413, 422,425,429-431,437, 438,440,445-448,450, 454-456,458-461,463, 465,466,468,472,719, 720,729-732,734-739, 741,742,777-779,804, 807,808,819,826,829, 835,836,839,840,845, 847-849,860,868,871, 875,877,881,909,908, 909,914,924-927, 931-933,942,945-949, 955,956,958,959,962, 976,981,983,984,988, 990,991,994,996,997, 999		
		<b>BSX 157-158K</b>			
		<b>P/N 0 1167 1</b> Bosch			0 001 115 002,05-09,11-13,16,17,24 123 001 DW (R/L) 1,7 KW R74-E10 (R/L) 12 Volt
		2-BS 157K	1 004 320 171,174,221,222	6 x 18 x 11/12,5	
		2-BS 158K	172,173,220,223	6 x 18 x 11/12,5 flex 4.0 mm <sup>2</sup>	
			Brush-Holder: 1 004 336 396,414,424,452,453, 470,471,722,743,763, 803,824,852,867		
		<b>BSX 159-160</b>			
		<b>P/N 0 1166 1</b> Bosch			0 001 108 001-05,09-13,16-33,35,37-40, 42-48,50-54,56-66,68-100, 101-41,43-56,58-60,62, 166-78,80-84,86,88,89,97,99 996-999 111 001-05 9 000 694 038,048 F 000 AL0 126 F 002 G20 049,052,101,141,449,500,592, 639 F 005 M00 005,006,010,011,013,016,021 F 010 AL0 101,103 DV (L) 1.2 kw 12 Volt DW (R/L) 1,1-1,4 KW 12 Volt R74L 12V(R)
		2-BS 159	1 004 320 133,140,146,167, 224,226	5 x 16 x 11,5/13 flex 4.0 mm <sup>2</sup>	
		2-BS 160	1 004 320 132,141,147,168, 225,227	5 x 16 x 11,5/13 flex 4.0 mm <sup>2</sup>	
			Brush-Holder: 1 004 336 300,318,337,343,362, 363,374-376,403,411, 418,419,423,426,436, 442,443,457,464,467, 733,740,747,748,762, 772,806,811,812,816, 823,832,837,850,859, 902-904,907,911-913, 918,919,921-923, 934-936,941,944,950, 954,960,961,965,968, 971,973,974,986,995, 998 F 002 G20 616 F 004 A36 001		




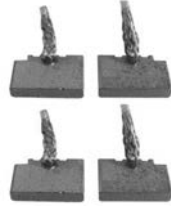

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 163-164</b> <b>P/N 0 1168 1</b>	Bosch 2 007 014 073,076		0 001 367 001,04,05,07-10,12,13,15,17, 018,21-24,26,28,29,30,32-34, 039,42,44-47,49,50,52-54,58, 061,63,65,66,68-82
	2-BS 163 2-BS 164	2 004 320 108,198 2 004 320 109,199	10 x 25 x 15 10 x 25 x 15	300-03, 369 002,04-07,12-25, 200,01
		Alternative Brush Set	BSX 155 w/o. terminal	9 000 143 416 JF(R) 3.0/3.1/3.6 kw 12 Volt
	<b>BSX 165</b> <b>P/N 0 1169 1</b>	Bosch 9 003 337 001		0 001 219 001-017,112 9 000 331 201,203
	4-BS 165	9 003 334 321	7,5 x 18 x 17/19	332 401,402,405,406 EV (R/L) 2,5 KW 24 Volt
	<b>BSX 166</b> <b>P/N 0 1173 1</b>	Bosch		0 001 112 003-29,32-39,41,44,45 113 001-15,17
	4-BS 166	1 004 320 136/F 000 AL1 658 mono brush	5 x 12 x 11,6	114 003-06,08-10,14-17,20-22 133 003,04
		Brush-Holder: 1 004 336 217,302 815,17,34,43,44,46,65 915-17,28,39,40,43,52 953,63,67,69,92,93		9 000 081 003,09,10 9 000 695 004-009 F 000 AL0 300-302,400,401 F 010 AL0 301 DA (L/R) 0,9 KW DM (R/L) 0,8-1,0 KW 12 Volt
		9 000 081 094 F 000 AL1 013,054,055,061,326, 483,532,917-919 AL2 034-036,109 F 004 A36 004-006 A95 002		
	<b>BSX 170-171</b> <b>P/N 0 1171 1</b>	Bosch 2 007 014 077, 085		0 001 364 300,301,400,402 372 001-008
	2-BS 170 2-BS 171	2 004 320 196, 165 2 004 320 197, 166	10 x 25 x 15 10 x 25 x 15	JD(R) 5,2 KW JE(R) 6,2 KW JF(R) 4,8 KW 24 Volt
		Brush-Holder: 2 004 336 066,085-087		
	<b>BSX 172-173</b> <b>P/N 0 1172 1</b>	Bosch 2 007 014 079		0 001 410 029,62 416 001-19,22-24,26-33, 035-40,42-53,56,57, 059-66,68-80,83
	2-BS 172 2-BS 173	2 004 320 244 2 004 320 245	12 x 36 x 19 12 x 36 x 19	417 001,02,05-07,10,11,13, 014,16,17,20,22-31,33, 035-38,41-45,47,48, 050-59,61-66,68,69, 071-74,77-80, 418 004-06,08,10
		Replacement for	BSX 148	KB(R) 3.6/5.4/5.5/6.6 kw 24 Volt



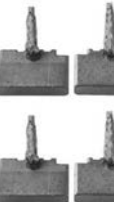

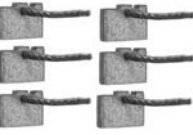
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 172-173-174</b> <b>P/N 0 1194 1</b> Bosch Volvo			0 001 417 075,076 1547049 1556955 3095060 3964839 KB (R) 6,6 KW 24 Volt
	2-BS 172 1-BS 173 1-BS 174	2 007 014 084 3093273  2 004 320 244 2 004 320 245 2 004 320 249	12 x 36 x 19 12 x 36 x 19 12 x 36 x 21	
	<b>BSX 175-176</b> <b>P/N 0 1175 1</b> Bosch			0 001 106 011,12,14-20,22-26, 107 003-12,14-34,37-41,43-49, 052-56,58-64,66-80,82,83, 085,87-98,100,101 121 001-03,06-11,16-19,22,23 9 000 081 001, 04,06,07 9 000 694 007,017,022,029,035,041,044,047, 051-053 F 002 G20 318 F 004 A94 009,010 DB/DW (L) 1,1 KW DB/DW (R) 0,9-1,2 KW R74-M35 12V(R) 12 Volt
	2-BS 175 2-BS 176	1 004 320 154,156,169,214 1 004 320 155,157,170,215  Brush-Holder: 1 004 336 201,219,239,309, 314,320,321,326, 332,368,382,391, 392,397,415-417, 420,421,427,428, 432-435,444,451, 462,469,801,809, 810,813,814,820, 821,827,828,830, 831,833,841,842, 851,853,937,938, 951,957,964,970, 975,980,985,987, 989 F 004 A36 002,003	5 x 12 x 10,9/11,6 5 x 12 x 10,9/11,6 flex 2.5 mm <sup>2</sup>	
	<b>BSX 177</b> <b>P/N 0 1174 1</b> Bosch			0 001 371 004-010,012-20 9 000 453 064,65,68 T 144 GA JE(R) 6,0 /6.7 kw 24 Volt
	4-BS 177	2 007 014 082 9 001 453 644  2 004 320 271  Brush Holder 2 004 336 077,078	9 x 36 x 18	
	<b>BSX 178-179</b> <b>P/N 0 1176 1</b> Bosch			0 001 418 001-003,009,012,014,015,017 KB(R) 3,6 KW 12 Volt MB Unimog
	2-BS 178 2-BS 179	2 007 014 080  2 004 320 240 2 004 320 241	12 x 36 x 19 12 x 36 x 19	
	<b>BSX 184-185</b> <b>P/N 0 1088 1</b> Bosch			0 001 107 401-415,417,418,421-443, 446-453,456,460-462,474, 478,479,508,509,514, 529-531,534,535 121 402,403,408-413,422,423, 427-430,435,436,443,444 9 001 107 434 F 002 G20 485,594,669 F 004 A94 000,001,401,410,434,441,449 DW(R/L) 1,1 KW 12 Volt R70-M10,15,25,35,45(R) RF70-M15,25 (R/L)
	2-BS 184 2-BS 185	1 004 320 163,200 1 004 320 164,201  Brush-Holder: 1 004 336 502,505,510,519,525, 526,534,542,547,580, 583,593,600,607,608, 630,632,636,655,702, 703,711,718,723,789, 791,866,887,896	4,6 x 12 x 10,5/11,2 4,6 x 12 x 10,5/11,2 flex 2.5 mm <sup>2</sup>	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 186</b>				
	<b>P/N 0 1179 1</b>	Bosch	2 007 014 014,017		0 001 510 001-003,005,008-010,017-028, 030-036,038-041
	4-BS 186		2 004 320 176,178	12 x 40 x 27	512 001,002 QB / QF(R) 9.0 kw 24 Volt
	<b>BSX 186-187</b>				
	<b>P/N 0 1180 1</b>	Bosch	2 007 014 083		0 001 510 029,037
	3-BS 186		2 004 320 176	12 x 40 x 27	QB(R) 9,0 KW 24 Volt
	1-BS 187		2 004 320 177	12 x 40 x 27	
	<b>BSX 190-191</b>				
	<b>P/N 0 1183 1</b>	Bosch			0 001 231 001-14,16-19,23, 024,26-30,32-36,45
	2-BS 190		9 003 334 359, 6 033 AD4 030	6,4 x 25 x 15.4/16.4	EV(R) 4.0 kw
	2-BS 191		9 003 334 360, 6 033 AD4 029	6,4 x 25 x 15.4/16.4	HE95-M 24Volt
			Brush Holder:		
			6 033 AD0 130,156,380,383,471 6 033 AD4 026,054,161,180 9 003 334 363		
			Stator Frame:		
			6 033 AD0 128,151,152,189,473 AD4 064,092-094,098,099 107-110,177		
	<b>BSX 192-193</b>				
	<b>P/N 0 1184 1</b>	Bosch			0 001 218 602,20,703,10-12,15,16,19,22, 725,28,30,35-38,40-42,54,57-59
	2-BS 192		6 033 AD0 011	6.2 x 22 x 13 / 15	763-68,70-72,74,76,77
	2-BS 193		6 033 AD0 012	6.2 x 22 x 13 / 15	805,08,09,12,14-22
			6 033 AD1 158,626		0 001 223 001-14,16,18,19,21,22,56
			6 033 AD1 159,627		500-507
			Brush Holder:		EV(L/R) 2,3 kw
			6 033 AD0 014,159-161,221,368, 401,404,407,409,411, AD1 155,244,246,250,252, 255,259,294,311,349, 350		EV(R) 2,6 kw 12 Volt
			Stator Frame:		
			6 033 AD0 007,162-164,223, 225,311,412 AD1 108-110,245,248, 249,251,254,256,260, 301,313,327,351,381 313,327,351,381 AD2 002		
	<b>BSX 194-195</b>				
	<b>P/N 0 1186 1</b>	Bosch			0 001 230 001,07-10,14,18,20-24,26,27
	2-BS 194		9 003 334 361,6 033 AD3 196	7,5 x 27 x 15,4/16,4	EV(R) 3.0 kw
	2-BS 195		9 003 334 362,6 033 AD3 197	7,5 x 27 x 15,4/16,4	HE95-M 12V(R) 12 Volt
			Brush Holder:		
			6 033 AD0 166,370,374, AD3 022,042,058 9 003 334 368		
			Stator Frame:		
			6 033 AD0 167,170,244		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 196</b> <b>P/N 0 1187 1</b> Bosch	1 004 320 158 mono brush  Brush Holder: 1 004 336 822,838,854,856,861 F 000 AL1 921, F 000 AL2 050-052	5 x 8.5 x 10.5/11.5	0 001 116 001,003-006,008,009 DM(R/L) 0.7 kw 12 Volt
	<b>BSX 197</b> <b>P/N 0 1170 1</b> Bosch	2 007 014 072  2 004 320 270  Brush Holder: 2 004 336 079	9 x 36 x 18	0 001 370 001-004 9 000 453 029,065-067 JE(R) 5.0 kw 12 Volt
	<b>BSX 200-201</b> <b>P/N 0 1188 1</b> Bosch	2-BS 200 2-BS 201  1 004 320 175,210 1 004 320 176,211  Brush Holder: 1 004 336 272,410,503,507, 508,514,516-518, 524,532,538,548, 549-551,555,556, 559,563,569-571, 573,575,578,597, 654,701,709,714, 725,726,739, 750-752,756,757, 774,780,781,783, 787,800,872,877, 884,885,891, 893-895 1 007 010 124,135 Kit F 002 G20 430,522,743	6 x 18 x 12.7/14.2 6 x 18 x 12.7/14.2 flex 2.5 mm <sup>2</sup>	0 001 109 057-60,68,202-205,250, 302-305,340,341,389,390 110 071,072,086,087,118,119 124 001-008,011-014,022-025 125 003,004,007,008,011 6 004 AA3 014 F 000 AL0 115 F 002 G20 292,359,385,430,516,550,618, 622,672,795,806 F 004 A94 002 DB/DW(L) 1.7-2.0 kW DB/DW(R) 1.7/2.2 kW R78-M10,15,28,45,55 12V(R) RF78-L30 12V(L)  VW overload protection starter
	<b>BSX 202-203</b> <b>P/N 0 1178 1</b> Bosch	6 033 AD0 263 6 033 AD0 264  Brush Holder: 2 004 336 091-093,110-118, 125-128 6 033 AD0 384 AD6 098  Brush Holder IKA 7 7245 1 Brush Holder IKA 7 7501 1	9 x 31.82 x 17.5/23 9 x 31.82 x 17.5/23 flex 10 mm <sup>2</sup>	0 001 330 004,007,008,011-014, 016-018,020,501,502 0 001 340 501-505 0 001 33E 101 0 001 33F 102 0 001 34B B01,H01 0 001 34F 801,802 0 399 B50 306,307 GVB(R) 24V 6.0 kw HEF109-M,MP 24V (R) HEP109-MP 24V (R) MB 006 151 00 01 Scania 1447912 Volvo 3595446, 3827444 JW, Liebherr, MTU
	<b>BSX 204-205</b> <b>P/N 0 1197 1</b> Bosch	2-BS 204 2-BS 205  1 004 320 177,212 1 004 320 178,213  Brush Holder: 1 004 336 506,592,637,799, 879	4.45x10x12.0/12.7 4.45x10x12.0/12.7 flex 2.5 mm <sup>2</sup>	0 001 106 403-407,409,410 120 400-411 F 004 A94 403 DB(L) 0.9 kw RF70-S25 12V(L) R70-S10 12V(L/R) Audi, SEAT, Skoda, VW



IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 210-211</b> <b>P/N 0 1091 1</b> Bosch	1 004 320 179,202,314,335 1 004 320 180,203,313,334	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.5 mm <sup>2</sup>	0 001 108 400-406,408-412,420,421, 430,431,450,451,456,457 0 001 170 400,401 0 001 172 404,405 0 001 177 000-013 F 002 G20 670 F 004 A94 004 DW(R)1.4 kw R70-L15,25,35(R) RF70-L25(L) 12 Volt CF70-M 12V(L) SC70-M,-S 12V(R)
	2-BS 210 2-BS 211	Brush Holder: 1 004 336 509,527,530,531,564, 565,576,595,602, 615,631,633,656, 657,704,707,708, 768,769,785,886 1 004 338 102,117,133,144		
	<b>BSX 210-211-249-250</b> <b>P/N 0 1208 1</b> Bosch	1 004 320 202,314,335 1 004 320 203,313,334	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.5 mm <sup>2</sup>	0 001 108 445,446,466,467 R70-L15,25 12V (R) VW 079 911 021 D,-DX,-G Porsche 9586 041 110 00
	1-BS 210 1-BS 211  1-BS 249 1-BS 250	1 004 320 265,316 1 004 320 266,315  Brush Holder: 1 004 337 022,140,150	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.0 mm <sup>2</sup>	VW overload protection start/stop starters
	<b>BSX 212-213</b> <b>P/N 0 1092 1</b> Bosch	1 004 320 183,204,206 1 004 320 184,205,207	5x16x11.5/13 5x16x11.5/13 flex 2.5 mm <sup>2</sup>	0 001 108 157,190,196,200-204,206-214, 217,218,220-225,228-231, 234-242 0 001 108 460-463 F 000 AL0 110 F 002 G20 326,348,546,582,593,820 F 004 A94 007 F 026 T02 002 DW(R) 1.4-1.8 kw R74-L40,45,-60,-75,-100 12V(R) RF74-L20 12V(R)
	2-BS 212 2-BS 213	Brush Holder: 1 004 336 511,512,521,528, 533,536,552, 566-568,572,579, 638,658,712,727, 753,770,771,773, 782,788,888,889, 898 F 000 AL1 934		
	<b>BSX 216-217</b> <b>P/N 0 1094 1</b> Bosch	6 033 AD5 177,314 6 033 AD5 178,315	5.35x27.77x17.2/18.2 5.35x27.77x17.2/18.2	0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045,046 119,146 241 001,003,005-009,012,014,015,016, 018-021,023,024,119
	2-BS 216 2-BS 217	Brush Holder: 6 033 AD4 016,194, 212 6 033 AD5 128,179, 316,318,320  Stator Frame: 6 033 AD4 107,108,166,177,199 6 033 AD5 154  Brush Holder IKA 7 7241 1		F 002 G20 786 EV(R) 124V 4.0 kw ,EVB (R) 5.5KW HEF95-L 24V(R) 5,5kw HE95-M 24V(R) 4.0 kw IVECO Eurocargo MB Atego Nissan, Scania
	<b>BSX 218-219</b> <b>P/N 0 1095 1</b> Bosch	1 004 320 230 1 004 320 231	5x12x10.9/11.6 5x12x10.9/11.6 flex 2.0 mm <sup>2</sup>	0 001 107 103-112 121 024-035 DB/DW(L/R) 1.2 kw R74-M20 12V(L) R74-M40,-M60 12V(R) RF74-M40 12V(R) RF74-M50 12V(L) overload protection starters
	2-BS 218 2-BS 219	Brush Holder: 1 004 336 504,529,561,562, 577,587,589,765, 766,786,795,797, 978		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 220-221</b> <b>P/N 0 1096 1</b> Bosch	1 004 320 208,232 1 004 320 209,233  Brush Holder: 1 004 336 537,574,581,582, 586,590,594,596, 599,601,603,605, 611,616-629,639, 666,687,688,713, 784,790,794,878 1 004 337 003,004,139 F 002 G20 653	6x18x14.2/15.7 6x18x14.2/15.7 flex 4.0 mm <sup>2</sup>	0 001 109 064-067,069,070,205,258-276, 280,281,284,285,300-307,310, 310,311,313,319-322,324,325, 328,329,330-337,342,343-345, 355-362,364,369-371,375-379, 387,388,391,392-404,407-410, 413,414,417,421,422 110 130,131,133,134,136-139 124 022,027 125 025,031,032,035,036,039,040, 042,043,046-049,051-056, 511-514,517-522,600,601, 605-610,621,622 0 399 501 002-007 F 000 AL0 111,154,159,160 F 002 G20 524,640,852 F 004 A94 008,011 DB/DW(L) 1.7-2.0 kw DB/DW(R) 1.7-2.2 kw R78-L35,M28,M35,M45,M55 12V(R) RF78-L30,L35 12V(L) RF78-M28,M45,SW28 12V(R)
	2-BS 220 2-BS 221			
	<b>BSX 222-223</b> <b>P/N 0 1220 1</b> Bosch	2 004 320 264,266 2 004 320 265,267  Brush Holder: 2 004 336 090,094 2 004 336 096,097  Brush Holder IKA 7 7533 1  replacement for BSX 239-240 P/N 0 1220 1	6,35x27.77x17.2/18.2 6,35x27.77x17.2/18.2 flex 10.0 mm <sup>2</sup> flex length 35 mm	0 001 260 001-004,025,026 0 001 262 001-008,019-022,029-034 HX-95L 12V(L) HX-95M 12V(L) John Deere RE 52 637 5 RE 52 740 0 Serie 6.. >2010
	2-BS 222 2-BS 223			
	<b>BSX 224-225</b> <b>P/N 0 1219 1</b> Bosch	6 033 AD3 260 6 033 AD3 261  Brush Holder: 6 033 AD3 267,290-292 6 033 AD3 327-329  Brush Holder IKA 7 7243 1	6,35x27.77x17.2/18.2 6,35x27.77x17.2/18.2 flex 6.0 mm <sup>2</sup> flex length 25 mm	0 001 230 001-010,012-016,018, 020-024,026-030 F 002 G20 785 EV(R) 3.0 12 Volt 3.0kw HEF95-M 12 V(R)
	2-BS 224 2-BS 225			
	<b>BSX 228 (4)</b> <b>P/N 0 1097 1</b> Bosch	1 004 320 244,279,281,321  Brush Holder: 1 004 337 005,041	5.25x18x12.7x14.2 flex 4.0 mm <sup>2</sup>	0 001 139 021,022,037,038 S78-M 12V(R) DB 001 151 72 14 Porsche 948 604 210 01 948 604 214 00  Porsche Panamera 3.0-4.8 l start/stop starters
	4-BS 228			
	<b>BSX 228 (6)</b> <b>P/N 0 1217 1</b> Bosch	1 004 320 244,279,281,321  Brush Holder: 1 004 336 612,649 1 004 337 002,145 MB 001 151 71 14	5.25x18x12.7/14.2 flex 4.0 mm <sup>2</sup>	0 001 139 001,002,005,006,011-016, 025,026,029,030,,047,048, 067,068,0,71,072,083,084, 0 399 703 044,045 F 002 G20 862 F 002 G70 013 S78-M 12V (R) S78-M55 12V (R) BMW 12 41 7 798 006 12 41 7 812 034,070 12 41 7 823 700,701 Chrysler 04801871AB 56029645AA Ferrari 243595,248743,297969 FIAT 518 102 67 MB 000 906 23 00,23 02 646 906 00 00
	6-BS 228			

IKA-No. Original References Dimensions mm Unit-Nos.

946 906 00 00, 031 00  
Porsche 948 604 210 00  
start stop starters  
Alfa Giulietta 2.0 JTDM >2010  
FIAT Doblo,-Cargo 2.0 Multijet  
Ducato 115 Multijet  
Jeep Wrangler 2.8 CRD  
MB Sprinter 2.1 CDI

### BSX 228-243 (4)

P/N 0 1027 1 Bosch



2-BS 228

1 004 320 244,279,281,321

5.25x18x12.7/14.2  
flex 4.0mm<sup>2</sup>

2-BS 243

1 004 320 261,278,280,320

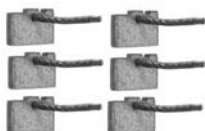
5.25x18x12.7/14.2  
flex 2.5mm<sup>2</sup>

Brush Holder:  
1 004 337 019

0 001 139 041,042,073,074  
S78-M 12V(R)  
VW 059 911 021 G,-GX,-K  
overload protection start/stop starters  
Audi 3.0TDI >10/2011

### BSX 228-243 (6)

P/N 0 1028 1 Bosch



3-BS 228

1 004 320 244

5.25x18x12.7/14.2  
flex 4.0mm<sup>2</sup>

3-BS 243

1 004 320 261

5.25x18x12.7/14.2  
flex 2.5mm<sup>2</sup>

Brush Holder:  
1 004 336 697,699  
1 004 337 017,023,040,045,  
337 046,058,068,149,  
337 158,167-169,  
337 182,185  
MB 001 151 73 14  
001 151 77 14

0 001 139 017-020,023,024,031,032,043,  
044,065,066,075,076,085,086  
149 400-409,412-420  
S/SL78-M 12V(R)  
Chrysler 56029626AA, 56029667AA  
FIAT 500 457 26  
533013830,9678690180  
Ford CC1T-11000-DA,-DB,-DC  
CC1T-11000-EA,-EB  
MB 642 906 08 00,-09 00,-10 00  
642 926 10 00  
651 906 11 00,-12 00,-24 00  
651 906 28 00,-43 00  
PSA 9678 690 180  
VW 059 911 021 F,-FX  
03L 911 021 E,-G,-GX  
overload protection start/stop starters

### BSX 229-230

P/N 0 1216 1 Bosch



2-BS 229

1 004 320 245,282

4.45x16x12.3/13.8











2-BS 230


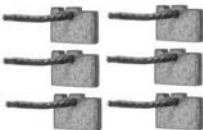


1 004 320 246,283





4.45x16x12.3/13.8  
flex 2.5mm<sup>2</sup>


Brush Holder:  
1 004 336 609,614,645,648  
1 004 337 012,053,063,  
153,154  
FIAT 77365287  
Suzuki 31173-86L00







0 001 138 003-006,011,012,029,030  
138 037-040,043,044,047-050,  
138 053,054,063,064  
0 001 142 001,002  
0 001 152 401  
0 399 703 051,052  
F 002 G20 859  
S74-L 25 12V(R) 1.4/1.7 kw  
SF74-L 12V(L)  
start/stop starters  
BMW 12 41 7 552 697  
12 41 7 567 788  
12 41 7 589 354,355  
12 41 7 610 342,349  
12 41 7 616 689,698  
12 41 7 617 216  
12 41 7 626 000,546,547  
12 41 7 631 024,025,054  
12 41 7 802 945  
12 41 7 803 514  
12 41 7 812 070  
12 41 7 823 314,315  
FIAT 518 103 07, 552 268 44  
Ford BS51-1000-BA  
MB 270 906 00 00, 04 00  
Opel 55570445, 1202203  
Suzuki 31100-86L00  
Toyota 28100-0X040  
VW 02T 911 024 J,-JX

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>BSX 231-232-215</b>				
<b>P/N 0 1214 1</b> Bosch				
	1-BS 215	1 004 320 229,235	6.0x18x11.0/12.5 flex 2.5mm <sup>2</sup>	0 001 108 203 0 001 115 005,006,008,015,020-023,025, 031,032,035,039-042,045-054, 056,057,068-085,088,089,092, 093,096-101,103-111
	1-BS 231	1 004 320 249	6.0x18x11.0/12.5	123 002,003,012-021,026-029, 036-039,044,045
	2-BS 232	1 004 320 250	6.0x18x11.0/12.5 flex 4.0mm <sup>2</sup>	DB/DW (R) 1.7 kw R74-E20 12V(L), R74-L10 12V(L) R74-E25,E35 12V(R) RF74-E25,E45 12V(L) overload protection starters FIAT 518 329 49, 558 329 49 MB 006 151 74 01, 75 01 636 151 02 01 Porsche 956 604 107 00 VW 012 911 023 C,-CX,-E,-F 02E 911 023 H,-HX,-L,-LX 02M 911 023 P,-PX 02M 911 024,-A,-AX,-X 02N 911 023 N 02T 911 024,-X 02Z 611 023 F,-FX,-N,-NX 03L 911 021, -C,-CX,-F,-FX 03L 911 021 H,-HX,-X 03R 911 023 A,-B 07C 911 023 E,-EX 0AH 911 023 B,-BX
		Brush Holder: 1 004 336 395,513,515,520, 522,523,535,553, 554,557,558,560, 568,584,585,588, 591,598,604,606, 640,641,650,653, 661-664,669,672, 677,678,700,721, 724,754,755,758, 759,761,792,793, 796,798,890-892, 897,899 FIAT 773 654 51 MB 000 151 63 14 VW 012 911 209 A 057 911 209 H 02M 911 209, -A 03G 911 209 D		
		Replacement for BSX 214-215		
<b>BSX 233 (6)</b>				
<b>0 1215 1</b> Bosch				
	6-BS 233	1 004 320 251	4.45x14x12.3/13.8 flex 2.5mm <sup>2</sup>	S74-M 12V(R) 773 651 21 FIAT start/stop starters
		Brush Holder: 1 004 336 674,684 1 004 337 035,036 MB 001 151 74 14		
<b>BSX 234-235</b>				
<b>P/N 0 1212 1</b> Bosch				
	3-BS 234	1004 320 254	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	0 001 145 001,002 SF78-M 12V(L) 2.2 kw VW 02Z 911 023 S,-SX 2X0 911 023
	3-BS 235	1004 320 253	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	overload protection start/stop starters Audi,VW
		Brush Holder: 1 004 336 681		
<b>BSX 235-228-243</b>				
<b>P/N 0 1023 1</b> Bosch				
	2-BS 235	1 004 320 253	5.25x18x12.7/14.2	0 001 139 045,046,049,050,053,054 S78-M 12V(R) 2.0 kw overload protection start/stop starters
	1-BS 228	1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	VW 059 911 021 H,-HX,-J,-JX 07L 911 021,-X
	1-BS 243	1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	
		Brush Holder: 1 004 337 034,047 1 004 337 050,144		







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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	<b>BSX 236</b> <b>P/N 0 1211 1</b> Bosch	1 004 320 256,317,326  Brush-Holder 1 004 336 689,695,698 1 004 337 015,016,020,021, 043,044,060,066, 151,156,165 1 004 338 103 MB 001 151 66 14 001 151 75 14 001 151 76 14 FIAT 773 651 21	4.45x14.0x12.3/13.8 flex 2.0mm <sup>2</sup>	0 001 136 002,003 0 001 137 001-006,011,012 0 001 138 001,002,009,010,013-020, 043-046,051,052, 057-062,067-072 0 001 147 408,409,424,425 0 001 152 410,411 S74-L,-M,-S 12V(R) SFL74-L SL74-L 12V(R) overload protection start/stop starters BMW 12 41 7 550 975, 12 41 7 567 788 12 41 7 589 350,352-356 12 41 7 626 000 12 41 7 638 192-194,196 12 41 8 621 576 FIAT 518 047 44, 518 103 08 518 193 80, 518 739 26 Ford BS51-11000-AA, 1715776 Hyundai/KIA 36100-2B300,-2B301 MB 006 151 72 01 270 906 07 00 271 906 02 00 276 906 02 00 Opel 55572440 Renault 23 30 061 24R Suzuki 31100-62MA0 VW 06E 911 021 D,-DX,-F,-FX 06H 911 021,-D,-DX,-X
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	<b>BSX 238</b> <b>P/N 0 1209 1</b> Bosch	1 004 320 257,318,338  Brush Holder: 1 004 337 049,069 1 004 337 171,175	4.45 x 19.5 x 12.3/13.8 flex 2.5 mm <sup>2</sup>	0 001 148 031,032 0 001 153 500,501,508-511 SL/SFL74-E+ 12V(L) BMW 12 41 8 574 102 MB 645 906 02 00, 03 00 VW 059 911 021 L overload protection start/stop starters
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	<b>BSX 241-242</b> <b>P/N 0 1033 1</b> Bosch	2 004 320 268,272 2 004 320 269,273  Brush-Holder 2 004 336 095,100 0 399 D57 009  Brush Holder IKA 7 7507 1  Replacement for BSX 206-207 IKA P/N 0 1089 1	6,35x27.77x18.2 6,35x27.77x18.2 flex 6.0 mm <sup>2</sup> length 35mm	0 001 241 001 0 001 261 001-008,011-013,016-018, 020-029,031,033,034,036, 037,044-047, 0 001 263 001-004,007-020,047-054 501 0 399 504 001-003,005-007,011-013, 016,028,029 HEF95-L5.5 kw HX95-M 24V(R) HXF95-L,M 24V(R) overload protection starters DAF 1826120,1826121,1843852, 1854008,1876369,1886891 1956090 IVECO 504385577 MB 006 151 22 01 Scania 1447911,1796026,2031368, 2148650
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	<b>BSX 244</b> <b>P/N 0 1024 1</b> Bosch	1 004 320 262  Brush Holder: 1 004 337 006,161 VW 03G 911 209 E	4.45x19.5x12.3/13.8 flex 3.0mm <sup>2</sup>	0 001 153 001,002,005-010,015,016 SF74-E+ 12Volt (L) VW 02E 911 024 C,-CX 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A 0AM 911 023 G,-GX start/stop starters VW Family





IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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	<b>BSX 245</b>			
	<b>P/N 0 1022 1</b> Bosch			0 001 148 003,004,009,010,015,016, 019-026,029,030,033,034
	4-BS 245	1 004 320 264 flex 3.0 mm <sup>2</sup>	4.45x19.5x12.3/13.8	153 013,014,019-022 S/SF74-E+ 12V(R) BMW 12 41 7 838 020 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795,900 12 41 8 570 238,239 Opel 555 720 65 1202216 VW 2H0 911 023 H,-K,-KX 3R0 911 023 C,-CX start/stop starters
		Brush Holder: 1 004 337 013,029,042 1 004 337 146,147,155		
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	<b>BSX 247</b>			
	<b>P/N 0 1017 1</b> Bosch			0 001 136 005-008 0 001 138 055,056 0 001 142 003-006 0 001 147 400-407,420-423 0 001 152 400,401,410,411
	6-BS 247	1 004 320 255,325	4.45x14.0x12.3/13.8 flex 2.0mm <sup>2</sup>	S74-L,-S 12V(R) SL74-L 12V(R) SF74-L 12Volt (L) SFL74-L 12Volt (L) overload protection start/stop starters DB 270 906 00 00,-04 00 270 906 07 00 276 906 13 00,-23 00 276 906 24 00,-43 00,-44 00 278 906 04 00 - 07 00 Hyundai/KIA 36100-2B302 Nissan 23300-1073R Renault 23 30 010 73R 23 30 059 51R VW 0AM 911 023 F,-FX 02Z 911 023 R,-RX
		Brush Holder: 1 004 336 682 1 004 337 026,061,062,070, 072,073,152,160		
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	<b>BSX 253</b>			
	<b>P/N 0 1153 1</b> Bosch			600-605 SC70-S 12V(R) SCL70-M,-S 12V(R) start/stop starters BMW Chrysler 56029 640AA FIAT 519 161 69 519 384 39 Nissan 23300-7224R Opel 5559 1492 Renault 23 30 073 34R
	6-BS 253	1 004 320 308,327,328,337	4.45x14.0x11.0/13.0 flex 2.5 mm <sup>2</sup>	
		Brush Holder: 1 004 338 125,136,141, 149,156		
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	<b>BSX 256(4)</b>			
	<b>P/N 0 1144 1</b> Bosch			0 001 179 510-519,522,523 SCF70-SX 12V(L) SCL70-L 12V(R) PSA 96 756 606 80 start/stop starters Peugeot VW 02E 911 024 B,-BX 02M 911 021 G,-GX 02M 911 024 Q,-QX 02Z 911 024 Q,-QX 0AM 911 023 N,-R,-RX
	4-BS 256	1 004 320 331,333	4.45x17.0x11.0/12.4 flex 2.5 mm <sup>2</sup>	Audi S3 1.4/1.8/2.0 TFSI SEAT Leon,-SC 1.4 TFSI Skoda Citigo 1.0,-CNG Octavia,-Combi 1.8 TSI Rapid 1.8 TDI VW Golf VII 1.4 TSI
		Brush Holder: 1 004 338 140		






IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>NEW</b> 	<b>BSX 256(6)</b> <b>P/N 0 1139 1</b>			
	6-BS 256	1 004 320 331,332,333	4.45x17.0x11.0/12.4 flex 2.5 mm²	0 001 174 400-407 0 001 174 600,601,604,605 SC70-L 12V(R) FIAT 519 161 71 PSA 96 756 60 680 Suzuki 31100-55PA0 000 31100-T55PA0 000 VW 04L 911 021, -B,-X 06M 911 021, -X Audi A4 2.0 TDI,-Avant,-Avant quattro > 09/2013 A4 Allroad 2.0 TDI >11/2013 A5 2.0 TDI Cabriolet,-Coupe,-quattro Sportback A6 2.0 TDI,-Avant,-quattro >11/2013 3.0 TFSI Allroad,Avant quattro,.quattro A7 3.0 TFSI Sportback quattro > 05/2014 Q5 2.0 TDI,-quattro
	Bosch Suzuki	Brush Holder: 1 004 338 142,143,145 31173-55PA0		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 10-11</b> <b>P/N 0 1955 1</b> Denso	028520-1090 028530-1100	10 x 30 x 20 10 x 30 x 20	128000-0490,2450,2470,2560,2740, -3361,4220,4250,4682,4683, -4910,5370,5510,5620,5720, -5730 OSGR-Starter 3.0/5.5 kW 24 Volt
	2-JAS 10 2-JAS 11	Isuzu 1-8116-048-0 1-8116-049-0		
	<b>JASX 14</b> <b>P/N 0 1940 1</b> Denso	28531-0110	7 x 12 x 16	12 Volt
	4-JAS 14	Daihatsu 28142-21010 Isuzu 9-8211-1649-0 Mazda 0180-23-756 Mitsubishi K437 450-0 MD604067 Subaru 89207-8602/49206/7202 Suzuki 31131-75011 Toyota 28142-21010		
	<b>JASX 18-19</b> <b>P/N 0 1996 1</b> Denso		7 x 13 x 15,5 7 x 13 x 15,5	028000-7560 128000-7010, -7122, -7390, -7712, -7714, -8310, 228000-0420, -0820, -0900 OSGR- Starter 12 Volt
	2-JAS 18 2-JAS 19			
	<b>JASX 22</b> <b>P/N 0 1945 1</b> Denso	28531-0300	7 x 12 x 19	12 Volt
	4-JAS 22	Daihatsu 28142-10011 Mazda 0208-23-756 Mitsubishi MD604240 Subaru 89206-4102,6102/49243-7302 89206-8702,8602 Suzuki 31131-55010,-55011,-75110 31173-63210 Toyota 28142-10011		
	<b>JASX 35</b> <b>P/N 0 1935 1</b> Denso	28530-0480	9 x 30 x 26	028000-3290, -3291, -3292, -3650, -5040, -5960 12 Volt
	4-JAS 35	J. Deere R50927 Mitsubishi MD604256/MF022002 Toyota 28142-47021/-76010/-77040		
	<b>JASX 39</b> <b>P/N 0 1938 1</b> Denso	028099-5450	6,5 x 8 x 10	128000-2610, -2621, -3090, -4030, -4031, -4032, -4060, -4061, -4530, -4531, -4532, -7110, -7480, -7580, -7581, -7720 228000-2640, -4640, -4641, -4890, -4891, -8350, -8490, -9580, 428000-0950, -1570 12 Volt
	4-JAS 39	Daihatsu 28142-87504-000 Honda 31211-PH9-004 Isuzu 8-94455-168-0 8-94455-167-0 Mitsubishi MD604643 Subaru 209705-5108 Suzuki 31131-51A10 Toyota 28142-10029		















	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 39 C</b> <b>P/N 0 1939 1</b>	Denso			12 Volt
	4-JAS 39 C	Mazda	028531-5050 with Clip 028099-5450	6,5 x 8 x 10	
	<b>JASX 52</b> <b>P/N 0 1962 1</b>	Denso			128000-2682,5210,5211,5680, 5681,5682,6210,6211,6212 281001 6010,6040,6041,6070, 6071,6073 281008721300 12 Volt
	4-JAS 52	Daihatsu Isuzu Mazda Suzuki Toyota	028099-6180 28142-87204-000 8-94377-262-0 8-94367-795-0 028099-6180 31131-51A10 28142-70020	6,5 x 13 x 14	
	<b>JASX 53</b> <b>P/N 0 1963 1</b>	Denso			028000-8460,9181,9182,9202, 9220,9221,9230 31100-79660,85010,85020,85021 12 Volt
	2-JAS53	Daihatsu Honda Isuzu Subaru Suzuki	028510-0760 28140-87703-000 31231-679-014 5-81119-004-0 8-94135-730-0 49243-6002 31131-79010 31173-79010	7,5 x 13 x 18	
	<b>JASX 62</b> <b>P/N 0 1965 1</b>	Denso			028000-2000,2151,2240,2260,2261, 2262,2263,2360,2361 12 Volt
	4-JAS 62	Daihatsu Honda Mazda Toyota	28531-0350 28142-25020 31211-679-004 1345-24-753 28142-25020	7 x 12 x 19	
	<b>JASX 63</b> <b>P/N 0 1966 1</b>	Denso			-2680, -2681, -2682, -4500, -5410, -6422 12 Volt
	4-JAS 63	Daihatsu Honda Toyota	28531-0380 28531-0480/0490 28142-25011/87502 31211-657-006/31231-679-004 28142-25011	7 x 12 x 16	
	<b>JASX 77-78</b> <b>P/N 0 1977 1</b>	Denso			028000-3920,4570,7370,7660 128000-0020,6400 12 Volt
	2-JAS 77 2-JAS 78	Daihatsu Isuzu Komatsu Mazda Toyota	028099-3550 028531-0840 flex w/o. insulation 28140-54070-000 28140-64040-000 28140-87706-000 5-81116-040-0 5-81118-021-0 8-94167-430-0 028510-0640 RE01-24-750 28140-54070 28140-64040	8 x 25 x 15 8 x 25 x 15	







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 79</b> <b>P/N 0 1997 1</b>			
	Denso	Nikko Denki		-4961, -5860, -7220, -7710, -7800, -8150, 428000-0250, -0260, -0500 -1280, -2730
4-JAS 79		0-23740-0200, 0210	7 x 25 x 15,5 7 x 25 x 15,5	12 Volt
	Isuzu	8-94178-053-0, 054-0 8-94437-920-0, 921-0		
	<b>JASX 84</b> <b>P/N 0 1984 1</b>			
	Denso			028000-2641, -3642, -4000, -4020, -4200, -4243, -4250, -4323, -4450, -4510, -4730, -4940, -5060, -5120, -5190, -5390, -5730, -5800, -5820, -5991, -6040, -6120, -6190, -6240, -6250, -6280, -6350, -6440, -7380, -7410, -8180, -8380, -8451, -8570, -8620, -9820, 128000-0100, -0141, -0150, 228000-0440, -6250, -0990, 428000-0570
4-JAS 84		028510-0441, 0580, 0590, 0830, 028510-5320, 5350, 5420 028531-0450, 0946	7 x 16 x 14 flex length 33mm	12 Volt
	Daihatsu	28140-34030 28140-87701-000 28140-87704-000 28140-87710-000		
	Honda	31208-657-0040 31208-657-300 31208-PH7-661 31208-PR4-0030		
	Komatsu Subaru	02851-00441, -00590 21170-53608 23378-AA040, -AA050 49243-7212, -7302, -7502		
	Toyota	28140-34030, -64130, -65020, 28140-74010, -74020, -74070, 28140-76070 28142-34030		
	<b>JASX 85</b> <b>P/N 0 1985 1</b>			
	Denso			028000-5330-5335 6380-6382
4-JAS 85		28531-0680	6,5 x 10 x 16	12 Volt
	Daihatsu	28140-15010 28140-87201-000 28140-87502-000 28140-87702-000		
	Honda	31231-PA0-0060		
	Isuzu	8-94239-109-0 8-94239-110-0		
	Mazda	1345-24-750 1345-24-750A 8682-24-750		
	Mitsubishi Subaru	MD604916 23378-KA000 49206-7002 49243-7002		
	Suzuki	31131-82010 31173-78310, -78311		
	Toyota	28140-15010		
	<b>JASX 86-87</b> <b>P/N 0 1986 1</b>			
	Denso			128000-8320 228000-2570
2-JAS 86 2-JAS 87		028510-0750 insulated flex	7 x 16 x 16 7 x 16 x 16	12 Volt
	Daihatsu Honda Toyota	28140-15090 31208-PC2-661 28140-15090		


	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 88</b> <b>P/N 0 1988 1</b> Denso				
	4-JAS 88		28531-0632	8 x 25 x 21	-5551, -5620, -5690, -5860, -5880, -6060, -6200, -6290, -6880, -6910, -7810, -8400, -9331 128000-1570, -1790, -3080, -6170, -6810 428000-0290, -1860, -2580, -2631, -3110 12 Volt
	<b>JASX 89</b> <b>P/N 0 1991 1</b> Denso				
	4-JAS 89		028099-3430,3950 028510-0460,0660 028531-0720,0730 28140-26070 28140-87707-000 31208-657-671 31208-PC2-671 5-81116-020-0 5-81118-022-0 8-94170-211-0 8-94317-193-0 8-94377-249-0 28140-26070	7 x 16 x 14 flex length 22mm	028000-4540,5900,5910-5912. 028000-6000,6001,6030,6300 12 Volt
	<b>JASX 101-102</b> <b>P/N 0 1933 1</b> Denso				
	1-JAS 101 2-JAS 102		positive brush pair negative single brush	4.5 x 14 x 15.0 4.5 x 14 x 15.0	428000-0670,-0680,-0700 428000-1640,-1750 12 Volt
	<b>JASX 105-106</b> <b>P/N 0 1921 1</b> Denso				
	1-JAS 105 1-JAS 106		PS 70 Brush-Pair Brush-Pair	4.5/7.0 x 8.5 x 9.5 4.5/7.0 x 8.5 x 9.5	228000-9900,-9901,-9902 428000-1080 12 Volt
<b>NEW</b> 	<b>JASX 112-114</b> <b>P/N 0 1923 1</b> Denso				
	1-JAS 114 2-JAS 112		positive brush pair negative single brush	5.3 x 18.9 x 15.6 5.3 x 18.9 x 15.6	428000-5510, -5511 A 000 906 01 26 80 A 006 151 45 01 Mercedes Diesel 12V

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 5</b> <b>P/N 0 1451 1</b>	Fiat			B76-0,5/12S E76-0,6/12V 632 010 00-5 632 011 00,01 632 201 07,08,37,38 632 202 02,32 632 204 00,02,03,08,09,30,32,33,38,39 632 205 35-38 12 Volt Iskra AZD 3502,3503,3508,3511 11 130 134,-143,-266,-314 0.6 kw 12 Volt
	2-JS 5	Fiat Iskra	748 681 71 16 905 225  Replacement for IKSX 4 IKA P/N 0 1533 1	6 x 16 x 17	
	<b>JSX 9</b> <b>P/N 0 1454 1</b>	Fiat			E115-3/24 632 238 00,02,07,30,32 24 Volt
	4-JS 9		747 026 10 853160	6,5 x 14 x 20	
	<b>JSX 13 (4)</b> <b>P/N 0 1457 1</b>	Fiat			E100-1,3/12, 1,5/12 632 060 02,03 632 223 01,04,31 632 224 00,05,08,09,30,35,37-39 632 225 01,02,31,32,35,36 632 227 30,31,33,35,36 12 Volt
	4-JS 13		748 747 41	7 x 16 x 20	
	<b>JSX 14</b> <b>P/N 0 1455 1</b>	Fiat			E115-1,8/12 12 Volt
	4-JS 14		4005010	6,5 x 14 x 20	
	<b>JSX 16</b> <b>P/N 0 1459 1</b>	Fiat			E84-08/12V, Var,1,2,3,6,8 632 207 00-03,05,06,20,21,23,24,30-33,35, 632 207 40,41,43,44,46 632 208 00-04,06,08,30,32,33,34,36 632 209 31,32,40 12 Volt
	2-JS 16		748 617 81	8 x 17 x 19	
	<b>JSX 19</b> <b>P/N 0 1462 1</b>	Fiat			M125-3/12 632 24 600,02,91 12 Volt
	4-JS 19		748 460 01	10 x 22 x 28	






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	
	<b>JSX 21-22</b> <b>P/N 0 1464 1</b> Fiat	1-JS 21 2-JS 22	748 809 41,512 706 52 748 811 21,512 706 51	6 x 13 x 17,5 6 x 13 x 17,5	E95-0,9-12 E95-1,0-12 632 213 30,32-35,38 632 214 30,31 632 215 31,32,34,35,38 632 216 33,37 12 Volt
	Brush Holder: (748 811 51 + 748 809 21)				
	<b>JSX 23-24-28</b> <b>P/N 0 1466 1</b> Fiat	2-JS 23 1-JS 24 1-JS 28	748 879 01 748 879 11 748 912 60	7 x 15,5 x 20 7 x 15,5 x 20 7 x 15,5 x 20	E100-1,6/12 632 232 35-39 632 233 30-32 12 Volt
	Brush Holder: 748 879 51 (85540391 + 74888901)				
	<b>JSX 25-22</b> <b>P/N 0 1467 1</b> Fiat	1-JS 25 3-JS 22	748 884 01,512 706 53 748 811 21,512 706 51	6 x 13 x 17,5 6 x 13 x 17,5	E95-1,1-12 632 214 30 632 215 32,38 12 Volt
	Brush Holder: (748 811 51 + 748 883 61 (748 811 51 + 855 303 00))				
	<b>JSX 26-27</b> <b>P/N 0 1468 1</b> Fiat	3-JS 26 1-JS 27	748 910 71,512 706 61, 512 707 99 748 910 80,512 706 60, 512 707 98	6 x 13 x 17,5 6 x 13 x 17,5	E95-1,1-12 632 214 33-36,38 632 215 30,33,36,39 632 216 30,32,35,36,39 632 217 31 12 Volt
	Brush Holder: (748 911 01 + 748 909 61)				
	<b>JSX 29-30</b> <b>P/N 0 1469 1</b> Fiat	1-JS 29 1-JS 30	74893801,51270805 74893811,51270803	6 x 13 x 17,5 6 x 13 x 17,5	E95-0,8-12 E95C-0,8-12 631 010 03 632 218 30,32,34,90,92 12 Volt
	Brush Holder: 748 938 51 (855 403 51 + 748 936 31)				
	<b>JSX 31-32</b> <b>P/N 0 1470 1</b> Fiat	2-JS 31 1-JS 32	7489438.1,51270764,74899061 7489439.1,51270765,74899071	8 x 19 x 18 8 x 19 x 18	E95R-2,2-12 632 218 31 632 220 30,31,34-36,38,39 632 221 30,31,33-36,38 632 222 04,06 12 Volt
	Brush Holder: (855 403 41 + 748 941 21) (855 403 41 + 832 228 01)				







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 33-34</b> <b>P/N 0 1471 1</b>	Fiat	832 272 58 insul. no 832 272 57 insul. 35	6 x 15 x 16,7 flex 28 6 x 15 x 16,7 flex 28	E70R-1,4-12 M70R-1,4-12/-1,8-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35 12 Volt
	2-JS 33 (-) 2-JS 34 (+)		Brush Holder: (832 204 61 + 832 201 31) (542 944 44 + 832 265 57)		
	<b>JSX 35-36</b> <b>P/N 0 1472 1</b>	Fiat	832 211 91 932 212 01	7 x 13 x 17,5 7 x 13 x 17,5	E80-0,8-12 E80-1,0-12 632 228 31-33,36-38 632 230 31-34 12 Volt
	2-JS 35 2-JS 36		Brush Holder: (832 212 41 + 832 216 51)		
	<b>JSX 35-37</b> <b>P/N 0 1473 1</b>	Fiat	832 211 91 832 216 81	7 x 13 x 17,5 7 x 13 x 17,5	E80E-1,0-12 631 230 31-34 12 Volt
	2-JS 35 1-JS 37		Brush Holder: (832 212 41 + 832 209 91) (832 212 41 + 832 239 91)		
	<b>JSX 38-39-40 (3)</b> <b>P/N 0 1474 1</b>	Fiat	832 244 81 insul. no 832 274 91 insul. 52 832 274 90 insul. 38	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 42 7 x 13 x 17,5 flex 26	E80E-0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 03 12 Volt
	1-JS 38 (-) 1-JS 39 (+) 1-JS 40 (+)		Brush Holder: (832 244 61 + 832 251 17)		
	<b>JSX 38-40-58 (4)</b> <b>P/N 0 1482 1</b>	Fiat	832 244 81 insul. no 832 274 90 insul. 38 832 269 21 insul. 100	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 80	E80E-1,0-12 631 030 02,03,07,08 12 Volt
	2-JS 38 (-) 1-JS 40 (+) 1-JS 58 (+)		Brush Holder: (832 253 59 + 832 257 10)		
	<b>JSX 38-41 (2)</b> <b>P/N 0 1475 1</b>	Fiat	832 244 81 insul. no 832 252 66 insul. 18	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 26	E80E-0,8-12 631 010 00,02 632 010 08 632 228 89,97 632 229 05,08,09,36 632 231 04,09 632 232 00 632 233 03 632 931 04 12 Volt
	1-JS 38 (-) 1-JS 41 (+)		Brush Holder: (832 244 61 + 832 251 46) (832 253 26 + 832 263 48) (832 253 26 + 832 264 91)		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 38-42 (2)</b>				
	<b>P/N 0 1476 1</b>	Fiat			E80E Seat 12 Volt
	1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	
	1-JS 42 (+)		832 246 21 insul. 25	7 x 13 x 17,5 flex 30	
	<b>JSX 40-46-47 (4)</b>				
	<b>P/N 0 1477 1</b>	Fiat			E80E 12 Volt
	1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	
	1-JS 46 (+)		832 261 48 insul. 57	7 x 13 x 17,5 flex 65	
	2-JS 47 (-)		832 261 89 insul. no	7 x 13 x 17,5 flex 26	
	<b>JSX 43-45-44 (4)</b>				
	<b>P/N 0 1478 1</b>	Fiat			E80E 12 Volt
	2-JS 43 (-)		832 258 22 insul. no	7 x 13 x 19,5 flex 26	
	1-JS 45 (+)		832 258 23 insul. 50	7 x 13 x 19,5 flex 62	
	1-JS 44 (+)		832 258 24 insul. 18	7 x 13 x 19,5 flex 26	
	<b>JSX 43-45-57 (3)</b>				
	<b>P/N 0 1483 1</b>	Fiat			632 230 39 632 233 04 632 930 39 E80E-0,9-12 12 Volt
	1-JS 43 (-)		832 258 22 insul. no	7 x 13 x 19,5 flex 26	
	1-JS 45 (+)		832 258 23 insul. 50	7 x 13 x 19,5 flex 62	
	1-JS 57 (+)		832 274 95 insul. 38	7 x 13 x 19,5 flex 26	
			Brush Holder: (832 258 86 + 832 258 83) (832 258 86 + 832 262 40)		
	<b>JSX 48-49-50 (3)</b>				
	<b>P/N 0 1479 1</b>	Fiat			E80E 12 Volt
	1-JS 48 (+)		832 262 17 insul. 18	7 x 13 x 19,5 flex 26	
	1-JS 49 (+)		832 262 18 insul. 34	7 x 13 x 19,5 flex 42	
	1-JS 50 (-)		832 264 28 insul. no	7 x 13 x 19,5 flex 26	
	<b>JSX 50-55-56 (3)</b>				
	<b>P/N 0 1484 1</b>	Fiat			631 020 00 632 920 00 E80E-0,9-12 12 Volt
	1-JS 50 (-)		832 264 28 insul. no	7 x 13 x 19,5 flex 26	
	1-JS 55 (+)		832 274 94 insul. 38	7 x 13 x 19,5 flex 26	
	1-JS 56 (+)		832 274 93 insul. 52	7 x 13 x 19,5 flex 42	
			Brush Holder: (832 262 16 + 832 259 35)		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 51-52 (2)</b> <b>P/N 0 1480 1</b>	Fiat			E80F-0,8-12 12 Volt
	1-JS 51 (+) 1-JS 52 (-)		832 273 62 insul. 18 832 273 64 insul. no	7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 26	
	<b>JSX 51-52-59 (3)</b> <b>P/N 0 1485 1</b>	Fiat			E80F-0,9-12 12 Volt
	1-JS 51 (+) 1-JS 52 (-) 1-JS 59 (+)		832 273 62 insul. 18 832 273 64 insul. no 832 274 70 insul. 26	7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 34	
	<b>JSX 51-52-63 (4)</b> <b>P/N 0 1486 1</b>	Fiat			E80F-1,0-12 12 Volt
	1-JS 51 (+) 2-JS 52 (-) 1-JS 63 (+)		832 273 62 insul. 18 832 273 64 insul. no 832 276 57 insul. 100	7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 80	
	<b>JSX 53-54</b> <b>P/N 0 1481 1</b>	Fiat			E95RL-2,2/2,6-12 631 140 08,10,14 12 Volt Ducato
	2-JS 53 (-) 1-JS 54 (+)		832 269 19 832 269 20	8 x 19 x 20 8 x 19 x 20	
			Brush Holder: (748 944 41 + 832 257 10) (832 263 36 + 832 267 10)		
	<b>JSX 61-62-63 (4)</b> <b>P/N 0 1487 1</b>	Fiat			D80F-1,0-12 12 Volt Denso-Fiat
	2-JS 61 (-) 1-JS 62 (+) 1-JS 63 (+)		832 275 84 insul. no 832 275 83 insul. 18 832 276 57 insul. 100	7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 26 7 x 8 x 19,5 flex 80	



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 70-71</b>				
	<b>P/N 0 1490 1</b>	Fiat			P95 2.3/2.6 kw 12 Volt
	1-JS 70		028531-6870	7.8 x 19 x 20	
	2-JS 71		028531-6880	7.8 x 19 x 20	
	<b>JSX 72-73</b>				
	<b>P/N 0 1491 1</b>	Fiat			P76 2.0 kw 12 Volt
	2-JS 72		028531-7340	7 x 20 x 16	
	2-JS 73		028531-7331	7 x 20 x 16	
<b>NEW</b> 	<b>JSX 73 (4)</b>				
	<b>P/N 0 1493 1</b>	Fiat			P76 12 Volt
	4-JS 73		028531-7331	7 x 20 x 16	
	<b>JSX 74-75-76-77</b>				
	<b>P/N 0 1492 1</b>	Fiat			P70 1.4 kW 12 Volt BMW, PSA, Toyota
	1-JS 74		28531-6420	4.5 x 14 x 14.3/15.3	
	1-JS 75		28531-6390	4.5 x 14 x 14.3/15.3	
	1-JS 76		28531-6400	4.5 x 14 x 14.3/15.3	
	1-JS 77		28531-6410	4.5 x 14 x 14.3/15.3	
	<b>JSX 78-79</b>				
	<b>P/N 0 1452 1</b>	Fiat			028988-030 PA 78 12 V
	2-JS 78		028531-8801	7 x 20 x 16	
	2-JS 79		028531-8791	7 x 20 x 16	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>FX 70-71</b>				
	<b>P/N 0 1527 1</b>	Ford-Visteon			E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA PMGR-Starter USA 12 Volt
	1-F 70		F0OU-11056-AA	4,5 x 16 x 14	
	1-F 71		F0OU-11055-AA	4,5 x 16 x 14	
			Brush-Holder E90Z-11061-A,B,C		
	<b>FX 70-72</b>				
	<b>P/N 0 1528 1</b>	Ford-Visteon			93BB-11000-HB,JB,JC,KA,KB,KC PMGR-Starter Europe 12 Volt
	1-F 70		F0OU-11056-AA	4,5 x 16 x 14	
	1-F 72		F3RU-11055-AA	4,5 x 16 x 14	
			Brush-Holder F3RZ-11061-A		
	<b>FX 73</b>				
	<b>P/N 0 1529 1</b>	Ford-Visteon			96BB-11000-AA,AB USA 12 Volt
	4-F 73			6 x 13 x 14	
	<b>FX 74</b>				
	<b>P/N 0 1530 1</b>	Ford-Visteon			97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A Escort, Fiesta, Focus, Mondeo 1.8D 1,9 KW-Starter 12 Volt
	4-F 74		F7RU-11056-AB	8,2 x 18,9 x 17,7	
			Brush Holder: F7RU-11434-BA		
	<b>FX 74-78</b>				
	<b>P/N 0 1522 1</b>	Ford-Visteon			97BB-11000-BB 97BB-11000-BC 98AB-11000-AC 98VB-11000-B1A 98VB-11000-B3A 98VB-11000-BA 12 Volt
	2-F 74		F7RU-11056-AB	8,2 x 18,9 x 17,7	
	1-F 78		F7RU-11055-CA	8,2 x 18,9 x 17,7	
			same application as FX 74 but positive brush-pair with bus bar		
			Brush Holder: F7RU-11434-BA		
	<b>FX 75</b>				
	<b>P/N 0 1524 1</b>	Ford-Visteon			97VB-11000 Ford Transit 2,2 KW-Starter Ungarn 12 Volt
	4-F 75		F7RU-11056-CA TR3	8,2 x 18,9 x 18	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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**FX 76-77**

**P/N 0 1523 1**

Ford-Visteon

2-F 76 (+)

2-F 77 (-)

1C3U-11056-BA

1C3U-11056-AA

Brush Holder:

1C3U-11434-AA

8,2 x 18,9 x 18,2







8,2 x 18,9 x 18,2





1C3U-11000-AA,-AB,-AE






3,6 KW-Starter





Visteon / ISKRA



12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 15-6 (4)</b> <b>P/N 0 1942 1</b>		Hitachi		S114-156, -A S114-91 12 Volt
	2-JAS 15 2-JAS 6		2108-2305/-4305/-6305 2108-2306/-4306/-6306	6 x 16 x 14 6 x 16 x 14	
		Daihatsu	2108-2305 2108-2306		
		Isuzu	9-8211-16310 9-8211-16320		
		Nissan	23379-09900 23380-10600		
	<b>JASX 26-27</b> <b>P/N 0 1978 1</b>		Hitachi		24 Volt
	2-JAS 26 2-JAS 27		2280-1313 2280-1312	10 x 25 x 22,5 10 x 25 x 22,5	
		Nissan	23331-99002 -99003		
	<b>JASX 31</b> <b>P/N 0 1952 1</b>		Hitachi		24 Volt
	4-JAS 31		2250-1322	9 x 20 x 26	
		Isuzu	9-8211-1603-0 9-8211-5114-0 1-2174-0030-0		
		Nissan	23331-90001 23331-90004 23379-61502		
	<b>JASX 32-33</b> <b>P/N 0 1951 1</b>		Hitachi		12 Volt
	1-JAS 32 1-JAS 33		2114-2313 2114-6312	7 x 16 x 16,5 7 x 16 x 16,5	
		Isuzu	9-8211-16440 9-8211-16450		
		Nissan	23379-19900 23380-19900		
	<b>JASX 34-30</b> <b>P/N 0 1934 1</b>		Hitachi		12 Volt
	2-JAS 34 2-JAS 30		2130-6312 2130-9311	8 x 19 x 18 8 x 19 x 18	
		Isuzu	8-94028-460-0/-464-0 8-94228-440-0 8-94228-444-0 8-94228-464-0		
		Nissan	23379-V0700 23380-V0700		
	<b>JASX 36-37</b> <b>P/N 0 1937 1</b>		Hitachi		S12-38A S13-33 / 33A / 33B / 34A S13-37 / 37B / 38B S13-41 / 41 A / 41 B M2T20671 12 Volt
	2-JAS 36 2-JAS 37		2130-5312 2130-8311 2250-5322 2250-5323	8 x 25 x 18 8 x 25 x 18	
		Isuzu	1-81116-023-0 1-81116-024-0 5-81116-024-0 5-81116-025-0 8-97030-389-0		
		Nissan	23379-J5500 23380-J5500 23331-Z9002 23331-Z9003 28331-Z9000 28331-Z9001		





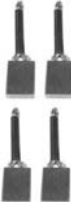

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 49-61</b> <b>P/N 0 1948 1</b>		Hitachi		S114-750,-752,-753,-754A,-758, S114-762,-765,-766,-767,-769, S114-775,-780,-870 12 Volt
	1-JAS 49		2114-53125,-63125,-83125	4,5 x 14 x 17	
	2-JAS 61		2114-43125	4,5 x 14 x 17	
		Brush Holder	2114-43105 / 23378-1E401 2114-53105 / 23378-50Y04 2114-63104 / 23378-1E400		
		Nissan	23380-1E400 23379-1P100		
	<b>JASX 50-51</b> <b>P/N 0 1961 1</b>		Hitachi		S114-501 / 501A / 505 / 505A S114-517 / 517C / 518 / 519A S114-523 / 252A / 526 12 Volt
	1-JAS 50		2114-23124,-63121,-63123 2114-73122,-83122 2114-93122	7 x 11 x 16	
	2-JAS 51		2114-83121	7 x 11 x 16	
		Mazda Nissan	B101-18X-72/-18X-66 23379-53J00/23380-53J00 23379-M8001/23380-12G01 23379-M8001/23380-42L60 23379-M8001/23380-57M60 23379-M8001/23380-77A01 23379-M8001/23380-M8001		
		Subaru	23387-KA000 23388-KA000 49206-6401/-6501 49207-6401		
		VW	Golf, Passat 1.6, Santana		
	<b>JASX 54-55</b> <b>P/N 0 1964 1</b>		Hitachi		S114-800/801/804/805 808/816/850 12 Volt
	1-JAS 54		2114-63126	4,5 x 14 x 15	
	2-JAS 55		2114-53126	4,5 x 14 x 15	
		Brush Holder	2114-23106 2114-73105		Opel Astra D Opel Corsa D
		Nissan	23380-OM300 23379-OM300		
		Opel	JHTSX 300-301		
	<b>JASX 56-3</b> <b>P/N 0 1959 1</b>		Hitachi		S12-23/24A/32/34/47 12 Volt
	2-JAS 56		2120-1311,1312	8 x 14,5 x 22	
	2-JAS 3		2120-4311,5312 2120-7311	8 x 14,5 x 22	
		Isuzu	9-8211-16510 9-8211-16520 9-8211-16460 9-8211-16470		
		Nissan	23379-37500 23379-37502 23379-37503 23379-65000 23380-37500 23380-37502 23380-37503 23380-65000		







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 56-3/0</b> <b>P/N 0 1958 1</b>	Hitachi			12 Volt
	2-JAS 56/0 2-JAS 3/0		2120-7312 2120-9311	8 x 14,5 x 22 8 x 14,5 x 22	
		Nissan	23379-G7000 23380-G7000		
	<b>JASX 57-58</b> <b>P/N 0 1960 1</b>	Hitachi		12 Volt	S108-77/78 S114-103/108L/121N/122N 126M/132/136/139/146
	2-JAS 57 2-JAS 58		2114-4313 2114-8312	7 x 11 x 18 7 x 11 x 18	
		Daihatsu Honda	2114-4313/8312 31246-568-005 31217-568-005		
		Isuzu Nissan	9-8211-1657-0/1658-0 23379-16E01/-21000 23380-16E01/-21000		
		Subaru	9402-1408/1409		
	<b>JASX 59-60</b> <b>P/N 0 1950 1</b>	Hitachi			S114-556A,-558 23300-53J00 23300-KA270 12 Volt
	1-JAS 59 2-JAS 60		2114-73123 2114-83123	4,5 x 11 x 16 4,5 x 11 x 16	
		Nissan	23380-53J00 23379-53J00		
		Subaru	23387-KA000 23388-KA000		
	<b>JASX 65-67</b> <b>P/N 0 1968 1</b>	Hitachi			12 Volt
	2-JAS 65 1-JAS 67		2114-59003/-93121 2114-6313/-8313	7 x 11 x 16 7 x 11 x 16	
		Honda Isuzu	31215-634-0050/PD4-0050 5-81116-056-0 5-81119-034-0 8-94208-294-0		
		Nissan	23379-M0100/M0101/M0102 23380-M0101		
		Subaru	49206-1001/-5501 49207-1001		
	<b>JASX 66-67</b> <b>P/N 0 1969 1</b>	Hitachi		12 Volt	S108-34B/61/61A-G 63/66/116
	2-JAS 66 2-JAS 67		2114-3315/-5312 2114-6313/-8313	7 x 11 x 16 7 x 11 x 16	
		Honda	31215-634-0050/31216-634-0050 31215-679-0050/31216-679-0050		
		Isuzu	8-94208-294-0/8-94208-300-0 5-81116-008-0/5-81116-009-0		
		Nissan	23379-80W00 23379-M0100/-M0102 23380-56A00 23380-M0100/-M0101		
		Subaru	21070-53908/-54008 24370-54008 49206-1001/49207-1001 49206-5501/49207-5501		


	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 74</b> <b>P/N 0 1975 1</b>	Hitachi			S13-100/104/106A-C 106E/107/107A 109/109B/111 12 Volt
	4-JAS 74	Isuzu Nissan	2130-23112 8-94136-900-0 23380-10G00 23379-10G00	7 x 19 x 15,8	
	<b>JASX 74-75</b> <b>P/N 0 1974 1</b>	Hitachi			S13-62/62B 101/102/105/105A 129/136/160/329 529 12 Volt
	2-JAS 74 2-JAS 75	Daihatsu Isuzu Mazda Nissan Volvo	2130-13111 2130-7312 2240-13111/1312 23379-W2500/23380-W2500 2331-T9000/T9001 5-81118-021-0 8-94136-900-0 8-94152-930-0/-970-0/-973-0 8-94242-061-0/8-94242-065-0 8-94478-862-0 894152970/-973 23379-54A00 23380-10G00 23380-54T00 23380-W2500 740 D, 760 D	7 x 19 x 15,8 7 x 19 x 15,8	
	<b>JASX 80-81</b> <b>P/N 0 1982 1</b>	Hitachi			S114-233A/252F/253B 254D/255A/256B 257/257G/257H 258C 12 Volt
	2-JAS 80 2-JAS 81	Isuzu Nissan	2114-59002 2114-69002 8-94208-440-0 8-94208-444-0 8-94228-440-0 8-94228-444-0 23379-M4900 23380-M4900	7 x 14 x 16 7 x 14 x 16	
	<b>JASX 92-93</b> <b>P/N 0 1992 1</b>	Hitachi			S13-06/06A/10/14 18/28/29/32 32A/55 12 Volt
	2-JAS 92 2-JAS 93	Isuzu Nissan	2130-1312/2312 2130-3311/4311 2130-4312/7311 5-81116-015-0 5-81116-016-0 5-81116-048-0 5-81116-049-0 8-94137-714-0 8-94137-716-0 9-8211-1551-0 9-8211-4151-0 9-8211-4152-0 23379-J2000 23380-J2000 23379-61503 23380-61501	9 x 19,5 x 22 9 x 19,5 x 22	







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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	<b>JASX 94-95</b>			
	<b>P/N 0 1993 1</b>	Hitachi		24 Volt
	2-JAS 94	2250-2323	9 x 19,5 x 19,5	
	2-JAS 95	2120-2601	9 x 19,5 x 19,5	
		2130-1310		
		2250-1324/-4322		
		Isuzu		
		1-81116-017-0/-018-0		
	5-81116-017-0/-018-0			
	5-81119-001-0			
	5-81119-015-0			
	5-81119-016-0			
	9-82111-551-0			
	Nissan	23379-61503		
		23380-61501		
		23331-Z9000		
		23331-Z9001		
	Hino	28142-1020A		
		28142-1010A		












	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LASX 15-16</b> <b>P/N 0 1608 1</b>	Lucas	271735 (TAB 125)		M45G,M113 26147,48,51,53,54,63,66,78,89,92,93,96,98 26200,1,8,15,19,20,33,36,38,48,55,56,59,64, 66-71,75,78-81,83,85-88 26300-2,6,10,20,21,46-48,64,70-73,75,81, 83,85,90,91,94,96 26400,12,13,22 27403,5,6,9-14,16-28,31-33,35,36,38-40,43, 46,47,49,52,57-59,63,65,68-70 12 Volt
	2-LAS 15 2-LAS 16		271491,54258277 271493,54258282	7,9 x 19,05 x 22,2 7,9 x 19,05 x 22,2	
	<b>LASX 15-27</b> <b>P/N 0 1609 1</b>	Lucas	271735(-1) (TAB 120)		M45G(-1) 12 Volt
	2-LAS 15 2-LAS 27		271491,54258277 271492,54258276	7,9 x 19,05 x 22,2 7,9 x 19,05 x 22,2	
	<b>LASX 30-31-32</b> <b>P/N 0 1613 1</b>	Lucas	54256907 (TAB 106) 60600626,60600688 54258277		25585,25586,26209 12 Volt
	1-LAS 30		54258280-7238	7,9 x 19,05 x 22,2 flex length 90mm	
	1-LAS 31 2-LAS 32		54257236	7,9 x 19,05 x 22,2 flex length 65mm 7,9 x 19,05 x 22,2 flex w/o. insulation	
	<b>LASX 31</b> <b>P/N 0 1614 1</b>	Lucas	54258592 (TAB 119)		M50 26211,91 26338,39,95 12Volt
	4-LAS 31		54257238, 54258280	7,9 x 19,05 x 22,2 flex length 65 mm	
	<b>LASX 36</b> <b>P/N 0 1615 1</b>	Lucas	54259517, 60600849 (TAB 118)		M50,M127 26227,34,46,65,73,74,82,84,90,94,95,97,98 26304,5,12,16,17,23,29,36,37,41-45,49,51, 52,55,57-61,63,65,66,69,74,76,78,79,84, 86,88,89,93,98 26402-4,7-11,14,16,20,21,23,27-31,33-37 27304 27500-9,11-16,18-28,31-34,36-41,43,45-47, 50-54,56-59,63-65 12 Volt CAV CA4512, CA45C12, CA45D12 CA45F12, CA45LC12
	4-LAS 36	Lucas CAV	54248210 6211-410 5933-530  Replacement for ASX 19 IKA P/N 0 1228 1	9 x 20 x 26	
	<b>LASX 40-41</b> <b>P/N 0 1617 1</b>	Lucas	54244848,60600056 (TAB 117)		M35J,K 25137,45-50,56,57,59,65-68,78,80,82-87,90,91 25204-7,9,10,13-16,19,23,34,38,39,41,42,46,49,50, 53,55,59,62,64-66,68-74,76-84,87-92,94,98,99 25311,27,29,30,42,43,45-48,68,73 25400 60925019,2 12 Volt
	1-LAS 40 1-LAS 41		54265217,54266892 54265216	9/3,5 x 11,6 x 15,9 9/3,5 x 11,6 x 15,9	





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LASX 42</b> <b>P/N 0 1618 1</b>	Lucas	54244979		M50, M127 12 Volt
	4-LAS 42		54258779,54262842	9 x 20 x 26	
	<b>LASX 43-44</b> <b>P/N 0 1628 1</b>	Lucas	54246258 (TAB 124)		M100 25642-44,47-49,51,54,62,74,75,84-87,89,91,92,95,98 25703-7,9-12,16-22,28-32,34,35,39,42,43,49-51,54-56 27466 12 Volt
	1-LAS 43 1-LAS 44		with terminal 54243725	10,3/4,7 x 13,3x17,5 10,3/4,7 x 13,3x17,5	
			Replacement for	LASX 43-47-48	
	<b>LASX 43-44/0</b> <b>P/N 0 1619 1</b>	Lucas	54246258 (TAB 124)		12 Volt
	2-LAS 44		54243725 w/o. terminal	10,3/4,7x13.3x17,5	
			Replacement for	LASX 44-45 LASX 45-47-48	
	<b>LASX 43-47-48</b> <b>P/N 0 1622 1</b>	Lucas	60600220 (TAB 113) 60600298		25699 25724,46,48 M 100 12 Volt
	1-LAS 43 1-LAS 47 1-LAS 48			10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	
			replaced by LASX 43-44	P/N 0 1628 1	
	<b>LASX 44-45</b> <b>P/N 0 1620 1</b>	Lucas	60600196 (TAB 116)		25631,59,68,70,77-83,94,97 25700,1,45 M 100 12 Volt
	1-LAS 45 1-LAS 44		54243725	10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	
			set w/o. terminal	LASX 43-44/0 P/N 0 1619 1	
	<b>LASX 73-41</b> <b>P/N 0 1621 1</b>	Lucas	60600767 (TAB 103) 9937303 FIAT		25326,31-33,35-40,44,49-51,54-57,59-62,65,66, 69-72,74-80,82-85,87-89,97,98 25404,05,10,11 M 90 12 Volt
	1-LAS 41 2-LAS 73		54265216	9/3,5 x 11,6 x 15,9 9/3,5 x 11,6 x 15,9	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JA-SX 16-17</b> <b>P/N 0 1998 1</b>	Mando Melroe		MOT84881 MOT85381 36100-38090 M60081 M60082 12 Volt
	1-JAS 16	positive brush	4,5 x 12 x 15,5	
	2-JAS 17	pair negative single brush	4,5 x 12 x 15,5	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 3</b> <b>P/N 0 1662 1</b>	Marelli			MT31AC,43DC 632 131 27, 632 143 49 24 Volt
	4-MAS 3		743 713 10, 09010905	9 x 20 x 26	
	<b>MASX 13-14</b> <b>P/N 0 1663 1</b>	Marelli			MT67A,AA,AB,AC,B,BA,C,CA,D,DA,DB,F,FA,FB,G,H,L 632 167 01-04,06-08,10,25-27,33,38,40,47,48,63 24 Volt
	2-MAS 13 2-MAS 14		723 632 01, 09927791 723 632 02, 09927792	8 x 25 x 23 8 x 25 x 23	
	<b>MASX 15-16</b> <b>P/N 0 1664 1</b>	Marelli			MT68AA,AB,B,BA,H,LA,LB,M,MA,MB,P,PA,Q,QA,R 632 168 02,8,11,14,15,16,25,26,27,33, 51,59,73,74,76,98 12 Volt - 3,5 kW
	2-MAS 15 2-MAS 16		723 632 03/05/07, 9929080 723 632 04/06, 9928448	10 x 25 x 23 10 x 25 x 23	
	<b>MASX 17-18</b> <b>P/N 0 1665 1</b>	Marelli			MT71A,D,E,FA,H,L,LA,N,R,S,T,U,V,Z 632 171 01,04-08,10,12,16-21,25,38,47,73,82 632 174 01-04 12 Volt
	2-MAS 17 2-MAS 18		723 837 01, 09956556, 79019316 723 837 02, 09956552, 79019317	9 x 16 x 23 9 x 16 x 23	
	<b>MASX 19-20</b> <b>P/N 0 1666 1</b>	Marelli			MT72AB 632 172 25 24 Volt - 3,0 kW
	2-MAS 19 2-MAS 20		723 837 03/05 723 837 04/06	9 x 16 x 23 9 x 16 x 23	
	<b>MASX 21-22</b> <b>P/N 0 1668 1</b>	Marelli Bosch	(721 650 01 + 721 659 01) 2 007 014 012		MT 67 AD,CB 632 167 31,41 24 Volt - 4,0 kW 0 001 360 002-005,008,009, 012,013,020 JD4/24V
	2-MAS 21 2-MAS 22		721 624 02 721 624 01  Replacement for IKSX 10-11 Replacement for BSX 67	8 x 25 x 23 8 x 25 x 23  P/N 0 1537 1 P/N 0 1119 1	






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 23-24</b> <b>P/N 0 1669 1</b>		(721 647 01 + 721 658 01)		MT 68 AD,LC,MC,PA,PB,RA,S,T
		Marelli	2 007 014 011		632 168 17,18,31,52,61,84,96
		Bosch			12 Volt - 3,5 kW
	2-MAS 23		721 624 04	10 x 25 x 23	0 001 359 001,004,006-008,011-014,
	2-MAS 24		721 624 03	10 x 25 x 23	016,018,019,021,024-026, 028,030,031,033-035
			Replacement for IKSX 12	P/N 0 1538 1	IDR 12V28
			Replacement for BSX 62	P/N 0 1118 1	JD 4/12V
	<b>MASX 25-26</b> <b>P/N 0 1670 1</b>		(721 641 01 + 721 660 01,02)		MT 71 AB,DB,FB,GB,HB,RB,SB,LA,TA,UA,VA
		Marelli	(721 641 01 + 721 684 01)		MT 74 AA,BA,DA
	2-MAS 25		721 613 02	9 x 16 x 23	632 171 26,48,54,56,58,63,80,86,88,97
	2-MAS 26		721 613 01	9 x 16 x 23	632 174 07,08,10,25,33,47
			Replacement for IKSX 5-6	P/N 0 1534 1	12 Volt - 2,5 kW
	<b>MASX 27-28</b> <b>P/N 0 1671 1</b>		(721 641 02 + 721 657 01)		MT 72 AB
		Marelli			632 172 26
	2-MAS 27		721 613 04	9 x 16 x 23	24 Volt - 3,0 kW
	2-MAS 28		721 613 03	9 x 16 x 23	






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 23</b> <b>P/N 0 1980 1</b>		Melco		SM302-02 SM302-07 SM302-08 SM302-18 31200-PC6-663 31200-PD2-663 31200-PEO-664 31200-PE1-674 31200-PH3-953 12 Volt
	4-JAS 23	Mazda Mitsubishi	M648D10471  0135 18 444A,445A MD602593,594	6,0 x 14 x 16	
	<b>JASX 29</b> <b>P/N 0 1949 1</b>		Melco		ME-Y1R ME-Y3R 12 Volt
	4-JAS 29	Mazda Mitsubishi Nissan	M648C10171 M648C10671  0603-23-643 E64457044M 23380-10611 23380-21010	6,8 x 16,5 x 14	
	<b>JASX 38</b> <b>P/N 0 1936 1</b>		Melco		M2T54272 M3T54071,-54072 12 Volt
	4-JAS 38	Mitsubishi	M648C25271 M648C25273  Brush Holder: M649T04372 MD607461	8 x 20 x 18	
	<b>JASX 40-41</b> <b>P/N 0 1953 1</b>		Melco		M0T70281,-70285,-71981,-81181, M0T82081,-84381 M1T60081,-60181,-60185,60281, M1T60381,-60581,-71381,-71881
	1-JAS 40 2-JAS 41	Mitsubishi Nissan	M647C00271,272 M647C00571,573 M648C31171 MD611216 MD611217 23380-421-70 23379-AA000  Brush-Holder M649T09371/M649T01271	4,5 x 12 x 17,5 4,5 x 12 x 17,5	
	<b>JASX 42-43</b> <b>P/N 0 1954 1</b>		Melco		M1T66081,-66082 M1T71781,-74081,-74087,-74281, M1T74381,-74481,-74491,-74583, M1T74851,-75181,-75781 12 Volt
	1-JAS 42 2-JAS 43	Mazda Mitsubishi	M647C00371 M647C00671 M647C01771 M648C32971  Brush Holder: M649T01671/M649X01771  N327-18-X66 MD611918	4,5 x 18 x 17,5 4,5 x 18 x 17,5	
	<b>JASX 44-28</b> <b>P/N 0 1941 1</b>		Melco		M0T60081,-60081A,-80081,80281, M0T80281ZC,-80285,-80381,-80581, M0T8080831,-80881 M1T60281,-60285,-60285A 12 Volt
	1-JAS 28 1-JAS 44		pair of negative brushes pair of positive brushes  Brush Holder: M321X05171 M647X03471,04571 M647X05571,05871	4,5 x 12 x 12,5 4,5 x 12 x 12,5	



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 45-46</b> <b>P/N 0 1956 1</b>		Melco		M2T40081 12 Volt
	1-JAS 45 2-JAS 46		M647C00171 M648C16471, M648D20671  Brush Holder: M649T01571	4,5 x 10 x 17,5 4,5 x 10 x 17,5	
		Mitsubishi	MD607897 MD607899		
	<b>JASX 47-48</b> <b>P/N 0 1957 1</b>		Melco		M5T25373 M5T27672 12 Volt
	2-JAS 47  2-JAS 48		M648C20371 M648C22371  M648C24471 M648C24472 M648D20671 M648D20771	6,5 x 19 x 19,3  6,5 x 19 x 19,3	
		Mazda Mitsubishi Nissan	0839-24-723 MM502019 MM502135 23379-37504  23379-99008 23379-J2000 23380-37504 23380-37505 23380-J2000 29042-L7000 29142-L5000 29142-L7005 29242-L4005		
	<b>JASX 68-73</b> <b>P/N 0 1976 1</b>		Melco		M0T70681,-70781,-71581,-71681, M0T82081,-82081ZE,-85381 M1T60081,-60281,-70483,-71381, M1T71382,-71382ZC,-72581,-72583, M1T72583G,-73281,-73283,-73285, M1T73383,-77681 12 Volt
	1-JAS 68 2-JAS 73	Positive Pair Single Brush	M647C00871  Brush-Holder M649T09371	4,5 x 12 x 16,5 4,5 x 12 x 16,5	
		Mitsubishi	MD611731 MD618619		
	<b>JASX 69-70(3)</b> <b>P/N 0 1970 1</b>		Melco		M2T10171,-20181A,-20281,-23685 M3T10475,-10476,-10672,-11173, M3T11174,-11272,-12572,-15772 12 Volt
	1-JAS 69 2-JAS 70		M648C12170,12370 M648C13770  Brush Holder: M649T03571	6,8 x 11,8 x 17,2 6,8 x 11,8 x 17,2	
		Mazda Mitsubishi Nissan Suzuki	0222-24-753 0426-24-753 MD602470/MD607389 23380-U0110/E3010 31132-72030/31		


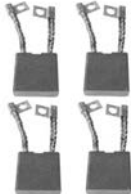

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 69-70(4)</b> <b>P/N 0 1971 1</b> Melco				
	2-JAS 69 2-JAS 70		M648C12170 M648C13770,M648C13771 M648X28771,M648X30971 Brush Holder: M649T04471 M649X03171,09571	6,8 x 11,8 x 17,2 6,8 x 11,8 x 17,2	12 Volt  M1T50171 M2T10171,-10271,-10471,-20181, M2T20181A,-20182,-23181,-23685, M2T24181,-24281,-25481,-25581, M2T25681,-50391,-50571,-50575, M2T51681,-52871,-54091,-58081, M2T58581,-58681,-58781,-58881
	<b>JASX 70</b> <b>P/N 0 1967 1</b> Melco				
	4-JAS 70		M648C13770 M648C10371B  Brush Holder: M649T04171,04973	6,8 x 11,8 x 17,2	4 insulated brushes 12 Volt
	<b>JASX 71</b> <b>P/N 0 1973 1</b> Melco				
	4-JAS 71		M648C25671,M648C26771  Brush Holder: M649T02171,02172	8 x 24 x 17	M4T66074,-66173  12 Volt
	<b>JASX 71-72</b> <b>P/N 0 1972 1</b> Melco				
	2-JAS 71 2-JAS 72		M648C25671,M648C28371 M648C25672,M648C28571 M648X40811,M648X40871  Brush Holder: M649T04971,4972	8 x 24 x 17 8 x 24 x 17	M2T60072,-60171,-60172,-60185, M2T60571,-66072,-92071,-92171, M2T92172,-92271 M3T56089,-56183,-66572,-67171, M3T67172 12 Volt
	Mazda				
			R201-18-X66 R201-24-750 S203-24-750 SE01-24-750 Mitsubishi ME700047/ME700290 ME700939		









IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>JASX 82-83(3)</b>				
	<b>P/N 0 1981 1</b> Melco			12 Volt
1-JAS 82		M648C14970	7 x 10 x 17	
2-JAS 83		M648C14870,-15070	7 x 10 x 17	
		Brush Holder: M649T01371,4871		
	Mando Melroe	36173-11140 36170-2170 Brush-Holder		
	Mazda	E301-24-753 E501-24-753		
	Mitsubishi	MD607554/MD607556		
	Nissan	23380-M8310 23380-M8311		
	Suzuki	31131-80090 31132-80090		
	Subaru	49206-5804 49207-5804		
<b>JASX 82-83(4)</b>				
	<b>P/N 0 1983 1</b> Melco			M2T13081,-13281,-13581,-20181, M2T20181D,-23081,-25772,-30281, M2T30381,-30385,-30481 M3T22681 12 Volt
2-JAS 82		M648C14970,-14971,-16970	7 x 10 x 17	
2-JAS 83		M648C14871,-15070,-16971	7 x 10 x 17	
	Mazda	B630-18-X66 B660-18-X66 E301-24-750, -753 E501-24-753		
	Mitsubishi	MD607554,MD607556		
	Nissan	23379-M8310 23380-M8311		
	Suzuki	31131-80090 31132-80090		
<b>JASX 90</b>				
	<b>P/N 0 1989 1</b> Melco			12 Volt
4-JAS 90		Brush Holder: M649T04372	8 x 20 x 17	
	Mazda	1456-24-723 1456-24-750		
	Mitsubishi	MD607461		
	Nissan	23378-W2810		
<b>JASX 91</b>				
	<b>P/N 0 1990 1</b> Melco			M1T50172 12 Volt Peugeot 205,309 Diesel
4-JAS 91		Brush Holder: M649T00771	7 x 14 x 16 flex 42 mm	
	Mitsubishi	M001T50172,471		
	Nissan	Diesel Gear Starter		
	PSA	JMTSX101		
<b>JASX 96-97</b>				
	<b>P/N 0 1995 1</b> Melco			M2T56071,-60071,-65271,-65272, M2T66873,-67884,-80582 24 Volt
2-JAS 96		M648C26371	6,8 x 18 x 18	
2-JAS 97		Brush-Holder M648X28671/M649T05072	6,8 x 18 x 18	
	Mitsubishi	ME700140/ME701169		
	Nissan	23330-T9000		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 98-99</b> <b>P/N 0 1994 1</b> Melco				
	2-JAS 98 2-JAS 99		M648C15372 M648C15472	6,8 x 18 x 18 6,8 x 18 x 18	M2T54871,-54881,-56181,-56182, M2T56185,-57271,-57273,-57771, M2T57773,-57871,-57881,-60172 12 Volt
	Brush Holder: M648X28271/M649T05071				
	Mazda Mitsubishi Nissan		8599-24-750 MD618460 ME700127/ME701188 23378-W3410		
	<b>JASX 100</b> <b>P/N 0 1999 1</b> Melco				
	4-JAS 100	M648C35871		4,3 x 12 x 12,3	M0T20871 12 Volt
	<b>JASX 103-104</b> <b>P/N 0 1932 1</b> Melco				
	2-JAS 103 2-JAS 104			8,0 x 30 x 18,2 8,0 x 30 x 18,2	M9T60371,60471,60671,60672, M9T61171,61571,61671, M9T80472,80473,83671 5.5 kW 24 Volt
<b>NEW</b> 	<b>JA-SX 110-111</b> <b>P/N 0 1922 1</b> Melco				
	1-JAS 110 2-JAS 111			4,5 x 12 x 12,5 4,5 x 12 x 12,5	M0T86081 M1T85781 MD362207 12V




IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JA-SX 21 (4)</b> <b>P/N 0 1987 1</b>	Mitsuba	6 x 14 x 15	D7RSA7, D7RS7 12Volt Honda 31208-PC2681 Mitsuba SM302
4-JAS 21				
	<b>JASX 24-25</b> <b>P/N 0 1979 1</b>	Mitsuba	5 x 17 x 16.5 5 x 17 x 16.5	D7RSA 4,8-11 12 Volt Honda 31200-P45C0 Mitsuba SM402
1-JAS 24 1-JAS 25	Valeo	negative Brush pair positive Brush pair 186169,187387-390		


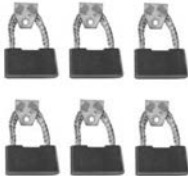




IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PLSX 3</b> <b>P/N 0 1690 1</b>	Pal Magneton	8 x 12 x 22	09-914 0,7/0,8/12 10-199-4009/12 12 Volt
4-PLS 3		110-904300,02-8480-82		
	<b>PLSX 4</b> <b>P/N 0 1691 1</b>	Pal Magneton	8,8 x 26,6 x 26	12 Volt
4-PLS 4		93-22-32		
	<b>PLSX 5</b> <b>P/N 0 1689 1</b>	Pal Magneton	6 x 12,5 x 12,5 flex length 30mm	443 115 141 310/311 Skoda Favorit, Felicia 12 Volt
4-PLS 5				

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 60</b> <b>P/N 0 1284 1</b>	Remy	1906945, 966 (D757) 1946400 (D760)	6,3 x 19,05 x 16	1107201,1107619-895, 1108284,1108300-8307,8390,9439 199829 5 MT,8MT,10MT,SD300 Hyster Fork Lift 12 Volt
	<b>RX 70 (4)</b> <b>P/N 0 1285 1</b>	Remy	1906986 1946407,1946483	9,5 x 19,05 x 19	24 Volt
	<b>RX 87</b> <b>P/N 0 1287 1</b>	Remy	1906958,962,968,987 (D759,D761)	9,5 x 19,05 x 19	30 MT,35 MT 12 Volt
	<b>RX 92</b> <b>P/N 0 1296 1</b>	Remy	1906918,989 1946426,487	7,9 x 19,05 x 19	1109961-98 24 Volt
	<b>RX 95</b> <b>P/N 0 1288 1</b>	Remy	1946434, 1976861	9,5 x 19,05 x 19	1107506-88 20MT,25 MT Clark Fork Lift 6/12 Volt
	<b>RX 96</b> <b>P/N 0 1286 1</b>	Remy	1852880 (D764)	7,9 x 19,05 x 19	22MT,27MT 12 Volt

# KOHLEBÜRSTEN CARBON BRUSHES



# REMY







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 120 (2)</b>				
	<b>P/N 0 1250 1</b>	Remy	3471506 (DR 751)		3471143 12 Volt
	1-R 909		3471487	6 x 16 x 14	
	1-R 924 C		3471488 w. clip	6 x 16 x 14	
	2-springs				
	<b>RX 120 (3)</b>				
	<b>P/N 0 1291 1</b>	Remy	3471764 w. Brush-Holder		12 Volt
	1-R909		3471009 / 3471487	6 x 16 x 14	
	1-R922		3471022	6 x 16 x 14	
	1-R924		3471024	6 x 16 x 14	
	<b>RX 120 (4)</b>				
	<b>P/N 0 1251 1</b>	Remy	3471505 (DR 700)		3471141,144 12 Volt
	2-R 909		3471009	6 x 16 x 14	
	1-R 922-924 C		3471022 + 3471024 w. clip	6 x 16 x 14	
	4-springs				
	<b>RX 120/0 (4)</b>				
	<b>P/N 0 1295 1</b>	Remy	3471783,3471834		3471155,169,170,173-176 12 Volt
	2-R 909/0		3471009 w/o. Brush-Holder	6 x 16 x 14	
	1-R 922		3471022	6 x 16 x 14	
	1-R 924		3471024	6 x 16 x 14	
	<b>RX 122</b>				
	<b>P/N 0 1280 1</b>	Remy	1852884	9,5 x 38,1 x 21,4	40 MT 400,450 12 Volt
	4-R122				
	<b>RX 122 H</b>				
	<b>P/N 0 1256 1</b>	Remy	1852883	9,5 x 38,1 x 21,4	40 MT 400,450 24 Volt
	4-R122 H				







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 124</b> <b>P/N 0 1281 1</b>	Remy	1852887	7,9 x 38,1 x 20,6	50 MT 400 12 Volt
	<b>RX 124 H</b> <b>P/N 0 1257 1</b>	Remy	1852888	7,9 x 38,1 x 20,6	50 MT 400 1114683,84,86,89 24 Volt
	<b>RX 134</b> <b>P/N 0 1282 1</b>	Remy	1852892	10,5 x 36,6 x 24,4	42MT 12 Volt
	<b>RX 134-2C</b> <b>P/N 0 1264 1</b>	Remy	10159505 two component grade  replaces RX 134 fits old Brush Holder	10,5 x 36,6 x 24,4	42 MT latest model 12 Volt
	<b>RX 134 H</b> <b>P/N 0 1259 1</b>	Remy	1852894	10,5 x 36,6 x 24,4	42MT 24 Volt
	<b>RX 134 H-2C</b> <b>P/N 0 1265 1</b>	Remy	10520138 two component grade  replaces RX 134 H fits old Brush Holder	10,5 x 36,6 x 24,4	42 MT latest model 24 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 135</b> <b>P/N 0 1283 1</b>	Remy	1852889	9,5 x 28,6 x 26,3	37 MT, 41MT 12 Volt
	4-R135				
	<b>RX 135 H</b> <b>P/N 0 1260 1</b>	Remy	1852893	9,5 x 28,6x 26,3	37 MT, 41MT 24 Volt
	4-R135 H				
	<b>RX 419-420</b> <b>P/N 0 1254 1</b>	Remy	10457119 10457120	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	10479600,05,08,11,12 1113272,77,91 28 MT Nikko Denki 0-23740-0110 24 Volt
	2-R 419 2-R 420				
	<b>RX 457-458</b> <b>P/N 0 1255 1</b>	Remy	10456457 10456458	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	1113273-82,86-88,90 292,95-97 323-451 28 MT 12 Volt Clark,Hyster,MF
	2-R 457 2-R 458				
	<b>RX 911</b> <b>P/N 0 1252 1</b>	Remy	R138 1852898	5,5 x 15 x 14,5	9000751,56,58 PG 100 12 Volt Opel Unit-Nos. 21020892,21021648
	4-R 911				
	<b>RX 912</b> <b>P/N 0 1253 1</b>	Remy	R139 10499524 Brush holder: 10475602	6 x 19 x 16	9000786,798,804-806,812,819,822 827,834,835,850,851,853, 860-867,899,900 PG 260M 12 Volt
	4-R 912				









IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 913-914</b> <b>P/N 0 1272 1</b> Remy	Positive Brush-Pair Negative Brush-Pair  Brush holder: 10475107	4,6 x 13 x 11/12 4,6 x 13 x 11/12	1045506,96208781,9627548 Daewoo SD80F 12 Volt
	<b>RX 915</b> <b>P/N 0 1273 1</b> Remy	10484034	5 x 16 x 11/12,5	9000794,801,817,840 96208782,783,785 PG 150, PG 260F1 12 Volt







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 55-76</b> <b>P/N 0 1738 1</b>	Valeo	Paris Rhone 72 616F Valeo 182 069  replaced by PSX 132	P/N 0 1769 1	D8L11,19,20 6/12 Volt
	<b>PSX 64-70 (2)</b> <b>P/N 0 1741 1</b>	Valeo	Paris Rhone 72 591A Valeo 182 097  replaced by PSX 64-70 (4)	P/N 0 1742 1	D10B38-41,44,45 12 Volt
	<b>PSX 64-70 (4)</b> <b>P/N 0 1742 1</b>	Valeo	Paris Rhone 75 452X Valeo 182 098,102,103  2-PS 64 2-PS 70  34t19 34t	7 x 18 x 17 7 x 18 x 17	D10E47,72-74,79,96 D11E79,D109,110,142,143,159,165 12 Volt
	<b>PSX 81-82</b> <b>P/N 0 1746 1</b>	Valeo	Paris Rhone 72 631G, 75 093G 300 679 Valeo 182 114,115,117  2-PS 81 2-PS 82  70f 70f34	10 x 25 x 17 10 x 25 x 17	D11E92,T,104,117-121,127,129,T,131,137, 141,146,149,153,T,154,155,158,160,167, -T 169,173,176,178,202 12 Volt
	<b>PSX 83-84</b> <b>P/N 0 1750 1</b>	Valeo	Paris Rhone 72 630F Valeo 182 132,145 70j 70j34	10 x 25 x 17 10 x 25 x 17	D11E81,T,88,89,T,TE,90,T,98,T,TE,99,T, 103,114,122,T,124,125,128,T,130,138T,149 D13E63,T,64-66,T,69,T,70,T,71,73,TE 74,TE,81,T,TE,82T,83-85,88,90TE,95, 100TE,101TE,104TE,105,108TE,111,112,116 24 Volt
	<b>PSX 88</b> <b>P/N 0 1756 1</b>	Valeo	Paris Rhone 72 615E Valeo 182 162  4-PS 88  53j15	12 x 18 x 20	D15E14-16,19-23,24,T,25-30,T,TE 24 Volt







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 89-90</b> <b>P/N 0 1747 1</b>	Valeo	594286	10 x 25 x 20 10 x 25 x 20	D13HP601,605 24 Volt
	2-PS 89 2-PS 90				
	<b>PSX 112</b> <b>P/N 0 1755 1</b>	Valeo	Paris Rhone 78 900U Valeo 182 146	10 x 18 x 17	D13E76,77,86TE,87TE,93TE,94TE,96TE,98TE, 107TE,109TE,110TE 24 Volt
	4-PS 112		47u53		
	<b>PSX 115-116</b> <b>P/N 0 1757 1</b>	Valeo	Paris Rhone 92 655V Valeo 182 064	7 x 18 x 14 7 x 18 x 14	D8E21,22,L25,E27,30,31,37,41,43,49,50,54,58-60 64,66,70,71,75-78,81-84,86-89,94-98,102, 104,106,108,109,112-115,117-126,129,132-134 136,137,139,140,142,144,147,151,152,158 D9E7,9,11,12,14-22,26-28,34,35,37,41 D10E43,48-50,53,54,57,63-65,69,76,80,84,86 12 Volt
	1-PS 115 1-PS 116		52h 52h		
	<b>PSX 115-116-121</b> <b>P/N 0 1759 1</b>	Valeo	Paris Rhone 92 694G, 92 695H Valeo 182 099,112,113,116,133	7 x 18 x 14 7 x 18 x 14	D10E59,62,66 D11E58,69,75,78,84,85,108,123,139,T,140,144, 163,164,170,180,181,193 12 Volt
	2-PS 115 2-PS 116		52h 52h		
	<b>PSX 119-120</b> <b>P/N 0 1760 1</b>	Valeo	Paris Rhone 78 166L, 92 656W Valeo 182 070,072	7 x 15 x 14 7 x 15 x 14	D8E26,29,34,L35,E40,44-46,51,52,62, 65,L65,67,73,E74,L80,90-93,E99,103 107,111,116,130,131,141,148,154 12 Volt
	1-PS 119 1-PS 120		55h 55h		
	<b>PSX 129</b> <b>P/N 0 1766 1</b>	Valeo	Paris Rhone 92 878G Valeo 182 065, 594 065	10,6/6,1x10,3x15 10,6/6,1x10,3x15	D9E31,40,43-46,49-55,62,74,75,77,79,85, 87,95,98,100,102,104,111,131,138,140, 200,238,300,771-774,776,851,852 12 Volt
	1-PS 129 a 2-PS 129 b		80hb 80hb		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 132</b> <b>P/N 0 1769 1</b> Valeo		Paris Rhone 92 925 Valeo 182 118		D11E148,156,161,172,177,184, 187,188,191,192,195,272 12 Volt
	2-PS 132 a 2-PS 132 b		44t 44ta	10 x 18 x 14 10 x 18 x 14	
	<b>PSX 133</b> <b>P/N 0 1770 1</b> Valeo		Paris Rhone 300 706Z Valeo 182 067,594 066		D9E36,38,39,48,56,57,61,64,66,68-70,76,78, 81-83,86,92-94,101,107-110,113,114, 123-125,127,129,132,136,137,237, 276,278,701,702,861 12 Volt
	1-PS 133 a 1-PS 133 b		79hb 79hb  alternative brush set: PSX 133 K with clip IKA P/N 0 1763 1	13,9/6,9x12x15 13,9/6,9x12x15	
	<b>PSX 133 K</b> <b>P/N 0 1763 1</b> Valeo		Paris Rhone 300706 Valeo 182 067		D9E36,38,39,48,56,57,61,64,66 68-70,76,78,81-83,86,92-94, 101,107-110,113,114,123-125, 127,129,132,136,137,237, 276,278,701,702,861 12 Volt
	1-PS 133 b 1-PS 133 c	positive brush	with clip  alternative brush set: PSX 133 w/o. clip IKA P/N 0 1770 1	13,9/6,9x12x15 13,9/6,9x12x15	
	<b>PSX 136-137</b> <b>P/N 0 1771 1</b> Valeo		Paris Rhone 300 841H, 300 842		D10E85,87-90,92,881,882,921,922 12 Volt
	2-PS 136 2-PS 137		81ta 81ta	7 x 15 x 18,5 7 x 15 x 18,5	
	<b>PSX 138-139 (2)</b> <b>P/N 0 1775 1</b> Valeo		182 054		D9R84 D9R121 12 Volt
	1-PS 138 1-PS 139		82aa 82aa	9 x 18 x 22 9 x 18 x 22	
	<b>PSX 140-141 (4)</b> <b>P/N 0 1776 1</b> Valeo		182 051		D9R73,89-91,96,99,105,106,118,122,126, D9R135,139,142 12 Volt
	2-PS 140 2-PS 141		82ta 82ta	9 x 18 x 22 9 x 18 x 22	





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 142-143</b> <b>P/N 0 1779 1</b>	Valeo	185658 cable nu 35 mm 185658 cable isol. 35 mm	7 x 14 x 13,7 7 x 14 x 13,7	D7R ... , D8R ... 12 Volt
	2-PS 142 2-PS 143				
	<b>PSX 142-144</b> <b>P/N 0 1752 1</b>	Valeo	187778 cable nu 35 mm 187779 cable isol. 55 mm	7 x 14 x 13,7 7 x 14 x 13,7	D7R5,11,15 12 Volt
	2-PS 142 2-PS 144				
	<b>PSX 142-145</b> <b>P/N 0 1754 1</b>	Valeo	185658,187639,191861 cable nu 6 mm <sup>2</sup> , 35 mm 188571,191663,191862 cable isol. 3 mm <sup>2</sup> , 55 mm	7 x 14 x 13,7 7 x 14 x 13,7	D7R VW 12 Volt overload protection starter
	2-PS 142 2-PS 145				
	<b>PSX 146-147 w/o spring</b> <b>P/N 0 1783 1</b>	Valeo	594064  avec ressort P/N 0 3777 1	4,5/9 x 11 x 14 4,5/9 x 11 x 14	D6RA8,10 SH 1.2 kw 12Volt
	1-PS 146 1-PS 147 2-isolants				
	<b>PSX 146-147</b> <b>P/N 0 3777 1</b>	Valeo	594064  sans ressort P/N 0 1783 1	4,5/9 x 11 x 14 4,5/9 x 11 x 14	D6RA8,-10 SH 1.2 kw 12 Volt
	1-PS 146 1-PS 147 2-Isolants 1-Ressort	184602			
	<b>PSX 148-149 w/o spring</b> <b>P/N 0 1773 1</b>	Valeo	avec ressort P/N 0 3778 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA5,6,12,16,18,20,38,45,61 SH 1.1/1.2 kW 12 Volt
	1-PS 148 1-PS 149 2-isolants				




	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 148-149</b> <b>P/N 0 3778 1</b>	Valeo	594060  187069,188151 188389 564834 sans ressort P/N 0 1773 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA5,-6,-12,-16,-18,-20 D6RA38,-45,-61 SH 1.1/1.2 kw 12 Volt
	<b>PSX 148-149/0</b> <b>P/N 0 1774 1</b>	Valeo	594060  brush with flex only  alternative brush set PSX 148-149 IKA P/N 0 1773 1	4,5/9 x 11 x 18	D6RA5,-6,12,16,18,20 D6RA38,-45,-61 SH 1.1/1.2 kw 12Volt
	<b>PSX 148-157 w/o spring</b> <b>P/N 0 1777 1</b>	Valeo	594063  avec ressort P/N 0 3779 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA52-56,59,60,62,63,66,70,72,75,141,161,661,721 SH 1.0/1.05/1.1/1.2/1.3 kW SIH 1.1/1.2 kW 12 Volt
	<b>PSX 148-157</b> <b>P/N 0 3779 1</b>	Valeo	594063 594127 594257  187069,188151 188389 , 188855 186772,187068 sans ressort P/N 0 1777 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA7,-13,-15,-17,-19,-21-23,-25-30, D6RA32,-34,-39-44,-46,-48-50, D6RA52-56,-59,-60,-63,-66,-70,-72, D6RA75,-141,-161,-661,-721 SH 1.0-1.3 kw SIH 1.1/1.2 kw 12 Volt
	<b>PSX 148-158 w/o spring</b> <b>P/N 0 1768 1</b>	Valeo	594169  avec ressort P/N 03780 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kW 12 Volt
	<b>PSX 148-158</b> <b>P/N 0 3780 1</b>	Valeo	594169 594386  187069,188151 188389 , 188430 186865,187870 sans ressort P/N 0 1768 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA33,-37,-47,-51,-57, D6RA101,-133,-571 SH 1.0-1.4 kw 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 148-159 w/o spring</b> <b>P/N 0 1778 1</b>	Valeo	594317	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA67,78-81,91,167,180,181 SH 1.0/1.1 kW 12 Volt
			1-PS 148 1-PS 159 2-Isolants		
	<b>PSX 148-159</b> <b>P/N 0 3781 1</b>	Valeo	594317 594360	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA67,-78-81,-91, D6RA 167,-180,-181 SH 1.0/1.1 kw 12 Volt
			1-PS 148 1-PS 159 2-Isolants 1-Ressort		
	<b>PSX 152-153</b> <b>P/N 0 1780 1</b>	Valeo	182037	10 x 18 x 17 10 x 18 x 17	D13E117TE-123TE D13HP701-705,709 24 Volt
			4-PS 152 2-PS 153		
	<b>PSX 155 (3)</b> <b>P/N 0 1727 1</b>	Valeo	187144	6,4 x 8 x 11	D7E 1,16.29-32 SH 0.7/0.8/0.85 kW 12 Volt
			3-PS 155		
	<b>PSX 155 (4)</b> <b>P/N 0 1728 1</b>	Valeo	187144	6,4 x 8 x 11	D7E4,6,8,15,18-20,22,27 D7ED28 SH 0.8/0.85/1.0 kW 12 Volt 12 Volt clockwise Mercedes A-Class
			4-PS 155		
	<b>PSX 156</b> <b>P/N 0 1726 1</b>	Valeo	187888	6,4 x 8 x 11	D7ES 2,4,5 SIH 0.9 kw anticlock 12 Volt VW
			4-PS 156		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 160-164</b> <b>P/N 0 1735 1</b>	Valeo	190986, 191060		190365 D7G3, -4, -6, -11 SH 1.5-1.7 kW 12 Volt overload protection starter Audi, BMW, PSA
	2-PS 160		positive brush with 2 shunts 28mm	7 x 13 x 11,5	
	2-PS 164		negative brush with 1 shunt 25,5mm	7 x 13 x 11,5	
	<b>PSX 161</b> <b>P/N 0 1737 1</b>	Valeo			D8R 1,27 SH 1.9/2.4 kW 12 Volt
	4-PS 161		1903131	7 x 14 x 13,7	
	<b>PSX 163-164</b> <b>P/N 0 1740 1</b>	Valeo	190987, 191824		D7G SIH 12 Volt overload protection starter VW
	2-PS 163		positive brush with 2 shunts 50mm	7 x 13 x 11,5	
	2-PS 164		negative brush with 1 shunt 25,5mm	7 x 13 x 11,5	
	<b>PSX 166-167</b> <b>P/N 0 1743 1</b>	Valeo			D6G1,2,3,5 SH c/w 12 Volt BMW, Fiat, Mercedes, PSA
	2-PS 166		191849	3,9/6,4 x 10 x 15,5	
	2-PS 167		191771	3,9/6,4 x 10 x 15,5	
	<b>PSX 168-167</b> <b>P/N 0 1744 1</b>	Valeo			D6GSP19 SH c/w 12 Volt overload protection starter Audi
	2-PS 168		192985	3,9/6,4 x 10 x 15,5	
	2-PS 167		191771	3,9/6,4 x 10 x 15,5	
	<b>PSX 169-170</b> <b>P/N 0 1745 1</b>	Valeo			D6GS11-13 SIH a/c 12 Volt overload protection starter VW
	2-PS 169		191772	3,9/6,4 x 10 x 15,5	
	2-PS 170		191773	3,9/6,4 x 10 x 15,5	








	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 171-172</b> <b>P/N 0 1739 1</b> Valeo				ESW20E26 ESW20ER 6,-20,-25 ESW20ER 121,-123 1.6/2.0 kw 12V Renault 1.6 D VW 2.0 TDI
	4-PS 171 2-PS 172	single brush pair of brushes	flex 35 mm flex 100 mm two component grade  replaced by PSX 175-176-171	7 x 11 x 12.5 7 x 11 x 12.5  P/N 0 1758 1	
	<b>PSX 174</b> <b>P/N 0 1751 1</b> Valeo				ESM starters Hyundai startstop starters
	6-PS 174		1197541 two component grade	4.4 x 19.9 x 11.4/13.2	
<b>NEW</b>	<b>PSX 175-176-171</b> <b>P/N 0 1758 1</b> Valeo				ESW starters 2nd serie ESW20E26 ESW20ER 6,20,25,121,123 12V 1.6/2.0kw Renault 1.6 D VW 2.0 TDI
	4-PS 171 2-PS 175 2-PS 176	negative flex 35 921 positive flex 40 923 positive flex 30 924	two component grade replacement for PSX 171-172 P/N 0 1739 1	7 x 11 x 12.5 7 x 11 x 12.5 7 x 11 x 12.5	
	<b>USX 50-51(4)</b> <b>P/N 0 1354 1</b> Valeo		Ducellier 618509		412A,428AB,429B,430B,432A,443AB 6008ABC,39A,40A,56ACDEFGHJ,62A,68A, 6070A,75A,76A,79BCD,83ABCD,85A,88A,89A, 6097A,98A,99ABCD 6103A,4A,8A,9ABCDEFHJKL,10ABC,16A-18S 6127ABC,40A,42A,46A,53A,58A,60ABCDEF,6 164ABC,68AB,69AB,77ACD,79A,80AB,82A 6184AC,92ABCJ,KL,93AB 6207ABC,9AB,29AB,30AB,32A,33A 536 001,2C 538 000ABC, 1A-3A,5AD,6A 618 072H,75AC,89AB 6/12 Volt
	2-US 50 2-US 51		98067,79249,680548 98068,79248,680549  Replacement for USX 50-51(2)	8,8 x 19,05 x 13 8,8 x 19,05 x 13  P/N 0 1353 1	
	<b>USX 60-59</b> <b>P/N 0 1355 1</b> Valeo		Ducellier 75238, 618481		434AB,5130A, 6010ABDE, 18A,60A,80B6112ABCDE, 13AB 6020ABCD,23ABCDE,33,34AB,35ABCDE 6048,49A,50ABC,73ABCD,77ABC,81ABCDEF, 6101AB,21A,22AB,28AB,29A,30A,34ABCDEF,6 120A,35ACDE,48A,67A,88A 6136ABD,37ABCDEF,38ABC,39AB,43A,44AB,47AB, 6155ABCEG,57A,61ABCFH,62ACE,70A,71A, 6172AB,74ABCDEF,75AB,76ABCEG,81A,83ABCFG, 6185ABC,87ABCEF,89ACDEF,90AB,95A,97A 6202AB,3ABCD,6AB,8A,12AB,15ABCD,16ABC,17ABCDE, 6219ABC,20ABC,21A,23A,24BCD,26A,27ABCD,31ABCD, 6236BC,37ABCD,38ABCD,40A-42A,44A,45A,47AB, 532000AB,1AB,2ABC,3AB,4ABC,5A,7A,8ABC,9AB, 532010AB,11A,14A,17A,18A,20AB, 533000A-4A 583008 618070,71,73,74,77,78,91, 618358,482,484,490 618565,795 6/12 Volt
	1-US 60 1-US 59		99562 99556  Replacement for USX 44-21 USX 45-23 USX 76-77-78 (2 sets)	8 x 15 x 15 8 x 15 x 15  P/N 0 1351 1 P/N 0 1352 1 P/N 0 1363 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>USX 73-85</b> <b>P/N 0 1361 1</b> Valeo	Ducellier 618491		6020EF,35F,77BC,81EF 6134FGH,36ABD,37ABCE,39BC,44AB 6155HIKL,61ABCEFH,62ACE, 6172B,74ADBCEFGH,75AB,76EG 6181A,83ABCFG,85ABC,87CEF,89DEF, 6190AB,95A,97A, 6201ABCD,2AB,3ABCD,6AB,8AB,12AB,15ABCD, 6216ABC,17ABCDE,18A,19ABC,20ABC,21A-23A, 6224ABCD,26A,27ABCD,31ABCD,36BC,37ABCD, 6238ABCD,40A-42A,44A,45A,47AB 6627AB 532000AB,1AB,2ABC,3AB,B,4AB,C,5A,7A,8ABC 532009AB,10AB,11A,14A,17A,18A,20AB, 533000A,1A,2A,3A,4A 618074,77,91 618482,84 12 Volt
	1-US 73 1-US 85	(cable 41 mm) (618 421)	8 x 15 x 15 8 x 15 x 15	
	<b>USX 76-77-78</b> <b>P/N 0 1363 1</b> Valeo	Ducellier 618539		6178ABCDE,6200AB,25AB,39AB, 536 001A 618 076ABC 12 Volt
	4-US 60	99562  replaced by USX 60-59 2 sets necessary	8 x 15 x 15  P/N 0 1355 1	
	<b>USX 91-92</b> <b>P/N 0 1367 1</b> Valeo	Ducellier 618691,692 Valeo 583 041		6202CDEF,17FGH,41B,46AC 532012AB,16AB,21A,23A,24AB,25AB,26A, 534000A,2A,3ABC,4AB,5ABC,7A,9ABC,23A,24A,29A,31A, 534032A,39A,42AB,43AB,44A-49A,50AB,51A,52A,53C,54D, 534055E,57A 12 Volt
	1-US 91 1-US 92	Ducellier 680 752 Ducellier 680 753	6/11,7 x 13 x 15 6/11,7 x 13 x 15	

# KOHLEBÜRSTEN CARBON BRUSHES

# HEATER MOTOR

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 3</b> <b>P/N 0 1795 1</b>	LEECE/ NEVILLE	( H 3 R )	7,1 x 7,1 x 14,3	
	<b>HX 6</b> <b>P/N 0 1785 1</b>	LUCAS / SMITH		6,3 x 6,3 x 11,9	Lucas EWD Smith eHS 340, MKI
	<b>HX 16</b> <b>P/N 0 1794 1</b>	DUCELLIER	92 330 / 90 177	6 x 6 x 11,5	
	<b>HX 26</b> <b>P/N 0 1796 1</b>	WEBASTO		9 x 6 x 16,5	
	<b>HX 54</b> <b>P/N 0 1793 1</b>	BOI-WO	EP523BOS Heat-on	5 x 6,4 x 10	
	<b>HX 56</b> <b>P/N 0 1786 1</b>	ELEKTROLUX		5 x 6 x 12,7	Volvo KS3442/21/140




# KOHLEBÜRSTEN CARBON BRUSHES



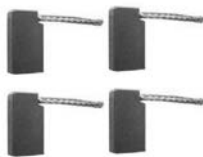

# HEATER MOTOR

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 106</b> <b>P/N 0 1798 1</b>	AVOG	00-14-16-31	12 x 8 x 21	
	<b>HX 109</b> <b>P/N 0 1797 1</b>	WEBASTO	30HL1A, 1599-1721-0602	5 x 6,4 x 15	
	<b>HX 116</b> <b>P/N 0 1790 1</b>	BOSCH	3 137 014 109 / 100 3 134 320 026 / 025	6,3 x 6,3 x 11	0 130 056 ... 0 130 057 ... 0 130 059 ... 0 130 065 001,008 0 130 997 005 CPH, CRG, CRH
	<b>HX 124</b> <b>P/N 0 1791 1</b>	BOSCH	3 137 014 123 / 163 3 134 320 035 / 061	8 x 8 x 14	0 130 106 001,003,005,008,012,014,016 0 130 205 001 DPC, EPA12
	<b>HX 155</b> <b>P/N 0 1788 1</b>	BOSCH	3 137 014 171 3 134 320 155	8 x 6,3 x 11	0 130 061 ... 0 130 063 ... 0 130 068 001,004,006,009,011,013,017 CPA, CPB, CPL
	<b>HX 161</b> <b>P/N 0 1799 1</b>	BOSCH	3 137 014 162 3 134 320 161	6,3 x 5 x 12,5	0 130 106 002,004,007,010,015,017,019, 0 130 106 020,024,025,028-035 CPK

# KOHLEBÜRSTEN CARBON BRUSHES


# HEATER MOTOR







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 172</b> <b>P/N 0 1789 1</b> 2-H 172	BOSCH 3 137 014 202 3 134 320 101 / 172	8 x 8 x 15	0 130 701 019 JPK24
	<b>HX 341</b> <b>P/N 0 1792 1</b> 2-H 341	BOSCH 3 134 320 341	8 x 10 x 19,5	
	<b>HX 346</b> <b>P/N 0 1787 1</b> 2-H 346	BOSCH 3 137 014 111 3 134 320 164 / 346	8 x 6,3 x 14	0 130 103 ... 0 130 104 001 0 130 105 ... 0 130 107 001,003 DPG12, DRB, DRH12

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HPIX 1</b> <b>P/N 0 1800 1</b>	MAD Faurecia	HPI-KOYO 145 110 411 034	6,95 x 12,4 x 20,3	
	4-HPI 1				
	<b>HPIX 3</b> <b>P/N 0 1802 1</b>	MAD2 Faurecia	141 110 411 037 fits Brush Card: 7 5001 0 and 7 5002 0 Spring Kit: 7 5101 2	5,95 x 12,4 x 20	Citroen Saxo, Peugeot 106 Renault Kangoo Renault Trafic Engine Cooler
	4-HPI 3				
	<b>HPIX 4</b> <b>P/N 0 1803 1</b>	Siemens-VDO	fits Brush Card: 7 5003 0	5,45 x 12,2 x 22	Mercedes A-class
	4-HPI 4				
	<b>HPIX 5</b> <b>P/N 0 1804 1</b>		145 110 400 072 fits Brush Card: 7 5004 0	5.90 x 10.8 x 27	BMW Mini
	4-HPI 5				

# KOHLEBÜRSTEN CARBON BRUSHES

# MOTORCYCLE

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 1</b> <b>P/N 0 1943 1</b>	Denso	028530-0932,1020,1030	6 x 9 x 12,5	028000-8411,9133,9872,9882 128000-1431,4461,4590 Motorcycle 12 Volt
	<b>JASX 2</b> <b>P/N 0 1946 1</b>			5 x 10 x 12,5	Motorcycle 12 Volt
	<b>JASX 4</b> <b>P/N 0 1337 1</b>		complete with: 2 springs, 2 screws 2 washers	5 x 7 x 6,3	Suzuki: Chrystal, Shogun, Tornado 125 ccm 12 V
	<b>JASX 5</b> <b>P/N 0 1338 1</b>		complete with: 2 springs, 2 screws, 2 washers	5 x 7 x 7,3	Yamaha: Alfa, Force 1, Cub 50 ccm 12 Volt
	<b>JASX 7</b> <b>P/N 0 1339 1</b>		31201-KSS-901  Brush Holder: 31206-KW1-901	6 x 10 x 13	Honda: Tiger 12 Volt
	<b>JASX 8</b> <b>P/N 0 1340 1</b>		31201-KPW-901 31201-MBE-008  Brush-Holder: 31206-KPP-T01 31206-MBE-008	6 x 7,5 x 7,3	31200-KPH-881 Honda: Carisma, Dream, Wave, CBR, CBF 125 ccm  12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 9</b> <b>P/N 0 1341 1</b>	31131B30D55N000  Brush Holder: 31132-13E00-000	5 x 7 x 8,1	Suzuki: Smash, GN 125 EX 125 ccm  12 Volt
	<b>JASX 13</b> <b>P/N 0 1342 1</b>	3KW-H1801-00 5VV-H1801-10	6 x 9,5 x 10	5P1-H1800-00 Yamaha: Nouvo 125 ccm 12 Volt
	<b>JASX 20</b> <b>P/N 0 1343 1</b>		6 x 6 x 7,5	
	<b>JASX 211</b> <b>P/N 0 1344 1</b>	3AY-H1801-00	5 x 7 x 7,3	Yamaha: Jupiter, Vixion, YZ-R, WR 125 ccm 12 Volt
	<b>JASX 107</b> <b>P/N 0 1345 1</b>	31206-KPW-901	6 x 10 x 10,5	Honda: Sonic, CBR 125 R 125 ccm 12 Volt
	<b>JASX 108</b> <b>P/N 0 1346 1</b>	31213-KEE-630	6 x 6 x 7,5	Honda: Vario, Click, Scoopy, CBS, Bali 100 EX, Vision 50, SCV 100 50 - 100 ccm 12 Volt



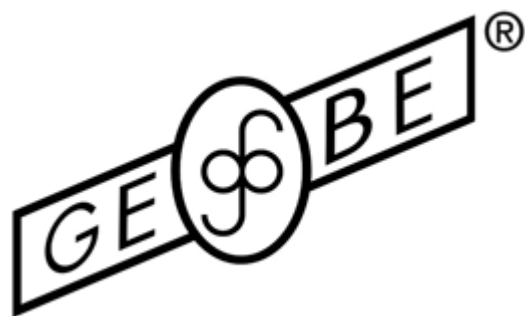
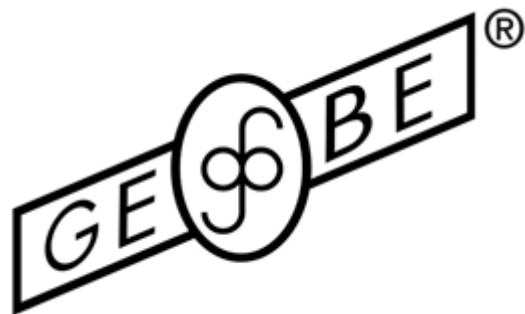
IKA-No. Original References Dimensions mm Unit-Nos.



JASX 109  
P/N 0 1347 1

6 x 6 x 7,5

31208-GB4-701  
Honda: Dream, Supra, Grand,  
Prisma, Star, Magna, C 90  
50 - 125 ccm  
12 Volt



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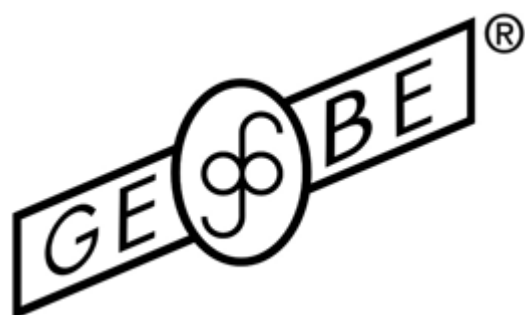
# 2






BÜRSTENHALTER UND BÜRSTENHALTER-KITS





BRUSH-HOLDERS AND BRUSHHOLDER-KITS




PORTE-CHARBONS ET KITS PORTE-CHARBONS













IKA-No.	Original	References	Unit-Nos.
	7 7114 1	Bosch 1 001 329 900 1 004 336 025,028,029, 034,055 with 2 negative brushes and 4 springs  complete kit with positive brushes : 7 7314 1	0 001 208 200-202,204,216-218, 224,229,233,403,404, 411,412,416,419, 425-429 211 200-208,210,215, 218-225,233-236,239, 242-249,251,253,254, 257,258,992,993,997 212 199,202-214,400-403 EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/00.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW
	7 7115 1	Bosch 2 004 336 027,041,099 with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7315 1 or 7 7316 1	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
	7 7117 1	Bosch 1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027  with 2 negative brushes and 4 springs  replacement for 7 7118 1  complete kit with positive brushes: 7 7317 1	0 001 207 003,005,009,015,018 0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050-52 054-056,100,103,107 108,110,111,113,115 120,123,124,126,130 138,139,146,147,149 312 101-111 313 006 314 005,006,009-015,017, 314 018,024-029,032,034, 314 036-038,042,043,045-47,049 315 005 EF(L/R) 6V 0.5 kW EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L) 12V 1.0-1.5 kW GF(R) 12V 1.0-1.6 kW
	7 7119 1	Bosch 2 004 336 028,044,067 with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7319 1	0 001 367 001-018,020-025,027-032 034-039,041-048,050-052 054-059,061-068,070-072 074-079,081-082,300-303 0 001 369 001-006,012-018,020-024 106 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
	7 7120 1	Bosch 2 004 336 031,046  with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7320 1	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321 9 000 143 600-604 IF/JF(R) 24V 4.0 kW






	IKA-No.	Original	References	Unit-Nos.
	7 7121 1	Bosch	1 004 336 900 with 4 brushes BS 140 and 4 springs	0 001 312 108,109 317 007-013,016-019 317 022-025 GF(L/R) 12V 1.7 kW
	7 7122 1	Bosch	1 004 336 901 with 4 brushes BS 149 and 4 springs	0 001 208 702,706,707,709-715, 208 717-719 9 000 333 106,114,117 EF(R) 12V 0.8-0.95 kW
	7 7123 1	Bosch  FIAT Nissan PSA Renault	1 004 336 822,838,856,861 F 000 AL1 921 AL2 050-052 9948244 23378-9F600 5825 C7 77 01 047 323  mono brushes	0 001 116 001,003-006,008,009 DM(R/L) 12V 0,7kW
	7 7124 1	Bosch  Ford MB Mitsubishi Opel	1 004 336 300,318,346,411, 418,419,423,436, 439,443,740,747, 748,762,806,812, 816,837,912,913, 921,922,960,965, 968,986,995,998  AU2-11049-A 000 151 98 14 MR 922747 905434727, 9196673  alternative brush holder: plastic type 7 7812 1	0 001 108 004,019,020,022, 024-027,048,051-053, 056,063-064,070,075 080,081,088-090,093, 098,100-102,107,111, 112,115,118-122, 124-126,128,130,131, 133-137,138-141, 144-146,149-151, 153-156,158-160,162, 166,167,169,171, 173-178,183,184,188, 189,197,995,996 0 001 111 002-004 F 002 G20 049,052,101,141, 449,500,639 F 005 M00 006,010,011,013,016 F 010 AL0 103 DW(R) 12V 1.1-1.4 kW DW(R) 24V 1.6 kW






	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7125 1</b>	Bosch	1 004 336 217,302,815,817, 834,843,844,846, 865,915-917,928, 939,940,943,952, 953,963,967,969, 992,993 9 001 081 094 F 000 AL1 013,050-055,326,396, 483,532,918,919 AL2 034,035,109	0 001 112 003-029,032-039, 041,044,045 113 001-015,017 114 003-006,008-010, 014-017,020-022 133 003,004 9 000 081 001-010 9 000 695 002,003 F 000 AL0 100,102,104,109,300-302, 306,313,328,334,401,402, 414,415,502 F 000 CD0 8A0,-8A2 DA(L) 12V 0.9 kW DM(L/R) 12V 0.8-1.1 kW
		FIAT	776 648 44 9945064,9948027	
		Nissan	23378-99B00,-B10	
		PSA	5825 A8,-C2,-C6 5828 97 95 646 211	
		Renault	77 01 042 412	
		VW	020 911 209 A,-C 026 911 209 A,-B,-C 055 911 209 02A 911 209	
			mono brushes	
	<b>7 7126 1</b>	Bosch	1 004 336 417,746,821,951	0 001 106 016 107 003-008,020-023,052,053, 121 006-011,016-019,022,023 DB/DW(L) 12V 1.1 kW DAF 1516679R, 1516723R, 1516779R, 1516781R Ford 95VW-11000-BA,-BB YM21-11000-EA VW 020 911 023,-F,-FX,-J,-N 02A 911 023 E,-F,-L,-T,-TX 02B 911 023 B,-F 02M 911 023,-X 02T 911 023 A,-E,-EX
		VW	020 911 209 B 02B 911 209	
			alternative brush holder: plastic type 7 7807 1	
	<b>7 7127 1</b>	Bosch	1 004 336 257,402,459, 732,927,958, 983,988,991	0 001 109 011 110 001,002,009,010,031, 032,039,061,062,070, 076,077,084,085, 098,099 125 005-006,009,010, 018,019, DB/DW(L) 12V 1.7-2.0 kW
		VW	020 911 209 021 911 209 036 911 209 02A 911 209 B	
			alternative brush holder plastic type 7 7838 1	
	<b>7 7128 1</b>	Bosch	1 004 336 147,426,442,467, 772,811,904,919, 923,961	0 001 108 005,014,015,050, 058-060,076,077, 094-097,099,127, 147,168 111 001,005 9 000 694 021 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW
		Ferrari	493323	
		FIAT	9944377,9944734	
		Piaggio	493323	
		VW	02A 911 209 A	
			replaced by 7 7813 1 plastic type	

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7129 1</b>	Bosch  BMW FIAT Ford Opel VW	1 004 336 401,404,455,458, 731,734,909,924, 925,942,947,955, 959,981 1 007 010 076 (Kit) 12 41 1 726 041 99440747,9945959,9950468 84AB-11461-AB, 6147939 1203037,90510286,93185012 068 911 209 F,-G,-H 077 911 209,-A,-B  field coil connector 66.5 mm  alternative brush holder: plastic type 7 7835 1	0 001 110 004,007,008,012,013, 016,019,022-024,027-030, 039,042-046,051-056, 063,064,066,067,075, 078,083,090,091,102, 106-108,120,122,123,999 DB/DW(R) 12V 1.7-2.0 kW R78-M15 12V
	<b>7 7130 1</b>	Bosch  VW	9 003 334 314,343,355  1 004 112 906*,907* 9 003 334 103*,147*,163*, 9 003 334 165*,167*,171* 9 003 334 175* * with field coil housing 069 911 209 C	0 001 218 002-031,100-115 118,120-131,133-147 150-168,171-178 9 000 331 401,402,405-409, 411-415,417-428, 430-433 6 033 AB1 J00 EV(R) 12V 2.2/2.3 kW
	<b>7 7131 1</b>	Bosch  FIAT Nissan Opel PSA VW	1 004 336 309,332,397,415, 432,433,715,744, 801,813,827,842, 938,957,964,975 9947478, 9947649 9950837 23378-99B15 9118123, 93185011 5828 98 058 911 209 A  alternative brush holder: plastic type 7 7805 1	0 001 106 011,014,015,025 107 010,012,014,017-019, 025,026,029,033,038, 049,054,055,062,066, 068,069,083,085,089, 091,094,095,097 121 001,002 9 000 694 022 9 007 045 020 DW(R) 0.9 kw DB/DW(R) 12V 1.1 kW 46468696, 46748350, 9613230280 92AB-11000-GA 23300-99B16 9118123, 9133598, 9198701, 93185011 5802 E4 96 035 034, 96 102 058 96 155 198 053 911 023 A,-B 058 911 023 B,-BX
	<b>7 7132 1</b>	Bosch Perkins Renault	1 004 336 361,456,460,468, 802,848,946,994 2873 0307 77 00 102 800 77 01 042 471 77 01 044 940  field coil connector 114 mm  alternative brush holder: plastic type 7 7831 1	0 001 109 035 110 089,114 115 001 DW(R) 12V 1.7/2.0 kW 1516790R 60 01 040 105 77 00 102 800 77 00 866 505








	IKA-No.	Original	References	Unit-Nos.
	7 7133 1	Bosch  VW	9 003 334 341 9 003 334 155 Kit 9 003 334 156*,158 * 02B 911 209 A 098 911 115*  * with field coil housing	0 001 218 116,117,119,132,148, 149,170 EV (L) 12V 2.2/2.3 kW
	7 7135 1	Bosch  VW	1 004 336 507,508,537,550, 551,605,617,620, 621,713,751,752, 800,884,885  020 911 209 E 085 911 209 A,-C 02B 911 303 C 02M 911 209 B  1 007 010 124,135 Kit* * with commutator plate	0 001 110 086,087,118,119,133,134 124 001-008,013,014, 022-027 125 003,004,011,035,036, 039,040,048,049, 605,606 DB(L)12V 1.8/2.0 kW RF78-L30,35 12V(L) RF78-M45 12V(L) Ford 1M21-11000-AA 95VW-11000-CB,-EB,-EL,-GA VW 020 911 023 D,-P,-PX 020 911 024 A,-AX, 068 911 024 K,-KX 085 911 023 A,-K,-L,-M,-MX 02A 911 023 H,-J,Q 02A 911 024 E,-EX 02B 911 023 B,-D 02M 911 023 F,-FX,Q,-QX 6U0 911 023 A,-AX
	7 7136 1	Bosch DAF	2 004 336 077,078 1355895  with 4 brushes BS 177 and 4 springs  replacement for 7 7139 1	0 001 371 004-010,012-020,119,120 IE(R) 24V 6.7 kW DAF 1516656R,1516677R, 1516686R Leyland 1443674 MAN 81 26201 6022 MB 005 151 54 01 MTU 005 151 18 01 005 151 54 01 005 151 60 01 005 151 68 01 Scania 1318615,1329660,1332903, 1357211,1357213,1357709, 1358639,1358640,1382290, 1386807 MB Actros 1853,-L / 2043 AS / 2053, 2553,-L / 2653,-L / 3353 O580 (Travego) O580 RHD-15 (Travego)
	7 7137 1	Bosch DAF	2 004 336 085,087 1397425  with 2 negative brushes BS 170 and 4 springs  complete kit with positive brushes: 7 7337 1	0 001 372 001,004 IE/JE(R) 24V 6.2 kW DAF 1516658R, 1346163 MB 004 151 88 01 004 151 94 01 DAF 85 CF.340,-380,430 MB Actros 1831-4150 O580 RHD-15 (Travego)


	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7138 1</b>	Bosch DAF	2 004 336 066,086 1296182,1337452  with 2 negative brushes BS 170 and 4 springs  complete kit with positive brushes: 7 7338 1	0 001 364 300,301,400,402 0 001 372 002,003,005-008 IF(R) 24V 4.8 kW ID(R) 24V 5.2 kW IE(R) 24V 6.2 kW DAF 1284775,1317220,1357210, 1357212,1516762R,1518391R IVECO 42522942 KHD 117 9586 MB 005 151 50 01 457 151 03 01 DAF 85CF 340,380,430 95 XF 380,430,480,530 Actros 1831 - 4150 Axor 2635,3335,3340,3343, 4135,4140,4143 Citaro O530 Conecto O345 Integro O550, Travego O580 Touro OC500, Turismo 15 RHD,-SHD Travego O580,-RH(D)-15,-RHD-17
	<b>7 7199 1</b>	Bosch	6 033 AD0 130,156 380,383,471 6 033 AD4 026,054,161,180 9 003 334 363 Stator Frame: 6 033 AD0 128,151, 152,189,473, AD4 064,093,094,098, 099,109,110,177  brush set: BSX 190-191  replaced by 7 7241 1	0 001 231 001-003,008,010,011, 014,017-019,032 EV(R) 24V 4.0 kW HE95-M 24V (R)
	<b>7 7200 1</b>	Bosch	2 004 336 064  with 2 negative brushes and 4 springs	0 001 368 083 IF(R) 24V 4.0 kW DAF/Leyland 1201327 45.130 / 45.150,-Turbo 45.160,-Turbo 45.180,-Turbo 45.210
	<b>7 7201 1</b>	Bosch	2 004 336 079  with 4 brushes BS 197 and 4 springs  limited stock	0 001 370 003,004 IE(R) 12V 5.0 kW MB 005 151 52 01 457 151 02 01
	<b>7 7202 1</b>	Bosch VW	1 004 336 506,637,879 020 911 209 B,-F	0 001 106 403,404,405,407,409,410 120 400-411 F 004 A94 403 DB(L) 12V 0.9 kW RF70-S25 12V(L) R70-S10 12V(L) BMW 12 41 7 682 099 12 41 7 691 956 (motorcycle) VW 02T 911 023 J

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7203 1</b>	Bosch VW	1 004 336 272,503,549,619, 629,750,878 02A 911 209 E	0 001 125 007,008,031,032, 042,043,046,047, 051,052,617,618 DB(L) 12V 1.8/2.0 kW RF78-M-45 12V(L) VW 02A 911 024 D,-DX,-X 02B 911 023 D,-L,-M,-MX 02T 911 023 D,-H,-HX 07M 911 024
	<b>7 7204 1</b>	Bosch VW	1 004 336 516,555,622 756,893 069 911 209 F	0 001 125 511-514,517,518 DB(R) 12V 2.0 kW RF78-S 12V(R) 069 911 023 L,-LX,-M,-MX
	<b>7 7205 1</b>	Bosch FIAT Suzuki	1 004 336 509,527,531, 704,708,886 773 650 65 31173-T55L0	0 001 108 401,402,420,421 450,451,456,457 F 002 G20 670 F 004 A94 004 DW(R) 12V 1.4 kW R70-L25,35 12V(R) RF70-L25 12V(R) BMW 12 41 7 519 390,391 Chrysler 68080459AA FIAT 517 8721 18 Ford 3M5T-11000-EA 1374049 Suzuki 31100-55L00,-55L01
	<b>7 7206 1</b>	Bosch VW	1 004 336 519,655,896 02M 911 209 C	0 001 121 402,403,408-413 429,430,435,436 02M 911 023 G,-GX,-S,-SX 02M 911 024 D,-DX 02Z 911 023 E,-EX 0AH 911 023 RF70-M25 12V(L)
	<b>7 7208 1</b>	Bosch  FIAT VW	6 033 AD0 014,159,160,221 6 033 AD0 368,401,404,407 6 033 AD1 155,244,246,250, 6 033 AD1 252,294,311,349, 6 033 AD1 350,495 Stator Frame: 6 033 AD0 007,162,223, 225,311 AD1 108-110,245, 248,249,251,254 301,313,327,351 381,598 AD2 002 773 635 59 057 911 209 G  brush set BSX 192-193	0001 218 602,620, 703,710-712,715,716, 719,722,725,728,730, 735-738,740-742,754, 757-759,763-768, 770-772,774,776,777 805,808,809,812,814 815-822 0 001 223 001-014,016,018,019, 021,022,024,056,104 6 033 A1J 05B EV(L/R) 12V 2.3 kW VW 057 911 023 A,-AX,-E,-EX Audi A8 4.0/4.2 TDI quattro > 05/2003 Q7 4.2 TDI > 03/2007 VW Touareg 4.2 TDI > 01/2010

IKA-No.	Original	References	Unit-Nos.
7 7209 1	Bosch  Ford IVECO PSA	6 033 AD0 161,409,411 AD1 255,259 BF9T-11434-AB 9972033 5821 G0  brush set BSX 192-193	0 001 223 501-507 EV(R) 12V 2.6 kW XC3U-11000-CA 500338953, 504015749 John Deere RE 50 134 7 SAME 29619400
7 7210 1	Bosch	6 033 AD0 166,370,374 AD3 022,042,058,187 9 003 334 368 Stator Frame: 6 033 AD0 167,170,244 AD3 043,132-134, 149-151,191-193  Brush Set BSX 194-195  replaced by 7 7243 1	0 001 230 001,008,010,012,014,018, 020-024,026 EV(R) 12V 3.0 kW HE95-M 12V (R)
7 7220 1	Bosch VW	1 004 336 561,765 053 911 209 A	0 001 107 103-106 121 030-035 RF74-M40,45 12V (R) R74-M40,60 12V (R) Overload Protection Starter VW 001 911 023, -B,-C,-CX,-X 036 911 023 S 085 911 023 H,-HX
7 7221 1	Bosch VW	1 004 336 504,562,766,978 068 911 209 L 02B 911 209 D	0 001 107 112 0 001 121 024-029 F 004 A94 029 DB/DW (L) 1.1/1.2 kw RF74-M50/M60 12V (L) 020 911 023 F,-FX 02A 911 023 L,-LX 02T 911 023 B
7 7222 1	Bosch FIAT	1 004 336 528,533,579,788 773 641 27	0 001 108 210,225,241,242 F 002 G20 326,348,546,582,593,820 DW(R) 12V 1.8 kW R74-L20,40,45,60 12V(R) RF74-L100,120 12V(R) 518 329 55 551 934 10, 551 955 03 Lombardini 5840147
7 7223 1	Bosch	1 004 336 512,552,567, 753,771,889	0 001 108 200,201,206,207, 228,229,237,238 DW(R) 12V 1.4 kW R74-L75 12V (R) 07C 911 023 D,-F,-FX,-G,-H,-HX 07D 911 023 A,-AX


	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7224 1</b>	Bosch	1 004 336 521,568,773,898	0 001 108 203 0 001 111 010 DW(L) 12V 1.4 kW R74-L10,-L25 12V (L) Lada 21100 3708010 03
	<b>7 7226 1</b>	Bosch VW	1 004 336 515,554,661, 755,892 012 911 209 A	0 001 115 022,023 DW(R) 12V 1.7 kW R74- 12V (R) Overload Protection Starters VW 012 911 023 C, -CX
	<b>7 7227 1</b>	Bosch VW	1 004 336 523,558,653,700,759 02M 911 209 A 03G 911 209 B	0 001 123 016,017,036,037, 044,045 DW(L) 12V 1.7 kW RF74-E25,-E45 12V (L) Overload Protection Starters VW 02E 911 023 H, -HX,L,-LX 02E 911 024 A,-AX
	<b>7 7229 1</b>	Bosch  FIAT	1 004 336 524,559,574,578, 596,616,624,701, 760,784,787,869  773 638 17 773 641 02  Replacement for 7 7521 1 with longer brushes for longer life time	0 001 109 204,264,275,276,280,281, 300,301,310,311,332,333, 340,341,361,362,364,379, 389,390,397,398,407,408  0 001 110 130,131 DW(R) 12V 1.8 kW R78-M28,35,45,55 12V (R) IVECO 69503857 Daily 35 S 17, -55 S 17 >06/2009
	<b>7 7230 1</b>	Bosch MB Toyota	1 004 336 582,586,688,790,794 1 004 338 159 001 151 58 14 28140-0L070	0 001 0DB 98E 0 001 109 262,263,265,266,271-274, 284,285,344,345,377,378, 393,394,399-402,413,414, 417 F 000 AL0 111,128 F 004 A94 008,011 DW(R) 2.0 kW R78-M45,55 12V (R) BMW 12 41 7 794 953 12 41 7 799 414 Chrysler 04801848 AB,-AC 04801849 AB,-AC MB 000 906 13 00 006 151 01 01 006 151 53 01, -54 01, -56 01, -65 01 343 151 71 01 Rover NAD 5002 10 Toyota 28100-0L070 VW 062 911 023 , -X BMW 745d Jeep Cherokee 2.8 CRD 4x4 <2008 Wrangler 2.8 CRD <2007 Landrover MB C 63 AMG, -Coupe, -T-Model CL 63 AMG, CLK 63 AMG Cabrio, -Coupe CLS 63 AMG Coupe E 420 CDI, E63 AMG, -T-Model GL 420 CDI 4Matic






IKA-No.	Original	References	Unit-Nos.
			ML 420 CDI 4Matic, ML 63 AMG R 63 AMG 4Matic S 63 AMG, SL 63 AMG Toyota Hilux 2.5/3.0 D-4D, -4x4 Hilux SW4 3.0 16V D Turbo Intercooler

	<b>7 7231 1</b>	Bosch	9 003 334 344,350 9 003 334 169 Kit 9 003 334 151*,157*	0 001 219 001-012,014,015,017,112 9 000 332 401,402,405,406 EV(R/L) 24V 2.5kW
		MB	000 151 79 55* 000 151 86 55*	MB 003 151 93 01 003 151 94 01
		Nissan	23306-D8700*	004 151 31 01
		VW	049 911 115 D*	006 151 66 01 461 906 22 00 Nissan 2300-D8700,-D870A VW 068 911 023 Q

\*with field coil






	<b>7 7233 1</b>	Bosch	1 004 336 592,799	0 001 106 405,406 R70-S10 12V (R) BMW 12 41 7 540 897 12 41 7 552 105,697 12 41 7 582 309
				PSA 5802 AR V7 540 89780 V7 552 10580






	<b>7 7234 1</b>	Bosch	1 004 336 502,505,510,525, 526,534,542,547, 593,600,608,630, 632,636,702,703, 711,718,723,866	0 001 107 401-405,407-411,415,417, 418,421-432,435-437,442, 443,446,447,450-453,456, 474,478,479,492-495,499-501, 508,509,521,522,525-528, 534,535,545
		FIAT	773 638 13, 9949611	0 001 121 422,423,427,428,443,444
		MB	001 151 24 14 001 151 35 14 001 151 47 14	0 399 708 303,304 F 000 AL0 900
		Opel	9199524, 93178218	F 002 G20 485,594,669,917,939,962,996
	VW	03G 911 209 C 06B 911 209	F 002 G70 057,069 F 004 A94 000,001,410,418 DW(R) 12V 1,1 kw R70-M10,-15,-20,-25,-35 12V(R) RF70-M25 12V(R) BMW 12 41 7 521 116,123 12 41 7 526 636 12 41 7 594 292,843 12 41 7 610 341,343,348 FIAT 553 532 57, 717 398 64 Ford 2S6U-11000-CB,-DB 6G9N-11000-LA,-LB,-LC,-LD MB 005 151 34 01 Opel 1202110,1202281 93184533-4535,-6246 VW 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX	
		Replacement for: 7 7134 1		





	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7235 1</b>	Bosch VW	1 004 336 571,627,781 068 911 209 L	0 001 110 136-139 R78-L35 12V (R) 068 911 024 F,-FX,-G,-GX
	<b>7 7237 1</b>	Bosch VW	1 004 336 538,569,570,625, 626,714,774,780 03G 911 209 A	0 001 109 064,065 125 053,054 RF78-M28 12V (R) R78-M28 12V (R) 03G 911 023,- A,-AX,X
	<b>7 7238 1</b>	Bosch VW	1 004 336 573,597,628,783 059 911 209 B 085 911 209 A	0 001 109 066,067 R78-M35 12V (R) 059 911 023 H,-HX
	<b>7 7239 1</b>	Bosch VW	1 004 336 576,656,785 02M 911 209 D	0 001 122 400-403 RF70-L25 12V (L) 02M 911 023 S,-SX 02Z 911 023 J,-JX
	<b>7 7241 1</b>	Bosch  DAF  Fendt IVECO  KHD MAN MB Volvo	6 033 AD0 130,156,380,383, 471 6 033 AD4 016,026,054,161, 174,180,194,212 6 033 AD5 128,179,316,320 9 003 334 363 Stator Frame: 2 005 005 201 6 033 AD0 128,151,152,189, 473 6 033 AD4 064,093,094,098, 099,107-110,166, 177,199 6 033 AD5 111,153,154 1382557,1396690,1658737, 1676629,1686585,1780595, 1784352,1793874 F926 900 060 070 42546436,42560318 9972097,9978020 1319757,1319758,1319905 51 26 216 0003,0005, 0006 000 151 07 40,- 08 40,- 09 40,- 18 40 21477606,3099589	0 001 231 002,004-007,009,011-013, 016,023,026-030,033-036, 038-041,045,046,119,133,146 0 001 241 001,003,005-009,012, 014-016,018-021, 023,024,026,119,128 F 002 G20 786 EV(R) 24V 4.0 kW HE95-M 24V(R) HEF95-L 24V(R) DAF 1516660R, 1516694R, 1516696R, 1516786R, 1633811, 1725900, 1735788, 1739935, 1739936 IVECO 500325317,504036695 KHD 118 0999,-1101,-2235 MAN 51 26201 7157,-7183,-7193, 51 26201 7213,-7222,-7223, 51 26201 7228,-7239,-7512 MB 004 151 84 01 005 151 20 01 007 151 02 01 Renault 50 10 306 413, 50 10 508 443 Scania 1447911
			brush set: BSX 216-217	
			Replacement for old model 7 7199 1 Replacement for 7 7142 1	






IKA-No.	Original	References	Unit-Nos.
7 7242 1	Bosch	6 033 AD4 212 IVECO 425 603 18 Stator Frame: 6 033 AD4 166,177  brush set: BSX 216-217  replacement = 7 7241 1	0 001 231 016,033,039,046,146 EV(R) 24V 4.0 kW HE95-M 24V(R) 4.0 kW
7 7243 1	Bosch	6 033 AD0 166,370,374 6 033 AD3 022,042,058,187 6 033 AD3 262,267,290-292, 6 033 AD3 327-329 Stator Frame: 6 033 AD0 167,270,244 6 033 AD3 043,132-134, 6 033 AD3 149-151,191-193, 6 033 AD3 281,283  John Deere RE 50 191 0 RE 50 881 5, RE 50 881 8  Fendt F716 900 060 040 IVECO 82035765, 9971889 KHD 131 9759, 131 9875 MB 000 151 04 40 000 151 15 40 Renault 50 01 846 342 50 01 855 189  brush set: BSX 224-225  Replacement for old model 7 7210 1	0 001 230 001-010,012,014,018, 0 001 230 020-024,026,030 F 002 G20 785 EV(R) 12V 3.0 kW HE95-M 12V(R) FIAT 47132888 JDeere AL 81 154 RE 50 081 9, RE 50 155 1, RE 50 322 6, RE 50 658 9, RE 50 794 3 IVECO 4755109,500325146,500338952, 500389864,504031929,504036476, 504 059251,504108451 KHD 118 0928, -1570, -1976, -2179, 118 2233, -2388 MB 004 151 93 01 006 151 23 03 Renault 50 10 306 412 SAME 29619390 VW 07Z 911 023 A, -BX, -G  IVECO TL 70,80,90,100 4.0 I Vertis 90V16,130V18 Renault JE 9,-11,-13,-15 210,260 Midlum 5.5/6.2 I VW Phaeton 5.0 TDI 4Motion Touareg 5.0 TDI
7 7245 1	Bosch	2 004 336 091,092,111,112 115,116,125,126,137 6 033 AD0 384 6 033 AD6 098 6 033 AD6 004 Kit Volvo 874354  replacement for 7 7246 1 brush set: BSX 202-203	0 001 330 004-008,011-014,017, 018,020,502 0 001 33F 805 0 399 B50 306,307 GVB(R) 24V 6.0 kW HEF109-M,-MP 24V(R ) MB 006 151 00 01 Scania 1447912 Volvo 3595446,3827444
7 7247 1	Bosch VW	1 004 336 453,867 03G 911 209 L  replaced by 7 7280 1	0 001 115 011,013 DW(L) 1.7 kW R74-E10 12V(L) Porsche 996 604 107 00,01,02 996 604 108 00 Porsche 911 3.6-4.0 I











	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7248 1</b>	Bosch Volvo	1 004 336 424,763,803 9442299  replaced by 7 7821 1	0 001 115 002,007 DW(R) 1.7 kW R74-E10 12V(R) Volvo 30658566 9162400, 9168267
	<b>7 7249 1</b>	Bosch	1 004 336 452,852  replaced by 7 7821 1	0 001 123 001 DB(R) 1.7 kW RF74-E10 12V(R) Porsche 996 604 103 00 911 Carrera,-Targa Boxster, Cayman
	<b>7 7250 1</b>	Bosch  MB  VW	1 004 336 396,414,470 722,743,824  0 001 151 08 14 0 001 151 45 14 07C 911 209  replaced by 7 7822 1	0 001 115 009,012,016,017,024 DW(R) 1.7 kW R74-E10 12V(R) GM 9146359 Opel 55351631 9200610 93176056 93184539 VW 07C 911 023,-X
	<b>7 7251 1</b>	Bosch  MB  VW	1 004 336 367,413,450,742 807,826,849,914, 962 1 007 010 091 Kit  000 151 92 14 001 151 17 14 059 911 209 A  replaced by 7 7835 1	0 001 109 021,022,041,056, 200,201,253 110 005,011,016,017,025,041, 043,054,065,068,075,078, 079,082,088,091,092 104,105,110,111,124,125 124 015 125 602 F 000 AL0 105,107 F 010 AL0 101 DW(R) 1.6 - 2.2 kW R78-M10,M15,M20, M25 12V(R) BMW 12 41 7 720 663,664 FIAT 771 676 60 Ford 92AB-11000-HA,-HB MB 004 151 45 01 004 151 55 01 PSA 5802 A6 Renault 77 00 856 291 Volvo 30658567
	<b>7 7252 1</b>	Bosch Opel	1 004 336 301,997 9117908  replaced by 7 7836 1	0 001 109 042,046, 110 115 DW(R) 1.7/ 2.0 kW 1202143 90511841, 90519332 Opel Astra 1.7 TD,-Caravan <1998






	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7253 1</b>	Bosch  MB  Renault Volvo VW	1 004 336 437,463,835,864, 908,931,949,976 1 007 010 092 Kit 000 151 95 14 001 151 02 14 001 151 23 14 77 01 033 239 3344018 068 911 209 E  replaced by 7 7832 1	0 001 110 003,026,053,095,113 DW(R) 1.7/ 1.8 kW R78-L15 12V(R) 001 151 78 01 003 151 79 01 004 151 37 01 77 00 777 478 77 00 864 634
	<b>7 7254 1</b>	Bosch  Toyota VW	1 004 336 405,407,465,735, 736,819,845,984 28140-0B020 069 911 209  replaced by 7 7834 1	0 001 109 034 110 048,049 125 501-504,507,508 DB(R) 2.0 kW DAF 1516661R,1516674R, 1516682R,1516727R Toyota 28100-0B020 VW 069 911 023 E,-H,-J 073 911 023 A LT 2.5 TDI 2001-2006
	<b>7 7255 1</b>	Bosch  VW	1 004 336 440,446,466,847, 906,926,933 068 911 209 E  replaced by 7 7838 1	0 001 109 023,044,047 110 014,015,018,033,047 057-059,081 DW(L) 1.6 - 2.0 kW R78-M10,M25 12V(L) DAF 1516724R VW 098 911 023, 176 911 023
	<b>7 7256 1</b>	Bosch  BMW  FIAT Ford MB  Opel Volvo VW	1 004 336 403,457,733,902, 903,907,918,934, 941,950, 954,974 12 41 1 722 849 12 41 1 735 887 9939779,9950076 V86BB-11061-AA 001 151 87 14 001 151 96 14 001 151 99 14 1203039 1363547 035 911 209 D,-E 078 911 209  replaced by 7 7812 1	0 001 108 001,002,009-013, 016-018,023,026, 028-033,035,037-040, 042-047,054,057,061, 062,065,066,068,069, 071-073,078,079, 082-074,087,091,092, 103-106,108-110, 113-117,129,132,152, 997-999 111 002 9 000 694 001,003,008,010,020, 026,038,043 DW(R) 1.4 - 1.6 kW R74-L20,L25,L35 12V(R)
	<b>7 7257 1</b>	Bosch  Opel Renault	1 004 336 337,343,823,832 971,973 90444706 77 01 03 506  replaced by 7 7811 1	0 001 108 143,148,170,172,181,199 DW(R) 1.4 kW R74-L20,L25,L35 12V(R) Opel 90490356,90490771 90541527,90563736 93177175,93184538 1202136 Renault 77 00 860 915






	IKA-No.	Original	References	Unit-Nos.
	7 7258 1	Bosch PSA Renault	1 004 336 374,375,464,859, 935,936 5825 C4 95 655 222 95 656 565 77 01 047 322  replaced by 7 7811 1	0 001 108 074,085,086,123,182 DW(R) 1.4 kW R74-L20,L25 12V(R) Chrysler 0486109 Opel 96017849,96035034, 96092340,96235689 Renault 77 00 106 763
	7 7259 1	Bosch Nissan VW	1 004 336 219,326,427,428, 435,469,775,776, 820,870,937,987 23378-99B05 02B 911 209 D  replaced by 7 7806 1	0 001 106 020 107 011,024,039,040,046, 107 058,080,090 F 002 G20 318 DW(L) 0.9 - 1.1 kW R74-M27,S10 12V(L) RF74-M25 12V(L) 23300-94850 23300-99B00,-B05,-B06 Nissan Micra 1.3i <07/2000 Sabre 1.6,-i <06/1997 Sentra 1.6,-i <06/1997 Lombardini, Piaggio MG,Rover
	7 7260 1	Bosch MB Opel VW	1 004 336 314,321,382,391, 716,810,831,985 001 151 00 14 001 151 34 14 001 151 34 15 90542850,93180602 069 911 209 D  replaced by 7 7803 1	0 001 106 018,019,026,027 107 009,034,037,045,048, 056,064,072,096, 100,101 6 000 AA0 013 F 000 AL0 113 DW(R) 1.1/1.2 kW R74-M10,M20,M25,S10 12V(R) BMW 12 41 7 570 487,-488 Chevrolet 93 427 646 Chrysler 0486 512,-AC,-CB,-CC FIAT 60562974 MB 005 151 53 01 005 151 66 01 005 151 69 01 Opel 90449689,90451825,90487345, 90512189,90518627,9200961 VW 069 911 023 G
<b>NEW</b> 	7 7280 1	Bosch VW	1 004 336 453,867,891 03G 911 209 L,- Q  replacement for 7 7247 1	0 001 115 011,013 DW(L) 12V 1.7 kW Porsche 966 604 107 00,-01,-02 966 604 108 00 911 3.6 Carrera ,-2,-2RS,-4 09/83-08/93 911 3.6 Carrera Convertible 2 09/89-08/93 911 3.6 GT2,-RS 2001-2011 911 3.6 GT3 1999-2008 911 3.6 Turbo Cabriolet 4,-Coupe 4 2003-2005 911 3.6 Turbo Carrera 4,-Cabriolet 4 2006-2009 911 3.6 Turbo Coupe 4,-GT2 4 2000-2005 911 3.6 Turbo S Cabriolet 4,-Coupe 4 2003-2005 911 3.6 GT3,-RS 2009-2012

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7281 1</b>	Bosch Chrysler Porsche	1 004 336 434,451,828,980  replaced by 7 7801 1	0 001 107 031,032 0 001 121 003 DB(R) 1.1 kW 04557 466 986 604 104 00 Boxster 2.5 1996-1999 Boxster 2.7/3.2 S 1999-2004
	<b>7 7282 1</b>	Bosch  FIAT Nissan/Renault Renault Volvo VW	1 004 336 416,420,462,745, 749,814,830,841  9949392 77 01 047 321 30862530 012 911 209 058 911 209 B  replaced by 7 7802 1	0 001 106 022-024,028 107 031,032,043,070, 107 071,073,074,087 DW(R) 0.9 - 1.1 kW R74-M10,M25,M30 12V(R) R74-S10,S20 12V(R) 04557 466 96FB-11000-KB,-KC,-KD 1011331 23300-00Q1D 93161060 82 00 199 737 82 00 466 754,-758,-761 82 00 724 805,-810,-817 82 00 929 534 012 911 023,-X 06B 911 023,-X
	<b>7 7283 1</b>	Bosch  Opel Renault	1 004 336 338,392,444,717, 833,989  09117925 77 01 042 469  replaced by 7 7804 1	0 001 107 047,077,098 DW(R) 1.1 kW R74-M20 12V(R) 1516788R 9117691,9200960, 90586916,93184536 77 00 105 080 77 00 865 719
	<b>7 7284 1</b>	Bosch Toyota	1 004 336 279,422,729,868 28140-0G010 28140-0G030  replaced by 7 7833 1	0 001 110 132 F 000 AL0 108 DW(R) 1.8 kW R78-L25 12V(R) 28100-0G010,-0G030 Toyota Avensis 2.0 Diesel Turbo <2003 Corolla Diesel Turbo <2007
	<b>7 7285 1</b>	Bosch MB	1 004 336 564,633,768 001 151 57 14	0 001 108 403,404,409,410,441,442 DW(R) 1.4 kW R70-L25,-L35 12V(R) 006 151 05 01 006 151 37 01 948 604 208 00


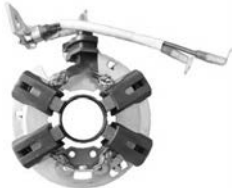


	IKA-No.	Original	References	Unit-Nos.
	7 7286 1	Bosch	1 004 336 588,796	0 001 115 035 R74-E25,-35 12V(R) Lombardini 5840 224 0
	7 7288 1	Bosch  FIAT	1 004 336 518,532,548,575,594, 599,601,618,654,709, 725,726,872,894 1 004 338 163 773 642 66  Replacement for: 7 7228 1	0 001 109 057,058,068,202,203,205,250, 258,261,302-305,313,319,320, 324,325,328,329,334,335,387, 388,391,392,409,410,429,430  0 001 110 071,072 0 001 125 055,056,519-522,607-610 F 002 G20 292,359,385,430,618,622,795 F 004 A94 002 MB 001 151 36 14 DB/DW(R) 12V 1.7-2.2 kw R78-M10,M28,-M45,-M55 12V (R) RF78-M10,28,45 12V(R) RF78-S28 12V (R) FIAT 519 843 58 IVECO 5801440013
	7 7290 1	Bosch  VW	1 004 336 520,557,650, 758,897 02M 911 209	0 001 115 042 123 012-015,018-021, 026-029,038,039  DB(L) 1.7 kW R74-E20 12V(L) RF74-E25,-E45 12V(L) VW Overload Protection Starters 02M 911 023 P,-PX 02M 911 024, -X 02N 911 023 N 02T 911 024,-X 02Z 911 023 F,-FX,-L, -LX,-N,-NX 0AH 911 023 B,-BX
	7 7291 1	Bosch  FIAT Suzuki Toyota	1 004 336 609,645 1 004 337 153 77365287 31173-86L00 28140-0X040  field coil connector 40 mm	0 001 138 005,006,011,012,029,030, 037-040,043,044,049,050, 063,064  DW(R) 1.7 kW S74-L 12V(R) Start/Stop Starters 1st Serie 12 41 7 610 342,349 12 41 7 626 546,547 12 41 7 631 054 12 41 7 802 945 12 41 7 803 514 12 41 7 812 070 12 41 7 823 314,315 51810307,55226844 BS51-11000-BA, 1726350 1202203,55570445 31100-86L00 28100-0X040 Alfa MiTo 1.3 JTD,-JTD >10/2008 FIAT Cinquecento 1.3 MJTD >01/2010 Punto Evo 1.3 JTD >10/2009 Ford Ka 1.3 TDCi >2008 Lancia Musa 1.3 Multijet Ypsilon 1.3 Multijet 16V Mini Cooper D,-SD >2010 Opel Astra/Corsa 1.3 CDTI >2010 Suzuki Swift 1.3 DDiS >09/2010 1.3 Diesel Turbo Hatchback




IKA-No.	Original	References	Unit-Nos.
7 7292 1	Bosch	1 004 336 614,648 1 004 337 154 field coil connector 60 mm	0 001 138 003,004,047,048,053,054 DW(R) 1.7 kW S74-L 12V(R) Mini Start/Stop Starters 1st Serie BMW 12 41 7 552 697 12 41 7 567 788 12 41 7 589 354,355 12 41 7 616 689,698 12 41 7 617 216 12 41 7 631 025,054 12 41 7 802 945 12 41 7 803 514 12 41 7 812 070 Steyr 7616698 Mini Cooper,-Cabrio,-Clubman Cooper S,-Cabrio,-Clubman Cooper D,-Clubman >03/2007 One,-Clubman One D >09/2009
			
7 7293 1	Bosch FIAT MB	1 004 336 511,536,712,727,888 9949601 001 151 54 14	0 001 108 157,190,196,202,204, 208,209,211,212,217, 218,224,230,231,234-236, 239,240,245,247, 460-463 F 026 T02 002 DW(R) 12V 1.4/1.8 kW R74-L40,45,55 F 026 T02 002 12 41 7 501 668,-738 12 41 7 505 979 12 41 7 525 293,-294 12 41 7 536 690,-691 12 41 7 537 513,514 12 41 7 610 344,345,351 46823543, 46830212 51782321, 51832954 55192482, 55195211 60817002 000 151 02 01 005 151 74 01 93175890
			
7 7294 1	Bosch VW	1 004 336 408, 737, 990 02A 911 209 C  replaced by 7 7839 1	0 001 125 001,002,012,013, 016,017,021,022 DB(L) 2.0 kW 028 911 023 M 02A 911 023 R,-RX 02B 911 023 D,-E 02T 911 023 C
			
7 7295 1	Bosch VW	1 004 336 409, 738, 860 068 911 209 J  replaced by 7 7833 1	0 001 110 126-129 124 020,021 DW(R) 1.8 Kw 12Volt R78-L25 12V(R) RF78-L25 12V(R) 068 911 024 F,-G,-GX,-H
			







	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7296 1</b>	Bosch Renault	1 004 336 363,850 77 01 044 938  replaced by 7 7811 1	0 001 108 180,186 DW(R) 1.4 kW 77 00 106 426 77 00 113 207 82 00 466 763 82 00 724 823 18213-M68KA-000
	<b>7 7297 1</b>	Bosch FIAT	1 004 336 383,393,445,454, 719,829,836,871 9947826,9949595 9951205  replaced by 7 7836 1	0 001 109 018,025,030,043,045,048, 201,253,363 F 000 AL0 105,107,112,117 DW(R) 1.6 - 2.2 kW 12 41 2 246 570 12 41 4 371 646 93389727 46430784,46473784 46800159,60814911 24454172
	<b>7 7298 1</b>	Bosch FIAT MB PSA VW	1 004 336 412,430,431,438, 447,448,472,741, 778,779,804,840, 881,883,996 773 621 23 994784, 994840, 9951021 001 151 03 14 001 151 44 14 5825 D0 077 911 209 C  replaced by 7 7836 1	0 001 109 009,014,017,026, 028,031,033,036, 040,049,056 419,420 110 100,101,112 125 602 DW(R) 1.6 - 2.2 kW R78-M25 12V(R) FIAT 9947830 Ford 2T14-11000-AA MB 004 151 70 01 Opel 91154217 PSA 96035035, 96054384 VW 077 911 023 E,-EX
	<b>7 7314 1</b>	Bosch Kit	1 001 329 900 1 004 336 025,028,029,034, 055 with additional positive brushes 2 x BS 75	0 001 208 200-202,204,216-218, 224,229,233,403,404, 411,412,416,419, 425-429 211 200-208,210,215, 218-225,233-236,239, 242-249,251,253,254, 257,258,992,993,997 212 199,202-214,400-403 EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/0.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW
	<b>7 7315 1</b>	Bosch Kit	2 004 336 027,041,099 with additional positive brushes 2 x BS 139	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW






	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7316 1</b>	Bosch  Kit	2 004 336 027,041,099  with additional positive brushes 2 x BS 143	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
	<b>7 7317 1</b>	Bosch  Kit	1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027  with additional positive brushes 2 x BS 104  replacement for 7 7318 1	0 001 207 003,005,009,015,018 0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050,051,052 311 054,055,056,100,103,107 311 108,110,111,113,115 311 120,123,124,126,130 311 138,139,146,147,149 312 101,102,103,104,105,106 312 107,108,109,110,111 313 006 314 005,006,009,010,011,012 314 013,014,015,017 314 018,024,025,026,027,028,029,032 314 034,036,037,038,042,043,045 314 046,047,048,049 315 005 EF(L/R) 6 V 0,5 kW EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L/R) 12V 1.0-1.6 kW
	<b>7 7319 1</b>	Bosch  Kit	2 004 336 028,044,067  with additional positive brushes 2 x BS 164	0 001 367 001-018,020-025,027-032 034-039,041-048,050-052 054-059,061-068,070-072 074-079,081-082,300-303 0 001 369 001-006,012-018,020-024 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
	<b>7 7320 1</b>	Bosch  Kit	2 004 336 031,046  with additional positive brushes 2 x BS 145	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321 9 000 143 600-604 IF/JF(R) 24V 4.0 kW
	<b>7 7337 1</b>	Bosch  Kit	2 004 336 085,087  with additional positive brushes 2 x BS 171	0 001 372 001,004 IE/JE(R) 24V 6.2 kW











	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7338 1</b>	Bosch  Kit	2 004 336 066,086  with additional positive brushes 2 x BS 171	0 001 364 300,301,400,402 0 001 372 002,003,005-008 ID(R) 24V 4.8 kW IF(R) 24V 5.2 kW IE(R) 24V 6.2 kW
	<b>7 7501 1</b>	Bosch	2 004 336 093,110,113,114,117, 2 004 336 127,128 with thermo protection  Brush Set BSX 202-203	0 001 330 016,501 33E 101 33F 102 0 001 340 501-505 34B B01,H01 34F 801,802 HEF109-M,MP 24V(R) 6.0 kw HEP 109-MP 24V(R) 8.4 kw MTU X52 417 200 001 JW 460867,482541,587989 Liebherr 101 205 41,104 54 907 371 105 567,471 103 467
	<b>7 7504 1</b>	Bosch  FIAT  MB	1 004 336 513,522,553,584, 591,663,677,678, 754,792,798,876, 890,899  773 637 02 773 654 51 001 151 59 14  Replacement for 7 7225 1	0 001 115 008,021,025,040,041, 045-048,078-081,114,115 0 001 123 002,003,024,025 DB(R) 12V 1.7 kW RF74-E25,E35 12V (R) Overload Protection Starters BMW 12 41 7 794 952 FIAT 51832949, 51984357 551 9521 10 MB 006 151 16 01,- 25 01 006 151 74 01 Porsche 955 604 107 00,-010,-011 VW 012 911 023 E,-F,G,-GX,-H,-HX FIAT Ducato MB A160/170 <2004 C 200/220 CDI VW Touareg 3.6 FSI
	<b>7 7505 1</b>	Bosch VW	1 004 336 640,664 057 911 209 H	0 001 115 056,057,082-085, 103-105,110,111 R74-E35,45 12V (R) VW Overload Protection Starters 03L 911 021,-C,-CX,-F,-FX,-H,-HX,-X 3R0 911 023 A,-B Audi A4 2.0 TDI,-Avant,-Avant quattro,-quattro A4 2.0i TFSI A4 Allroad 2.0 TDI A5 2.0 TDI Cabriolet,-quattro,-Coupe,-quattro A5 2.0 TDI Sportback,-quattro A6 2.0 TDI,-Avant A8 6.3 FSI quattro Q5 2.0 TDI,-quattro Q5 2.0 TFSI quattro

IKA-No.	Original	References	Unit-Nos.
	7 7506 1	<p>Bosch 1 004 336 598,604,606,641, 1 004 336 669</p> <p>MB 001 151 56 14 001 151 63 14</p> <p>Replacement for 7 7516 1</p>	<p>0 001 115 005,006,049-054,070-077, 088,089,092,093,096-101, 106-109</p> <p>R74-E25,35 12V (R) Overload Protection Starters Chrysler 04801516AA Chrysler 300C 3.0 CRD,-Touring Jeep Commander 3.0 CRD 4x4</p> <p>FIAT 9675092580 Ford AC1T-11000-AA CC1T-11000-AA,-AB 1740947, 1741087</p> <p>MB 000 906 02 02,- 24 02 005 151 01 01 006 151 41 01, -44 01, -61 01, -62 01 006 151 74 01, -75 01, -98 01, -99 01 112 151 00 01 636 151 02 01, -02 02 906 906 11 00</p> <p>PSA 96 705 92580 Ford Transit Custom FT 25,-27,-29,-30,-31,-33 2.2 TDCi Euroline 2.2 TDCi FT 260,-280,-300,-310,-330,-350 2.2TDCi FT 370,-410,-430,-460,-470 2.2 TDCi FT 370,-410,-430,-460,-470 2.2 TDCi Nugget/Tourneo 2.2 TDCi</p> <p>MB C,-CL,-CLK,-CLS-E,-G,-GL,-ML,-R,-S,-SL,-SLR BlueTec,-Cabrio,-Coupe,-Roadster,-T-model Sprinter 209,211,213,215,218,219 CDI 309,311,313,315,318,319 CDI 411,415,418,419,509,511,515,518,519</p> <p>Viano CDI 3.0 Vito 120, 122 CDI</p>
	7 7507 1	<p>Bosch 2 004 336 095,100 0399 D57 009</p> <p>Stator Frame: 2 007 010 173,174,183* 1954639* Kit</p> <p>DAF</p> <p>Brush Set BSX 241-242</p>	<p>0 001 261 001-008,011-013,016-018, 020-029,031,033,034,036, 037,041,044-047,049,069-072</p> <p>0 001 263 001-004,007-020,047-054, 501</p> <p>0 399 504 001-003,005-007,011-013, 016,028,029</p> <p>HX95--M 24V (R) HXF95-L 24V (R) overload protection starters DAF 1704911,1826120,1826121, 1843852,1854008,1866891, 1867369,1956090-6092 2015153,2015154</p> <p>IVECO 504385577 Leyland AELF405 MB 006 151 22 01 Renault 74 20 723 977 Scania 0579261,1796026, 2031368,2148650,2276131</p>
	7 7508 1	<p>Bosch 1 004 336 583,634,791</p> <p>Toyota 28140-0D130</p>	<p>0 001 107 433,434,440,441,448,449, 514,529-531</p> <p>9 001 107 434 F 004 A94 434,441,449 R70-M25 12V (R) 28100-0D030 28100-0N010 28100-0T030,-C 28100-0T090,-091 Toyota Auris,Avensis,Corolla,Verso,Yaris 1.4-2.0 I</p>

	IKA-No.	Original	References	Unit-Nos.
	7 7509 1	Bosch FIAT PSA	1 004 336 530,631,707 773 632 37 5825 F5	0 001 108 400,411,412,444 R70-L25,35 12V (R) Ford 6G9N-11000-CC,-CD Opel 93169309 PSA 5802 W5 96 253 825 96 481 11680 Citroen,FIAT,Lancia,Peugeot,Volvo
	7 7510 1	Bosch VW	1 004 336 615,657 057 911 209 J  replaced by 7 7542 1	
	7 7511 1	Bosch  FIAT	1 004 336 529,587,795,797 978 773 654 50 773 639 14	0 001 107 108-113 R74-M40,60 12V(R) FIAT 51776205,51832956 Opel 55351638,93176061 Astra,Zafira 2.0(i) Turbo
	7 7514 1	Bosch VW	1 004 336 572,782 078 911 209 B	0 001 108 220,221 DW(R) 12V 1.4 kW R74-L45 12V (R) 078 911 023 D Audi,Skoda,VW
	7 7515 1	Bosch MB	1 004 336 566,638,770 001 151 42 14	0 001 108 213,214,222,223 R74-L45 12V (R) 006 151 06 01 006 151 10 01
	7 7516 1	Bosch MB	1 004 336 589, 598,604,606,641 001 151 56 14  limited stock replaced by 7 7506 1 overload protection starter	0 001 115 005,006,049-054,070-073, 088,089,092,093, 096-101,106-109 DW(R) 12V 1.7 kw R74-E35 12V (R) Chrysler 04801516AA Ford AC1T-11000-AA CC1T-11000-AB,-BA,-BB 1740947,1741087 000 906 02 02, 24 02 006 151 41 01, 44 01, 61 01, 006 151 62 01, 98 01, 99 01, 906 906 02 02, 24 02

	IKA-No.	Original	References	Unit-Nos.
	7 7517 1	Bosch VW	1 004 336 535,560,662, 724,761 03G 911 209 D	0 001 115 031,032 R74-E25 12V (R) Overload Protection Starters VW 07C 911 023 E, -EX Phaeton 6.0 4Motion
	7 7518 1	Bosch	1 004 336 395,585,793	0 001 115 015,020,039 DW(R) 12V 1.7 kw R74-E25 12V (R) Opel 9007007,9200890 93172020 Signum 3.2 V6 <2005 Vectra 2.6 V6,-Caravan <2005 3.2i,-Caravan,-GTS
	7 7519 1	Bosch	1 004 336 577,786	0 001 107 107 R74-M20 12V (L) Lombardini 5840 218 0
	7 7520 1	Bosch FIAT Suzuki VW	1 004 336 517,556,581,603, 611,623,666,757, 895 1 004 338 157 776 637 04 31173-79J00 31173-T79J0 070 911 209	0 001 109 267-270,306,307,321,322, 330,331,336,337,342,343, 355-358,371,375,376,395, 396,403,404 0 001 125 025,057-060,600,601 0 399 501 002-007 F 000 AL0 159,160 DB(R) 12V 1.9/2.2 kW R78-M45,55 12V (R) IVECO 69502571 IVECO City Class Daily Massiv 3.0 Scudato 70 C16
	7 7522 1	Bosch MB	1 004 336 658 1 004 337 173 001 151 65 14	0 001 122 201,202 DB 006 151 63 01 RF74-L65 24V (R) 1.4 kw MB G 300 CDI





	IKA-No.	Original	References	Unit-Nos.
	7 7523 1	Bosch MB Toyota	1 004 336 580,607,789 0 399 D77 021 001 151 64 14 28140-0Q020	0 001 107 406,438,439,459-462,538-540 0 399 708 098,099 DW(R) 12V 1.1 kw R70-M10,-M35,-M45 12V(R) 006 151 39 01 006 151 59 01 006 151 60 01 636 151 003 01 28100-0Q021 MB C 230-C 350, CL 500 Coupe CLK 280/350/500 Cabrio,-Coupe E 250 - E350, E500,-Cabrio,-Coupe GLK 280/300/350 4Matic S 280 - S 500 SL 280 - 500, SLK 280 - 350 Toyota Aygo 1.0
	7 7529 1	Bosch MB	1 004 336 612,649 1 004 337 145 001 151 67 14	0 001 139 001,002,005,006,011-016, 025,026,047,048,067,068, 083,084 0 399 703 044,045 F 000 AL0 160 F 002 G20 862 F 002 G70 013 S78-M 12V(R) 2.2 kw S78-M10,-45,-55 12V(R) Start/Stop Starters BMW 12 41 7 798 006 12 41 7 812 034,070 12 41 7 823 700,701 Chrysler 04801871AB MB 646 906 00 00 Ferrari 243595, 248743,297969 FIAT 51810267 Ford EC35-11001-BA Porsche 948 604 210 00
	7 7530 1	Bosch	1 004 336 672	0 001 115 068,069 R74-E35 12V(R) BMW 12 41 7 801 203 12 41 7 811 601 12 41 8 511 746 12 41 8 519 153 12 41 8 570 238 12 41 8 570 382
	7 7531 1	Bosch Toyota	F 000 AL1 934 28130-0C060 28140-0C060	F 000 AL0 110 F 004 A94 007 R74-L75 12V (R) 28100-0C060 Toyota Fortuner 2.7i 4WD Hilux 2.5 16V DTurbo Hilux 2.7 16V,-4x4 Hilux Vigo 2.7 4WD

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7532 1</b>	Bosch Opel	1 004 336 394,461,720,999 90540337 91385014  replaced by 7 7837 1	0 001 109 015,042,046,052,055,061-063 DW(R) 12V 2.0 kw R78-M15,-M25 DAF 1516830R Opel 93171526,93176034 Saab 53 42 340, 53 43 371
	<b>7 7533 1</b>	Bosch	2 004 336 090,094,096,097 2 007 010 157 Kit 2 007 010 158 Kit 2 007 010 175 Kit 2 007 010 184 Kit  Brush Set: BSX 222-223  replacement for 7 7244 1 and 7 7503 1	0 001 260 001-004,025,026 262 001-008,019-022,029-034 HX95-L,-M 12V(R) 4.0 kw John Deere RE 52 637 5 RE 52 740 0 IVECO 504357109,110 5801441814 MB 006 151 23 01 SAME 29619562 VW 05A 911 023,-B,-C
	<b>7 7534 1</b>	Bosch VW	1 004 336 699 059 911 209 F	0 001 139 017-020,075,076 S78-M 12V(R) VW 059 911 021 F,-FX 03L 911 021 E,-EX,-G,-GX Audi Start/Stop Overload Protection Starters A4 2.0 TDI,-Avant,-quattro A4 Allroad 2.0 TDI A5 2.0 TDI Cabriolet,-Coupe,-quattro,-Sportback A6 2.0 TDI,-Avant Q5 2.0 TDI quattro
	<b>7 7536 1</b>	Bosch  FIAT Suzuki	1 004 336 674,695 1 004 337 156,160 773 651 21 31173-T62MA0-000 31173-62MA0-00  successor product for IKA 7 7291 1 and 7 7292 1 with 6 brushes instead of 4 brushes	0 001 136 002,003,005-008 137 001-006,011,012 138 001,002,009,010,017-020, 045,046,051,052,055,056, 069-072 S74-L/M/S 12V(R) Start/Stop Overload Protection Starters BMW 12 41 7 550 975 12 41 7 567 788 12 41 7 589 350,352-356 610 342,349 FIAT 518 047 44, 518 103 08, 518 293 80, 518 739 26 Ford BS51-11000-AA, 1715776 Hyundai 36100-2B300-302 Nissan 23300-1073R,-7223R Opel 55572440 Renault 23 30 010 73R 23 30 059 51R 23 30 061 24R Suzuki 31100-62MA0 VW 06E 911 021 D,-DX,-F,-FX Alfa Giulietta 1.4 TB MiTo 0.9 ie,- 1.4,-1.6 JTD Audi A4 3.0 TFSI Avant quattro,-quattro A5 3.0 TFSI Coupe quattro,-Sportback A6 2.8 FSI,-Avant,-quattro A6 3.0 TFSI Avant quattro,-quattro A6 Allroad 3.0 TFSI A7 2.8 FSI Sportback A7 3.0 TFSI Avant quattro,-Sportback A8 3.0 TFSI quattro Q5 3.0 TFSI quattro S4 3.0 TFSI quattro S5 3.0 TFSI Cabriolet,-Coupe quattro,-Sportback Chevrolet Aveo 1.2/1.4 ,-Hatchback Cruze 1.4,-Turbo,-Station Wagon Orlando 1.4 Turbo Trax 1.4 Turbo AWD FIAT Bravo1.4,,Doblo1.4/1.6 Multijet Grande Punto 1.2/1.4






IKA-No.	Original	References	Unit-Nos.
			Idea 1.4,Panda 0.9,Punto 0.9/1.4 500 0.9/1.2/1.4/1.6 Multijet Hyundai i20 1.4, i30 1.4/ 1.6, i40 1.6 ix20 1.4/1.6, ix35 1.6 GDI Veloster 1.6 GDI KIA Cee'd 1.4/1.6,-Sporty Wagon Pro Cee'd 1.4/1.6 Rio 1.4,- Hatchback Soul 1.6 GDI, -CVVT Sportage 1.6 GDI Venga 1.4/1.6 Opel Adam 1.2, 1.4,-LPG Astra 1.4 GTC,-Turbo GTDC,-Limousine 1.4i,-Turbo,-Sports Tourer Cascada 1.4 Turbo Corsa 1.2 Twinport, 1.4 Twinport,-Turbo Insignia 1.4 Turbo Meriva 1.4 Ecotec,-ecoFLEX,-Turbo Mokka 1.4 Turbo ecoFLEX,-4x4 Zafira 1.4 Turbo Renault Captur 1.5 dCi Clio IV 1.5 dCi,-Grandtour Suzuki SX4 S-Cross 1.6 DDiS,-4WD







7 7537 1	Bosch VW	1 004 337 006,161 03G 911 209 E	0 001 153 001,002,005-010,015,016 SF74-E+ 12V(L) VW 02E 911 024 C,-CX 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A 0AM 911 023 G,-GX VW-Family Start/Stop Starters Audi A1 1.6/2.0 TDI,-Sportback A3 1.6/2.0 TDI,-Cabrio,-Sportback Q3 2.0 TDI,-quattro SEAT Alhambra 2.0 TDI Altea 1.6/2.0 TDI,-Freerack,-XL Ibiza/SC 1.6/2.0 TDI Leon 1.6/2.0 TDI Toledo 1.6 TDI Skoda Fabia 1.2/1.6 TDI,-Combi Octavia 1.2 TSI,-1.6 TDI,-Combi Praktik 1.2/1.6 TDI Rapid 1.6 TDI Roomster 1.2/1.6 TDI Superb 1.6/2.0 TDI,-Combi,-4x4 Yeti 1.6/2.0 TDI VW Beetle 1.6 TDI,-Cabrio Caddy 1.6/2.0 TDI,-4Motion California T5 2.0TD Caravelle T5 2.0 TDI CC 2.0 TDI,-4Motion Eos 2.0 TDI Golf Plus 1.6/2.0 TDI Golf VI 1.6/2.0 TDI,-Cabrio,-4Motion Jetta 1.2 TSI, 1.6 TDI Multivan T5 2.0 TDI Passat 1.6/2.0 TDI,-CC,-4Motion,-Variant Polo 1.2/1.6 TDI Scirocco 2.0 TDI Sharan 2.0 TDI Tiguan 2.0 TDI,-4Motion Touran 1.6/2.0 TDI Transporter T5 2.0 TDI,-4Motion latest models
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	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7538 1</b>	Bosch	1 004 336 681	0 001 145 001,002 SF78-M 12V (L) VW 02Z 911 023 S,-SX 2X0 911 023 Audi Start/Stop Overload Protection Starters A1 1.6 TDI,-Sportback >05/2010 A3 1.6 TDI,-Cabriolet,-Sportback >05/2009
	<b>7 7539 1</b>	Bosch	1 004 337 013,029,042	0 001 148 003,004,009,010, 015,016,023,024 S74-E+ 12V(R) Start/Stop Starters BMW 12 41 7 838 020 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795 12 41 8 519 154 12 41 8 570 383 GM 55572065 Opel 1202216 BMW M3 Cabrio,-Coupe Opel Astra 2.0 CDTI,-GTC Insignia 2.0 CDTI,-4x4 Zafira 2.0 CDTI
	<b>7 7540 1</b>	Bosch VW	1 004 336 682 1 004 337 012 03G 911 209 H	0 001 142 001-006 0 399 703 051,052 SF74-L 12V(L) VW Start/Stop Starters VW 0AM 911 023 F,-FX 02T 911 024 J,-JX 02Z 911 023 R,-RX Audi A1 1.2 TFSI A1 1.4 TFSI,-Sportback A3 1.2/1.4 TFSI,-Cabriolet,-Sportback SEAT Altea 1.4 TSI,-XL 1.4 TSI Altea Freetrack 1.4 TSI Ibiza 1.2 TSI,-SC 1.2 TSI,-ST 1.2 TSI Leon 1.4/1.8 TSI >11/2007 Toledo 1.2 TSI Skoda Fabia 1.2,-Combi Praktik 1.2,- TSI Rapid 1.2 TSI,-Spaceback Roomster 1.2 TSI Superb 1.4 TSI,-Combi >04/2008 Yeti 1.4 TSI >06/2010 VW Eos 1.4 TSI Golf VI 1.4 TSI >10/2008 Passat 1.4 TSI,-EcoFuel,-Variant Passat 2.0 TDI,-Variant Polo 1.2,-TSI >06/2009 Scirocco 1.4 TSI
	<b>7 7541 1</b>	Bosch VW	1 004 337 019 03G 911 209 J	0 001 139 041,042,073,074 S78-M 12V(R) 2.2 kw VW 059 911 021 G,-GX,-K,-KX Audi Start/Stop Overload Protection Starters A4 3.0 TDI Avant quattro,-quattro A4 Allroad 3.0 TDI A5 3.0 TDI Cabrio,-Coupe,-Coupe quattro A5 3.0 TDI Sportback,-quattro A6 3.0 TDI,-Avant,-Avant quattro,-quattro A6 Allroad 3.0 TDI A7 3.0 TDI Sportback,-quattro A8 3.0 TDI quattro Q5 3.0 TDI quattro SQ5 3.0 TDI quattro models >2012



	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7542 1</b>	Bosch  MB VW	1 004 336 565,595,602,615, 657,769 1 004 337 022,140,150 001 151 41 14 057 911 209 J 06E 911 209  replacement for 7 7236 1 and 7 7510 1	0 001 108 405,406,408,415,416, 0 001 108 428-431,445,446,466,467 F 000 AL0 901 R70-L25 12V(R) Overload Protection Starters Ford 4M5T-11000-CA,-CB 1344589,1570611 MB 906 906 00 26 Porsche 9586 041 110 00 Renault 82 00 741 476 VW 06E 911 023 B,-BX,-C,-CX, 06E 911 023 E,-EX,-F 079 911 021 B,-BX,-C,D,-DX,-G Audi A4,A6,A8 3.2 FSI >2005 A7,A8,Q7,RS,S 3.0/4.0/4.2 TFSI Ford Focus 1.6i,-Ti,-Ti-VCT >12/2007 Porsche Cayenne 3.0 S
	<b>7 7543 1</b>	Bosch	1 004 336 698	0 001 138 013,014,067,068 S74-L 12V(R) VW 06H 911 021,-X,-D,-DX Audi Start/Stop Starters A4 1.8 TFSI,-Avant A4 2.0 TFSI Avant,Avant-quattro,-quattro A4 2.0 TFSI Avant flexible,-flexible A4 Allroad 2.0 TFSI A5 2.0 TFSI Cabrio,-Coupe,-Sportback,-quattro Q5 2.0 TFSI quattro Porsche Macan 2.0 >09/2014
	<b>7 7544 1</b>	Bosch MB	1 004 337 002 001 151 71 14	0 001 139 029,030,071,072,408,409 S78-M 12V (R) MB 000 906 23 02 651 906 00 00 651 906 31 00 MB Start/Stop Starters Sprinter, Viano, Vito 2.0 CDI
	<b>7 7545 1</b>	Bosch	1 004 337 005	0 001 139 021,022,037,038 S78-M 12V (R) Porsche Start/Stop Starters 986 604 210 01 986 604 214 00 Cayenne 4.8 GTS,-S,-Turbo,-Turbo S Panamera 3.0 Hybrid,-S,-S4,-S Executive 4 3.6 , 3.6 4 4.8 S,-4S,-GTS,-Turbo,-S
	<b>7 7546 1</b>	Bosch	1 004 337 034,047,050,144	0 001 139 045,046,049,050,053,054 S78-M 12V(R) VW 059 911 021 H,-HX,-J,-JX 07L 911 021,-X Audi Overload Protection Start/Stop Starters A8 6.3 FSI quattro >2011

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7547 1</b>	Bosch	1 004 338 102	0 001 177 000-013 CF70-M 12V(L) VW 02M 911 021H,-HX 02M 911 024R,-RX 02Z 911 024F,-FX 0AH 911 023H,-HX Audi A3 1.2/ 1.4 FSI,-TFSI,-Limousine,-Sportback A3 1.8 FSI,-Sportback,-quattro A3 1.8 TFSI Sportback SEAT Mii 1.0 >20/2011 Skoda Citigo 1.0,-CNG Fabia 1.0 MPI,-Combi Octavia 1.2 TSI,-Combi VW Golf VII 1.4 TSI,-Variant models >2012/2013
	<b>7 7548 1</b>	Bosch	1 004 337 155  New model with 6 brushes: 7 7551 1	0 001 148 019,020,025,026 029,030,033,034 S74-E+ 12V(R) BMW Start/Stop Starters 12 41 8 515 795,796 12 41 8 515 900 12 41 8 570 238,239 114/116/118/120/123/125d >03/2012 316,318,320,325,330d >03/2012 420,520,525d >05/2010 X1,X3,X5 sDrive 16/18/20/25d >07/2012
	<b>7 7549 1</b>	Bosch	1 004 337 165 0 399 D77 054	0 001 138 043,044,049,050,053,054, 0 001 138 057-062 0 001 147 424,425 S74-L 12V (R) SL74-L 12V (R) BMW Start/Stop Starters 12 41 7 610 342,349 12 41 7 626 000,546,547 12 41 7 631 025,054 12 41 7 638 192-194,196 12 41 8 612 576 114i/116i/118i/316i/320i >07/2012 125i, 320i, 328i >02/2012 420i,428i-Coupe,-xDrive 520i,-Touring >09/2011 528i,-Touring,-xDrive >09/2011 640i Cabrio,-Coupe >03/2011 X1 sDrive 20i/-xDrive 28i >09/2011 X3 xDrive 20i,-28i >09/2011 Z4 sDrive 20i,-28i >09/2011
	<b>7 7550 1</b>	Bosch	1 004 338 126,140,178 0 399 D77 055	0 001 179 500-519,522,523 SCF70-SX 12V(L) VW 02E 911 024B,-BX 02M 911 021G,-GX 02M 911 024Q,-QX 02Z 911 024Q,-QX 0AM 911 023N,-R,-RX Audi A3 1.2 TFSI, -Limousine, -Sportback A3 1.4 TFSI,-Cabriolet, -Limousine, -Sportback A3 1.8 FSI,- Limousine, -Sportback,-quattro A3 1.8 TFSI,- Cabriolet, -Limousine, -Sportback A3 2.0 TFSI Cabriolet Q3 1.4 TFSI, -2.0 TFSI quattro RSQ3 2.5 TFSI quattro S3 2.0 TFSI, -Cabriolet, -Limousine, -Sportback S3 2.0 TFSI quattro SEAT Leon 1.2/1.4 TSI,-1.4 TSI ACT,-1.8 TSI Leon SC 1.2/1.4 TSI,-1.4 TSI ACT,-1.8/2.0 TSI Leon ST 1.2/1.4 TSI,-1.4 TSI ACT,-1.8 TSI Leon ST 2.0 TDI,-4Drive Leon Cupra,-SC Cupra,-ST Cupra 2.0 TSI Mii 1.0 >10/2011 Toledo 1.6 TDI Skoda Citigo 1.0, -G-Tec Fabia 1.0 MPI, -Combi

IKA-No.	Original	References	Unit-Nos.
			Fabia 1.2 TSI, -Combi Octavia 1.2 TSI, -Combi Octavia 1.4 TSI, -Combi, -G-Tec Octavia 1.6, -Combi Octavia 1.8 TSI, -4x4, -Combi Octavia 2.0 FSI Combi, -TSI RS Rapid 1.6 TDI, -Spaceback VW Beetle 1.4/2.0 TSI, -Cabrio CC 1.4 TSI Sportsvan 1.2/1.4 TSI Golf VII 1.2 TSI, 1.4 TSI, -ACT, -Multifuel, -Variant Golf VII 1.4 TGI, -Variant Golf VII 2.0 GTI, -4Motion, -R-Line Jetta 1.2/1.4 TSI Passat 1.4 TSI, -4Motion, -Variant Passat 1.8 TFSI, -Variant Polo 1.0/1.2/1.4, -TSI, -ACT Polo 1.8 GTI Scirocco 1.4/2.0 TSI Tiguan 1.4 TSI, -4Motion up! 1.0 >12/2011

**NEW**



7 7551 1 Bosch 1 004 337 175  
Replacement for old model 7 7548 1  
with 4 brushes





0 001 148 508,509,514,515  
SL74-E+ 12V(R)  
BMW 12 41 8 574 102  
12 41 8 589 891  
316/318/320/330/335 d >2012  
418/420/430/435 d >11/2013  
518/520/525/530/535 d >09/2011  
640 d Cabrio, -xDrive, -Coupe, -xDrive, -GC  
730/740/750 d, -Ld, -xDrive >07/2012  
M 550 d xDrive, -Touring xDrive >03/2012  
X 3 xDrive 30/35d >04/2011  
X 5 xDrive 30/35 >06/2014

**NEW**










7 7552 1 Bosch  
FIAT 1 004 338 136  
773 671 84




0 001 170 400-403,406,407,410,411,  
610,611  
0 001 172 400,401,604,605  
SC/SCL70-M/S 12V (R)  
FIAT 519 161 68,-69,-70  
519 384 39  
519 756 77  
552 545 83  
Opel 55591492, 55591942, 55592541  
Alfa Giulietta 1.4 BiFuel, -1.4 TB >05/2010  
MiTo 1.3 JTD, -JTDM >10/2008  
MiTo 1.4, -16V Turbo, -i.e. >10/2009  
Chevrolet Aveo 1.3 D, -Hatchback >09/2011  
FIAT 500 1.2/1.4 >07/2007  
500C 1.2/1.4 >07/2009  
500,-500C,-500L Multijet >01/2010  
500X1.4,-4x4 >11/2014  
Bravo 1.4, -Turbo >03/2010  
Doblo,-Cargo 1.4,-Natural Power >02/2010  
Fiorino 1.3 Multijet >12/2007  
Grande Punto 1.2/1.4, -1.3 Multijet <2011  
Grande Punto 1.4 CNG,-LPG <2011  
Idea 1.3 Multijet,-1.4 8V/16V <2012  
Panda 1.3 Multijet,-4x4 >02/2012  
Punto 1.2/1.4,-LPG,-Abarth,-SS >01/2012  
1.3 Multijet >01/2012  
EVO 1.2/1.4 8V,-16V <2011  
Qubo 1.3 Multijet >09/2008  
Jeep Renegade 1.4,-4x4, -1.6  
Lancia Delta 1.4 BiFuel, -1.4i 16V >07/2008  
Ypsilon 1.2,-BiFuel >06/2011  
Opel Astra 1.3 CDTI,-Limousine,-Sportstourer >2009  
Corsa 1.3,-CDTI > 2011  
Meriva 1.3 CDTI >04/2010

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b> 	7 7553 1	Bosch	1 004 336 697 1 004 337 149, 158	0 001 139 023,024,031,032 S78-M 12V (R) FIAT 9678690180 Ford CC1T-11000-DA,-DB,-DC,-EA,-EB 1740948, 1741089 1745176, 1745178 PSA 96 786 90180 Transit Custom FT 25,27,29,30,31,33 Transit Euroline 2.2 Transit FT 250,260,280,290,300,310, 330,350,370,410,430,460 470 2.2T Transit Nugget 2.2 T Transit Tourneo 2.2, -Custom > 02011
		MB	1 004 336 689 1 004 337 060, 070 001 151 66 14  with EMC electromagnetic compability	0 001 138 015,016 147 408,409 S74-L 12V(R) 1.7 kw SL74-L 12V (R) 1.7 kw Mercedes RFI Start/Stop Starters 006 151 72 01 271 906 02 00 C 180/C 200/C 250 CGI >2009 E 200/E 250 CGI >2009 SLK 200/250 >01/2011
	7 7561 1	Bosch	1 004 337 017,023,040,045 001 151 72 14 001 151 73 14  with EMC electromagnetic compability brush holder with 6 brushes	0 001 139 043,044 149 400,401 S78-M 12V (R) SL78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 651 906 11 00 651 906 12 00 651 906 23 00 651 906 24 00 E 200/220/250 CDI-T-Model > 08/2009 E 250 BlueTec Cabrio,-Coupe >07/2014 GLK 220/250 BlueTec 4Matic >03/2012
		MB	001 151 73 14  brush holder with 4 brushes = 7 7567 1	
	7 7562 1	Bosch	1 004 337 015,035,043,061,151	0 001 147 400, 401 SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 276 906 12 00 276 906 23 00 C 300 CGI C 350 CGI,-Coupe,-T-Model CLS 350 CGI Coupe,-Shooting Brake E 300,-T-Model,-4Matic E 300 CGI Cabrio,-Coupe E 350,-T-Model E 350 CGI Cabrio,-Coupe E 400,-Coupe,-T-Model S 350 CGI, SL 350, SLK 350
		MB	001 151 75 14  with EMC electromagnetic compability	
	7 7563 1	Bosch	1 004 337 016,020,021,036 044,062,152	0 001 147 402-407 SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 276 906 13 00 906 24 00 278 906 04 00 906 05 00 906 06 00 906 07 00 C 300 CGI 4Matic C 350 CGI 4Matic CL 500 CGI Coupe,-4Matic CL 63 AMG Coupe CLS 500 Coupe,-4Matic,-Shooting Brake CLS 63 AMG
		MB	001 151 74 14 76 14  with EMC electromagnetic compability brush holder with 6 brushes  brush holder with 4 brushes = 7 7568 1	




IKA-No.	Original	References	Unit-Nos.	
7 7564 1	Bosch	1 004 337 026,066  with EMC electromagnetic compability	E 350/ E 400/ E500 4Matic E 500 CGI Cabrio,-Coupe,-T-Model E 63 AMG GL 500 4Matic, GL 63 AMG 4Matic GLK 300 4Matic, 350 CGI 4Matic ML 500 4Matic, ML 63 AMG 4Matic S 350, S 500 CGI 4Matic, S 63 AMG SL 350, SL 500, SL 63 AMG SLK 350, SLK 55 AMG  ----- 0 001 152 400,401,410,411 SFL74-L 12V (L) Mercedes RFI Overload Protection Star/Stop Starters 270 906 00 00 906 04 00 906 07 00 A 180, A 200, A 250,-4MATIC >06/2012 B 180, B 200,-NGD >09/2011 B 220 4Matic, B 250 >05/2012 CLA 180, CLA 250 > 12/2012 CLA 250 4Matic, C 45 AMG 4Matic latest models >06/2013	
7 7565 1	Bosch	1 004 337 049,059,069  with EMC electromagnetic compability	0 001 153 500,501,510,511 SFL74-E+ 12V (L) Mercedes RFI Start/Stop Starters 645 906 02 00 906 03 00	
7 7566 1	Bosch  MB	1 004 337 046,058,068  001 151 77 14  with EMC eletromagnetic compability	0 001 149 402-405,412-417 SL78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 000 906 99 01 642 906 08 00 906 09 00 906 10 00 906 11 00 642 926 10 00 926 11 00 C 350 CDI,-T Model CLS 350 CDI Coupe,-4Matic,-Shooting Brake CLS 350 BlueTec Coupe E 300 CDI,-T-Model E 350 CDI,-Cabrio,-Coupe,-T-Model E 350 CDI 4Matic T-Model E 350 BlueTec Cabrio,-Coupe,-T-Model GLK 350 CDI 4Matic ML 350 BlueTec,-4Matic S 350 BlueTec,-4Matic SL 65 AMG	
<b>NEW</b>	7 7567 1	Bosch MB	1 004 337 041 001 151 72 14  with EMC electromagnetic compability brush holder with 4 brushes  brush holder with 6 brushes	same application as 7 7561 1         7 7561 1







	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	7 7568 1	Bosch MB	1 004 337 036 001 151 74 14  with EMC electromagnetic compability brush holder with 4 brushes  brush holder with 6 brushes 7 7563 1	same application as 7 7563 1
				
	7 7569 1	Bosch	1 004 337 168  with EMC electromagnetic compability	0 001 139 065,066 S78-M 12V(R) Mercedes RFI Start/Stop Starters 651 906 28 00 C 180 CDI,-T-Model C 200 CDI,-T-Model C 220 CDI,-4Matic,-Coupe,-T-Model C 250 CDI,-4Matic,-Coupe,-T-Model CLS 250 CDI Coupe E 220 CDI Cabrio,-Coupe E 250 CDI 4Matic,-Cabrio,-Coupe,-T-Model E 300 BlueTec Hybrid GLK 200/ 220 CDI,-4Matic GLK 250 CDI 4Matic ML 250 BlueTec 4Matic S 250 CDI SLK 250 CDI Sprinter 2.1 l CDI Viano CDI 2.0/ 2.2 Vito 110,113,116 CDI
				
<b>NEW</b>	7 7801 1	Bosch	2 004 336 223 1 004 336 434,451,828,980  replacement for 7 7281 1	0 001 107 031,032 0 001 121 003 DB/DW(R) 12V 1.1 kW Chrysler 04557 466 Porsche 986 604 104 00 Boxster 2.5 1996-1999 Boxster 2.7/3.2 S 1999-2004
				
<b>NEW</b>	7 7802 1	Bosch  FIAT Nissan Porsche PSA Renault Volvo VW	2 004 336 214 1 004 336 416,420,462,745, 749,814,830,841 9949392 5825 C8 77 01 047 321 30862530 012 911 209 058 911 209 B  replacement for 7 7282 1	0 001 106 012,017,022-024,028 0 001 107 043,070,071,073,074,087 DW(R) 12V 0.9-1.1 kW R74-M10,-M25,-M30 12V(R) R74-S10,-S20 12V(R) 23300-00Q1D 96FB-11000-KB,-KC,-KD 1011331 77 00 875 450 82 00 199 737 82 00 466 754,-758,-761 82 00 724 786,-805,-810,-817 82 00 929 534 93161060 012 911 023,-X 06B 911 023,-X
				





	IKA-No.	Original	References	Unit-Nos.		
<b>NEW</b> 	7 7803 1	Bosch	2 004 336 212 1 004 336 239,314,320,321, 368,382,391,421, 716,728,809,810, 831,853,970,985	0 001 106 012,017-019,026,027 0 001 107 009,015,016,027,028,030,034,037, 041,044,045,048,056,059-061,063 064,067,072,075,076,079,082,088, 092,093,096,100,101		
		FIAT	9949392	6 000 AA0 013		
		MB	001 151 00 14 001 151 34 14 001 151 34 15	9 000 694 035,044 9 001 107 088 F 000 AL0 113		
		Nissan	23378-1F705	DW(R) 12V 0.9-1.2 kW		
		Opel	90542850 93180602	R74-M10,-M20,-M25,-S10 12V(R) 12 41 7 570 487,-488 93 427 646		
		PSA		04686 512,-AC,-CB,-CC		
		Renault	77 01 047 321	60562974, 9615519880,9624291380		
		Toyota	28140-02020	91AB-11000-LB		
		VW	069 911 209 D	96BB-11000 CA,-CB 92AB-11000-GB,-JA 95FB-11000-BD 95GB-11000-FA 96FB-11000-ME 97KB-11000-AA,-AB,-AC R91AX-11000-KB1 1027772,1067622,1416207 005 151 53 01 005 151 66 01 005 151 69 01 09198701 90444193,90449689,90451825, 90487345,90508037,90512188, 90512189,90518627,90518628 9200961 23300-1F705,-715 96 147 592, 96 155 198 77 00 115 294 77 00 872 450 77 00 875 450 82 00 466 744 82 00 724 786 28100-02040,-02080, 28100-0E010,-0D030 069 911 023 G		
				replacement for 7 7260 1		
<b>NEW</b> 	7 7804 1	Bosch	2 004 336 226 1 004 336 338,392,444,717, 833,989	0 001 107 047,077,098 DW(R) 12V 1.1 kW R74-M20 12V(R) 1516788R 9117691,9200960 90586916,93184536 77 00 105 080 77 00 865 719		
		Opel	09117925			
		Renault	77 01 042 469			
				replacement for 7 7283 1		
		<b>NEW</b> 	7 7805 1	Bosch	2 004 336 221 1 004 336 239,309,320,332, 397,415,421,432, 433,715,728,744, 801,809,813,827, 842,938,957,964, 970,975	0 001 106 011,014,015,025 0 001 107 010,012,014-019, 025-030,033,038,041, 044,049,054,055, 059-063,066-069,075, 076,079,082,083,085, 088,089,091-095,097,
				FIAT	7078094,77363063 9943569,9947478,9947649 9947890,9949392,9950837	0 001 121 001,002 9 000 694 022,035,044 9 001 107 088 9 007 045 020
				Ford	BF5-A11082-A	DB/DW(R) 12V 0.9-1.1 kW
				KHD	01340542	1516766R,1516773R,1516776R
				Nissan	23378-1F705,-99B15	46468696,46748349,46748350, 46821681
				Opel	9044710,9118123	9613230280,9615519880, 9624291380
PSA	5828 98, 9947649			91AB-11000-JA,-LB 92AB-11000-GA,-GB 92BB-11000-AA 93BB-11000-CA,-CB		
VW	053 911 209 058 911 209 A					
				old model: brass type 7 7131 1		



	IKA-No.	Original	References	Unit-Nos.
				95FB-11000-BD 95GB-11000-FA 96FB-11000-ME 97KB-11000-AA,-AB,-AC 6816678 005 151 38 01 660 151 01 01 23300-94851 23300-99B15,-99B16 23300-1F705,-1F715 90444193,90458462, 90512188,90518628,90535261 9117031,9133598,9198701 5802 E4 96035034,96102058, 96147592,96155198 28100-02040,-02080,-16230 28100-0E010,-0D030 8602102,8602104 036 911 023 S,-SX 053 911 023,-A,-B 058 911 023 B,-BX 085 911 023 H
<b>NEW</b>	7 7806 1	Bosch	2 004 336 220 1 004 336 219,326,427,428, 435,469,775,776, 820,870,937,987	0 001 106 020 0 001 107 011,024,039,040,046, 058,080,090 F 002 G20 318 DW(L) 12V 0.9-1.1 kW R74-M27,-S10 12V(L) RF74-M25 12V(L) 23300-94850 23300-99B00,-99B05,-99B06 Nissan Micra, -Sabre, -Sentra 1.3/1.6 i MG,Rover, Lombardini, Piaggio
		Nissan VW	23378-99B05 02B 911 209 D  replacement for 7 7259 1	
<b>NEW</b>	7 7807 1	Bosch	2 004 336 215 1 004 336 417,746,821,951 02B 911 209	0 001 106 016 0 001 107 003-008,020-023,052,053 0 001 121 006-011,016-019,022,023 DB/DW(L) 12V 1.1 kW 1516679R,1516723R, 1516779R,1516781R 95VW-11000-BA,-BB YM21-11000-EA 020 911 023,-F,-FX,-J,-N 02A 811 023 E,-F,-L,-T,-TX 02B 911 023 B,-F 02M 911 023,-X 02T 911 023 A,-E,-EX
		VW	old model: brass type 7 7126 1	
<b>NEW</b>	7 7811 1	Bosch	2 004 336 209,227 1 004 336 337,343,363,374, 375,823,832,850, 859,935,971,973	0 001 108 074,123,143,148,170,172, 180-182,186,199 DW(R) 12V 1.4 kW R74-L20,-L25,-L35 12V(R) 0486109 90490356,90490771, 90541527,90563736, 93177175,93184538, 96017849,96035034, 96092340,96235689 1202136 77 00 106 426,-763, 77 00 113 207 77 00 860 915 82 00 466 763 82 00 724 823 18213-M68KA-000
		Opel PSA Renault	90444706 95655222, 5825 C4 77 01 039 506 77 01 044 936,-938 77 01 047 322  replacement for 7 7257 1 7 7258 1 7 7296 1	









	IKA-No.	Original	References	Unit-Nos.
<p><b>NEW</b></p> 	7 7812 1	Bosch	2 004 336 216,217,222,225 1 004 336 300,318,403,411, 418,419,423,436, 439,443,457,464, 733,740,747,748, 762,806,812,816, 837,902,903,907, 912,913,918,921, 922,934,936,941, 950,954,960,965, 968,974,986,995, 998	0 001 108 001,002,004,009-013, 016-020,022-033,035, 037-040,042-048,051-054, 056,057,061-066,068-073, 075,078-093,098,100-122, 124-126,128-141,144-146, 149-156,158-160,162,166, 167,169,171,173-178,183, 184,188,189,197,995-999
		BMW	12 41 1 722 849 12 41 1 735 887	F 002 G20 049,052,101,141, 449,500,639
		FIAT	9939779,9950076	F 005 M00 006,010,011,013,016
		Ford	AU2-11049-A V86BB-11061-AA	F 010 AL0 103 DW(R) 12V 1.1-1.6 kW DW(R) 24V 1.6 kW R74-L20,-L25,-L35 12V(R) 1516802R 5802 A9, 5802 C1 5802 E1, 5802 E5 5802 F0, 5802 F5 96035034, 96092340
		MB	001 151 46 14 001 151 49 14 001 151 87 14 001 151 96 14 001 151 98 14 001 151 99 14	
		Mitsubishi	MR922747	
		Opel	905434727,9196673 1203039	
		Porsche		
		PSA	5825 C1, 5825 C5 95 656 565	
		Volvo	1363547	
VW	035 911 209 D.-E 078 911 209,-A			
		replacement for 7 7256 1		
		old model: brass type 7 7124 1		
<p><b>NEW</b></p> 	7 7813 1	Bosch	2 004 336 219 1 004 336 426,442,467,772, 811,904,919,923, 961	0 001 108 005,014,015,050, 058-060,076,077, 094-097,099,127, 147,168
		FIAT	9944377,9944734	0 001 111 001,005
		VW	02A 911 209 A	9 000 964 021 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW 7727534,76683140 933 604 001 00 02A 911 023 C,-D 02B 911 023 B 055 911 023 G
			replacement for 7 7128 1	
<p><b>NEW</b></p> 	7 7814 1	Bosch	2 004 336 210 1 004 336 136,362,911,944	0 001 108 021 DW(L) 12V 1.4 kW Porsche 951 604 101 00 924 2.5 S 944 2.5,-S,-Turbo 944 2.7



	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b> 	7 7821 1	Bosch  Volvo VW	2 004 336 218 1 004 336 424,452,763,803, 852 9442299 03G 911 209 M  replacement for 7 7248 1 7 7249 1	0 001 115 002,007 0 001 123 001 DB/DW(R) 12V 1.7 kW R/RF74-E10 12V(R) 30658566 9162400,9168267 996 604 103 00
<b>NEW</b> 	7 7822 1	Bosch  MB  VW	2 004 336 213 1 004 336 369,414,470,722, 743,824 0 001 151 08 14 0 001 151 45 14 07C 911 209  replacement for 7 7250 1	0 001 115 009,012,016,017,024 DW(R) 12V 1.7 kW R74-E10 12V(R) 55351631 93176056,93184539 9146359 9200610 07C 911 023,-X
<b>NEW</b> 	7 7823 1	Bosch  VW	2 004 336 224 1 004 336 453,867 03G 911 209 L  replacement for 7 7247 1	0 001 115 011,013 DW(L) 12V 1.7kW R74-E10 12V(L) 996 604 107 00, 01, 02 996 604 108 00 Porsche 911 3.6 - 4.0 I
<b>NEW</b> 	7 7831 1	Bosch  Renault	2 004 336 233 1 004 336 361,456,460,468, 802,848,946,994 77 01 042 471 77 01 044 940  old model: brass type 7 7132 1	0 001 109 035 0 001 110 089,114 0 001 115 001 DW(R) 12V 1.7kW 1516790R 60 01 040 105 77 00 102 800 77 00 866 505
<b>NEW</b> 	7 7832 1	Bosch  MB  Renault Volvo VW	2 004 336 245 1 004 336 437,463,835,864, 908,931,949,976 1 007 010 092 Kit 000 151 95 14 001 151 02 14 001 151 23 14 77 01 033 239 3344018 068 911 209 E  replacement for 7 7253 1	0 001 110 003,026,039,053,095,113 DW(R) 12V 1.7-1.8kW R78-L25 12V(R) 001 151 78 01 77 00 777 478 77 00 864 634 35605617
<b>NEW</b> 	7 7833 1	Bosch  Toyota  VW	2 004 336 235 1 004 336 279,409,422,729, 738,860,868 28140-0G010 28140-0G030 02A 911 209 C 068 911 209 J  replacement for 7 7284 1 7 7295 1	0 001 110 126-129,132 0 001 124 020,021 F 000 AL0 108 DW(R) 12V 1.8kW R/RF78-L25 12V(R) 28100-0G010 28100-0G030 068 911 024 F,-G,-GX,-H

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	7 7834 1	Bosch	2 004 336 244 1 004 336 405,407,465,735, 736,819,845,984	0 001 109 034 0 001 110 048,049 0 001 125 501-504,507,508 DB(R) 12V 1.7-2.0 kW 1516661R, 1516674R 1516682R, 1516727R 28100-0B020 069 911 023 E,-H,-J 073 911 023 A
		Opel PSA Toyota VW	90510286 5825 A4 28140-0B020 069 911 209 E  replacement for 7 7254 1	
<b>NEW</b>	7 7835 1	Bosch	2 004 336 238 1 004 336 367,401,404,413, 450,455,458,731, 734,742,807,826, 849,909,914,924, 925,942,947,955, 959,962,981	0 001 109 001-003,006-008,021,022,041,056, 200,201,253 0 001 110 004,005,007,008,011-013,016,017, 019,022-025,027-030,041-046,051, 054-056,063-068,075,078,079,082, 083,088,090-092,102,104-108,110, 111,120,122-125,999
		MB  VW	1 007 010 091 Kit 001 151 17 14 000 151 92 14 059 911 209 A  replacement for 7 7251 1  old model: brass type 7 7129 1	0 001 124 015 0 001 125 602 F 000 AL0 105,107 F 010 AL0 101 DW(R) 12V 1.6-2.2 kW R78-M10,-M15,-M20,-M25 12V(R) 12 41 7 720 663,-664 77167660 92AB-11000-HA,-HB 5802 A6 77 00 856 291
<b>NEW</b>	7 7836 1	Bosch	2 004 336 237,241 1 004 336 301,400,412,430, 431,438,445,447, 472,730,741,778, 779,804,829,836, 840,881,956,996, 997	0 001 109 001-003,006-009,014,017,018, 025,026,028,030,031,033, 036,040,042,043,045,046, 048,049,056,363,419,420
		FIAT  MB  Opel Porsche PSA  Toyota VW	994784, 994840, 9951205 99478260, 9947840, 9951021, 001 151 03 14 001 151 43 14 001 151 44 14 9117908  5825 D0 91536044, 994784 28140-0G010 031 911 209 077 911 209 C  replacement for 7 7252 1 7 7297 1 7 7298 1	0 001 110 100,101,112,115 F 000 AL0 105,107,112,117 DW(R) 12V 1.6-2.0 kW R78-M25 12V(R) 12 41 2 242 703 12 41 2 246 570 12 41 2 446 570 12 41 4 371 646 93389727 1516655R, 1516680R 46430721, 46430784, 46437520, 46800159, 60814911, 9947830 2T14-11000-AA 004 151 70 01, 004 151 89 01 004 151 92 01 120 2143 90511841, 90519332 91154217 96035035, 96054384 031 911 023 A,-AX,-C 077 911 023 E,-EX
<b>NEW</b>	7 7837 1	Bosch	2 004 336 234 1 004 336 394,461,720,999	0 001 109 015,042,046,052,055 061-063
		Opel	90540337 93185014  replacement for 7 7532 1	DW(R) 12V 2.0 kW R78-M15,-M25 12V(R) 1516830R 90512467, 90519015, 90519331, 90566073, 93171526, 93176034, 55351630

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b> 	7 7838 1	Bosch	2 004 336 230 1 004 336 257,402,440,446, 459,466,732,777, 808,847,906,926, 927,933,958,983, 988,991	0 001 109 011 0 001 110 001,002,009,010,031,032,039, 061,062,069,070,076,077,084, 085,098,099 0 001 125 005,006,009,010,018,019 DB/DW(L) 12V 1.6-2.0 kW R78-M10,-M25 12V(L) 1516724R, 1516749R,1516782R 97VW-11000-BA 004 151 87 01 911 604 102 01 964 604 104 00, 965 604 104 00 02A 911 023 B,-C,-G,-H,-S 02B 911 023 C 02M 911 023 A 020 911 023 A,-B,-D,-P,-PX 020 911 024 A 068 911 023 G,-M,-T 098 911 023
		VW	02A 911 209 B 020 911 209 021 911 209 036 911 209 A 068 911 209 E  replacement for 7 7255 1  old model: brass type 7 7127 1  field coil connector 64mm	
<b>NEW</b> 	7 7839 1	Bosch	2 004 336 240 1 004 336 408,429,737,777, 808,990	0 001 109 012,029 0 001 125 001,002,012,013, 016,017,021,022 DB(L) 2.0 kW VW 028 911 023 M 02A 911 023 R,-RX 02B 911 023 D,-E 02T 911 023 C DAF 1516691R,-6812R,-6828R
		VW	02A 911 209 C  replacement for 7 7294 1	

IKA-No.	Original	References	Unit-Nos.
7 7171 1	Denso	028510-0640 028510-0840 028510-5500  with 2 negative brushes  complete kit with positive brushes: 7 7371 1	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830 128000-0570,-0960,-1040
7 7172 1	Denso	028510-0500 028510-5390  with 2 negative brushes  complete kit with positive brushes: 7 7372 1	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870 028000-7240,-8070 128000-1790,3080 428000-1860
7 7179 1	Denso	028510-0880  Kit with 4 brushes	128000-0490,-2450,2470, 128000-2560,-2740,-3361 128000-4250,-4682-4685 228000-331,332,573 228000-585,700 12/24V 3.0/5.5KW
7 7181 1	Denso	028510-5190  with 2 negative brushes  complete kit with positive brushes: 7 7381 1	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
7 7214 1	Denso	028510-0750,-5320  with 2 negative brushes  complete kit with positive brushes: 7 7414 1	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860 128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame
7 7370 1	Denso  Kit	028510-0560  complete with 4 brushes	028000-5330-35, -6380-82, -9490 Daihatsu

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7371 1</b>	Denso  Kit	028510-0640 028510-0840 028510-5500  with additional positive brushes 2 x JAS 77	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830 128000-0570,-0960,-1040
	<b>7 7372 1</b>	Denso  Kit	028510-0500 028510-5390  with additional positive brushes 2 x JAS 88	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870 028000-7240,-8070 128000-1790,3080
	<b>7 7377 1</b>	Denso Italy  Bosch	028510-6410,-6421, -6440,-6490 2 008 336 010  complete w. 4 brushes	P76 - 12 Volt 2.0 kW BMW series 3,5,7 Citroen C5 Peugeot 307,407 Toyota Avensis,Corolla,Verso
	<b>7 7381 1</b>	Denso  Kit	028510-5190  with additional positive brushes 2 x JAS 52	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
	<b>7 7414 1</b>	Denso  Kit	028510-0750,-5320  with additional positive brushes 2 x JAS 84	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860 128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame
	<b>7 7606 1</b>	Denso	128099-6312 complete w. 4 brushes	28100-28052 428000-0150, -3090 1.3 kW Toyota Camry Prius

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	7 7629 1	Denso MB		428000-5510, -5511 A 000 906 01 26 80 A 006 151 45 01 12V 1.8 kW Mercedes CDI
				
<b>NEW</b>	7 7630 1	Denso Bosch Toyota		428000-4500, -4550, -4560, -5830, -6180 DSN920, -947, -948, -949, -980 0 986 023 260 28100-0D090, -0D180 28100-0J030, -0J031, -0J050 28100-0Q040, -0Q041, -0Q050 28100-0Y010, -0Y030 28100-40090, -40091, -40140 28100-47120, 47121, -47122, -47130, -47131, -47132 12V 1.3 kW Toyota Avensis 1.6i/1.8i 16V,-Liftback,-Wagon 2003-2008 Corolla 1.6i/1.8i 16V >2004
				

IKA-No.	Original	References	Unit-Nos.
7 7211 1	Ford-Visteon	E90Z-11061-A,B,C with 4 brushes	E90F-11000-AA,-BA E9SF-11000-AA,-BA F02F-11000-AA F07U-11000-AA,-BA F0CF-11000-AA,-BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA PMGR-Starter Ford USA
7 7212 1	Ford-Visteon	F3RZ-11061-A with 4 brushes	93BB-11000-HB,-JB,-JC, 93BB-11000-KA,-KB,-KC PMGR-Starter Ford Europe
7 7213 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA  with 2 negative brushes two component grade O.E. version  complete kit with positive brushes: 7 7313 1	1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA,-AB,-AC,-AD,-AE 1C3Z-11002-AA 2C2U-11000-AA 2C3T-1000-AA 2C3Z-11002-AA PMGR-Starter 12V 3,6kW
7 7215 1	Ford-Visteon	with 4 brushes	1S7U-11000-AB,-AC, 2S6U-11000-EB, 96BB-11000-AA,-AB,-AC 98AB-11000-BB,-BC,-CC,-CD, YS4U-11000-AA,-BA
7 7261 1	Ford-Visteon	F7RU-11434-BA with 4 brushes	97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A 12V 1.9 kW



IKA-No.	Original	References	Unit-Nos.
7 7313 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA	1C24-11000-AA 1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA, -AB, -AC, -AD, -AE 1C3Z-11002-AA 2C24-11000-AA 2C2U-11000-AA 2C3T-11000-AA 2C3Z-11002-AA PMGR Starter 3.6 kw 12 Volt
	Kit	with additional positive brushes 2x F76 two component grade O.E. version	







IKA-No.	Original	References	Unit-Nos.
7 7140 1	Hitachi	2114-23106 2114-53104,-53105 2114-63104,-73105 complete with positive brush-pair	S114-750,751,753,758,762A, 765,766A,775A,800,801 804,805,808,816,818 829A,-B,850  Opel Astra D Opel Corsa D
7 7141 1	Hitachi	2114-4311, -19008 2114-29007,-39001,-49007 2114-69008,-79001,-89007  with 2 negative brushes  complete kit with positive brushes: 7 7341 1	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489,525 Nissan 23378-05E00
7 7142 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100  with 2 negative brushes  complete kit with positive brushes: 7 7342 1	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121
7 7143 1	Hitachi	2250-7310  with 2 negative brushes  complete kit with positive brushes: 7 7343 1	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
7 7341 1	Hitachi	2114-4311, -19008 2114-29007,-39001,-49007 2114-69008,-79001,-89007  Kit with additional positive brushes 2 x JAS 81	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489 Nissan 23378-05E00
7 7342 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100  Kit with additional positive brushes 2 x JAS 74	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121

IKA-No.	Original	References	Unit-Nos.
7 7343 1	Hitachi Kit	2250-7310 with additional positive brushes 2 x JAS 36	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
7 7524 1	Hitachi	2114-23104,-39008, -83102,-93102 complete with 4 brushes and 4 springs	S114-505,-A,507A,509,516,-A 517,-C,518,519A,523 526,-A,-B,527,-A,-B,530,533 535,701A,-B,-BR,705A

IKA-No.	Original	References	Unit-Nos.
7 7190 1	Marelli/Fiat	832 244 61 832 253 26  with 1 negative brush  complete kit with positive brushes: 7 7390 1	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo
7 7191 1	Marelli/Fiat Bosch	832 263 36 2 008 336 015  with 2 negative brushes  complete kit with positive brushes: 7 7391 1	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
7 7192 1	Marelli/Fiat	832 212 41  with 2 negative brushes  complete kit with positive brushes: 7 7392 1	E80 0,8/1-12 632 228 31-33,36-38 632 230 31-34
7 7193 1	Marelli/Fiat Bosch	542 944 44 832 204 61 2 008 336 014  with 2 negative brushes  complete kit with positive brushes: 7 7393 1	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
7 7194 1	Marelli/Fiat	832 258 86 with 2 negative brushes  complete kit with positive brushes: 7 7394 1	632 230 39 632 233 04 632 930 39 E80E
7 7390 1	Marelli/Fiat  Kit	832 244 61 832 253 26  with additional positive brushes 1 x JS 39 1 x JS 40	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo





	IKA-No.	Original	References	Unit-Nos.
	7 7391 1	Marelli/Fiat Kit	832 263 36 with additional positive brush pair JS 54	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
	7 7392 1	Marelli/Fiat Kit	832 212 41 with additional positive brushes 2 x JS 36	E80 0,8/1-12 632 228 31-33,36-38 632 230 31-34
	7 7393 1	Marelli/Fiat Kit	542 944 44 832 204 61 with additional positive brushes 2 x JS 34	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
	7 7394 1	Marelli/Fiat Kit	832 258 86 with additional positive brushes 1 x JS 45 1 x JS 57	632 230 39 632 233 04 632 930 39 E80E
	7 7395 1	Marelli/Fiat Kit	721 641 01 complete with 4 brushes	632 171 01,04-08,10,12,16-21,25, 632 171 26,38,47,48,54,56,58,63, 632 171 73,80,82,86,88,97 632 174 01-04,07,08,10,25,33,47 MT71 / MT74 - 12 Volt
	7 7396 1	Marelli/Fiat Kit	721 641 02 complete with 4 brushes	632 172 25,26 MT72 - 24 Volt






IKA-No.	Original	References	Unit-Nos.
7 7397 1	Marelli/Fiat  Kit	721 647 01 723 627 01  complete with 4 brushes	632 168 02,08,11,14-18,25-27,31, 632 168 33,51,52,59,61,73,74,76, 632 168 84,96,98 MT68 - 12 Volt
7 7398 1	Marelli/Fiat  Kit	721 650 01  complete with 4 brushes	632 167 01-04,06-08,10,25-27,31, 632 167 33,38,40,41,47,48,63 MT67 - 24 Volt





IKA-No.	Original	References	Unit-Nos.
7 7182 1	Melco	M649T03571 M649X02572,-03573 with 2 negative brushes  complete kit with positive brushes: 7 7382 1	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
			
7 7183 1	Melco	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513 with 2 negative brushes  complete kit with positive brushes: 7 7383 1	M2T20181D,30481,30581,30981, 31081,32281,32581,32782D, 37081,41181,41182,42381, 42481,42781,42881,42981, 42985,43681,43781,43881, 44081,44781,48081,49281, 49282,49881 M3T10476D,21781D,21882D, 27686H,27781,27781D, 29482D,30081,30082,30281 30282,30285,30286,30381, 30382,30581,30781,30782, 30881,30981,32581,32582, 32583,32589,32591-32593, 32681,32782,32782D,33081 33182,33282,33581,33582, 33582A,33583,33585,33586, 33586A,33586D,33587, 33588,34782,35081,35082, 36081,37481,37781,37782, 38481,38581,38682,38881, 38881A,B,C,38882, 38882A,B,C,38883,38884, 38885,39385,39981,41081, 41083,41181,41285,41381, 41781,42781,42881,43881, 44081,70381,
			
	Hyundai	36170-21740	36100-11150,21760,21770
7 7185 1	Melco	M649T02171 with 2 negative brushes  complete kit with positive brushes: 7 7385 1	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
			
7 7186 1	Melco	M649T05071 with 2 negative brushes 12 Volt  complete kit with positive brushes: 7 7386 1	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971 36100-42011
			






IKA-No.	Original	References	Unit-Nos.
7 7187 1	Melco  Kia/Hyundai	M649T01271,1272,-1273 M649T06871,-09371,-09471  36169-32510 36170-32500  complete with positive brush pair	M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583 HSP112110,112130 MG112014,MP112023 36100-32510
7 7188 1	Melco	M649T01671 M649T06971  complete with positive brush-pair	M1T74081,74181,74281,74283, 74381,74481,74482,74581, 74583,74781,74781A,75181, 75281,75283,75381,75581, 75681,76081,76281
7 7189 1	Melco    Nissan	M649T04471 M649X09571   23378-N5912  with 2 negative brushes suitable for 3 and 4 brushes version  complete kit with positive brushes: 7 7389 1	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381 50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D 23300-00H10
7 7274 1	Melco  Mitsubishi	M649T20471 M649X20471 ME701467  with 2 negative brushes  complete kit with positive brushes: 7 7374 1	M2T84071,-ZT, M2T84171,-ZT, M2T84271, M2T84371, M2T 84571 M2T84671, M2T84771, M2T87071, M2T87171 1810A050, 181A053 12 Volt
7 7275 1	Melco	M321X07076  complete with positive brush pair	M0T80281B,-82881,-87881 91581 DACIA















	IKA-No.	Original	References	Unit-Nos.
	7 7374 1	Melco	M649T20471 M649X20471 ME701467	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
		Kit	with additional positive brushes 2 x JAS 70	
	7 7382 1	Melco	M649T03571 M649X02572,-03573	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
		Kit	with additional positive brushes 2 x JAS 70	
	7 7383 1	Melco	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513	M2T20181D,30481,30581,30981, 31081,32281,32581,32782D, 37081,41181,41182,42381, 42481,42781,42881,42981, 42985,43681,43781,43881, 44081,44781,48081,49281, 49282,49881
		Kit	with additional positive brushes 2 x JAS 83	M3T10476D,21781D,21882D, 27686H,27781,27781D, 29482D,30081,30082,30281 30282,30285,30286,30381, 30382,30581,30781,30782, 30881,30981,32581,32582, 32583,32589,32591-32593, 32681,32782,32782D,33081 33182,33282,33581,33582, 33582A,33583,33585,33586, 33586A,33586D,33587, 33588,34782,35081,35082, 36081,37481,37781,37782, 38481,38581,38682,38881, 38881A,B,C,38882, 38882A,B,C,38883,38884, 38885,39385,39981,41081, 41083,41181,41285,41381, 41781,42781,42881,43881, 44081,70381
		Hyundai	36170-21740	36100-1150,-21760,-21770
	7 7384 1	Melco	M648X28671 M649T05072	
		Mitsubishi Nissan Kit	with 4 brushes 24 Volt	



	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7385 1</b>	Melco  Kit	M649T02171  with additional positive brushes 2 x JAS 71	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
	<b>7 7386 1</b>	Melco  Mazda Mitsubishi Nissan  Kit	M648X28271 M649T05071    with additional positive brushes 2 x JAS 99 12 Volt	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971 36100-42011
	<b>7 7389 1</b>	Melco  Nissan  Kit	M649T04471 M649X09571  23378-N5912  with additional positive brushes 2 x JAS 70 suitable for 3 and 4 brushes version	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381 50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D 23300-00H10
	<b>7 7525 1</b>	Melco  Ford	M649T04971,-04972 M649T07371 M371X07371 ME 700047,ME 700939 ME700939 E5PF-11061-A E5PF-11434-AA  w/o. brushes and springs Brush Set JASX 71-72 P/N 0 1972 1  complete kit: 7 7625 1	M3T56071,-56072,-56076, 56082,-56174,-56181, 56182,-56183,-56272, 56471,-66071,-66072, 66073,-66074 67171,-67172 E8TF-11000-AA F3TU-11000-AA
	<b>7 7526 1</b>	Melco	M321X04471,-04771, -05171,-07071  complete with springs and brushes	M0T60081,-60082,-70881 M0T80081,-80281,-A,80285,-A M0T80381,80581,-80981 M0T81081,-81281,-81284,-81681 M0T82281,-83981,-85981 M1T60285,-84181,-86281,-ZC







IKA-No.	Original	References	Unit-Nos.
7 7527 1	Melco Mitsubishi	M649X20771 ME701495  with 4 springs and negative brushes	M2T80772, M2T87571, M2T87871, M2TS5071 M8T80071,-A,-B, M8T80171, M8T80371, M8T80372, M8T80373 24V
			
7 7528 1	Melco	M321X10276 complete with springs and brushes	M0T70381,-70481,-81181 M1T70483,-73383,-84883
			
7 7625 1	Melco  Mitsubishi Ford	M649T04971,-04972 M649T07371 M371X07371 ME 700047, ME 700939 E5PF-11061-A E5PF-11434-AA	M3T66071-074 M3T67171,-172
	Kit	with 4 springs and brush set JASX 71-72	
<b>NEW</b>			
7 7628 1	Melco Honda	M321X15071	M0T20871, M0T20871ZE, M0T20872ZE M0T21471, M0T30771, M0T32171, M0T32172, M0T35471, M0T36071, M0T45071ZT, M0T45171
			

IKA-No.	Original	References	Unit-Nos.
7 7168 1	Remy	 <p>1988121,1988122 1988439 w/o. brushes</p> <p>brush set RX 134 (12V) 0 1282 1 brush set RX 134H (24V) 0 1259 1</p> <p>latest model: brush set RX 134-2C (12V) 0 1264 1 brush set RX 134H-2C (24V) 0 1265 1</p> <p>complete kits 12V 7 7368 1 7 7368 2 complete kits 24V 7 7468 1 7 7468 2</p>	<p>10478809,10,20,24,36,39 92-94 10478918,31 42MT 12/24 Volt</p>
7 7169 1	Remy	 <p>10475602 complete with 4 brushes</p>	<p>9000786, 798, 804-806, 812, 9000819-822, 827, 834, 835, 9000844, 850, 851, 853 PG260M 12 Volt</p>
7 7175 1	Remy	 <p>10468705,10468706 10469238,10470140 w/o. brushes</p> <p>brush set RX 135 (12V) 0 1283 1 brush set RX 135H (24V) 0 1260 1</p> <p>complete kit 12V 7 7375 1 complete kit 24V 7 7475 1</p>	<p>37MT, 41MT series DD 12/24 Volt</p>
7 7176 1	Remy	 <p>1979387,1979494 w/o. brushes</p> <p>brush set RX 122 (12V) 0 1280 1 brush set RX 122H (24V) 0 1256 1</p> <p>complete kit 12V 7 7376 1 complete kit 24V 7 7476 1</p>	<p>40MT 400,450 12/24 Volt</p>
7 7178 1	Remy	 <p>10456456 w/o. brushes</p> <p>brush set RX 457-458 (12V) 0 1255 1 brush set RX 419-420 (24V) 0 1254 1</p> <p>complete kit 12V 7 7378 1 complete kit 24V 7 7478 1</p>	<p>28MT 12/24 Volt</p>







IKA-No.	Original	References	Unit-Nos.	
	7 7180 1	Remy	1984974,1985065 with terminal post w/o. brushes	50MT 12/24 Volt
		brush set RX 124 (12V) 0 1281 1 brush set RX 124H (24V) 0 1257 1		
		complete kit 12V 7 7380 1 complete kit 24V 7 7480 1		
	7 7263 1	Remy	10472352 w. 4 brushes 10476006 w. 2 brushes  complete with 4 brushes	PG150, PG150S, PG260F1 9000785,-833,-839,-840,-847, -859,-871,872,-873,-884 21020-761,-893 21021-366
	7 7264 1	Remy	10475107  complete with 4 brushes	SD80F 10455506,9627548
	7 7368 1	Remy  Kit	1988121  with brush set RX 134	42MT 12 Volt
	7 7375 1	Remy  Kit	10468705  with brush set RX 135	37MT, 41MT series DD 12 Volt
	7 7376 1	Remy  Kit	1979387  with brush set RX 122	40MT 12 Volt





	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7378 1</b>	Remy Kit	10456456 with brush set RX 457-458	28MT 12 Volt
	<b>7 7380 1</b>	Remy Kit	1984974 with terminal post with brush set RX 124	50MT 12 Volt
	<b>7 7468 1</b>	Remy Kit	1988439 with brush set RX 134H	42MT 24Volt
	<b>7 7475 1</b>	Remy Kit	10469238 with brush set RX 135H	37MT, 41MT series DD 24 Volt
	<b>7 7476 1</b>	Remy Kit	1979494 with brush set RX 122H	40MT 24 Volt
	<b>7 7478 1</b>	Remy Kit	10456456 with brush set RX 419-420	28MT 24 Volt






	IKA-No.	Original	References	Unit-Nos.
	7 7480 1	Remy Kit	1985065 with brush set RX 124H	50MT 24 Volt
<b>NEW</b> 	7 7632 1	Remy Melco	39MT	19011501, 19011504, 19024196 M9T80472, M9T80473 M9T83671 24 Volt

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7146 1</b>	Valeo VW	190987,191335,191824, 193288,200393 02M 911 209F  complete with brushes	D7GS8,D7GS10 TS18E1,TS18E3,TS18R123 SIH anticlock VW Overload Protection Starters 02Z 911 024JX  PSX 163-164
	<b>7 7147 1</b>	Valeo	190097,190986,191141 191821,191823  complete with brushes	D7G11, D7G3, D7G4, D7GS9 Overload Protection Starters Audi,BMW,PSA PSX 160-164
	<b>7 7148 1</b>	Valeo	replaced by: 7 7149 1	
	<b>7 7149 1</b>	Valeo	192984 (191060,191822) interchangeable  complete with brushes	D7G... SH clockwise PSA/Renault Overload Protection Starters  PSX 165-164
	<b>7 7150 1</b>	Valeo	181 961 594 072 brush length 14.5 mm w/o. brushes and springs	D6RA8,10  PSX 146-147
	<b>7 7151 1</b>	Valeo	183 957 186 381 594 070 brush length 16.5 mm w/o. brushes and springs	D6RA5,6,12,16,18,20,61  PSX 148-149



IKA-No.	Original	References	Unit-Nos.
7 7152 1	Valeo	for 4 brushes w/o. brushes and springs  brush sets	D8E... / D9E...  PSX 129 PSX 130
			
7 7153 1	Valeo	for 2 brushes w/o. brushes and springs  brush set	D8E... / D9E...  PSX 133
			
7 7156 1	Valeo	for 2 and 4 brushes w/o. brushes and springs  brush sets	D9R...  PSX 138-139(2) PSX 140-141(4)
			
7 7157 1	Valeo	with 4 springs and 4 caps w/o. brushes  brush sets	D7R...  PSX 142-143 PSX 142-144 PSX 142-145
			
7 7159 1	Valeo	594351 3 brushes 594290 4 brushes 594479 complete with 4 brushes fits 3 brushes version  brush sets	D7E 1,4,6,8,15,16 18-20,22,23,27, 29-32,47,52 SH 12 Volt  PSX 155(3) PSA PSX 155(4) Mercedes A-class
			
7 7165 1	Valeo	594381 complete with brushes  brush set	D7ES 2,4,5 SIH 12 Volt VW PSX 156
			

IKA-No.	Original	References	Unit-Nos.
7 7601 1	Valeo	199411 brush holder with bracket  with two component brushes	D6G... SIH anticlock VW
			
7 7602 1	Valeo	195253 brush holder with bracket with two component brushes  replaced by 7 7604 1	D6G... SH clockwise
			
7 7603 1	Valeo	195713 brush holder with bracket  with two component brushes	D6G... SH clockwise
			
7 7604 1	Valeo	594706 194404, 195253 brush holder with bracket  with two component brushes  replacement for 7 7602 1	D6G3... SH clockwise
			

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 5001 0</b>	Faurecia	Brush Card MAD 2 Engine Cooler	77 01 470 783 Peugeot 106 Saxo Renault Clio Kangoo
	<b>7 5002 0</b>	Faurecia	Brush Card MAD 2 complete with harness Engine Cooler	
	<b>7 5003 0</b>	Siemens-VDO	Brush Card power steering pump	
	<b>7 5004 0</b>	BMW	Brush Card power steering pump	
	<b>7 5101 2</b>	Faurecia	HPI spring kit	PSA Renault fits Brush Set HPIX 3 fits Brush Cards 7 5001 0 and 7 5002 0

IKA-No.

Original

References

Unit-Nos.

7 5102 2

BMW

HPI  
spring kit

fits brush card 7 5004 0



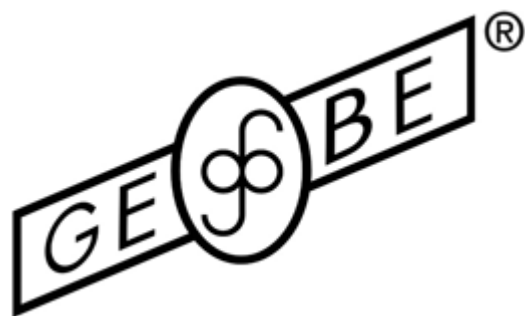
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STARTERRITZEL


STARTER DRIVES

LANCEURS DE DEMARREUR











IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5000 1	Bosch	2 006 380 558	41 x 120	0 001 401 002,044,045,046
	Femsa Fiat Iskra Marelli	2 006 381 558 3550 9008738 18 100 021 74372580,74372630	11 teeth  CW	0 001 402 002,051,052,053, 057 0 001 501 003,020,032 11 130 158
4 5001 1	Bosch	2 006 380 010	35 x 120	0 001 401 007,025,041,049,050,051
	CAV Fiat Iskra Marelli	2 006 380 410 2 006 381 010 2 006 381 410 5549 306BJ 8122125,9004794,9923779 18 100 098 74372530	9 teeth  CW	052,061,066,074 0 001 402 008,050,054,055,058,059, 060,061,071,075,080,081, 083 0 001 501 001,038
4 5002 1	Bosch	2 006 209 452	14.3/40 x 91	0 001 362 302,324
	DAF Fiat Iveco	2 006 209 495 2 006 209 532 067031 9959813 93159768	10 teeth Splines 10 E CW	0 001 367 002,017,020,047,048, 051,057,066,070,071, 076,077,302 0 001 368 023,034,040,044,052, 060,066,068,070,072, 076,082,087,306,312, 0 001 369 002,012 9 000 143 412,415,416,601
4 5003 1	Bosch	2 006 209 471	12/26 x 71	0 001 362 047,069,070,077, 078,083
	Iskra MB Volvo VW	16 900 920  A 000 151 68 13 000 151 68 13 1257680 069 911 335	9 teeth Splines 10 E CW	11 130 300 11 130 399
4 5005 1	Bosch	086 264 492	14.3/35 x 91	0 001 362 051,063,096,097,300, 306,309
	Fiat MB Remy	2 006 209 492 2 006 209 529 2 006 209 530 2 006 209 536 2 006 209 930 79034927,8122157,9959619 A 001 151 00 13 001 151 00 13 190245520 19025715	9 teeth Splines 10 E CW	0 001 363 116 0 001 364 301 0 001 366 018,021 0 001 367 001,004,005,007,010, 011,012,014,019,021, 023,026,027,030,031, 034,039,045,046,049, 050,052,059,068,074, 300,301,303 0 001 368 001,002,003,005,007, 008,010,011,012,013, 014,017,018,021,022, 024,028,030,031,032, 033,035,047,055,061, 062,063,300,301





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5006 1</b> 	Bosch	1 006 209 523 9 003 336 291	12/28 x 64 10 teeth	0 001 218 006,016,021,029,108 109,110,150,156,160
	MB	A 000 151 95 13 000 151 95 13	Splines 10 E CW	0 001 219 001,007,009,013
<b>4 5007 1</b> 	Bosch	1 006 209 543,544,576, 596,703,710, 918,919,921	12/26 x 58 9 teeth Splines 10 E	0 001 108 094,095,127 110 001,002,014,015,076 077,098,099,133
	Fiat VW	1 007 010 045 9944373 020 911 335 B	AC	112 003,004,038,039 113 011,012 114 005,006
<b>4 5008 1</b> 	Bosch	9 002 336 283 9939710	12/36 x 62 9 teeth	0 001 218 014,019,024,101 102,103,154,159
	Fiat Iveco	42531397	Splines 10 E CW	163,164,167,174
<b>4 5010 1</b> 	Bosch	1 006 209 553,558,565, 583,591,910, 911,922	12/28 x 79 10 teeth Splines 10 E	0 001 107 005,006 108 076,077,096 110 069,070,086,87 118,119
	VW	021 911 335	AC	114 009,010
<b>4 5014 1</b> 	Bosch	1 006 209 552,594,912	12/28 x 79 10 teeth	0 001 110 031,032,061,062 084,085
	VW	02A 911 335 D	Splines 10 E AC	
<b>4 5015 1</b> 	Bosch	1 006 209 579,917 9 001 081 010	12/28 x 76 10 teeth	0 001 107 003,004,022,023 9 000 081 001,002
	VW	F 000 AL1 704 02A 911 335 C	Splines 10 E AC	









IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5017 1</b> 	Bosch	1 006 209 584 1 006 209 600 1 006 209 686 9 001 081 033 9943565	12/26 x 54 9 teeth Splines 10 E CW	0 001 106 012,017,022,023 107 009,012,013,015 017,018,019,025 026,034,044,045 056,070,071 100,101 9 000 081 004
	Fiat PSA Renault VW	5835.A8 7701049503 053 911 335 A		
<b>4 5021 1</b> 	Bosch	1 006 209 618,638,667, 672,677,690, 787,937	12/26 x 49 9 teeth Splines 10 E CW	0 001 107 037,048,054,055,067 068,069,072,073,074 076,094,095,096 0 001 108 162,166,167,172,173 174,175,178,188,189 199,204 0 001 109 018 0 001 115 002,007,012,015,020,024
	Fiat Opel	9947831 90543728		
<b>4 5022 1</b> 	Bosch	1 006 209 621 1 006 209 648 1 006 209 699	11/26 x 81 10 teeth Splines 16 E AC	0 001 124 001,002,005,006 0 001 125 001,002,007,008, 011,012,013,021, 022,031,042,051
	VW	02T 911 335 047 911 335 D		
<b>4 5024 1</b> 	Bosch	1 006 209 628 1 006 209 649 1 006 209 758	11/26 x 81 9 teeth Splines 16 E AC	0 001 124 003,004,013,014 0 001 125 005,006,009,035
	VW	047 911 335 F		
<b>4 5025 1</b> 	Bosch	1 006 209 624,633,692, 696,706,715, 944	12/26 x 47 9 teeth Splines 10 E CW	0 001 106 011,014,015 0 001 107, 047,063,077 091,097 0 001 108 171,176,184 0 001 112 035,041 0 001 116 003
	Fiat	9948703		
<b>4 5031 1</b> 	Bosch	1 006 209 645 1 006 209 802 1 006 209 950	12/29 x 49 9 teeth Splines 10 E CW	0 001 109 025,030,033,035,045 200,201,253,267-270
	Fiat	9947843		





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5032 1</b>	Bosch Fiat	1 006 209 634,660,779,792 77363343	12/30 x 49 9 teeth Splines 10 E CW	0 001 107 062 108 157,169
				
<b>4 5033 1</b>	Bosch Renault	1 006 209 671 77 01 044 934	12/30 x 49 11 teeth Splines 10 E CW	0 001 108 180,182,186
				
<b>4 5035 1</b>	Bosch Fiat MB PSA	1 006 209 631,635,678 77362114 A 001 151 27 13 001 151 27 13 5835.F3	12/28 x 49 10 teeth Splines 10 E CW	0 001 108 183 0 001 109 036,250 0 001 110 112 0 001 115 001,008
				
<b>4 5036 1</b>	Bosch	1 006 209 681 1 006 209 943	12/28 x 104 10 teeth Splines 16 E AC	0 001 125 016,017,018,019 046,047,048,049 605,606
				
<b>4 5038 1</b>	Bosch Iveco Renault	6 033 AD0 077 6 033 AD1 002 42535270 50 01 856 564	12/36 x 62 9 teeth Splines 16 E CW	0 001 223 003,007
				
<b>4 5039 1</b>	Bosch DAF Iveco John Deere	6 033 AD0 184 6 033 AD0 200 6 033 AD4 019 9 002 336 237 1382550 42537064 RE 50 881 3	14.3/40 x 82 10 teeth Splines 10 E CW	0 001 230 004,008,009 231 012,016,017
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5040 1</b> 	Bosch	0 952 236 000 6 033 AD0 442 6 033 AD0 462 6 033 AD3 006 6 033 AD3 108 6 033 AD3 244 6 033 AD3 850 6 033 AD4 034 9 002 336 236	14.3/34 x 82 9 teeth Splines 10 E CW	0 001 230 001,006,012 231 002,003,005,018
	MB	001 151 18 13 001 151 32 13		
<b>4 5042 1</b> 	Bosch	1 006 209 653 1 006 209 751 1 006 209 947	12/26 x 49 9 teeth Splines 10 E CW	0 001 109 041,048,061,063 252,256,264
	Fiat	9948378		
<b>4 5046 1</b> 	Bosch	1 006 209 793 1 006 209 801 1 006 209 807 93176041	11/26 x 48 9 teeth Splines 16 E CW	0 001 107 401- 406 408,409,421 427,428,435 436,446,447
	Opel VW	03G 911 335 B		
<b>4 5047 1</b> 	Bosch	1 006 209 804	11/27 x 48 10 teeth Splines 16 E CW	0 001 107 407,410 417,418
<b>4 5048 1</b> 	Bosch	1 006 209 812	11/28 x 48 10 teeth Splines 16 E CW	0 001 108 400
<b>4 5051 1</b> 	Bosch Toyota	1 006 209 695 28011-0D030	12/35 x 47 11 teeth Splines 10 E CW	0 001 107 088 28100-0D030

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5057 1</b> 	Bosch	2 006 209 241 2 006 209 242 2 006 209 249 2 006 209 331 2 006 209 332 000 151 83 13	12/26 x 73 9 teeth Splines 10 E CW	0 001 362 001,003,004,007, 027,028,029,030
	MB			
<b>4 5058 1</b> 	Bosch	2 006 209 470 2 006 209 483 9 001 451 343 79026090,9936730,9937949 9956676,9983629 79026090	14..3/35 x 74 9 teeth Splines 10 E CW	0 001 362 039,062,073,102,105, 322,323 0 001 363 111,122 4728682
	Fiat Iveco			
<b>4 5059 1</b> 	Bosch	2 006 209 449 2 006 209 469 2 006 209 476 2 006 209 485 2 006 209 504 60732870 19024524 2199120	14.3/34 x 74 9 teeth Splines 10 E CW	0 001 362 034,036,040,041,046, 046,050,053,072,074, 075,076,091,305,308, 311,313,314,320 0 001 363 107,109,110,112,113, 114,115,124 0 001 366 001,002,004,009,014, 014,015,017,020,022, 0 001 369 014,024
	Fiat Remy Volvo			
<b>4 5061 1</b> 	Bosch	1 006 209 503,504,506,509, 513,526,528,530, 531,536,548,563, 567,570,572,573, 582,597,619,684, 685,693,694,701, 702,705,707,709, 711,906,939 9 001 081 002 F 000 AL1	12/26 x 58 9 teeth Splines 10 E CW	0 001 108 001,002,003,007,009,010 011,012,016,017,018,019 022,023,024,026,027,028 029,030,031,035,038,043 044,047,048,051,052,053 056,061,062,064,072,073 074,078,079,080,081,084 085,086,088,089,090,093 098,101,102,107,109,112 113,114,120,124,125,126 130,133,136,138,143,148 149,150,153,159,170
	Fiat Ford Opel PSA Volvo	040,514,516,534,698,700 60734324,60808596 9941314,9943481,9947424 6118837 82GB11350AA 87GB11350BA V86BB11350AA 1203188,90273737, 90444703 583571,583579,583599, 5835.A4 1363534,3343937,3344825		0 001 109 059,060 0 001 110 012,022,023,027,029,030 045,046,048,049,052,063 100,101,106,107,122,123 126,128,129 0 001 112 005,006,007,008,013,015 022,024,025,027,028,029 044,045 0 001 113 001,002,004,005,006,007 008,013,014 0 001 114 003,004,015,016 0 001 116 005 0 001 208 501,507,510,515,516,517 518,526,528,705,707,709 710,711,713,714,717 0 001 211 500,501,502,503,504,505 510,514,525,526,529,530 536,538 9 000 081 003 9 000 333 104,106,109

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5062 1</b>	Bosch Ford PSA	2 006 209 431 6122080 583563	14.3/27 x 74 10 teeth Splines 10 E CW	0 001 362 081,602,603,606,607
				
<b>4 5063 1</b>	Bosch MAN Remy	2 006 209 425 2 006 209 494 81 26213 6003 19024525	14.3/41 x 91 11 teeth Splines 10 E CW	0 001 362 064,301,303,304 0 001 363 118 0 001 366 008 0 001 367 008,009,013,015, 018,024,032,043, 067 0 001 368 006,009,015,025, 039,041
				
<b>4 5064 1</b>	Bosch Fiat VW Volvo	9 001 140 317 9 003 336 293 5984563 5985182 046 911 342 AC 069 911 335 A 1367414	12/26 x 62 9 teeth Splines 10 E CW	0 001 218 001,004,005,008,010,012 013,017,018,025,107,111 112,113,114,115,120,121 130,131,133,141,145,146 147,155 0 001 219 004,008
				
<b>4 5065 1</b>	Bosch	6 003 AD5 055 6 003 AD5 078	20.8/30 x 128 19 teeth Splines 7 E CW	0 001 241 003,004 005,006,007 014,015,019
				
<b>4 5066 1</b>	Bosch Iveco	1 006 209 818 1 006 209 964 500053150	12/36 x 54 9 teeth Splines 10 E CW	0 001 109 300,302
				
<b>4 5070 1</b>	Bosch Toyota	1 006 209 799 1 006 209 981 28011-0D130	11/29 x 48 9 teeth Splines 10 E CW	0 001 107 423,433,434 6 004 A94 449
				




IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5077 1	Bosch	1 006 209 785 1 006 209 961	11/28 x 91 10 teeth Splines 16 E AC	0 001 123 014-017 0 001 123 020, -021
				
<b>NEW</b> 4 5083 1	Bosch	2 006 209 466	14.3/47 x 74 12 teeth Splines 10 E CW	0 001 362 307
				
<b>NEW</b> 4 5084 1	Bosch	2 006 209 458 2 006 209 543 2 006 209 544	14.3/37 x 91 9 teeth Splines 10 E CW	0 001 367 072 0 001 368 069, -083 0 001 369 007, -019, -025
				
<b>NEW</b> 4 5085 1	Bosch	1 006 209 602	12/30 x 54 9 teeth Splines 10 E AC	0 001 107 024
				
<b>NEW</b> 4 5086 1	Bosch	6 033 AD0 004	12/30 x 58 9 teeth Splines 16 E CW	0 001 223 001
				
<b>NEW</b> 4 5090 1	Bosch	9 002 336 216	12/30 x 62 9 teeth Splines 10 E CW	0 001 218 143 0 001 218 144 0 001 218 171
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5095 1	Bosch	1 006 209 683 F 002 G20 517	12/35 x 49 9 teeth Splines 10 E CW	0 001 107 083 F002 G20 516
				
<b>NEW</b> 4 5101 1	Bosch	1 006 209 755 1 006 209 783 1 006 209 949 1 006 209 960	11/29 x 90 9 teeth Splines 16 E CW	0 001 124 020, -021 0 001 125 053, -054, -600, -601
				
<b>NEW</b> 4 5105 1	Bosch	0 399 D53 002 2 006 209 558 2 007 010 160 6 033 AD5 359	21/30 x 130 19 teeth Splines 7 E CW	0 001 241 001, -008, -024, -119 0 001 261 004, -006, -013, -025 -026, -028
				
<b>NEW</b> 4 5107 1	Bosch	6 033 AD 115 6 033 AD4 001	14.3/36 x 82 11 teeth Splines 10 E CW	0 001 231 006
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5091 1	Denso		11/29 x 43 9 teeth Splines 10 E CW	428000-0670 428000-0680 428000-1750, -1760
<b>NEW</b> 4 5109 1	Denso		11/32 x 43 12 teeth Splines 10 E CW	428000-4600 428000-5510 428000-5511





IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5027 1	Ford-Visteon	106688 10670-F7RU	12/45 x 47 13 teeth Splines 12 E CW	97VB-11000-AB 98VB-11000 98VB-11000-B1A 98VB-11000-B3B 98VB-11000-BA
				
4 5044 1	Ford-Visteon		12/38 x 47 12 teeth Splines 12 E AC	1S7U-11000-BA,BB,BC 2S7T-11000-DA 97CA-11000-AB XS7U-11000-AB,BA YC1U-11000-AA,AB,AE
				
4 5069 1	Ford-Visteon		12/36 x 47 11 teeth Splines 12 E CW	3M5T11000CD,CE,DC 4M5T11000FA
				





IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5013 1	Hitachi	2114-15507 2114-85501 2130-75004	36 x 87 9 teeth	S114-357B S114-367 S114-395A
	Nissan	23312-06T00 23312-10G00 23312-11M00 23312-W1700	CW	S13-101,102,104,105, 105A,326,327,502A, 69,81,92A






IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5055 1</b> 	Lucas	54243783 54246738,6896 54247187 TMB115	17/39 x 70 10 teeth Splines 12 E CW	26211U 26227R,V 26265J,M 26291E 26305D,N 26312B 26316A,M 26329A,L 26338A,F 26339A,K 26341A,J 26352A,L 26379A,F 26395A,H 26430A,D 26431A,B
	Lucas	54247034,7036 54247134 54295155 60600024 TMB120	17/39 x 73 10 teeth Splines 12 E CW	26236L 26238M,Q 26248M 26256H 26259L,N
<b>4 5056 1</b> 	Marelli	54247034 54295155 85541490	17/39 x 73 10 teeth Splines 12 E CW	26264H,K 26271F,J 26279F,K 26281F,J
	<b>NEW</b> 4 5075 1	Lucas Marelli	54293455 54293455	12/28 x 50 8 teeth Splines 9 E CW
<b>NEW</b> 4 5103 1 	Lucas	54268140, TNB167	17/46 x 70 13 teeth Splines 12 E CW	27501A/E, 27531A/D, 27577
	Marelli	85541459		63227501

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5018 1</b> 	Fiat	9945556	11.5/26 x 64 9 teeth Splines 6 E CW	46414994,5504,6879,6897 7733966 7772459,2462 7785949 63101000,1002,1008 63102003,2004,2007,2008 63103002,3003,3025,3026 63222889,2900,2901,2905, 2908,2909,2936, 3035,3085,3101, 3108,3109,3200, 3303
	Marelli	85540971 85541780		
<b>4 5029 1</b> 	Marelli	85540831 85541050	12/28 x 53 10 teeth Splines 10 E CW	63223433
<b>4 5073 1</b> 	Marelli		12/29 x 64 9 teeth Splines 10 E CW	63114017
<b>NEW</b> <b>4 5080 1</b> 	Fiat	4059392 4061018	12/27 x 64 8 teeth Splines 2 R AC	4050812, 4060912, -919 4060920, 4126193 63220101, -106, -402, -403 63220432, -433
	Marelli	74868261		
<b>NEW</b> <b>4 5082 1</b> 	Bosch	1 006 209 607, -670, -675 F 000 AL1 250	12/29 x 47 9 teeth Splines 10 E CW	0 001 107 030, -066, -075, -078, -079, -081 46468696
	Fiat	9947838		
<b>NEW</b> <b>4 5093 1</b> 	Marelli	83226407 85541300	12/35 x 50 11 teeth Splines 10 E CW	428000-0660 63113001, -3002 63193001 63280071

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5094 1	Marelli Nissan	54294771 23354-2F200	12/28 x 66 8 teeth Splines 10 E CW	63111001, 63191001, 63223534 23300-2F000, -4E210, -53J11, -63J10, -63J11, -70J12
<b>NEW</b> 4 5100 1	Marelli		12/29 x 64 9 teeth Splines 10 E CW	63114017
<b>NEW</b> 4 5104 1	Marelli		12/40.5 x 73 10 teeth Splines 10 E CW	63280040, 63280041

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5009 1</b> 	Melco Mando Melroe	M191T22771 1D30 2128 6D19	12/28 x 55 8 teeth Splines 8 E CW	M3T21882 M3T22581 M3T30881 M3T33981 E365 18 400B
	Mazda	E356 18 X45		
<b>4 5011 1</b> 	Melco	M191T22071 M191T22371 M191T22971 M191T23071 M191T23471	12/28 x 55 8 teeth Splines 8 E CW	M2T30581 M3T21281,21281D,21381,21381D M3T24482H,24482J,24486H,25282H M3T27686D,27786,29482,29482D M3T32591,32592,32593,32782D M3T33281,33282,33586D,38181,38381 M3T38881,38881A,38881B,38881C M3T38882,38882A,38882B,38882C M3T38884,38981,38982,39481,39981 M3T41081,41083,41088,41181,41185 M3T41186,41285,42781,48181,49381
	Mitsubishi Mazda Nissan Suzuki	MD607894,MD611372 B630 18 X45 23354 42L10 31320 79030, 31320 82130		
<b>4 5016 1</b> 	Melco	M191T12070 M191T12071 M191T12471	12/28 x 51 8 teeth Splines 8 E CW	M0T70381 M0T80081 M1T70481,70482,70483,70485,70681, 70685,70686,70687,71382, 71388,71581,71681,72081, 72085,72086,72088,72088, 72483,72483ZC,72581,72582, 72583,73283,73381,73383, 73881,73881ZC,74881,78981, 79091
	Mitsubishi Nissan Mazda	MD611211 23354 42 L70 AM15 18 X25		
<b>4 5019 1</b> 	Melco	M191T13671 M191T14671	12/32 x 51 12 teeth Splines 8 E CW	M1T80081 M1T90281
	Mitsubishi	M357X91372		
<b>4 5028 1</b> 	Melco	M191T15071 M191X68071	13/33 x 51 10 teeth Splines 8 E CW	M2T80582 M2T84071 M2T84171 M2T87171
	Mitsubishi	MD618963		
<b>4 5030 1</b> 	Melco	M191X67771 M191X67871 M191X68671	14.8/19.9 x 110 20 teeth Splines 5 E CW	M8T50071 M8T50171 M8T75171 M8T80071

IKA-No.	Original	References	Dimensions	Unit-Nos.
	Melco Mitsubishi	M191T68471 M191X68471 MD619204	13/38 x 51 12 teeth Splines 8 E CW	M2T87971 M2T88071
	Melco	M191T94571	13/32 x 51 12 teeth Splines 8 E CW	5033125 M2T88571 M2T88572
	Melco	M191X69271	13/30 x 51 9 teeth Splines 8E CW	M2T84771
<b>NEW</b> 	Melco Nissan	M357X77971 23357-0C010	10/60 x 98 21 teeth  AC	M2T25481
<b>NEW</b> 	Melco	M191T15871	12/28 x 37 8 teeth Splines 8 E CW	M0T20471, -72 M0T30672 M0T30771 M0T35171 M0T36071
	Melco	5001857622 M191X69771 M191X93771	18.9/24.9 x 135 26 teeth Splines 5 E CW	5010306533 M9T60371 M9T60471 M9T60671 M9T60672

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5092 1	Melco Hyundai/Kia		14.6/19 x 118/130 19 teeth CW	
				
<b>NEW</b> 4 5098 1	Melco	M191X94271	14.8/19.9 x 92 20 teeth Splines 5 E CW	M8T75071
				
<b>NEW</b> 4 5106 1	Melco	5001857622 M191X69771 M191X93771	18.9/24.9 x 135 26 teeth Splines 5 E CW	5010306533 M9T60371, M9T60471, M9T60671 M9T60672, M9T61571
				









IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5081 1	PAL Magneton	02-8014-09	18.6/41 x 109 11 teeth Splines 3E AC	





IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5037 1	Remy	10451980 10475974	12/26 x 45 9 teeth Splines 12 E CW	10465298,384,459 21020761 3231062,1396 9000794,833,837,839, 840,847,859 96208781,8782,8783,8785
4 5049 1	Remy Deawoo	1055503 3120A78B00	12/28 x 45 8 teeth Splines 12 E CW	96275481 31100A78B00

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5004 1</b>	Valeo	105538 182047,185182 594245 NE209,NE883	12/32 x 61 12 teeth Splines 9 E CW	D9R73 D9R134
				
<b>4 5012 1</b>	Valeo	180827,182176,184530 185675,186456 594042 NE776,NE832	12/30 x 61 11 teeth Splines 9 E CW	D9R89,D9R99 D9R112,D9R118,D9R119 D9R122,D9R135,D9R149
				
<b>4 5020 1</b>	Valeo	185915 594185 NE834	12/30 x 54 11 teeth Splines 9 E CW	D7R5,D7R7,D7R8,D7R9 D7R12,D7R13,D7R16,D7R18 D7R20,D7R25,D7R26,D7R27 D7R35,D7R40,D7R43,D7R44 D7R47,D7R48,D7R49
				
<b>4 5023 1</b>	Valeo	186798 594177,594252	12/28 x 51 10 teeth Splines 5 E CW	D6RA56 D6RA62 D6RA133
				
<b>4 5026 1</b>	Valeo	187336,187863,187996 188251 594287 NE949	11/25 x 41 9 teeth Splines 10 E CW	D7E1 D7E5 D7E16 D7E39
				
<b>4 5041 1</b>	Valeo	059427 594279 187528	12/29 x 54 11 teeth Splines 10 E CW	D7R19 D7R28
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5043 1</b>	Valeo	188993 594410	12/32 x 54 10 teeth Splines 9 E CW	D7R34 D7R53
				
<b>4 5045 1</b>	Valeo	187328 594248 NE878	12/26 x 57 9 teeth Splines 5 E CW	D6RA68 D6RA168
				
<b>4 5053 1</b>	Valeo	191601	12/26 x 45 9 teeth Splines 5 E CW	D6G1, D6G3, D6G32, D6G5, D6G98
				
<b>4 5054 1</b>	Valeo	076980 093623,097062,097062 NE184	12/26 x 60 9 teeth Splines 12 E CW	D8E121,D8E142,D8E152,D8E81 D9E12,D9E20,D9E22,D9E26,D9E34 D9E35,D9E37,D9E41
				
<b>4 5060 1</b>	Valeo  Fiat	099931 184917 NE197 9405835568	12/26 x 55 9 teeth Splines 9 CW	D9E36,D9E38,D9E39,D9E46,D9E48 D9E49,D9E52,D9E54,D9E55,D9E56 D9E61,D9E62,D9E66,D9E68,D9E69 D9E70,D9E74,D9E76,D9E77,D9E78 D9E79,D9E81,D9E85,DE9851,D9E852 D9E86,D9E100,D9E101,D9E123
				
<b>4 5067 1</b>	Valeo	193462 594729	12/28 x 73 10 teeth Splines 9 E CW	D7G15, D7G18, D7G22
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5068 1</b>	Valeo	191769	11/24 x 41 8 teeth Splines 5 E CW	TS10E4 TS10E5
				
<b>4 5071 1</b>	Valeo	192929 594631	12/29 x 46 11 teeth Splines 10 E CW	D7G3 TS18E13
				
<b>NEW 4 5076 1</b>	Valeo Mitsubishi	187077 594247 NE879 MD620980	12/28 x 51 8 teeth Splines 5 E CW	D6RA76
				
<b>NEW 4 5088 1</b>	Valeo Nissan	193013 594747 23354-JG70A	12/32 x 45 10 teeth Splines 8 E CW	TS22E5 TS22E5B 23300-00Q0D 23300-3400A9 23300-JG70A
				
<b>NEW 4 5096 1</b>	Valeo	191548 594665	12/29 x 82 10teeth Splines 10 E AC	D6GS11, -12, -13
				
<b>NEW 4 5097 1</b>	Valeo Nissan	192651, 594725	11/27 x 41 8 teeth Splines 5 E CW	TS8E3, -E4, -E5 23300-1F770, -1F771, -1F772
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5099 1	Valeo	188270 594389 594699	12/29 x 91 11 teeth Splines 9 E AC	D7RS29,-30,-31,-129
				
<b>NEW</b> 4 5108 1	Valeo	194440 194480 594734	11/27 x 44 8 teeth Splines 5 E CW	TS10E1
				

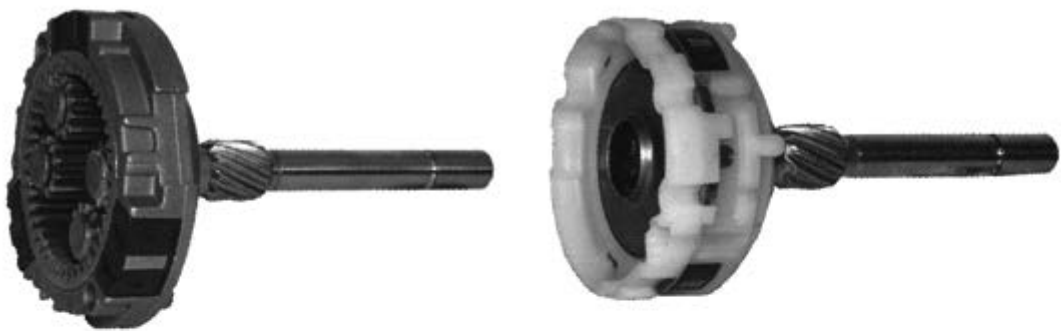
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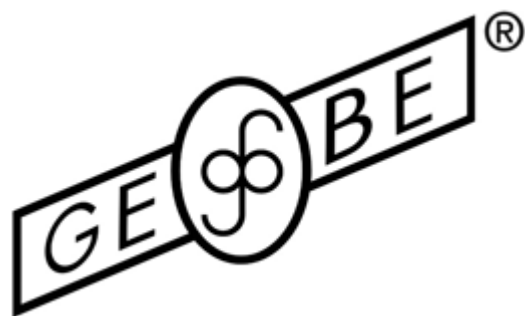
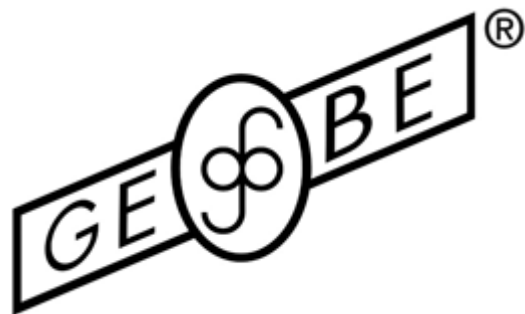
# 4

PLANETENGETRIEBE







PLANETARY GEARS

COURONNE AXE REDUCTEUR







	IKA-No.	Original	References	Unit-Nos.
	4 2301 0	Bosch	1 006 200 006 1 006 200 187 Outer Gear 4 2202 0	0 001 110 004,007,008,011-013,019, 022,023,027,043-046,048, 049,051,052,064-067,083, 088,090,108,111,120
	4 2302 0	Bosch	1 006 200 012 1 006 200 183 Outer Gear 4 2202 0 interchangeable with 4 2381 0	0 001 110 009,010,031,032
	4 2304 0	Bosch	1 006 200 001,005,010,018, 056,123,131 Outer Gear 4 2201 0	0 001 108 001,002,004,007,009-012, 016,017,019,020,022-031, 033,035,037-040,043,044, 047,048,051-053,056,057, 061,062,071-073,075,081, 082,084-086,091-093,095, 098,100,109,111,116-119, 126,129,136,137,144,146, 151,152,154,158,159,225, 241,242 0 001 111 003
	4 2306 0	Bosch	1 006 200 004,021 Outer Gear 4 2202 0	0 001 110 001,002,014,015 057,058
	4 2308 0	Bosch	1 006 200 037,130,159 Outer Gear 4 2207 0	0 001 107 003,004,022,023
	4 2310 0	Bosch	1 006 200 042,110 Outer Gear 4 2207 0	0 001 107 009,012,013,015,034,060 9 000 081 004

	IKA-No.	Original	References	Unit-Nos.
	4 2311 0	Bosch	1 006 200 043,128 Outer Gear 4 2207 0	001 107 007,008,020,021, 052,053 9 000 694 029
	4 2314 1	Bosch	1 006 200 057,132 O.E.REBUILT Outer Gear 4 2203 0	0 001 107 014,016 F 004 A94 009
	4 2315 0	Bosch	9 001 337 058,059 9 003 336 270,299 Gear Kit 4 2221 0 9 002 388 850	0 001 218 002,004,005,007-015 017-019,022-028, 100,102-107,111-115, 118,120-122,124-131, 133-136,138,140-147, 151-155,158,159,161, 163,164,167,168,171, 175-177, 0 001 219 004,008,011,012,014,112 6 003 AB1 J00 9 000 331 401,402,405,407-409, 412-415,417,418,422, 425-427,432,433 9 000 332 401,402
	4 2318 0	Bosch	1 006 200 050 9 001 337 056 9 003 336 259,268 Gear Kit 4 2221 0 9 002 338 850	0 001 218 006,016,021,029, 108-110,123,127, 139,150,156,160 0 001 219 001,007,009,015,017 9 000 331 419
	4 2321 1	Bosch	1 006 200 040 O.E.REBUILT Outer Gear 4 2208 0	0 001 109 001,002,006,007
	4 2322 0	Bosch	1 006 200 017,048,104, 134,903 Outer Gear 4 2203 0	0 001 108 003,018,042,054,057, 063-065,074,078-080, 083,087-090,101,102, 106-108,110,112-114, 120-122,124,125,143,149 9 000 694 038




	IKA-No.	Original	References	Unit-Nos.
	4 2323 0	Bosch	1 006 200 016,090,152,902 Outer Gear 4 2204 0	0 001 109 040 0 001 110 016,028-030,039,041, 048,049,053,054,071, 072,075,078,091,100, 101,104-107,110,113, 122,123,130,131
	4 2324 0	Bosch	1 006 200 019,171,904 F 010 AL1 021 Outer Gear 4 2204 0	0 001 109 017,049,059,060 0 001 110 017,026,079,089, 095,114,126-129, 136-139,999 F 010 AL0 101
	4 2326 0	Bosch	1 006 200 064 Outer Gear 4 2207 0	0 001 107 024
	4 2327 1	Bosch	1 006 200 070,133 O.E. REBUILT Outer Gear 4 2203 0	0 001 107 027-029,041
	4 2328 0	Bosch	1 006 200 069,127 Outer Gear 4 2207 0	0 001 107 025,026,103,104
	4 2329 0	Bosch	1 006 200 030,041,129 Outer Gear 4 2210 0	0 001 107 005,006 0 001 108 059,060,076,077, 096,097

IKA-No.	Original	References	Unit-Nos.
4 2362 0	Bosch	1 006 200 088 Outer Gear 4 2214 0	0 001 124 001-006,013,014
			
4 2363 0	Bosch	1 006 200 117 Outer Gear 4 2214 0	0 001 125 001,002,005-008,012, 013,021,022,031,032 035,036,042,043,051,052 F 002 G20 506
			
4 2364 0	Bosch	1 006 200 100,109,118 Outer Gear 4 2214 0	0 001 124 007,008,011,012, 022-025 0 001 125 003,004,009,010, 039,040,617,618
			
4 2366 0	Bosch	1 006 200 126 Outer Gear 4 2214 0	0 001 125 055,056,501-504,507,508, 511-514,517,518,602
			
4 2368 0	Bosch	9 001 337 073 9 003 336 265 Outer Gear 4 2221 0	0 001 218 116,117
			
4 2369 0	Bosch	1 006 200 096,099 Outer Gear 4 2214 0	0 001 109 014,018,025,026,028, 030,031,033,036,041, 042,048,061 200,204,252,253,264, 267-270,336,337,340, 341,364 0 001 110 112 F 002 G20 292,524,618,622,672
			

	IKA-No.	Original	References	Unit-Nos.
	4 2370 0	Bosch	1 006 200 058,103 Outer Gear 4 2200 0	0 001 107 017,018,044,045
<b>NEW</b>	4 2371 0	Bosch	1 006 200 087, -145 Outer Gear 4 2200 0	0 001 107 037 0 001 108 157, -169, -190, -196
	4 2373 1	Bosch	1 006 200 047 O.E.REBUILT Outer Gear 4 2203 0	0 001 108 115,145
	4 2374 1	Bosch	1 006 200 061,071,111 O.E.REBUILT Outer Gear 4 2203 0	0 001 108 125,128,132,139-141, 148,150,155,156,170, 177 0 001 115 035
	4 2375 0	Bosch	9 001 337 057 9 003 336 296 9 003 337 014 Gear Kit 4 2221 0	0 001 218 101,132,134-136,142, 148,149,157,163,174 9 000 331 417 9 000 332 402
	4 2377 1	Bosch	9 001 337 087 O.E.REBUILT Gear Kit 4 2221 0	0 001 218 162,165
	4 2378 1	Bosch	1 006 200 068,135 O.E.REBUILT Outer Gear 4 2201 0	0 001 108 130,133,138,210

	IKA-No.	Original	References	Unit-Nos.
	4 2379 0	Bosch	1 006 200 072,148,153 Outer Gear 4 2209 0	0 001 106 011,015,019 0 001 107 030,075,077,079,089, 092,093,098 9 006 694 035,044 F 000 AL0 106
	4 2380 1	Bosch	1 006 200 093 O.E.REBUILT Outer Gear 4 2207 0	0 001 107 047
	4 2381 0	Bosch	1 006 200 055,184 Outer Gear 4 2204 0	0 001 110 061,062,069,070, 084-087,118,119
	4 2382 1	Bosch	1 006 200 082 O.E.REBUILT Outer Gear 4 2203 0	0 001 108 153 Volvo 9128421
	4 2383 1	Bosch	1 006 200 014,900 O.E.REBUILT Outer Gear 4 2203 0	0 001 108 021,147 Porsche 951 604 101 00
	4 2385 1	Bosch	1 006 200 077,086,189 O.E.REBUILT Outer Gear 4 2204 0	0 001 110 076,077,098,099 Skoda VW 020 911 023 A,B

IKA-No.	Original	References	Unit-Nos.
	<b>4 2386 0</b>	Bosch 1 006 200 136 Outer Gear 4 2246 0	0 001 109 034,063 Toyota 28100-0B020
	<b>4 2387 0</b>	Bosch 1 006 200 303,304,306, 307,309,519 Outer Gear 4 2256 0	0 001 107 401,404,405,408,411, 430,490,491 0 001 108 401,402,405,406,408, 412,430,431 F 004 A94 004 FIAT 467 916 92, 518 329 59 551 934 06 /60 717 398 64 Ford 3M5T-11000-EA 6G9N-11000-CC,-CD Opel 9115 190,-197 /9119 321 9317 1936,-5996,-6051 9318 4533,-4535
	<b>4 2388 0</b>	Bosch 1 006 200 095,195,201 Outer Gear 4 2207 0	0 001 106 014 0 001 107 043,063,066,087,091, 097,109-111 FIAT 9624291380 Ford 96FB-11000-KB,KC,KD PSA 96147592, 96155198
	<b>4 2389 0</b>	Bosch 9 001 336 244 6 033 AD0 233 6 033 AD3 310,311 Gear Kit 4 2250 0	0 001 230 001-010,012-014,018, 023,024,027,030 0 001 231 001-014,016-019,023, 028-030,033-036,038-041, 045,046,146
	<b>4 2390 0</b>	Bosch 1 006 301,302,310 Outer Gear 4 2256 0	0 001 107 402,403,407,409,410,417, 418,421,422,427,428,446, 447,499-502 0 001 108 400 0 399 708 303,304 F 004 A94 000,001,410,418

IKA-No.	Original	References	Unit-Nos.
4 2511 1	Ford-Visteon	PMGR Outer Gear 4 2229 0	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA
			
4 2512 1	Ford-Visteon	PMGR	97VB-11000-AB 98VB-11000-BA,-B1A,B3B
			
4 2514 1	Ford-Visteon	PMGR Outer Gear 4 2247 0	1S4U-11000-AA 93BB-11000-HB,-JB 96BB-11000-AA 97BB-11000-BB,-BC F3RZ-11002-B
			



IKA-No.      Original      References      Unit-Nos.

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4 2400 1

Marelli

542 941 89  
855 408 21,-22  
Outer Gear 4 2245 0

631 110 00  
632 234 30-36,-38,-94  
632 235 30-33  
632 236 39

IKA-No.	Original	References	Unit-Nos.
4 2502 1	Valeo	594538 Stationary Gear 59 teeth Planetary Shaft 22 teeth  Outer Gear 4 2219 0	D6RA 5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39, 41,48,49,59,61
			
4 2503 1	Valeo	Stationary Gear 59 teeth Planetary Shaft 22 teeth  Outer Gear 4 2219 0	D6RA65,165
			

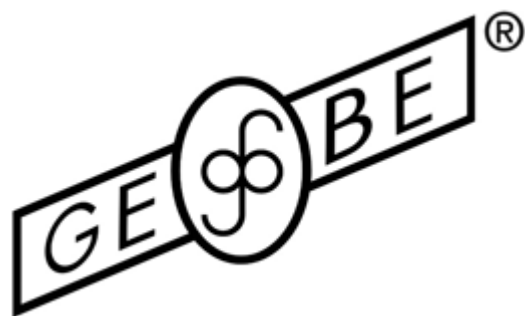
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ERSATZTEILE FÜR GETRIEBESTARTER

COMPONENTS FOR GEAR STARTERS

PIECES DE RECHANGE POUR DEMARREURS  
A REDUCTEUR





	IKA-No.	Original	References	Unit-Nos.
	<b>4 2200 0</b>	Bosch VW	1 005 821 340 1 005 821 362 03G 911 256	Gear 1 006 200 058,083,087,103,105, 112,114,116,125,137, 145,149,155,923 0 001 107 017,018,031,032,037,044, 045,048,049,054,055,059, 067-069,072-074,076,082,096 0 001 108 157,162,166,169,172-175,178, 180,182,186,188,189,190,196, 200,201,204 0 001 115 001,002,007,012,015,024 0 001 121 006-011,016-019,024-029 0 001 137 001-006,011,012 6 004 AA0 018 9 007 045 018,020 F 000 AL0 128 F 002 G20 318
	<b>4 2201 0</b>	Bosch VW	1 005 821 300,307,311 035 911 307,-A	Gear 1 006 200 001,005,007,010,018, 022,024,026,031,032,036,056, 068,074,123,131,135 0 001 108 001,002,004,007,009-013,016,017, 019,020,023-033,035,037-040, 043-048,050-053,056,057,059-062, 066,068-073,075-077,081,082, 084-086,091-096,098-100,103-105, 109,111,113-119,126-141,143-146, 148,150-159,169,203,210,225, 241,242,996-999 0 001 111 001
	<b>4 2202 0</b>	Bosch VW	1 005 821 303 068 911 307	Gear 1 006 200 004,006,012,015,020, 021,027,044,183,187 FIAT 9940739 0 001 109 003,008,009,011,012 0 001 110 001-005,007-016,018,019, 022-025,027,031-033, 042-046,048,049,051,052, 055,057,058,061,064-067,076, 077,082,083,088,090,092,098, 099,102,108,110,111,113, 115,120,124,125
	<b>4 2203 0</b>	Bosch VW	1 005 821 308,317 1 005 821 352 069 911 255F	Gear 1 006 200 014,017,047-049,057,059, 061,070,071,076,082,098, 104,111,132-134 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054-057, 063-065,074,078-080,083 087-090,101,102,106-108, 110,112-115,120,121-125, 128,132,134,135,139-141, 143,145,147-150,153,155, 156,160,170,177,995 0 001 111 002 0 001 115 035 F 002 G70 047 F 004 A94 009

IKA-No.	Original	References	Unit-Nos.
4 2204 0	Bosch VW	1 005 821 306 035 911 256B	Gear 1 006 200 016,019,033,034,039,055, 077,086,090,103,152,163, 171,184,902,904,908,909 F 010 AL1 030 0 001 109 017,040,049,059,060 0 001 110 016,017,026,028-030, 039,041,047-049,053, 054,059-063,068-073, 075-078-081,084-087, 089,091,095,098-100, 101,104-107,113,114, 118,119,122,123, 126-131,999
			
4 2205 0	Bosch  FIAT MB Opel PSA VW	9 001 140 322 Plastic Gear 9939195 000 151 02 30 1203400 5851 02 069 911 307	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
		alternative product 4 2221 1	
4 2206 0	Bosch	9 001 140 322 alternative product Steel Gear	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
			
4 2207 0	Bosch VW	1 005 821 312 035 911 307B	Gear 1 006 200 037,042,043,060,064,069, 093,095,110,127,128,130, 141,195,910 F 000 AL1 937 0 001 107 003,004,007-009,012,013 015,019-026,034,043,047, 052,053,060,062,063,066, 083,087,089,097,103,104 9 000 081 004 9 000 694 029 F 000 AL0 116
			
4 2208 0	Bosch VW	1 005 821 313 035 911 307F	Gear 1 006 200 040 0 001 109 001,002,006,007
			







IKA-No.	Original	References	Unit-Nos.
4 2209 0	Bosch	1 005 821 321	Gear 1 006 200 062,063,072,148,153, 160,161,180,206 0 001 106 011,012,015-017,019, 022-024 0 001 107 010,011,030,038,039, 075,077,079,080,088, 089,092,093,098 0 001 115 006 9 000 694 035,044 F 000 AL0 106
			
4 2210 0	Bosch VW	1 005 821 314 035 911 307C	Gear 1 006 200 030, 041,074,129,158,173 9 001 694 065 0 001 107 005,006,033,061,085 0 001 108 059,060,076,077,096,097 9 000 694 007,041,051,052
			
4 2211 0	Bosch	Rubber for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ... 0 001 137 001-006,011,012
			
4 2212 0	Bosch	Rubber for Outer Gear 4 2204 0, 4 2214 0  replaced by 4 2217 0	
			
4 2213 0	Bosch	9 003 331 003	Rubber for 0 001 218 ...
			

IKA-No.	Original	References	Unit-Nos.	
	4 2214 0	Bosch VW	1 005 821 333 02A 911 256	Gear 1 006 200 088,096,099-101,117, 118,122,126,143,166 0 001 109 014,015,018,019,025,026,028, 030,031,033,036,041,042,048, 052,055,061,062,068,200, 202-204,252,253,264,267-270, 336,337,340,341,364 0 001 110 112 0 001 124 001-008,011-015,022-025 0 001 125 001-013,016-019,021,022,025, 031,032,035,036,039,040,042, 043,046-049,051,052,055-060, 501-504,507,508,511-514, 517,518,602,605,606,617,618 F 002 G20 292,524,618,622,658,672
	4 2215 0	Bosch	Coverplate for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ...
	4 2216 0	Bosch	Coverplate for Outer Gear 4 2204 0, 4 2214 0	0 001 109 ... 0 001 110 ... 0 001 124 ... 0 001 125 ...
	4 2217 0	Bosch	Rubber for Outer Gear 7 2204 04, 2214 0  Replacement for 4 2212 0	0 001 109 ... 0 001 110 ... 0 001 124 ... 0 001 125 ...
	4 2221 1	Bosch FIAT MB Opel VW	9 002 338 850 9950143 000 151 03 30 90297091 046 911 307	0 001 218 100-161,163,164,167,168 170,171,174-178 602,620,703,710-712,715,716, 719,722,725,728,730,735-737, 740-742,754,757-759,763,764, 767,768,770,771,774-777,805, 808,809,812,814-822, 0 001 219 001-012,014,015,017,112 6 033 AB1 J00 9 000 331 402,405-407,412,415, 417-428,430-433, 9 000 332 401,402,405,406






IKA-No.	Original	References	Unit-Nos.
	4 2222 0	Bosch 1 000 290 014,020 plastic gear ring for 4 2200 0	0 001 107 017,018,031,032,037,044,045, 048,049,054,055,059,067-069, 073,074,076,082
			0 001 108 190 F 005 M00 006,013 0 001 121 006-011,016-019,024-029 F 002 G20 318
	4 2225 0	Bosch plastic gear ring for 4 2203 0	0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112-115,120-124,128, 132,134,139-141,143,145, 148-150,155,156,160,170, 177,995
	4 2226 0	Bosch plastic gear ring for 4 2204 0  plastic gear ring for 4 2214 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095, 105-107,113,114,118,119, 122,999 F 010 AL0 101
			0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042, 048,200,252,253 0 001 110 112 0 001 124 001-006, 011-015 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032, 035,036,042,043,046-049, 051,052,055,056, 501-504,507,508,511-514, 517,518,602,605,606
	4 2240 0	Bosch Gear for 4 2200 0  Gear for 4 2203 0	0 001 107 031,032,037,048,049,059,082 0 001 108 190 0 001 115 001,002,007,012,015,024 F 005 M 000 006,013 0 001 108 115,145
	4 2241 0	Bosch Gear for 4 2200 0  Gear for 4 2203 0	0 001 107 017,018,044,045,054,055, 067-069,073,074,076 0 001 108 162,172,178,180,182,186,204 0 001 137 001-006,011,012 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112,114,120-124,128, 132,134,139-141,143,148-150, 155,156,160,170,177,995



	IKA-No.	Original	References	Unit-Nos.
	4 2242 0	Bosch	Gear for 4 2204 0  Gear for 4 2214 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095,105-107, 113,114,118,119,122,999 F 010 AL0 101 0 001 124 001-006,011-015 0 001 125 003,010,011,025,057-060 F 002 G20 658
	4 2243 0	Bosch FIAT Renault	9 003 336 321 99442451 50 00 820 841 77 01 033 588  Gear for 4 2221 1	0 001 218 ...
	4 2244 0	Bosch	Gear for 4 2214 0	0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042-048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606
	4 2246 0	Bosch	Outer Gear	Gear 1 006 200 136 0 001 109 034,063 Toyota 28100-0B020
	4 2250 0	Bosch	9 003 337 009	Gear 6 033 AD0 233 6 033 AD3 087, 308-311 6 033 AD4 066,120 9 001 336 244 Gear Kit 6 033 AD3 306,330 9 001 338 048 9 003 337 009 0 001 230 001-010,012-016,018,020-024, 026-030 0 001 231 001-014,016-019,023,026-030, 033-036,038-041,045,046,119 146
	4 2251 1	Bosch	4 2200 0 w.Rubber (3)	0 001 107 ... / 108 ... 0 001 115 ... / 121 ... 0 001 137 ...

IKA-No.	Original	References	Unit-Nos.	
4 2252 0	Bosch	Gear for 4 2200 0	0 001 121 006-011,019-019,024-029 F 002 G20 318 F 004 A94 029	
	4 2253 1	Bosch	4 2203 0 w. Rubber (3)	0 001 107 ... / 108 ... 0 001 111 ... / 115 ...
	4 2254 1	Bosch	4 2204 0 w. Rubber (3)	0 001 109 ... / 110 ...
	4 2255 1	Bosch	4 2214 0 w. Rubber(3)	0 001 109 ... / 110 ... 0 001 124 ... / 125 ...
	4 2256 0	Bosch	Outer Gear	0 001 107 401-405,408-411,417,417, 421,422,427,428,430,446, 447,490,491,499-502 0 001 108 400-402,405,406,408,412, 430,431 0 399 708 303,301 F 004 A94 000,001,004,410,418
	4 2265 1	Bosch	Gear Wheel Kit 3 gear wheels 108 3 HK 0608 for Gear 4 2241 0	0 001 107 014,016,027-029,041 0 001 108 ...
	4 2266 1	Bosch	Gear Wheel Kit 3 gear wheels 110 3 HK 0609 for Gear 4 2242 0	0 001 110 ... 0 001 124 ... 0 001 125 ...

IKA-No.	Original	References	Unit-Nos.
4 2267 1	Bosch	Gear Wheel Kit 3 gear wheels 218 3 HK 0509 for Gear 4 2243 0 4 2244 0	0 001 109 ... 0 001 124 ... 0 001 125 ... 0 001 218 001-029



IKA-No.	Original	References	Unit-Nos.
4 2229 0	Ford-Visteon	E90Z-11A165-A F7RU-11165-CA	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA FOCF-11000-AA,BA
			
4 2247 0	Ford-Visteon Marelli	631 870 51 Inner Gear fits 4 2513 1, 4 2514 1  Outer Gear 4 2248 0	1S4U-11000-AA 1S7U-11000-BA,-BB,-BC 2S7T-11000-DA 3M5T-11000-DB,-DC 4M5T-11000-FA,-FB,-FT 6G9N-11000-FA 93BB-11000-HB,-JB 96BB-11000-AA 97BB-11000-BB,-BC 97CA-11000-AB 98AB-11000-AD F3RZ-11002-B XS7U-11000-AB,-BA YC1U-11000-AA,-AB,-AE,-AT
			
4 2248 0	Ford-Visteon	Outer Gear for 4 2247 0	
			

IKA-No.	Original	References	Unit-Nos.
4 2224 0	Marelli	542 94580 M70R fits Planetary Gear 855 412 40	631 110 01,05,08 631 130 01 632 235 35,37 632 237 30
			
4 2245 0	Marelli	fits Planetary Gear 855 408 21,-22 IKA P/N 4 2400 1	631 110 00 632 234 30-36,38,94 632 235 30-33 632 236 39 E70R
			

IKA-No.	Original	References	Unit-Nos.
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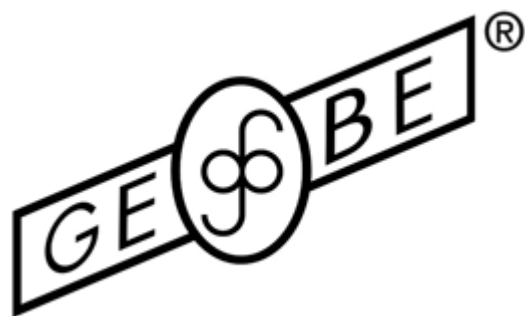
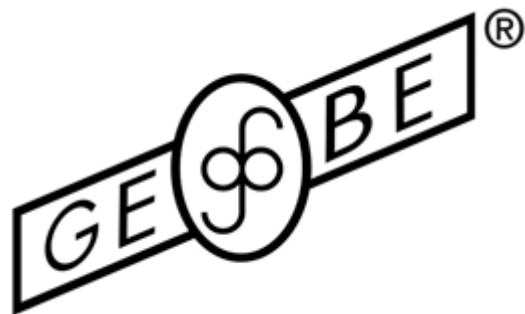
4 2228 0	Melco	M135C00171 M135X00871 MD618538	M1T7 0281,0285-0287,0381,04810,681, M1T7 0685-0687,0781,0881,0981,0985 M1T7 1081,1181,1281,1381,1385,1481, M1T7 1581,1681,1781,1841,1881 M1T7 2081,2086,2181,2182,2581,2981
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IKA-No.	Original	References	Unit-Nos.
4 2223 0	Remy	10475632	PG 260





IKA-No.	Original	References	Unit-Nos.
4 2218 0	Valeo Remy	21023994 21024210  Outer Gear 37 teeth fits 4 2501 1	D6RA84,85,87,185,187,188
			
4 2219 0	Valeo Remy	21023232 21023719  Outer Gear 59 teeth fits 4 2502 1	D6RA5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39,41, 48,49,53,56,59,61,62,73, 74,93,133,141,162,249, 511,571,572
			
4 2268 1	Valeo	594019 Gear Wheel Kit (3) complete with bushings  fits Planetary Gear 4 42502 1, 4 2503 1 fits Outer Gear 4 2219 0 59 teeth	D6RA
			



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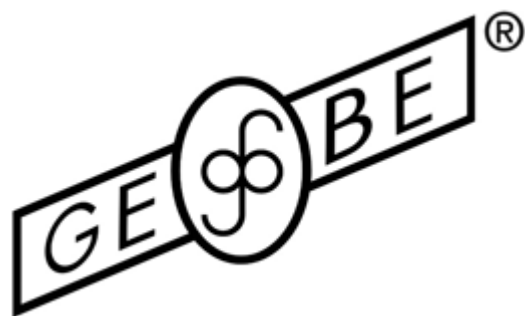
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SINTERBUCHSEN

BUSHINGS

BAGUES





Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 000 1 000 301 042 2 000 301 019	<b>bulk</b> <b>4 4000 0</b>	packed by 10 4 4000 1	12.56/16.6x15.8
BOSCH 1 000 301 093 2 000 310 002	<b>bulk</b> <b>4 4001 0</b> <b>O.E.split bushing</b>	packed by 10 n.a.	14.3/16x39.8
BOSCH 1 000 301 002 1 000 301 047	<b>bulk</b> <b>4 4002 0</b>	packed by 10 n.a.	12.56/16.6x14
BOSCH 1 000 301 001 1 000 301 034 1 000 301 046	<b>bulk</b> <b>4 4004 0</b>	packed by 10 4 4004 1	12.56/16.6x11.5
BOSCH 1 000 322 005	<b>bulk</b> <b>4 4005 0</b>	packed by 10 4 4005 1	10.06/16.6 -19x14.8
BOSCH 1 000 301 009 1 000 301 031 1 000 301 066 1 000 301 106 1 000 301 120 2 000 301 020 2 001 301 020	<b>bulk</b> <b>4 4009 0</b>	packed by 10 n.a.	12.1 /13.62x11.5
BOSCH 1 000 301 011	<b>bulk</b> <b>4 4011 0</b>	packed by 10 4 4011 1	12.06/16.12x16
BOSCH 1 000 301 012	<b>bulk</b> <b>4 4012 0</b>	packed by 10 n.a.	12.06/16.12x14
BOSCH 1 000 301 013	<b>bulk</b> <b>4 4013 0</b> <b>limited stock</b>	packed by 10 n.a.	26.12/30.13-33x11.5
BOSCH 1 000 301 021	<b>bulk</b> <b>4 4021 0</b>	packed by 10 n.a.	11.06/13.63x14
BOSCH 1 000 301 022	<b>bulk</b> <b>4 4022 0</b>	packed by 10 n.a.	17.61/21.62x 9.5
BOSCH 1 000 301 023	<b>bulk</b> <b>4 4023 0</b> <b>limited stock</b>	packed by 10 n.a.	14.36/16.04x10
BOSCH 1 000 301 032	<b>bulk</b> <b>4 4032 0</b>	packed by 10 n.a.	11.1 /12.62x11.5
BOSCH 1 000 301 054 L	<b>bulk</b> <b>4 4052 0</b> <b>gear inside</b> <b>0 001 218 ...</b>	packed by 10 4 4052 1	8.06/11.12x10
BOSCH 1 000 301 026 1 000 301 053 1 000 301 077 2 000 301 025 2 000 301 053	<b>bulk</b> <b>4 4053 0</b>	packed by 10 n.a.	12.1 /13.62x13.5
BOSCH 1 000 301 054 1 000 301 070 1 000 301 076 VALEO D7E CE	<b>bulk</b> <b>4 4054 0</b>	packed by 10 4 4054 1	8.06/11.12x8.00

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 055 1 000 301 074	<b>bulk</b> <b>4 4055 0</b>	packed by 10 4 4055 1	18.03/22.12x08
BOSCH 1 000 301 056 1 000 301 083 2 000 301 056 FORD E90Z-11135-A VALEO D7E (DE)	<b>bulk</b> <b>4 4056 0</b>   <b>Bosch</b> <b>INA</b>	packed by 10 4 4056 1  alternative: 1 000 917 003 HK 1010	10.06/14.1x10   8 4096 0
BOSCH 1 000 301 055 K	<b>bulk</b> <b>4 4057 0</b> <b>gear outside</b> <b>0 001 218 ...</b>	packed by 10 4 4057 1	18.03/22.12x 6.5
BOSCH 1 000 301 061	<b>bulk</b> <b>4 4061 0</b>	packed by 10 n.a.	10.06/16.6x10.5
BOSCH 1 000 301 062 9 001 320 323 F 000 AL1 011	<b>bulk</b> <b>4 4062 0</b>	packed by 10 n.a.	12.56/16.6x10
BOSCH 1 000 301 063	<b>bulk</b> <b>4 4063 0</b>	packed by 10 n.a.	12.05/15.05x15
BOSCH 1 000 301 082	<b>bulk</b> <b>4 4066 0</b>	packed by 10 n.a. O.E. split bush	12.10/13.62x18.8
BOSCH 1 000 301 080	<b>bulk</b> <b>4 4071 0</b>	packed by 10 n.a.	12.56/16.6x08
BOSCH 1 000 301 072	<b>bulk</b> <b>4 4072 0</b>	packed by 10 n.a.	11/13.5x09
BOSCH 9 001 140 347 FIAT / MARELLI 9 939 199	<b>bulk</b> <b>4 4077 0</b>	packed by 10 n.a.	10.06/16.6x11.5
BOSCH 1 900 301 420	<b>bulk</b> <b>4 4080 0</b>	packed by 10 4 4080 1	14/20x10
BOSCH 1 900 301 454	<b>bulk</b> <b>4 4081 0</b> <b>O.E. bushing</b>	packed by 10 n.a.	25/32x17.9
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4082 0</b> <b>split bushing</b>	packed by 10 4 4082 1 replacement	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4083 0</b> <b>sintered bushing</b>	packed by 10 n.a.	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4085 0</b> <b>O.E.split bushing</b>	packed by 10 n.a.	28.5 /32.3x11
BOSCH 9 003 330 317	<b>bulk</b> <b>4 4093 0</b>	packed by 10 n.a.	10/16.1x10
BOSCH 2 000 301 002 2 000 301 140	<b>bulk</b> <b>4 4102 0</b>	packed by 10 n.a.	19.09/25.1x10

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 2 000 301 000	<b>bulk</b> <b>4 4103 0</b>	packed by 10 4 4103 1	12.56/16.6x18
BOSCH 2 000 301 004 2 000 310 001	<b>bulk</b> <b>4 4104 0</b>	packed by 10 n.a.	16.67/19.6x19
BOSCH 2 000 301 006	<b>bulk</b> <b>4 4106 0</b>	packed by 10 n.a.	14.36/16.04x23.5
BOSCH 2 000 301 009 2 000 301 001	<b>bulk</b> <b>4 4109 0</b> <b>limited stock</b>	packed by 10 n.a.	14/17.6x15
BOSCH 2 000 301 013	<b>bulk</b> <b>4 4113 0</b>	packed by 10 n.a.	10.07/14.1x13
BOSCH 2 000 301 015	<b>bulk</b> <b>4 4115 0</b>	packed by 10 4 4115 1	40/48x10.5
BOSCH 2 000 301 016	<b>bulk</b> <b>4 4116 0</b>	packed by 10 4 4116 1	22.14/28.1x11.3
BOSCH 1 000 301 008 1 000 301 078 2 000 301 023 2 000 301 040	<b>bulk</b> <b>4 4123 0</b>	packed by 10 4 4123 1	12.1/14.12x13
BOSCH 2 000 301 024 2 000 301 028	<b>bulk</b> <b>4 4124 0</b>	packed by 10 n.a.	14.36/16.04x13.7
BOSCH 2 000 301 026	<b>bulk</b> <b>4 4126 0</b>	packed by 10 4 4126 1	19.09/23.1x10
BOSCH 1 000 301 019 2 000 301 031	<b>bulk</b> <b>4 4131 0</b>	packed by 10 n.a.	14.36/16.04x11.7
BOSCH 2 000 301 036 9 001 082 166 Opel Delco 347 1553	<b>bulk</b> <b>4 4136 0</b>	packed by 10 4 4136 1	12.1/14.12x14
BOSCH 2 000 301 037	<b>bulk</b> <b>4 4137 0</b>	packed by 10 n.a.	14.06/20.03x17
BOSCH 2 000 301 041 2 000 301 045 2 000 301 049	<b>bulk</b> <b>4 4141 0</b>	packed by 10 4 4141 1	19.09/23.1x13
BOSCH 2 000 301 043 2 000 301 047	<b>bulk</b> <b>4 4142 0</b>	packed by 10 4 4142 1	14.06/18.1x14
BOSCH 2 000 301 044	<b>bulk</b> <b>4 4144 0</b>	packed by 10 n.a.	14.36/16.04x20.5
BOSCH Gear Shaft for Planetary Gear Starters	<b>bulk</b> <b>4 4198 0</b> <b>9 001 336 244</b> <b>0 001 230 ... / 231 ...</b>	packed by 10 n.a.	20.85/25x11.8
BOSCH 2 000 322 020 2 000 301 110	<b>bulk</b> <b>4 4199 0</b> <b>white metal</b>	packed by 10 n.a. limited stock	34.5/44x42.5

Original	IKA-No.	IKA-No.	Dimensions
DENSO 028403-0082	<b>bulk</b> <b>4 4457 0</b>	packed by 10 4 4457 1	12.5/14.7x14
DENSO 949103-0390	<b>bulk</b> <b>4 4461 0</b>	packed by 10 n.a.	12.5/16.5x10.5
DENSO 949103-3160	<b>bulk</b> <b>4 4462 0</b>	packed by 10 n.a.	12.5/15.5x10.5
DENSO 949103-3840	<b>bulk</b> <b>4 4469 0</b>	packed by 10 n.a.	11.0/14.7x8
DENSO 949103-0540 949103-1320 949103-2020	<b>bulk</b> <b>4 4475 0</b>	packed by 10 n.a.	12.5/16.5x14



Original	IKA-No.	IKA-No.	Dimensions
FIAT / MARELLI 4 114 431 9 938 368 748 603 00 FEMSA 3305-103	<b>bulk</b> <b>4 4300 0</b>	packed by 10 n.a.	12/16x14
FIAT / MARELLI 4 114 442 748 603 80	<b>bulk</b> <b>4 4301 0</b>	packed by 10 4 4301 1	10/14x15
FIAT / MARELLI 672 541 748 682 10 FEMSA 3305-13 ISKRA 17 120 057 PAL MAGNETON	<b>bulk</b> <b>4 4302 0</b>	packed by 10 4 4302 1	10/14x13.5
FIAT / MARELLI 4 007 952 747 057 10 FEMSA 3305-10 3835-38 ISKRA 17 120 203 CE LADA 2101-370-8310 CE	<b>bulk</b> <b>4 4304 0</b>	packed by 10 n.a.	12/16x16
FIAT / MARELLI 4 047 985 748 661 40 FEMSA 3305-11 LADA 2101-370-8405 DE	<b>bulk</b> <b>4 4305 0</b>	packed by 10 n.a.	12/16x24.5
FIAT / MARELLI 9 927 787 723 625 10	<b>bulk</b> <b>4 4306 0</b>	packed by 10 4 4306 1	12.57/18.54x19.8
FIAT / MARELLI 9 927 783,-789 723 629 10	<b>bulk</b> <b>4 4307 0</b>	packed by 10 4 4307 1	14.1/20x11.8
FIAT / MARELLI 9 927 796 723 650 10	<b>bulk</b> <b>4 4308 0</b>	packed by 10 4 4308 1	20.27/24x13,9
FIAT / MARELLI 748 811 10 748 878 90	<b>bulk</b> <b>4 4311 0</b>	packed by 10 n.a.	12/16x12
FIAT / MARELLI E70R D.E.	<b>bulk</b> <b>4 4312 0</b>	packed by 10 n.a.	8/12x 9.6
FIAT / MARELLI E70R I.M.	<b>bulk</b> <b>4 4313 0</b>	packed by 10 n.a.	18.1/23x8.0
FIAT / MARELLI Starter Drive	<b>bulk</b> <b>4 4314 0</b>	packed by 10 n.a.	12.16/14.1x18
FIAT / MARELLI E95R C.E.	<b>bulk</b> <b>4 4315 0</b>	packed by 10 n.a.	15.07/18.1x11.8
FIAT / MARELLI E70R C.E.	<b>bulk</b> <b>4 4316 0</b>	packed by 10 n.a.	8/11.5-14.5x10
FIAT / MARELLI M70R	<b>bulk</b> <b>4 4318 0</b>	packed by 10 n.a.	18.17/23.05x 9.2

Original	IKA-No.	IKA-No.	Dimensions
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FIAT / MARELLI	<b>bulk</b>	packed by 10	
850 208	<b>4 4354 0</b>	4 4354 1	14/18x20
747 058 10			
DUCELLIER			
604 521			
PARIS RHONE			
47 852			

Original	IKA-No.	IKA-No.	Dimensions
FORD-VISTEON PMGR 97BB-11000-BB,BC	<b>bulk</b> <b>4 4272 0</b>	packed by 10 n.a.	8.1/12.45x10
FORD-VISTEON Gear	<b>bulk</b> <b>4 4273 0</b>	packed by 10 n.a.	7.0/11.9x10

Original	IKA-No.	IKA-No.	Dimensions
HITACHI 2114-44101	<b>bulk</b> <b>4 4443 0</b>	packed by 10 n.a.	18.1/22.04x6.8
HITACHI PMGR	<b>bulk</b> <b>4 4444 0</b>	packed by 10 n.a.	22.05/26.05x5.2
HITACHI 2114-5352 PAL 323 622 640 853 Skoda Favorit	<b>bulk</b> <b>4 4454 0</b>	packed by 10 n.a.	12.5/16.0x12
HITACHI 2114-4661 2114-5661	<b>bulk</b> <b>4 4455 0</b>	packed by 10 4 4455 1	12.5/16.0x15
HITACHI 2114-3601 FIAT 748 944 80	<b>bulk</b> <b>4 4459 0</b>	packed by 10 n.a.	11.0/15.0x15
HITACHI 2120-4401	<b>bulk</b> <b>4 4463 0</b> <b>limited stock</b>	packed by 10 n.a.	20.4/26.5x12.5
HITACHI 2106-1601 2106-2352 2114-1352 2114-1601 2114-3352	<b>bulk</b> <b>4 4466 0</b> <b>limited stock</b>	packed by 10 n.a.	11.5/15.0x13/14
HITACHI 2114-2601 2120-2601	<b>bulk</b> <b>4 4471 0</b>	packed by 10 n.a.	14.0/18.0x20
HITACHI 2130-1310 2130-2601	<b>bulk</b> <b>4 4472 0</b>	packed by 10 n.a.	14.0/18.0x17
HITACHI 2114-1353	<b>bulk</b> <b>4 4485 0</b>	packed by 10 n.a.	12.05/15.55x5.5

Original	IKA-No.	IKA-No.	Dimensions
LUCAS 54.252.054 TCB 114	<b>bulk</b> <b>4 4400 0</b> <b>limited stock</b>	packed by 10 n.a.	12/15x16.7
LUCAS 54.252.236 TCB 113	<b>bulk</b> <b>4 4401 0</b> <b>limited stock</b>	packed by 10 n.a.	14/17x19.6
LUCAS 253.316 TCB 124	<b>bulk</b> <b>4 4403 0</b> <b>limited stock</b>	packed by 10 n.a.	19/20.6x17.8
LUCAS 54.255.966 TCB 118 part of kit	<b>bulk</b> <b>4 4409 0</b>	packed by 10 4 4409 1	17.1/21x22.2
LUCAS 54.256.151	<b>bulk</b> <b>4 4410 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	28.6/31.8-38.1x13
LUCAS 54.257.833	<b>bulk</b> <b>4 4411 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	12.8/19.1x14
LUCAS 271.364 TCB 120	<b>bulk</b> <b>4 4412 0</b> <b>limited stock</b>	packed by 10 n.a.	12.7/15.9x16.5
LUCAS 54.256.098 54.256.132	<b>bulk</b> <b>4 4414 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	12.8/15.9x14
LUCAS Starter 27576	<b>bulk</b> <b>4 4415 0</b> <b>TCB 106 part of kit</b>	packed by 10 n.a.	14.4/17.5x22.2
LUCAS 256.112	<b>bulk</b> <b>4 4417 0</b> <b>limited stock</b>	packed by 10 n.a.	12.7/14.35x17.4
LUCAS 54.269.790	<b>bulk</b> <b>4 4418 0</b> <b>TCB 129/130 part</b> <b>of kit</b>	packed by 10 n.a.	12/15x8

Original	IKA-No.	IKA-No.	Dimensions
MELCO Planetary Gear	<b>bulk</b> <b>4 4452 0</b>	packed by 10 n.a.	8.1/11.5x11.6
MELCO Starter Drive	<b>bulk</b> <b>4 4453 0</b>	packed by 10 n.a.	12.0/14.0x16
MELCO M410D11271	<b>bulk</b> <b>4 4456 0</b>	packed by 10 n.a.	11.0/13.0x13
MELCO M409C12670	<b>bulk</b> <b>4 4458 0</b>	packed by 10 n.a.	11.0/14.0x13
MELCO M409C12970 M409D30201 M649D 30201	<b>bulk</b> <b>4 4464 0</b>	packed by 10 4 4464 1	10.0/14.0x13.5
MELCO M409C32370	<b>bulk</b> <b>4 4465 0</b>	packed by 10 4 4465 1	12.0/16.0x9.5
MELCO M409C12870	<b>bulk</b> <b>4 4470 0</b>	packed by 10 4 4470 1	10.0/14.0x9.5
MELCO M409X32571	<b>bulk</b> <b>4 4484 0</b>	packed by 10 4 4484 1	10.0/13.0-16.0x10.5

Original	IKA-No.	IKA-No.	Dimensions
PAL MAGNETON 323 125 527 127 AVIA CE 360 904 551	<b>bulk</b> <b>4 4240 0</b>	packed by 10 n.a.	14.54 /18.03x14.8
PAL MAGNETON 323 125 436 125 AVIA IM 397 907 552	<b>bulk</b> <b>4 4241 0</b>	packed by 10 n.a.	19.06 /22.53x13.9
PAL MAGNETON 323 125 527 131 AVIA DE 360 904 550	<b>bulk</b> <b>4 4243 0</b>	packed by 10 n.a.	14.54 /18.03x16.8
PAL MAGNETON 751 904 552 VIKO T815 931550	<b>bulk</b> <b>4 4244 0</b> <b>limited stock</b>	packed by 10 n.a.	23.04 /27.03x19.8
PAL MAGNETON 390 905 550 LIAZ TATON	<b>bulk</b> <b>4 4245 0</b>	packed by 10 n.a.	21.03 /24.67x25.9
PAL MAGNETON 323 125 723 125 SKODA 103 903 552	<b>bulk</b> <b>4 4247 0</b>	packed by 10 n.a.	12.56 /16.6x14
PAL MAGNETON 323 622 642 933 SKODA FAVORIT 114 904 550	<b>bulk</b> <b>4 4248 0</b>	packed by 10 n.a.	10/14x15

# SINTERBUCHSEN SELF LUBRICATING BUSHINGS

# REMY

Original	IKA-No.	IKA-No.	Dimensions
REMY US 194 5509	<b>bulk</b> <b>4 4201 0</b>	packed by 10 n.a.	16/19.2x22
REMY US 198 8096	<b>bulk</b> <b>4 4202 0</b>	packed by 10 n.a.	21.3 /24.4x25
REMY US 196 2606	<b>bulk</b> <b>4 4205 0</b> <b>limited stock</b>	packed by 10 n.a.	19.2 /31.8x10.2
REMY US 198 4268 drive	<b>bulk</b> <b>4 4206 0</b>	packed by 10 n.a.	12/13.2x18.2
REMY US 1943628	<b>bulk</b> <b>4 4207 0</b> <b>limited stock</b>	packed by 10 n.a.	14.31/19.11x19.2



Original	IKA-No.	IKA-No.	Dimensions
VALEO 600 609	<b>bulk</b> <b>4 4253 0</b>	packed by 10 n.a.	13/15x14,5
VALEO 82 775	<b>bulk</b> <b>4 4256 0</b>	packed by 10 n.a.	12.05/15.05x20
VALEO 098 888	<b>bulk</b> <b>4 4257 0</b>	packed by 10 n.a.	10/13x12
VALEO 030828 DUCELLIER 094 909 604 541	<b>bulk</b> <b>4 4259 0</b>	packed by 10 4 4259 1	15.95/19.15x14
VALEO 028 936 068 888	<b>bulk</b> <b>4 4260 0</b>	packed by 10 n.a.	16.2/19.15x15
VALEO 600 628 602 039	<b>bulk</b> <b>4 4263 0</b>	packed by 10 n.a.	13/15x13.5
VALEO 68 412 601 476 ISKRA 15 120 087 LUCAS 54.269.480 PARIS RHONE 097 726 ROMANIAN DM 214 Dacia CE	<b>bulk</b> <b>4 4264 0</b>	packed by 10 4 4264 1	12.05/15.05x12
VALEO 051914 DUCELLIER 068 902, 068 903 084 909 LADA Samara DE ROMANIAN DM 214 Dacia DE	<b>bulk</b> <b>4 4265 0</b>	packed by 10 4 4265 1	12.05/15.05x15
VALEO 078039	<b>bulk</b> <b>4 4350 0</b>	packed by 10 n.a.	12/15.05-18x16
VALEO 068 763 PARIS RHONE 096 485 FEMSA 3305-89 ROMANIAN 2130510	<b>bulk</b> <b>4 4351 0</b>	packed by 10 4 4351 1	14/18x16
VALEO 050488	<b>bulk</b> <b>4 4352 0</b>	packed by 10 4 4352 1	20/24x12
VALEO 049 785, 052 123 DUCELLIER 068 449	<b>bulk</b> <b>4 4353 0</b>	packed by 10 4 4353 1	14/18x18
VALEO 074 952	<b>bulk</b> <b>4 4355 0</b>	packed by 10 n.a.	16/20x10
VALEO 055 330 074 332	<b>bulk</b> <b>4 4361 0</b>	packed by 10 n.a.	17/21x24

Original	IKA-No.	IKA-No.	Dimensions
VALEO 095 654	<b>bulk</b> <b>4 4363 0</b>	packed by 10 n.a.	20/24x16
VALEO 074 330	<b>bulk</b> <b>4 4364 0</b>	packed by 10 n.a.	27/35x14
VALEO 104 164	<b>bulk</b> <b>4 4368 0</b>	packed by 10 n.a.	16/20x8
VALEO 071 381	<b>bulk</b> <b>4 4369 0</b>	packed by 10 n.a.	16/20x25
VALEO 105 464	<b>bulk</b> <b>4 4371 0</b>	packed by 10 4 4371 1	10/13x13
VALEO 105 715	<b>bulk</b> <b>4 4372 0</b>	packed by 10 4 4372 1	10/13x16
VALEO Starter Drive MITSUBISHI Starter Drive	<b>bulk</b> <b>4 4380 0</b>	packed by 10 n.a.	12/14x20
VALEO D6RA DE	<b>bulk</b> <b>4 4501 0</b>	packed by 10 n.a.	12/15x10
VALEO D6RA IM	<b>bulk</b> <b>4 4502 0</b>	packed by 10 n.a.	18/22x5
VALEO D6RA CE	<b>bulk</b> <b>4 4503 0</b>	packed by 10 4 4503 1	6/10.0-13.7x 8
VALEO D6RA DS	<b>bulk</b> <b>4 4504 0</b>	packed by 10 n.a.	6 /9 x 7 mm Planetary Gear inside
VALEO D7R IM	<b>bulk</b> <b>4 4505 0</b>	packed by 10 n.a.	20/24x5
VALEO D7R DS	<b>bulk</b> <b>4 4506 0</b>	packed by 10 4 4506 1	7/10x6.1
VALEO D6RA Gear Wheel	<b>bulk</b> <b>4 4507 0</b>	packed by 10 n.a.	4/7x7
<b>NEW</b> VALEO D6G DS	<b>bulk</b> <b>4 4508 0</b>	packed by 10 n.a.	5 / 9 x 7 mm Planetary Gear inside

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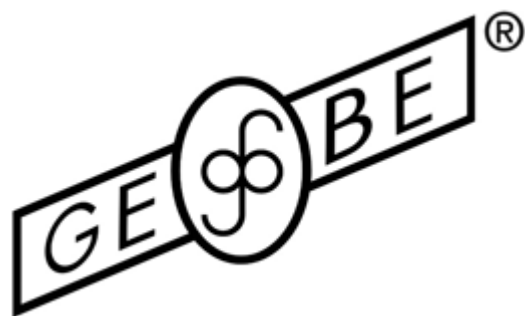
# 7

NADELLAGER

NEEDLE BEARINGS

ROULEMENTS A AIGUILLES





# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 2256 0</b>	INA	HK 0608	06.00 / 10.00 x 08.00	0 001 106 011, 012, 014-017, 019, 022, 023, 024 0 001 107 003-008, 011, 014-023 025-028, 030, 031, 037, 038, 039, 041, 043-045, 047-049, 052-055, 059, 062, 063, 066, 068-071, 073-075, 077, 080, 082, 087, 088, 091, 093-097, 100, 101, 103, 104, 108, 0 001 108 001-004, 009, 010, 019 023, 024, 026, 027, 030, 031-035, 037, 038, 043, 046-048, 051-053, 056, 062, 066, 068-070, 072, 073-081, 083-098, 100, 112-115, 117-119, 122, 123-126, 128-130, 133, 134-140, 143, 145, 148, 149-151, 153, 154, 157, 159-162, 166-167, 169, 170, 171, 173-178, 180, 182-184, 186, 190, 197, 204, 217, 218, 220, 221 0 001 109 014, 018, 021, 022, 025, 026, 030, 033, 034, 036, 040, 041, 045, 048, 200, 201, 250, 252, 253, 258, 259, 268-270, 300, 301 0 001 110 072, 110, 112, 132 0 001 115 002, 005, 008, 012, 015, 020, 024, 068, 069 0 001 121 001, 002 0 001 123 002, 003 0 001 124 020, 021 0 001 139 015, 016 0 001 218 162, 165, 172 0 001 223 002, 005, 007, 024 428000-0720, -1620
<b>8 2258 0</b>	INA	HK 0609	06.00 / 10.00 x 09.00	0 001 110 001, 002, 007-016, 019, 022, 023, 029-032, 041, 043, 045, 046, 048, 049, 051, 053, 063-067, 069-071, 075, 086-091, 098-101, 104-108, 118, 119, 120, 133, 134 0 001 117 008 0 001 124 003-006, 013, 014, 025, 0 001 218 166, 173 S114-516, -A, -520A, -B, S114-526A, -535, -806, -A, S114-844, -869, -871, -925, 91AB-11000-EB, -FB, -PA, 92AB-11000-HA, -HB, 95VW-11000-DA, -EB, -EC
<b>8 2260 0</b>	INA	HK 0509	05.00 / 09.00 x 09.00	0 001 107 072 0 001 109 001, 003, -005, 017, 025, 026, 042, 055, 056, 079,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				082, 089, 092, 095, 102, 115, 124-127, 138 0 001 121 006-011, 016, 017, 022, 023, 026-029 0 001 123 012-019 0 001 124 011, 012, 018, 019, 022,023 0 001 125 001, 002, 007-013, 016-019, 021, 022, 031, 032, 035, 036, 039, 040, 046-050, 051-054, 501, 502-504, 507, 508, 511, 512-514, 517, 518, 600 0 001 218 003-006, 008, 009, 012, 013, 017-024, 026, 027, 101, 103-105, 108-115, 120, 122, 127, 128, 130, 131, 133, 134, 141, 145, 146, 147, 152, 153, 155, 159, 160, 163, 167, 168, 171, 174 D6G1, D6GS11,-12,-13 D7G9,-26 D7R5,-8,-13,-16,-20,-25,-49 D7RS30,-130,-301 D8R1,-27,-29 D9R149 TS22E26
<b>8 2269 0</b>	Valeo INA	186663 HK 0408	04.00 / 08.00 x 08.00	D6RA67,- 81,- 91,- 100, -114 D6RA167,-181 D6RADP183,-359
<b>8 4079 0</b>	Bosch INA	9 001 140 384 HK 1210	12.00 / 16.00 x 10.00	0 001 107 037, 048, 056, 100, 101, 108 0 001 108 115, 145, 147, 157, 168, 169 0 001 109 014, 015, 023, 025, 030, 031, 033-036, 040-042, 045, 046, 048, 052, 055, 061-063, 068, 069, 070, 200, 201, 250, 252, 253, 256, 262-274, 300-303, 306, 307 0 001 110 039, 040, 043, 044, 051, 053, 054, 064, 065, 067, 088, 104, 105, 110, 112, 113, 130, 131, 0 001 111 002 0 001 112 025 0 001 115 047, 048, 074, 075 0 001 139 001, 002, 015, 016, 025 0 001 218 002, 003, 006-011, 014-017, 019-024, 026-029, 100-110, 113-115, 118-129, 131, 133, 134-138, 140-147, 150-156, 158-168, 170-178, 602, 620, 703, 710, 719, 722, 725, 728, 735-738, 740-742, 754, 758, 759, 763-768, 770-772, 774,
<b>8 4090 0</b>	Bosch  INA	1 000 917 009 1 000 917 010 1 000 917 012 F-235208/.02/.04	28.00 / 35.20 x 14.62	0 001 120 400-411 0 001 121 032,033,402,403, 408-413,422,423,427-430 443,444

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		F-600387		0 001 122 201,202,400-403 0 001 123 001-003,012-021,024-029, 036-039,044,045, 0 001 124 026,027 0 001 125 055-058,519-522,609,610, 617,618 0 001 142 001-006 0 001 145 001,002 0 001 153 007-010,013,014 F 002 G20 325
<b>8 4091 0</b>	Bosch INA	9 003 330 901 NK 10/17 TN	10.00 / 17.00 x 12.00	9 000 331 201
<b>8 4092 0</b>	Bosch INA	2 000 910 013 F-220469	15.87 / 23.80 x 21.90 (closed)	0 001 370 003,004 0 001 371 004-010,012-020
<b>8 4094 0</b>	Bosch  INA	1 000 917 007 6 033 AC0 352 6 033 AD6 141 Kit F-229411,-KLM HK 3016 B	30.50 / 37.00 x 16.00	0 001 121 022,023 0 001 124 020,021 0 001 125 016-019,046-049,053,054, 600,601,605-608 0 001 314 047, 048 0 001 330 004,007,008,011-014, 016-018,020,047,050, 057,060,501,502 0 001 33E 101, 0 001 33F 102 0 001 340 501-505 0 001 34B B01,H01 0 001 34F 801,802 0 399 B50 306,307 F 002 G20 286,310,314,475,553,570, 589,594,656,669,670,689 947,948 F 002 G70 057,058
<b>8 4095 0</b>	Bosch INA	1 000 917 005 HK 1214 2RS FPM	12.00 / 16.00 x 14.00	0 001 107 070,071 0 001 108 113,114,174,175, 200,201,220,221 0 001 109 011,021,022,026,043,044, 056,059,060,064-067, 204,205,258-261,275,276, 304,305,340,341,389,390 0 001 110 029,030,056,066,067, 100,101,106,107,122,123, 126-129,136-139 0 001 115 022,023,088,089,092,093 0 001 139 023,024,031,032,047,048 9 000 694 048 F 004 A94 002,009
<b>8 4096 0</b>	Bosch INA Marelli Valeo	1 000 917 003 HK 1010 708 040 060 185 951	10.00 / 14.00 x 10.00  alternative product for bushing 4 4056 0	0 001 106 023,024 0 001 107 030,059,064,075,078-080, 082,088,102,433,434,440, 441,448,449,452,453, 459-462,476-479,514, 529-531, 0 001 108 068,069,103,104,123,134, 150,153,160,167,170,172, 0 001 108 181,197,199,202,204,205, 213,214,217,218,222-224, 234,235,239,240,403,404,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				409,410,415,416,420,421, 428,429,441,442,445,446, 450,451,456,457,996-999 0 001 112 035 0 001 115 005,006,008,020,021,025, 039-041,045,046,049-054, 056,057,068-073,076-079, 082-085,096-101,103-109 0 001 116 004 0 001 148 003,004 0 001 170 400-403,406,407 0 001 172 400,401 0 001 223 006,012,018,019 9 000 694 035,044 9 001 107 088,434 9 007 046 007,009 F 000 AL0 100-102,106,109,110,127, 316,901 F 000 AL1 436,617,644,924,951,952, F 004 A94 007,434,441,449 F 004 A95 002 F 026 T02 002
<b>8 4097 0</b>	Bosch INA	1 000 917 004 HK 1014 RS	10.00 / 14.00 x 14.00 closed	0 001 106 406,404 0 001 107 010,011,019,027-029, 038,039,041,043,063, 085,087 407,410,417,418,421, 422,456,499,500-502 0 001 108 125,128,130,132,133 138-141,155,156,176-178, 183,188,206,207,210, 228,229,237,238 400,405,406,408,411,412, 0 001 112 017,018,029,033,037,041, 0 001 113 009,010,015,017, 0 001 115 009,016,017,031,032,035, 0 001 116 003 9 000 695 004,005,007,008, F 000 AL0 103,104 F 002 G20 049,101,348,449,500,546, 568,639,697,715 F 004 A94 004
<b>8 4098 0</b>	Marelli/Fiat INA	HK 1214 RS	12.00 / 18.00 x 14.00	0 001 110 126-129, 136-139 50246416 63221801,831 63222000,001 63222030,031,034,036,038,039 63222130,133,134,135,136,138 63222204
<b>8 4099 0</b>	Bosch INA	9 003 330 903 HK 1216 2RS	12.00 / 18.00 x 16.00	0 001 218 157, 757 0 001 223 001, 009, 010, 014, 021 0 001 230 002, 003, 014, 025 0 001 231 028, 045 0 001 260 001
<b>8 4207 0</b>	Remy INA	7451787 9437171 FC-66217	17.00 / 23.80 x 31.80 closed	20SI,27SI Type 200 1100 056,057,061,062,066, 067,071-073,075-078,



# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				080-083,086,087 1901 0100, 0108, 0111, 0114, 0115, 0118, 0120, 0124, 0126, 0127, 0129, 0134, 0138, 0141, 0145, 0147, 0153-0163, 0168, 0171, 0173, 0174, 0176, 0178, 0181, 0182, 0185, 0193, 1901 1108 1902 0307, 0310, 0346, 0366, 0376, 0382, 0383, 0391
<b>8 4208 0</b>	Ford-Visteon	SCE 98	14.29 / 19.05 x 12.70	1S7U-11000-BA,-BB,-BC YC1U-11000-AB,-AD,-AE,-AF,-AG 1120215, 1140110, 1151641 1197912, 1209193, 1214371 1233277, 1386127, 1387062 1449615, 1450653, 1541002
<b>8 4209 0</b>	Bosch INA	1 000 917 008 F-231294	05.00 / 08.52 x 06.86	0 001 107 404,405,410,418,429, 435,437,440,441,501,502 0 001 108 400,405,406 0 001 120 402,403,406-411 0 001 121 402,403,408-411 2S6U-11000-DA, -DB, -DC
<b>8 4210 0</b>	Melco	DB501005C	10.00 / 15.00 x 15.40 closed	M2T80582 M2T84071, -ZT, M2T84171, -ZT M2T84571, M2T85271 M2T87071, -ZT, M2T87271, -ZT M2T87471, -671, -971 M2T88071, M2T88271, M2T88471 M2T88473, M2T88671 MD312857, MD312858, MD314167 MD315547, MD315548, MD344182 MD344183, MD348221
<b>8 8118 0</b>	INA	HK 1812	18.00 / 24.00 x 12.00	9 000 331 201, -203 D9R112, -116, -118, -119, -121 D9R122, -142, -144, -149 D9R73, -84, -89, -90, -91, -97, -99 D9RP160, -256
<b>8 8161 0</b>	Melco INA	TLA141912ZE01 HK 1419	14.00 / 19.00 x 12.00	M2T61071, -072 M2T61171, M2T62271, M2T63171 M2T66871, -873 M2T67871, -872, -873 M2T67881, -882, -883, -884 M2T74371, M2T92071, -A MD156987, MD156989, MD164977 MD164978, MD191437 ME017035, ME017036, ME017056 ME017061, ME017085, ME017089
<b>8 8200 0</b>	Lucas Remy Ford INA	54160827 54207267,-268 UMB 113 943 6831,-7305,-8527 9441879 D20Z-10A304-A BCH-06604 closed	17.00 / 23.80 x 17.40 closed	A127 24145A,-D,24156A,-D,24157A,-D 24158A,-D,24161A,-D 10SI,12SI,15SI,17SI,27SI 1047 9823,9825-9827,9832-9834, 9858,9860,9862,9864-9869, 9915,9916

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				1100 059,063-065,068,074,092, 109-113,115,119-122,124, 125,127,129,130,133,138-143, 145,146,148-156,158,159, 162-169,173-176,178-182
<b>8 8275 0</b>	Bosch INA	2 000 910 004 SCE 1210 B	19.05 / 25.40 x 15.88	0 001 510 001-003,005,008-010, 017-041 0 001 512 001,002
<b>8 8277 0</b>	Lucas Remy INA	54207451 UMB 115,129 9437 221,-222 BCH-06604 open SCH FC-65177	17.00 / 23.80 x 17.40 open	A127 w. vacuum pump 24188,-A,-C, 24230,-A,-B, 24246A, 24256A,-C, 24264,-A, 24273A, 24274A, 24277A, 24293, 24294A, 24316, 24374 10DN series 1100 619,653,654,721,722,732, 735,773,806,821,822,887 864F-10300-FD,-FE 864F-10K359-FC,-FD, FE 864FX-10K359-FE, 884F-10K359-AB 894F-10300-BA, 894FX-10300-BA 894X-10300-AE, BA 914F-10300-AA, 914F-10K359-AA 924F-10300-AA,-AB 924F-10K359-AB, 924FX-10K359-AA 924X-10300-AB, 954F-10300-AA 954F-10K300-AA,-AB 954F-10K359-AB
<b>8 8305 0</b>	Melco TLA121712	S933P65270	12.00 / 17.00 x 12.00	M2T92071,-A,92171,92172,-A 92271,-A,95071
<b>8 8314 0</b>	Melco	S933P70605,-70669 TLAM101515UE09	10.00 / 15.00 x 15.00 closed	M0T83481, 90781 M1T73681, 74781,-A, 74785, 90081,-A M2T24081, 24082, 24181, 24281 25081, 25082, 25083 M2T25281, 25282, 25381, 25481, 25282, 25381, 25481, 25581, 25681, 25981, M2T42981, 46681, 46682, 47381, 47382, 48281, 49282, 49283, 49481, 49581, 49981, M2T80582, 85671 M3T24482H,-J,-K M3T24486A,-H,-N, M3T43081, 44181, 44281, 48181, 48281, 48381, 48382, 48681, 49281, 49282, 49381, 49481 233000-C010, -H610, -P510 23300-18V10, 23300-30P16, 30P17 23300-41B15, 23300-48L10 23300-53J10, 53J15 23300-60U11, 60U12 23300-73C10, 73Y10 23300-H5015, 23300-M8212
<b>8 8663 0</b>	Bosch INA	2 000 910 015 F-220469.1	16.00 / 23.85 x 18.95	0 001 372 001-008

# NADELLAGER NEEDLE BEARINGS

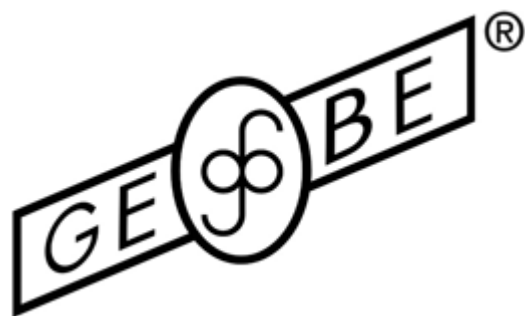
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 8664 0</b>	Bosch INA	2 000 910 011 SCE 1012	15.88 / 20.64 x 19.05	0 001 370 001,002 0 001 371 001 9 000 453 029, 064-068
<b>8 8665 0</b>	Bosch Ford Hitachi INA	2 000 910 012 BE9H-11052-B TN49-11339-A 2114-1411 F-230978 HK 2216 2RS	22.00 / 28.00 x 16.00	0 001 370 001-004 0 001 371 001,004-010,012-020 0 001 372 001-008 9 000 453 029,064-068
<b>8 8668 0</b>	Valeo INA	185 467 HK 1012 RS	10.00 / 14.00 x 12.00	D7G11 D7R1, -2, -3, -4, -8, -13, -16, -17 D7R17, -18, -20, -25, -40, -45, -61 TS12E10 M1T93071, -ZC, M1T93171ZC M1T93371, 93571 M9T60471, 60672 M9T61171, 61571 MD329260
<b>8 8671 0</b>	Hitachi INA PAL-Magnetron	2130-1451 HK 2212 324592000, 324592003	22.00 / 28.00 x 12.00 closed	9142 687, 700, 702, 704, 708, 709, 720, 722, 723, 724, 727, 728, 729, 740, 741-744, 764, 765, 780, 782, 783, 801, 802, 803, 840, 860 9172 702, 780
<b>8 8672 0</b>	INA	HK 1412	14.00 / 20.00 x 12.00	M2T56272 M2T60171, 60172, 60185 M2T61071, 61171, 62771 M2T63171, 66871, 66873 M2T67871, 67872, 67873 M2T92071, -A, 92171 M2T92172, -A MD072654, 95865, 121581 MD156987, 164977, 164978 MD177596, 191437 ME017035, 17056, 17061
<b>8 8673 0</b>	INA	HK 0810	08.00 / 12.00 x 10.00	0 001 230 006, 012, 014 0 001 231 002, 003, 004, 008, 009, 011, 013, 014, 017, 029, 030, 032, 0 001 241 001, 015, 020 0 001 261 001, 002 21020892, 21020893 21021366, 21021648 M9T60471, 60671, 60672 M9T60471, 61571, 61971 TS18ER20
<b>8 8674 0</b>	INA	HK 0808	08.00 / 12.00 x 08.00	D7G11, -20, -26, -3, -4, D7GS10, -8, -9 TS18E3, -13 TS22E26, -8, -9 9000751, 9000756, 9000758 9000772, 9000785, 9000791 9000794

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 8675 0</b>	Bosch INA	1 000 917 006 HK 0910	09.00 / 13.00 x 10.00	0 001 107 031,032,049, 415,429,431,432,437 F 000 CD0 202 F 002 GD20 485
<b>8 8677 0</b>	Valeo INA	F-123861	26.10 / 33.00 x 13.70	D7E S5
<b>NEW 8 8678 0</b>	Valeo INA	191335 F-123459.2 replacement product	29.50 / 36.50 x 13.30	D6GS11, -12, -13, -14, -19 D7GS 8, -9, -10, D7RS 29, -129, -130, -131, -150
<b>8 8681 0</b>	Ford Melco	SCE 116 BA 116 Z	17.46 / 22.23 x 09.5 closed	M0T86081, 86181, 87881, 80381 M1T93071,-ZC, 93371, 93571 M2T80582, 84771, 85271, 88071, 88271 MD344183, 348221
<b>8 8683 0</b>	Remy INA	9441512 10483523 SCE 146B	22.2 / 28.60 x 09.4	PG260F1 2102 0892,0893,1366,1648, 9000 0700,0751,0756,0758, 0772,0785,0791,0794
<b>8 8684 0</b>	Remy INA	3472455 7982870 F-56769	11.50 / 17.50 x 16.50 closed	3472 002,014,018,020-024, 026,028,032,033,037, 038,042,048-053,057, 058-070,072-075,082, 091,093,104-106,119, 120,121,128,130,134, 135,137,139,142-144, 170,171,188,202,204, 206,208,210,220,275, 641,706 3493 204,220,230,234,239, 242-244,604,606,619, 621,634,635,639,641, 644,704,706,714,715, 716,717,719,721,734, 739,741,791 5153010, 7982574, 7982575
<b>8 8693 0</b>	Bosch INA	2 000 910 005 F-203215 RH L091 F-91916	33.00 / 48.00 x 15.00	0 001 410 015-017,019,021,022,024, 029,032,034,035,037,041, 043,044,046,049,050,052, 058,061-063,065,067-069, 073,075,077,078,083, 086-092,094,098,101,102, 104-106,109,111,113, 115-118 0 001 411 001,002,004-007,009-032, 035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-086 0 001 417 001-020,023-031,033-038, 040-048,050-069,071-080 0 001 418 001-017 9 000 084 007-026,085

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 8829 0</b>	Hitachi Nissan INA	2250-1451 23341-V0600 HK 1512	15.00 / 21.00 x 12.00	S13-33,33A,33B,37,37B, 38B,41,41A,45A,45B, 68,86 S25-110F,110G,110L, 125A,125B,132C
<b>8 8981 0</b>	Bosch Ford IVECO INA	6 033 AC 0093 F7RU-11448-EA 42535274 HK 1212	12.00 / 18.00 x 12.00	0 001 223 003,007,024 IVECO
<b>8 8982 0</b>	Melco INA	HK 1414 2RS	14.00 / 20.00 x 14.00 closed	M1T93171 ZC
<b>8 8983 0</b>	Bosch INA	2 000 910 002 2 000 910 009 HK 1816	18.00 / 24.00 x 16.00	0 001 410 015-017,019,021,022, 024,029,032,034,035, 037,041,043,044,046, 049,050,052,058,061-063, 065,067-069,073,075,077, 078,081,083,086-092,094, 098,101,102,104-106,109, 111,113,115-118 0 001 411 001,002,004-007,009-032, 035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-083 0 001 417 001-020,022-031,033-038, 040-048,050,051,053-069, 071-080 0 001 418 001-017 9 000 084 007-026
<b>8 8986 0</b>	Hitachi Nissan INA	2130-3451 23338-V0700,-V0702 HK 2012	20.00 / 26.00 x 12.00	S13-49A
<b>8 8987 0</b>	INA	HK 2220	22.00 / 28.00 x 20.00	0 001 420 001 0 001 420 012
<b>8 8989 0</b>	Bosch INA	HK 2512	25/32 x 12 mm	0 001 241 003,007,009,014,016, 019-021,023 HEF95-L 24V(R)



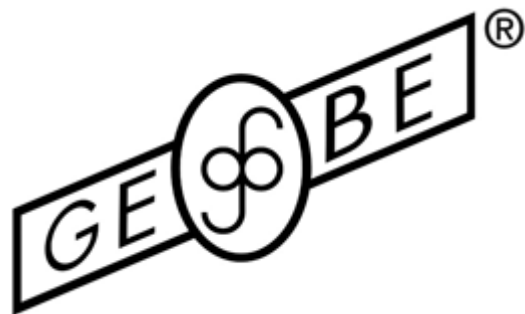
# 8

REPARATURSÄTZE UND BUCHSENSÄTZE







REPAIRKITS AND BUSHING-KITS

KITS DE REPARATION ET JEUX DES BAGUES







IKA-No.	Original	Qty.	References	Unit-Nos.		
 <p><b>0 3811 1</b></p>	Bosch	1	2 000 105 040	0 001 410 ... 411 414 ... - 417 KB-Starter 24 Volt		
	1 987 010 000	2	2 000 109 008			
		1	2 000 210 014			
		1	2 000 212 000			
		1	2 000 301 015			
		1	2 000 301 016			
	Kit	2	2 000 500 084			
	w. needle bearing	1	2 000 910 005			
	w/o. brushes	1	2 003 315 002			
		4	2 003 450 015			
		1	2 004 650 030			
	<hr/>					
	 <p><b>0 3879 1</b></p>	Kit	1 Kit		0 3814 1	0 001 416 ...
w. relais+clutch		1 Relais	0 331 101 006	0 001 417 ...		
		1 Relais	0 331 450 001			
		1 Clutch	2 006 401 527			
<hr/>						
 <p><b>4 1890 1</b></p>	Bosch		1 006 200 050	0 001 218 001-029		
	Repair Kit for Gear		9 001 140 362,391	0 001 219 002,003		
			9 001 337 069	9 000 331 401-413,417,418,421		
			9 003 336 268,285			
			pin-diameter 8.00 mm with 2 bushings			
<hr/>						
 <p><b>4 2238 1</b></p>	Bosch		1 007 010 079	0 001 120 400-411		
			1 000 500 591	0 001 121 001,002,006-011,017-019, 022-035		
			Repair Kit Seal + Oil Seal	402,403,408-413,418-421, 429,430,433-436		
				0 001 122 201,202,400-403		
				0 001 123 001-003,012-021,024-029, 036-039,044,045		
				0 001 124 001-008,011-015,018-027		
				0 001 125 001-013,016-019,021,022, 025,031,032,035,036,039, 040,042,043,046-049, 051-060		
				501-508,511-514,517-522, 600-602,605,607-610,617,618		
	<hr/>					
	 <p><b>4 2260 1</b></p>	Bosch		Outer Gear Kit 107-01	Gear 1 006 200 058,103,112,114, 155,923	
					0 001 107 017,018,044,045,054,055, 067-069,073,074,076	
					0 001 108 162,172,178,180,182,186, 188,204	
					0 001 137 001-006,011,012	
		<hr/>				
		 <p><b>4 2261 1</b></p>	Bosch		Outer Gear Kit 109/125	Gear 1 006 200 096,099,1117,126,166
				0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042,048, 200,252,253		
				0 001 110 112		
				0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606		

IKA-No.	Original	Qty.	References	Unit-Nos.
4 2263 1	Bosch		Outer Gear Kit 108	Gear 1 006 200 014,017,048,049,057,059,061, 070,071,098,104,111,132-134, 900,903
				0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
4 2273 1	Bosch		Gear Kit 108	Gear 1 006 200 014,017,048,049,059,061, 071,098,104,111,134, 900,903
				0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
4 4601 1	Bosch	1	2 000 301 036 DE	0 001 106 018,020
		1	1 000 301 056 CE	0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107
		1	1 000 301 054 PG	0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203 0 001 109 001-003,006-008,017,018,028,029,047,049 0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999 0 001 111 003,005 0 001 115 001,002,007,012,015,027
4 4602 1	Bosch	1	1 000 301 012 DE	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096
		1	1 000 301 056 CE	0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225
		1	1 000 301 054 PG	0 001 109 009,012,057,058,202,203 0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042
4 4603 1	Bosch	1	1 000 301 021 DE	0 001 107 007,008,020,052,053,
		1	1 000 301 056 CE	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
		1	1 000 301 054 PG	0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
4 4604 1	Bosch	1	9 001 140 384 DE	0 001 107 056,100,101,108
		1	1 000 301 056 CE	0 001 108 115,145,157,168,169,190
		1	1 000 301 054 PG	0 001 109 014,015,023,025,030,031,033-036,040,041,042,045,046, 048,052,055,061-063,068-070,200,201,250,252,253,256, 262-274,284,285,300-303,306,307,313,321,322,332-337, 342-345,355-360,365,366,369-371,375-378,393-396,399, 400-406,409,410 0 001 110 043,044,051,053,054,064,065,088,104,105,110,112,113, 130-132 0 001 111 002 0 001 115 047,048,074,075,080,081 0 001 139 001,002,005,006,011-022,025,026,029,030,037,038, 041-046,049,050,053,054 0 001 149 400,401

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4606 1	Bosch	1	1 000 917 003 DE	0 001 107 030,059,064,075,078-080,082,088,102
		1	1 000 301 056 CE	0 001 108 068,069,103,104,123,134,148,150,153,160,167,170,172
		1	1 000 301 054 PG	181,197,199,202,204,205,213,214,217,218,222-224 995-999
				0 001 115 006,008,020,021,025,039-041,045,046,049-054,056, 057,068-073,076-079,082-085,096-105
				0 001 148 003,004
4 4608 1	Bosch	1	1 000 301 083 DE	0 001 106 011,012,014-017,019,022-024
		1	1 000 301 056 CE	0 001 107 066,077,091-093,097,098,109
		1	1 000 301 054 PG	
4 4611 1	Bosch	1	2 000 301 036 DE	0 001 106 018,020
		1	1 000 301 056 CE	0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046
		1	1 000 301 054 PG	047,058,061,062,067,076,083,089,094,095,103-107,
		1	1 000 301 055 Shaft	0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 047-049,056,060-063,068,069,072,082,084-087,089,999 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203
			0 001 109 001-003,006-008,017,028,029,047,049	
			0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999	
			0 001 111 003,005	
			0 001 115 001,002,007,012,015,027 same application as 4 4601 1 with additional shaft-bushing	
4 4612 1	Bosch	1	1 000 301 012 DE	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096
		1	1 000 301 056 CE	0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225
		1	1 000 301 054 PG	0 001 109 012,057,058,202,203
		1	1 000 301 055 Shaft	0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042 same application as 4 4602 1 with additional shaft-bushing
4 4613 1	Bosch	1	1 000 301 021 DE	0 001 107 007,008,020,052,053
		1	1 000 301 056 CE	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
		1	1 000 301 054 PG	0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
		1	1 000 301 055 Shaft	same application as 4 4603 1 with additional shaft-bushing
4 4616 1	Bosch	1	9 001 140 384 DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
		1	9 001 140 347 CE	0 001 219 001,004,007-017,112
		1	4 4052 0 PG	6 033 AB1 J00
		1	4 4057 0 Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430,433 same application as 4 4618 1 CE bushing = cylindric bushing
4 4618 1	Bosch	1	9 001 140 384 DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
		1	1 000 322 005 CE	0 001 219 001,004,007-017,112
		1	4 4052 0 PG	6 033 AB1 J00
		1	4 4057 0 Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430-433 same application as 4 4616 1 CE Bushing = collar bushing
4 4620 1	Bosch	1	1 000 390 003/004 DE	0 001 121 001-003,006-011,016-019,024-031,034,035
		1	1 000 301 056 CE	0 001 123 001
		1	1 000 301 054 PG	0 001 124 001-008,011-015,022,023 0 001 125 001-013,021,022,025,031,032,035,036,039, 040,042,043,051,052, 501-504,507,508,511-514,517,518 602

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4622 1	Bosch	1	1 000 917 005 DE	0 001 107 070,071
		1	1 000 301 056 CE	0 001 108 113,114,174,175,200,201,220,221
		1	1 000 301 054 PG	0 001 109 011,021,022,026,043,056,059,060,064-067, 204,205,258-261,275,276,280,281, 304,305,310,311,319,320,324,325,328-331, 340,341,361-364,379,380,387-392,397,398, 407,408 0 001 110 029,030,056,066,067,100,101,106,107,122, 123,126-129,136,139 0 001 115 022,023,088,089,092,093 0 001 139 023,024,031,032
4 4623 1	Bosch	1	1 000 917 004 DE	0 001 106 403,404,409,410
		1	1 000 301 091 CE	0 001 107 407,410,417,418,421,422,456,499-502
		1	1 000 301 054 PG	0 001 108 400,405,406,408
4 4624 1	Bosch	1	1 000 917 007 DE	0 001 121 022,023
		1	1 000 301 056 CE	0 001 124 020,021
		1	1 000 301 054 PG	0 001 125 016-019,046-049,053,054, 600,601,605-608
4 4625 1	Bosch	1	1 000 301 012 DE	0 001 114 003,004,015,016
		1	1 000 301 022 IM	
		1	1 000 301 062 CE	
4 4626 1	Bosch	1	1 000 301 021 DE	0 001 114 005,006
		1	1 000 301 022 IM	
		1	1 000 301 062 CE	
4 4627 1	Bosch	1	2 000 301 036 DE	0 001 112 010,011
		1	1 000 301 022 IM	0 001 114 008-010,014,017,020-022
		1	1 000 301 062 CE	
4 4631 1	Bosch	1	1 000 301 012 DE	0 001 112 005,006,013,014,032
		1	1 000 301 062 CE	
4 4632 1	Bosch	1	1 000 301 021 DE	0 001 112 003,004,038,039
		1	1 000 301 062 CE	0 001 113 011,012
4 4633 1	Bosch	1	2 000 301 023 DE	0 001 112 021,022,027,028,044,045
		1	1 000 301 062 CE	0 001 113 001,002,007,008,013,014 F 000 AL0 332
4 4634 1	Bosch	1	2 000 301 036 DE	0 001 112 008,009,012,015,016,020,023,024, 034,036
		1	1 000 301 062 CE	0 001 113 003-006
4 4635 1	Bosch	1	1 000 917 004 DE	0 001 112 017,018,029,033,037,041
		1	1 000 301 056 CE	0 001 113 009,010,015,017 F 000 AL0 327
4 4636 1	Bosch	1	1 000 917 009,010,012 DE	0 001 121 032,033
		1	1 000 301 056 CE	0 001 122 201,202
		1	1 000 301 054 PG	0 001 123 002-005,012-021,024-029,036-039,044,045 0 001 124 026,027 0 001 125 055-060,519-522,609,610,613,614, 125 617-620 0 001 142 001-006 0 001 145 001,002 0 001 153 007-010,013,014
4 4637 1	Bosch	1	1 000 917 010 DE	0 001 120 400-411
		1	1 000 301 091 CE	0 001 121 410,411,422,423,427,428,
		1	1 000 301 054 PG	0 001 121 439,440,443,444

REPARATUR- UND BUCHSENSÄTZE  
REPAIR KITS AND BUSHING-KITS

BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4640 1	Bosch	1	2 000 301 019 DE	0 001 362 005-007,011-017,021-025, 033,037 0 001 363 101 JF 12/24 V
		1	2 000 301 026 IM	
		1	2 000 301 019 CE	
4 4641 1	Bosch	1	2 000 301 019 DE	0 001 362 034-036,039-043,045,046,048-050, 053,057-062,067,071-076,079,081, 084-086,088-092,094,095,098,100, 102,103,105,305,307,308,311,313, 314,320,322,323,325,326,329,330, 602,603,606,607,700-705 0 001 363 103-105,107-117,122,124-126,128, 130 0 001 366 001-006,009-015,017-022,024,025, 027-029 0 001 367 040,043 0 001 369 014,020 JF 12/24 V
		1	2 000 301 041 IM	
		1	2 000 301 043 CE	
4 4642 1	Bosch	Kit	1 007 010 144	0 0152 400,401,410,411 0 001 153 001,002,005,006,015,016 510,511 SF74-E+ 12V(L) SFL74-E+ 12V(L) SFL74-L 12V(L)
		1	1 000 917 010	
		1	1 000 301 056	
4 4643 1	Bosch	Kit	1 007 010 155	0 001 139 001,002,005,006,011-022, 025,026,029,030,037,038, 041,042,045,046,049,050, 053,054,067,068,071,072, 408,409 0 001 149 418-421 S78-M 12V(R) SL78-M 12V(R)
		1	9 001 140 384	
		1	1 000 301 056	
4 4644 1	Bosch	Kit	6 033 AD5 158 w./o. seal ring	0 001 241 001,003,005-009,012, 014-016,019-021,023, 024,119 0 001 261 001-008,012,013,016, 023,025-028,044-047 F 002 G20 786 HEF95-L 24V(R) HXF95-L 24V(R)
		1	6 033 AC5 310	
		1	9 003 330 317	
4 4679 1	Bosch	1	2 000 301 015 DE	0 001 410..../411... 0 001 414.... - 417.... KB 24V
		1	2 000 301 016 CE	
4 4680 1	Bosch	1	2 000 301 036 DE	0 001 208 200-202,206-208,209,211,216,217,224-229,232, 233,400,405,422,423,501,507,510,515-518,526,528, 705,707,717 0 001 211 207,215,229,241,242,246,512,514,535,536 EF 12 V
		1	1 000 301 011 CE	
4 4681 1	Bosch	1	1 000 301 012 DE	0 001 311 030,031,101,103,105-110,112-114,118,120-126, 128,130-143,146,147,149,151,152 GF 12V
		1	1 000 301 001 CE	
4 4682 1	Bosch	1	2 000 301 023 DE	0 001 157 024,025,028 0 001 208 709-711,713,714 0 001 211 500-505,510 0 001 212 205 EB/EF 12 V
		1	1 000 301 011 CE	

REPARATUR- UND BUCHSENSÄTZE  
REPAIR KITS AND BUSHING-KITS

BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4683 1	Bosch	1	2 000 301 000 DE	0 001 359....
		1	2 000 301 041 IM	0 001 360....
		1	1 900 301 420 CE	JD 12 V / 24 V
4 4684 1	Bosch	1	2 000 301 000 DE	0 001 362 051,052,063,064,082,093,
		1	2 000 301 041 IM	097,104,300-304,306,309,
		1	2 000 301 043 CE	310,315-319,324,327,328,332
				0 001 363 118,121,127
				0 001 364 300,301,400,402
				0 001 366 008,016,026
				0 001 367 001,002,004-018,020-035,
				037,039,041,042,044,045,
				047-050,052,055,056,058,
				059,062,064-082,300-303
4 4685 1	Bosch	1	1 000 301 021 DE	0 001 208 411,412,46,418,425,426,428
		1	1 000 301 001 CE	0 001 211 221,223,224,251,993
				EF 12 V
4 4686 1	Bosch	1	1 000 301 021 DE	0 001 314 012,013
		1	1 000 301 022 IM	0 001 317 009,010,014,015,018-021
		1	1 000 301 021 CE	GF 12 V
4 4687 1	Bosch	1	1 000 301 011 DE	0 001 311 150
		1	1 000 301 022 IM	0 001 314 001-006,008-011,017,018,024-033,
		1	1 000 301 001 CE	035-038,040-043
				0 001 315 002,004
				0 001 316 003-009
4 4688 1	Bosch	1	1 000 301 011 DE	0 001 317 005-008,011-013,016,017,022,023
		1	2 000 301 026 IM	025
		1	2 000 301 043 CE	0 001 362 038,047,069,070,077,078,083
				600,601,604,605
4 4689 1	Bosch	1	2 000 301 011 DE	0 001 363 106,119,120,123
		1	2 000 301 026 IM	0 001 369 004
		1	2 000 301 043 CE	JF 12/24 V
		2	2 000 301 044 SD	
4 4689 1	Bosch	1	2 000 301 000 DE	same application as 4 4684 1
		1	2 000 301 041 IM	with 2 additional bushes for
		1	2 000 301 043 CE	starter drive
		1	2 000 301 044 SD	
		2	2 000 301 044 SD	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4579 1	FBN-14	1	Denso 028403-0082 028403-51011	Daihatsu 28111-87501 28131-87701
	FBN-33	1	949103-3160	Isuzu 9-82114101-0 Mazda 0290-24-841A Mitsubishi MD604062 Subaru 39222-3902 49242-7002 Suzuki 31152-63210 31172-78310 Toyota 28111-51011 90099-10134







IKA-No.	Original	Qty.	References	Unit-Nos.
4 4574 1	FBH-31	1	2114-4661 2114-5661	Nissan 23319-N3300 23338-N3300
	FBH-32	1	2114-5352	
4 4584 1	FBH-32	1	2114-5352	Hitachi S114-850 Opel Astra D Corsa D
	no	1	2114-44101	
	no	1	2114-1353	



IKA-No.	Original	Qty.	References	Unit-Nos.
4 4697 1	Lucas	1	11.16/15.85-26.2x12.7	M 90
	60600735 TCB 116	1	12/15x14.3	
4 4698 1	Lucas	1	54 257 833	M 45 / M 50 / M 127
	60600027 TCB 118	1	54 256 098	
		1	54 255 966	
		1	54 256 151	


IKA-No.	Original	Qty.	References	Unit-Nos.
4 4670 1	Marelli / Fiat	1 1	748 811 10/748 878 90 4 114 442 / 748 603 80	632 207 00,01,02,05,06,21,23,24,31,43 632 208 03,04,06 632 209 00,01,31 E84
4 4671 1	Marelli / Fiat	1 1 1	9 927 787 / 723 625 10 9 927 789 / 723 629 10 9 927 796 / 723 650 10	632 167 01-04,06,08,10,25-27,31,33,40,41,47,48,63 MT67 24V

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4570 1	FBM-39	1	Melco M409C12970	Nissan 23319-M8011
	FBM-45	1	M409C32401 M409X32571	23338-01N10 Mitsubishi MD607892 MD618334
4 4581 1	FBM-39	1	Melco M409C12970	Mazda E356-18-X01
	FBM-38	1	M409C32370	E356-18-X81 Mitsubishi MD607892 MD607898 MD607903 Nissan 23319-M8011 23338-M8011
4 4587 1	FBM-16	1	Melco M410D11271	Mazda 0426-24-715,-A
	FBM-18	1	M410D12171 M409D32201 M410D30171 M409C32201 M648C32201	0222-24-741 Mitsubishi MD602213 MD602686 Nissan 23319-M0110 23338-P0610

IKA-No.	Original	Qty.	References	Unit-Nos.
 <p><b>0 3791 1</b></p>	Valeo	2	PS 142	D7R..
		2	PS 144	
	Kit	1	Lever D7R	
	D7R universal	4	Springs D7R	
		4	Spring Caps D7R	
		3	Bushings	
		3	Needle Bearings	
 <p><b>0 3798 1</b></p>	Valeo	1	PS 148	D6RA... w/o. D6RA8,-10
		1	PS 149	
	Kit	1	Spring PF 4849 (R16)	
	D6RA(4)	1	Brushholder D6RA	
	w. brush holder	4	Bushings	
	and small parts	1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
 <p><b>0 3799 1</b></p>	Valeo	1	PS 146	D6RA8,-10
		1	PS 147	
	Kit	1	Spring PF 4647 (R17)	
	D6RA8/10(4)	1	Brushholder D6RA 8/10	
	w. brush holder	4	Bushings	
	and small parts	1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
 <p><b>0 3818 1</b></p>	Valeo	1	PS 146	D6RA 8/10 BH
		1	PS 147	
	Kit	1	Brushholder D6RA 8/10	
	D6RA8/10(3)	1	Spring PF 4647	
	w. brush holder	3	Bushings	
		2	Insulations	
 <p><b>0 3820 1</b></p>	Valeo	1	1 x PS 148	D6RA... w.o. D6RA8,-10
		1	1 x PS 149	
	Kit	1	1 x Spring PF 4849 (R16)	
	D6RA(3)	3	3 x Bushings	
		2	2 x Insulations	
 <p><b>0 3821 1</b></p>	Valeo	1	PS 146	D6RA 8/10
		1	PS 147	
	Kit	1	Spring PF 4647	
	D6RA8/10(3)	3	Bushings	
		2	Insulations	

# REPARATUR- UND BUCHSENSÄTZE REPAIR KITS AND BUSHING-KITS

# VALEO

IKA-No.	Original	Qty.	References	Unit-Nos.
	Valeo	1	PS 148	D6RA...
		1	PS 149	w./o. D6RA8,-10
	Kit	1	Spring PF 4849	
	D6RA(3)	1	Brushholder D6RA	
	w. brush holder	3	Bushings	
		2	Insulations	
<hr/>				
4 4645 1	Valeo	1	105 464	D9R
		1	105 465	
		1	105 715	
<hr/>				
4 4647 1	Valeo	1	20/24x5.0 IM	D7R8/9/12
		1	7/10x6.1 DS	
		2	185 951 CE/DE	
<hr/>				
4 4648 1	Valeo	1	20/24x5.0 IM	D7R5
		1	7/10x6.1 DS	
		1	185 936 DE	
		1	185 951 CE	
<hr/>				
4 4649 1	Valeo	1	185 951 DE	D7R1-4,11,15
		1	97.726 CE	
		1	20/24x5.0 IM	
		1	7/10x6.1 DS	
<hr/>				
4 4650 1	Valeo	1	12/15x10 DE	D6RA 4 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x8 CE	
		1	6.1/9.1x 7 DS	
<hr/>				
4 4651 1	Valeo	1	12/15x10 DE	DR6RA 3 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x 8 CE	
<hr/>				
4 4653 1	Valeo PR	1	30828	D11E163,164,169,172,173,176,177,178,
	182 140	1	50488	187,188,192,272
		1	51914	
		1	96485	
<hr/>				
4 4654 1	Valeo PR	1	55330	D13E76,77,86 TE,87 TE,90 TE,93 TE,94 TE,
	182 158	1	71381	96 TE,107 TE,109 TE,110 TE,117 TE,118 TE
		1	74330	
<hr/>				
4 4656 1	Valeo PR	1	30828	D11E184,189,191,195,197,198
	182 142	1	51914	
		1	95654	
<hr/>				
4 4657 1	Valeo PR	1	30828	D11E142,143,153,T,154,155,156,158,159,160,
	182 139	1	47852	165,167 T,170,180,202
		1	95654	
		1	96485	
<hr/>				
4 4658 1	Valeo PR	1	30828	D11E58,69,75,78,84,92,T,108,118,119,T,120,
	182 136	1	47852	131,137,139,T,141,144,146,148,161,193
		1	48499	
		1	50488	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4659 1	Valeo PR 182 096	1 1 1	51914 97726 104164	D10E85,87,88,89,90,92,921
4 4662 1	Valeo PR 182 061	2	51914	D8E55,T,56,60,74,81-83,85-88,95-99,104-107,110-117,119-124, 129-134,136,137,139-142,144,147,148,151,152,154 D9E7,9,11,12,14,15,18,19,20,26,27,28,34,35,37,41 D10E59,69,75,81,83
4 4663 1	Valeo 182 050	1 1	105464 105715	D9R
4 4674 1	Valeo Duc. 583348 Paris Rhone 182063	2	601 476  097 726	6035 F,6045 A,B,6081 E,F 532000 A,B,532001 A,B,532005 A,532007 A, 532011 A,532012 A,B,532017 A,532020 A,B, 532021 A,532023 A,532024 A,B,532025 A,B, 532026 A,532027 A,533000 A,533001 A, 533002 A,533003 A,533004 A,534002 A, 534 003 A,B,C - 534057 A D9E31,32,36,38-40,43-46,48-57,61-100,771,772

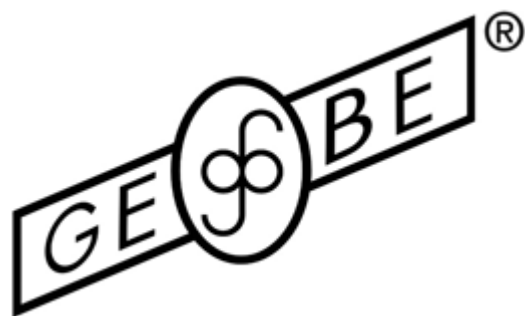
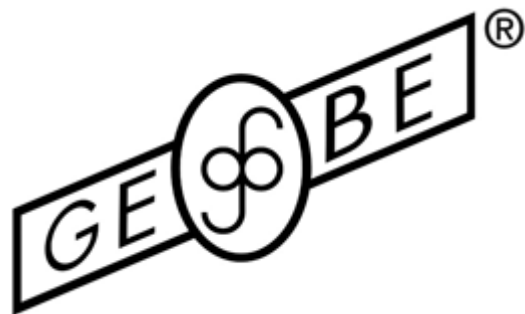
# 9

VERSCHIEDENE STARTERTEILE

VARIOUS STARTER PARTS

DIVERSES PIECES DE DEMARREURS
















**VERSCHIEDENE STARTERTEILE**  
**VARIOUS STARTER PARTS**

**BOSCH**







<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
<b>4 0736 0</b>	Bosch	Brush Spring Brush-Sets: BSX 166,BSX 175-176 Brush-Holders: 7 7125 1,7 7126 1,7 7131 1	0 001 106 .../107.../121... 0 001 112.../113.../114.../133...
<b>4 0737 0</b>	Bosch	Brush Spring Brush-Sets: BSX 157-158 Brush-Holders: 7 7127 1,7 7129 1,7 7132 1	0 001 109.../110.../123-125...
<b>4 0738 0</b>	Bosch	Brush Spring Brush-Sets: BSX 159-160 Brush-Holders: 7 7124 1,7 7128 1	0 001 108.../111...
<b>4 0739 0</b>	Bosch	2 004 616 007 Brush Spring Brush-Sets: BSX 134-144,BSX 135-145 Brush-Holders: 7 7119 1,7 7120 1	0 001 367.../368.../ 9 000 143... JF 12V 3.0kW - JF 24V 4.0kW
<b>4 0740 0</b>	Bosch	1 004 611 007 Brush Spring Brush-Sets: BSX 146,149,154,156 Brush-Holder: 7 7122 1	0 001 208.../211... 9 000 333 ...
<b>4 0747 0</b>	Bosch	1 004 615 001 Brush Spring Brush-Sets: BSX 151 Brush-Holders: 7 7130 1,7 7133 1	0 001 218... / 9 000 331... EV 12V 2.2kW
<b>4 0748 0</b>	Bosch	2 004 618 004 Brush Spring Brush-Sets: BSX 137-143,138-142,139 Brush-Holders: Brush-Holders: 7 7115 1,7 7116 1	0 001 362.../363.../366... 9 000 143... JF 12V 1.9/2.0/2.2-2.7kW JF 24V 2.6/3.2kW
<b>4 0749 0</b>	Bosch	1 004 611 006 Brush Spring Brush-Sets: BSX 140, BSX 152 Brush-Holders: 7 7121 1	0 001 312 108,109 0 001 317 007-025 GB/GF 12V 1.7kW
<b>4 0750 0</b>	Bosch	6 033 AC0 318 Brush Spring  Brush-Sets: BSX 190-191 BSX 194-195 BSX 216-217 BSX 222-223 BSX 224-225 Brush-Holders: 7 7199 1 7 7210 1 7 7241 1 7 7242 1 7 7243 1 7 7244 1	0 001 230 002-007,009,030 0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045, 046,119,146 0 001 241 001,008,009,016,019-021,023, 024,119 0 001 260 001 0 001 261 007,008,012 0 001 263 002,010,012,014 EV(R) 12V 3.0 kW EV(R) 24V 4.0kW HE95-M 12/24V (R) HEF95-L 24V (R) 5.5 kW HX95-L 12V (R) 4.0 kW
<b>4 0752 0</b>	Bosch	2 004 616 009 Brush Spring Brush-Sets: BSX 155,163-164,170-171, BSX 198-199 Brush-Holders: 7 7137 1,7 7138 1,7 7400 1	0 001 364.../367.../368.../369.../372... 9 000 143... JD 24V 5.2kW, JE 24V 6.2kW JF 12V 2.5/3.0/3.1kW JF 24V 4.8kW







IKA-No.	Original	References	Unit-Nos.
4 0779 2	Bosch	Screw-Kit JF 4 screws + 4 nuts M5 Brush-Sets: BSX 134-144,135-145, BSX 137-143,138-142, BSX 163-164,170-171, BSX 198-199	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 0780 2	Bosch	Spring-Kit JF new Screw-Kit JF 4 0779 2 + 4 Springs 4 0752 0 Brush-Sets: BSX 155,163-164,170-171, BSX 198-199	0 001 364 .../ 0 001 367 ... 0 001 368 .../ 0 001 369 ... 0 001 372 .../ 9 000 143 ...
4 0781 2	Bosch	Spring-Kit JF old Screw-Kit JF 4 0779 2 + 4 Springs 4 0739 0 Brush-Sets: BSX 134-144,135-145	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 1003 0	Bosch	Stop Collar Kit JD/JF	0 001 359 .../360.../362.../363.../367... 0 001 368...
4 1004 0	Bosch	Stop Collar-Kit 12mm	PMGR-Starters with 12 mm drive shaft
4 1005 0	Bosch	Stop Collar-Kit 11mm	PMGR-Starters with 11 mm drive shaft
4 3370 0	Bosch	2 000 105 040 Clutch Washer KB	0 001 410 .../ 411 .../ 413 .../ 414 ... 415 .../ 416 .../ 417 .../ 418 ... 9 000 084 ...
			
4 3393 0	Bosch	2 007 011 071 Terminal Kit IE 5.0/6.7 kW	0 001 370 003,004 0 001 371 004-010,012-020
			
4 3394 0	Bosch	Terminal Kit 12 mm KB-Starter	0 001 416 002,038,040, 0 001 416 043,062 0 001 417 001,007,036
			






	IKA-No.	Original	References	Unit-Nos.
	4 3395 0	Bosch	2 007 010 007 Small Parts Kit JD/JF	0 001 354.../359.../360.../362.../363... 0 001 364.../365.../366.../367.../368... 0 001 369...
	4 3396 0	Bosch	Small Parts Kit KB 2 000 105 040 x 1 2 000 109 008 x 2 2 000 210 014 x 1 2 000 212 000 x 1 2 004 650 030 x 1 2 000 500 084 x 2 2 003 315 002 x 1 2 003 450 015 x 4	0 001 410 ... /411 ... /414 ... 0 001 416 ... /417 ...
	4 3397 0	Bosch	2 004 632 026 Terminal Kit 10 mm KB-Starter	0 001 410 088 0 001 411 012,017 0 001 416 004,007,008,027 0 001 417 010,038,041
	4 3470 0	Bosch	0 331 450 002  Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
	4 3471 0	Bosch	0 331 101 005  Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
	4 3490 0	Bosch	Contact set for Relais 0 331 450 001 KB-Starter	0 001 410 ...







VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

BOSCH

	IKA-No.	Original	References	Unit-Nos.
	4 3491 0	Bosch	Contact set for Relais 0 331 101 006 KB-Starter	0 001 410 ...
	4 6027 1	Bosch	2 006 401 527  Clutch KB Starter	0 001 410 ...,411 ..., 0 001 413 ...,414 ..., 0 001 415 ...,416 ..., 0 001 417 ...,418 ...
	4 6035 1	Bosch	0 331 450 001  Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
	4 6054 1	Bosch	0 331 101 006  Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
	4 7148 0	Bosch	2 001 933 175 Lever	0 001 359...,360... 0 001 362...,363... 0 001 364...,365... 0 001 367...,368...,369... 9 000 143...
	4 7149 0	Bosch	1 001 933 106 1 001 933 111 Lever for Gear Starters	0 001 106 ... /107 ... 0 001 108 ... /109 ... 0 001 110 ... /112 ... 0 001 113 ... /114 ...







IKA-No.	Original	References	Unit-Nos.
7 7050 1	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 92/77 mm	
			
7 7051 1	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 105/90 mm	
			
7 7052 1	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 105/90 mm	
			
7 7053 1	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 105/90 mm	
			
7 7055 1	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 75/60 mm	
			
7 7056 1	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 45/30 mm	
			

IKA-No.	Original	References	Unit-Nos.
7 7057 1	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 60/45 mm	
			
7 7058 1	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 55/40 mm	
			
7 7060 1	Bosch	Field Coil Connector 16 mm <sup>2</sup> x 90/75 mm insulated w. grommet	0 0001 218...
			
7 7062 1	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 75/60 mm	
			
7 7063 1	Bosch	Field Coil Connector 16 mm <sup>2</sup> x 105/90 mm  fits Field Coil 2 004 114 065,135	0 001 368 001-006,008-014,016, 017,019,022,024,025, 027-029,032-034, 037-040,042,043, 045-052,054-056,058, 059,061,062,067,069, 070,072,074-076, 078-080,082,083, 085-087, 300-303,305,306,309, 311-313,317,318  9 000 143 604
			







IKA-No.	Original	References	Unit-Nos.	
	4 3473 0	Denso	28017-19502 Contact Kit fixed with M8 stud, copper 2.5mm	028000-5910,-6000,-6260, -6300,-7550,-7790, -8370,-8620,-9270 1.4 kW Gear Reduction Starters
	4 3474 0	Denso	28017-19512 Contact Kit	028000-5581,-5620,-7240 128000-6330 2.4 kW Gear Reduction Starters
	4 3475 0	Denso	Contact Kit	028000-7370, -7372, -7373, -7790 028000-7791, -8320, -8370, -8371 028000-8451, -8760, -8761, -8762 028000-8980, 128000-0040 1.0/ 1.2/ 1.4/ 2.0 kW
	4 3476 0	Denso	Contact Kit fixed with M8 stud, copper 2.5mm	128000-0620,-7140,-9380 228000-0470 1.2/ 1.4/ 2.0 kW
	4 3477 0	Denso	028099-7230, 028099-9130,-9131 Contact Kit	128000-7390,-7500,-7560, -7713,-7714,-8030, -8400,-9310,-9710 1.2/ 1.4 kW
	4 3478 0	Denso	028099-7210 028099-7212 028099-7231 Contact Kit	128000-7002,-7122,-8210, -8310-8312,-8320-8322 1.2/ 1.4 kW

**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**DENSO**







	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>4 3479 0</b>	Denso	028099-7240 028099-7242  Contact Kit	128000-9310, -9880, -9890, 228000-0820, -0830, -0900, -1560, -2500, -3220, -3620, -4970, -5490, -5670, -5680, -6170  1.2/ 1.4 kW
	<b>4 3480 0</b>	Denso	053660-0401, -0402 -7100, -7250 -7260, -7710  Plunger	028000-7370, -7791, -9260
	<b>4 3481 0</b>	Denso	021660-0440 053660-0441, -0442, -0443, -0660, -7111, -7170  Plunger	028000-5510, -6290, -6870
	<b>4 3482 0</b>	Denso	053660-7120, -7121 053680-7120  Plunger	128000-6810, -6811, -6812, -7002, -7120, -7122, -7140, -7500, -7560, -7713, -8210, -8321, -8460, -8470, -8480
	<b>4 3483 0</b>	Denso	053660-7240, -7241  Plunger	228000-2120, -2680, -2690, -2700, -2860, -2980, -2990, -3260, -3840, -3850, -3851
	<b>4 3521 0</b>	Denso	28017-19500  Contact Kit	028000-5120, -6030, -6040, -6700, -6710, -7390, -8180, -9710  128000-0700 1.4 kW Gear Reduction



IKA-No.	Original	References	Unit-Nos.
4 3522 0	Denso	28017-19511 Contact Kit	228000-5641,-7550 2.4 kW Gear Reduction Starters
			
4 3523 0	Denso	028099-2790,-2791 028099-3780,-3781 028099-7100,-7120,-7140 Contact Kit	028000-5300,-5301,-5510, -5511,-5530,-6870 028100-54032 2.5 kW Toyota, Isuzu
			
4 3524 0	Denso	028099-3160 Contact Kit	028000-4800,-5000,-5300, -5301,-5510,-5511, -5530,-5531,-6870 2.5 kW Toyota, Isuzu
			
4 3525 0	Denso	028099-2921,-3010 028099-3020,-3390 028099-3399,-6820 028099-7220 Contact Kit	028000-3641,-3642,-4323, -4343,-4450,-4540, -4940 1.0/ 1.2/ 1.4/ 2.0 kW
			
4 3526 0	Denso	028099-6420 028099-6430-6433 028099-6470 028099-6890 Contact Kit	128000-5730,-5731 5.5 kW 24V
			
4 3527 0	Denso	128099-5240 128099-5241 Contact Kit	128000-0570,-0571,-1590,-1591, -1600,-1601,-1610,-1611, -1661 2.5/ 2.7/ 4.5 kW
			

VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

DENSO

IKA-No.	Original	References	Unit-Nos.
 <p>4 3528 0</p>	Denso	028099-7202 028099-7800,-7812  Contact Kit	228000-2120,-2690,-2860, -2990 2.0 kW
 <p>4 3529 0</p>	Denso	028099-3000,-3001 028099-3040,-3041  Contact Kit	028000-4323,-4540,-4940, -5900,-5911,-5912, -6001,-6120,-6361, -6362, -7351,-7410,-7560 1.0 kW
 <p>4 3530 0</p>	Denso	028099-7750-7752 028099-8960,-8961  Contact Kit	028000-7370 228000-0640, -0780, -0880, -0910, -1690, -1780, -2300, -2610, -2851, -2880, -3640, -4880 1.0/ 1.2/ 1.4/ 2.0 kW
 <p>4 3531 0</p>	Denso	028099-2680,2820 028099-3030,-3031,-3860 028099-8672,-8701  Contact Kit	028000-3641,-3642,-4343, -4450,-4990,-5060, -5190,-5390,-7370 1.0/ 1.2/ 1.4/ 2.0 kW
 <p>4 3532 0</p>	Denso	128099-3170  Contact Kit	128000-3080,-3081,-3082, -3512,-3513,-3514, 228000-1671,-5641,-7550 2.5/ 4.5 kW
 <p>4 3533 0</p>	Denso	028099-2690,-2691  Contact Kit	028000-4800,-5000,-5300, -5301,-5570,-5571, -5651,-5652,-5660 2.5/ 4.5 kW

VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

DENSO

IKA-No.

Original

References

Unit-Nos.

4 3534 0

Denso

028099-6600

128000-3380, -3381, -3420

Contact Kit



IKA-No.	Original	References	Unit-Nos.
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4 0751 0	Remy	Brush Spring RF 120	all types Delco Europe for Opel
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4 7161 0	Remy	DR 1901 Lever	3471141,143,144,150,152 Opel, Vauxhall
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**VERSCHIEDENE STARTERTEILE**  
**VARIOUS STARTER PARTS**

**VALEO**

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>4 0774 2</b>	Valeo	Spring-Kit D7R Brush Holder 7 7157 1	D7R all units
	<b>4 0775 2</b>	Valeo	Spring-Kit PSX 146-147 Brush Holder 7 7150 1	D6RA 8,10
	<b>4 0776 2</b>	Valeo	Spring-Kit PSX 148-149 Brush Holder 7 7151 1	D6RA all units w. exception of D6RA8/10 see 4 0775 2
	<b>4 0777 2</b>	Valeo	Spring-Kit PSX 133 Brush Holder 7 7153 1	D9E 2-Brushes version
	<b>4 0778 2</b>	Valeo	Spring-Kit PSX 129 Brush Holder 7 7152 1	D9E 4-Brushes version
	<b>4 1000 0</b>	Valeo	Stop Collar Kit 073294	D9R...
	<b>4 1001 0</b>	Valeo	Stop Collar Kit 594084	D6RA...
	<b>4 1002 0</b>	Valeo	Stop Collar Kit 097804	D9E...
	<b>4 3836 1</b>	Valeo	594528, 594530 Armature 7 teeth	D6RA67,76-81,91,100,101,104 105,107-110,115,167,180, 181
	<b>4 3838 1</b>	Valeo	594529, 594531 Armature 8 teeth	D6RA45,50-57,60,63,64,66,70, D6RA72,74,75,83-85,87,137,138, D6RA141,161,168,185,187,188, D6RA210,511,571,572,661,721 D6RAD183
	<b>4 3839 1</b>	Valeo	594526 Armature 13 teeth	D6RA5-8,10-13,15-23,25-30, D6RA32-34,37-44,46-49,59, D6RA61,62,65,68,73,82, D6RA133,162,165,249






VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

VALEO

	IKA-No.	Original	References	Unit-Nos.
	4 3840 0	Valeo	594534,594535 Field Case complete with Magnets	D6RA10,12,13, D6RA100,101,104,105,107-110,115 D6RA SH clockwise rotation
	4 3841 0	Valeo	Support for Magnets	D6RA
	4 3842 0	Valeo	Magnet North	D6RA
	4 3843 0	Valeo	Magnet South	D6RA
	4 3844 0	Valeo	Field Case	D6RA SIH anticlock rotation
<b>NEW</b> 	4 6001 1	Valeo Mercedes	594271 A0011522610	D6RA68, D6RA168 D7R19, D7R28, D7R43, D7R46 D7R65, D7R281 12V
<b>NEW</b> 	4 6002 1	Valeo Fiat	594613 CED 5100 77363326	D7R26/-27 D8R27/-28/-29 12V

VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

VALEO

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	4 6003 1	Valeo PSA	594181 583662	D6RA37 D6RA51/-511 D6RA57/-571 12V
<b>NEW</b>	4 6004 1	Valeo	594426	D6RA100 D7R1/-3/-11/-15/-151 12V
<b>NEW</b>	4 6005 1	Valeo BMW PSA	594045 1244607-00 9405836488	D6RA5/-7/-10/-13 D6RA15/-20/-42 D7R7/-41/-42 D7R61 12V
<b>NEW</b> 	4 6006 1	Valeo BMW	594467 CED 5093 7787355-01	D7G4 BMW 12V
<b>NEW</b> 	4 6007 1	Valeo PSA	594348 CED 5120 583683	D6G3 D7E5, D7E16, D7E23 TS8E2 12V
<b>NEW</b> 	4 6008 1	Valeo Nissan	594452 CED 5086 23343-AX010	TS8E3, -E4 D7E29, -30, -31 D7E40, -41 12V
<b>NEW</b> 	4 6009 1	Valeo VAG	595617 594617 CED 5258 02Z911287, -B	D6GS19, D7G6, D7GS10 D7GS8, D7GS9 TS18E1, TS18E3 TS18ER121, TS18ER123 TS18ER20, TS18ER22 12V
<b>NEW</b> 	4 6010 1	Valeo	595731 CED 5158	D7G3, D7G26 TS18E13, TS22E26 12V

**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**VALEO**

IKA-No.	Original	References	Unit-Nos.
4 7154 0	Valeo	Lever	D7R..
			
4 7155 0	Valeo	Lever	D9E...,D9R..
			
4 7156 0	Valeo	Lever	D6RA
			
7 7070 1	Valeo	Field Coil Grommet fits Brush Holders 7 7159 1 , 7 7165 1	D7E ...
			

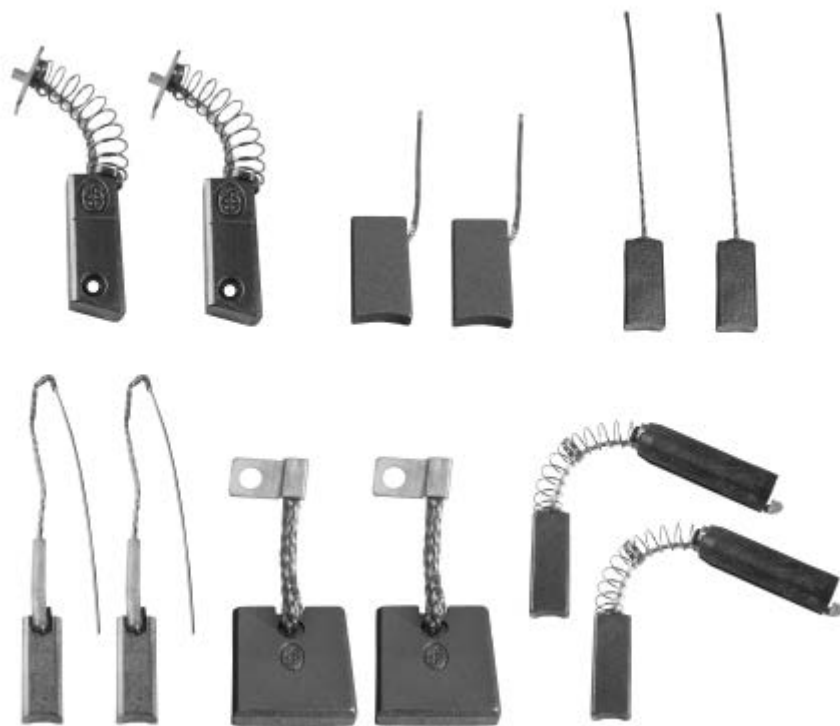


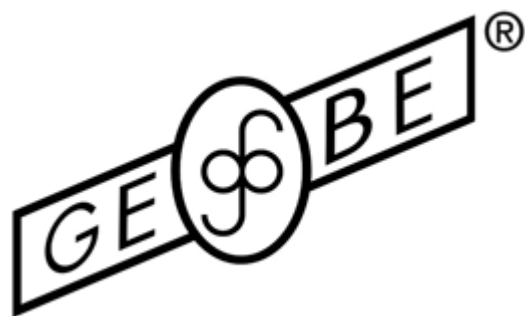
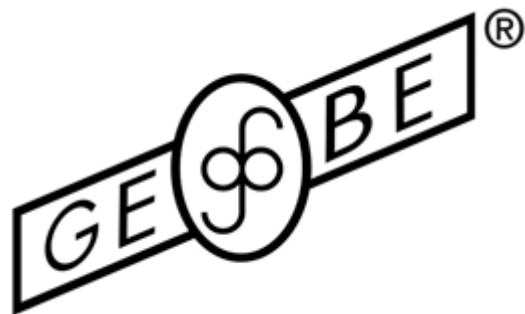
# 10

KOHLEBÜRSTEN

CARBON BRUSHES

BALAIS EN CHARBON





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 68 (4)</b> <b>P/N 0 1034 1</b> 4-B 68	Bosch	1 107 014 118,119 2 107 014 004 2 104 320 105, 106  limited stock	6 x 28 x 30,5	0 101 206 135,157 209 031,33,37,41 500 001,5,6,15,18,21,23,27 501 001,2,9,15,21,27-29,36,39,51,55,62-67 502 001 503 009 0 136 501,12,44 GQ300/12/950,400/24,GQL600/12/24 GTL700/1000 24V QL(R)14/28V/38/75A/14/15 12/24 Volt
	<b>BX 104 (2)</b> <b>P/N 0 1035 1</b> 2-B 104	Bosch	1 107 014 114,115 1 107 014 116,117  2 104 320 074  limited stock	6 x 22 x 25,5	0 101 353 005,12,14,22,25,29,37 401 010,15 402 001,2,7,8,11,28,31,43,47,49,50,55-57, 060,63,64,67,71,72,76,78,79,86,90,100,106 404 013,16,19,20,23,26 GK200/12/24,300/12/24,GKM300/24
	<b>BX 140 (4)</b> <b>P/N 0 1043 1</b> 4-B 140	Bosch	2 107 014 007  2 104 320 084  limited stock	6 x 22 x 25,5	0 101 206 012 402 010,11,59-64,73,78-80,83-85, 087-92,97,99,100,905,906 404 011,13,19,23 GK300/24,K(R)28V13A
	<b>BX 151</b> <b>P/N 0 1043 1</b> 2-B 151	Bosch	1 127 014 000  1 124 320 000	10 x 5 x 18	0 120 400 507, 10, 17, 19, 22-24, 26, 29-31, 533-37, 40 DK1/14V35A
	<b>BX 165</b> <b>P/N 0 1044 1</b> 2-B 165	Bosch	1 107 014 128,140,146 2 107 014 017 1 104 320 014,044,047 2 104 320 012	6 x 22 x 25	0 101 203 067 302 002,06-08,13-16,21-29,35,36 039,44,47,51,56,67-76,83-86, 089,95-101,105,107,108, 111-120, 304 001-05,07,09,13-18 355 040 356 003,05,07,09,11-14,23,26 0 136 301 001 G(L/R) 14V30/38A GG,GJA 130/160/240/12
	<b>BX 169</b> <b>P/N 0 1048 1</b> 2-B 169	Bosch	1 107 014 109,135,144  1 104 320 025,031, 037	6 x 14 x 19	0 101 100 015 200 034 201 020-23,25,28 202 010,16,22,23 203 002,03,05-09 204 014 205 009-12,14,16,19 206 007, 09,13,14,18,24-27, 029,30,32-35,37,38,43 044,47,50,52-54,57-68, 070-76,79,81-84,86-91, 096,98-110,113, 115-117,119,120,122 123,125,132-141,145-152,157, 207 005,09-11,13-15,18 208 002,03,05,07-11

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				209 002,03,07-09,14,18, 021-23,25-29,31,33 036-41,43-47,60,64,65,67-69 352 005,08 354 023 355 040 0 136 200 007 EF,EG,EH 7/14V 20-50A GE,GEF,GEG,GEH 130/160/200/6/12 REE,REF,REG,REH 75/90/160/180/200-300/6



<b>BX 182</b>	Bosch	1 127 014 009,012		
<b>P/N 0 1051 1</b>				
2-B 182		1 124 320 029	10 x 5 x 17	
		Replacement for BX 190 P/N 0 1080 1		

0 120 340 001-006,008
0 120 400 600-6,8,9,11,14,15,20-31,34, 635,37,43,44,47-50,52-63,71, 672,75,77-82,86,87,92,93, 700, 2,3,9-14,16,17,19,21, 726-31,36,52,53,56,57,64,65 765-77,86,87,89,92-95, 800, 1,2,23,47,48,70,71,93-96 920,34,40
G1 14V 20A
K1(L/R) 14V35/55A20 28/45/50/55A22
K1 14V35A20,45A24








<b>BX 185</b>	Bosch	1 127 014 011		
<b>P/N 0 1052 1</b>				
2-B 185		1 124 320 027	8 x 5 x 15,5	


0 120 300 510-19,22,23,28-40 543-52,55,58-64,67,69, 573-80,85-90,92, 339 539 400 669,670,704-707,722-724, 733,740-743,745,747,758, 759,771,772,782,783, 806-11,14,27,28,31-34,36,37, 839-41,49-61,63-69,72,73,85, 889,90,98,99, 900-03,06,08,10-19,21,22, 926-28,36,37,43 450 003,4,7, 489 059,678,776,78,87,88,832,97, 489 955,98,99
9 120 143 000-003,6,7,9-11,15-17,20,21, 023,25-28,32-34
9 120 143 201-4,18,22,23,25,
9 120 144 002,5,10,11-14,18-20,22,24, 026,27,28,30,32,34,35,37, 039,040,218-220,229-233, 239,259,260-264,272, 274-276,294,296-298, 303,311
G1(L/R)14V15/18V20 28A22,33A27
G1-28V17A27
K1(L/R)14V35/38/50/55A20, 43/50A21, 35/45/60A22,
K1(L/R)14V20/38/45/60A, 21/50A,23/55A,28/70A











<b>BX 188</b>	Bosch	2 017 014 100,105		
<b>P/N 0 1079 1</b>				
4-B 188		2 014 320 012	6 x 14 x 23,5	

0 010 300 001-4,6,13,100,101 350 003-7,9,11-20,100-106
0 101 350 004 0 136 351 006 EJ160/12/3000 J(R)14V11A32 RL14V11A32 Startergenerators

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 190</b> <b>P/N 0 1080 1</b>	Bosch 1 127 014 012 replaced by BX 182 P/N 0 1051 1		
	<b>BX 192 (4)</b> <b>P/N 0 1069 1</b> 4-B 192	Bosch 1 107 014 112,113,122 2 107 014 012 2 104 320 064  limited stock	8 x 28 x 33,5	0 101 209 060,65,68 301 010 302 022,25,27,29,35,39,44,56,84,105,111 601 003,5 21, 22, 24, 73, 92, 93, 96, 98, 100, 102-104, 106, 114, 116, 118-120, 122, 126, 128,130, 140, 142,148,149, 160, 166, 168, 171-179,186, 189-191, 194, 195 690 004 GTL700/12/24, 1000/12/24 TL 28V 62A,UT1200/24
	<b>BX 198</b> <b>P/N 0 1084 1</b> 2-B 198	Bosch 1 127 014 002,014 1 124 320 002	10 x 5 x 17	0 120 400 504,5,7,8,10-12,17-19,22-25, 528-34,36,40-42,47-49,51-55, 558,63,66-72 617-19,32,33,36,39-42,45,64, 666-68,73,74,83-85,88-91,94, 695,97-99, 701,8,15,20,32,37,54,55, 773-75,78,79,85,88,90,91, 796-99, 805,24-26,30,35,42,43,45, 846,74-78,81-84,86-88, 891,92,97, 904,5,7,25,29-31, 9 120 690 024 K1 14V50A17,50A19,35/55A20 K1 28V17/25A19,21A21,27A23,35A24,45A27 K1-14V 16/35A K1-28V 3/45A,7/27A,8/35A
	<b>BX 199</b> <b>P/N 0 1081 1</b> 2-B 199	Bosch 1 127 014 015 1 124 320 039	8 x 5 x 15,5	0 120 400 665,725,760-763,784,829 489 793,94,96, 9 120 144 006-8,101-5,107,109,110 K1 14V 55A20 K1 28V18A5/A21,35A8/A24 K1 28V 5/18A,7/27A,8/35A 12/24 Volt
	<b>BX 202</b> <b>P/N 0 1061 1</b> 2-B 202	Bosch 1 127 014 013, 017,020 1 124 320 046/054	8 x 5 x 19,5	0 120 400 944,45,47-54, 450 001,2,10-29 469 580,691,752,53,73,850,51 484 045,46 489 034,658,709,891,900,995 9 120 144 124,125,130,133 K1-14V23/65A,35/75A,40/90A K1-28V 7/27A,8/35A N1-14V29/90A,30/85A,31/70A,40/100A,50/120A N1-28V10/55A 12/24 Volt





IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 203</b> <b>P/N 0 1086 1</b> 2-B 203	Bosch 2 127 014 003,005 2 124 321 005	10 x 5 x 22	0 120 600 515,21,25,27,38-40,43,44,54, 554,58-71,73-81 0 121 600 503,7,9,11-16,18-20 T1 (R/L)28V60/85/100A12 85A14,125A21 T1-28V33/139A,170/16A T2-28V85/100A12,170A16 24 Volt
	<b>BX 204</b> <b>P/N 0 1062 1</b> 2-B 204	Bosch 1 127 014 018,022,023, 025,209,030 w./o. springs and rivets 1 124 320 069,070,079 regulators: 6 033 RD0 002 RD1 001 RD2 004,006 9 121 692 013,123 9 191 037 302 337 302,303,310 F 002 G10 016,220,480,666, 812,879,923 F 002 G90 100-103,105-108, 115,356 F 010 RS0 201	8 x 5 x 19,5	0 120 339 547 450 030,31 468 001-147,149,154,155,159-162,999 469 001-041,043,044,048,100-105,107-118, 518-523,526,532,540-549, 551-564, 566-569,571,572,575,576,578,579, 581-595,598-611,617-624,628-653, 655-662,664-677,679-690,692-709, 711-751,754,757-759,761-763,768,772, 774-797,799-802, 804-823,827-839,843, 849,852-865,868-871,873-879,881-897, 899-916,918-953,955,956,958-960,962, 963,966-985,988-999 484 001-027,035,040,041,050,051 488 000-012,100-103,109-112,114,115,118-126, 129-153,156-205,207-211,214,215,217-241, 243-247,249-293,295,299-304,306,308-316 489 002-018,022-033,035-046,055,057,058, 061-066,069,070,072,073,076-084,086-088, 090-101,103-156,162,167,168,170-176, 181-184,186-220,224,226-229,232-239, 242-254,258-263,266-269,272-279,282,283, 285-292,294-305,307,308,310-398,400-405, 408,410-413,418-452,455-457,460,461, 465-467,469-474,476-480,482-499,507,643, 702-704,707,710,723-726,728-731,733,737, 756,757,779,827,881,882,885,886,888,889, 901-906,909-912,917,918,928,930-933,935, 936,944-946,960,961,964-978,980-997 6 033 G00 1B Y G30 03B,14B,30B,31B,37-40B, 43B,57B,40B,58B,60B G3B 022 G40 11B GB2 009 GB3 006,08-10,14,19-23,27,30,31, 033,36,40,46,47,54,55,59 GB4 008,09,15-18,20,21 GB5 007,09 9 120 080 129,135 143 018,019, 144 111-123,126-129,131,132,136,137,139, 205-207,216,217,235-237,240-245,248-258, 265,266,269,270,279-282,284,286-290,292, 301,305,600-628,631,636 334 135-139,310,312-318,320,322-324, 326-328,625-628,631,635,636 335 003 690 095,098,150,152,154 9 121 337 079 K1 14/28V 35-120A N1 14/28V 55-140A NL1 28V45-80A 12/24 Volt




IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 208</b> <b>P/N 0 1063 1</b> 2-B 208	Bosch 1 127 014 028 w/o.wire	6 x 4 x 17,5	compact generator slipping 14 mm same application as BX 213 12/24 Volt
		1 124 320 076, 078 F 00M 145 800 brush with flex and insulation		
	<b>BX 209</b> <b>P/N 0 1066 1</b> 2-B 209	Bosch 1 127 014 019,021	8 x 5 x 15,5	0 120 339 502-506,509-526,527,528,531-538,543-546 400 938,939,941,942 450 009 469 500-507,510-513,515,517,524,525,528,531, 533-535,537,539,570,573,574 489 001,019-021,047-052,054,074,075,309,475, 481,500-502,506,508-514,519-523,526,527, 532-536,538,541-551,556-562,565,566, 568-570,572-578,580-582,586,588,590, 593-595,599-605,607-611,613-617,619-624, 626-636,638-640,642,644-650,652,654-657, 659-661,664-669,671-673,676,678-683, 686-688,692,699,701,706,711,712,714, 716-722,732,735,739-743,745,747-749,751, 753,755,758,760-763,765,767-770,772,774, 775,780,781,783,785,786,795,797,798, 800-804,806,809-811,813,815,817,819, 821-826,828,829,833,835-844,847-857,859, 860,862,864,866-869,871,873-875,877-880, 887,893-896,899,914,916,919,921,922,924, 938-940,942,943,947-952,956-959 888 888 9 120 143 035,036,205-210,212,214,215,224,227-229 144 016,100,106,108,202-204,209,215,221-224, 144 227,238 334 140 690 006,007,012-015,020,021,025,081,082 G1 14V 28-35A G1 28V 3/18A K1 14V 35-70A K1 28V 7/27A, 8/35A N1 14V 70-90A 12/24 Volt
		1 124 320 061		
	<b>BX 213</b> <b>P/N 0 1065 1</b> 2-B 213	Bosch 1 127 014 028	6 x 4 x 17,5	0 120 335 006-008,010-012, 465 003,004,006-018,020,021,023,026-029,031, 485 005-008,011,012,015,017-020,022-026, 028-030,032,034,036,038,039,041,043,044, 046-050 0 123 100 001-003 105 001,002 110 004-008 114 005 115 009-014 120 001 212 001 215 001 310 001-008,010-020,022-035,037-044,046-055 315 001-008,013,015-022,500-503 320 001-012,014,016-055,057-063,065-067 325 002-008,010-014,500 335 001-006,008 340 001-003,005-007 345 004 500 001,002,004-009 505 001-005,007-018 510 001-018,020-023,026-034,037-054, 056-075,079-082,088,089,091-096, 099-102,105-109 512 500-502 515 002-004,007-014,016-018,020-025,028, 030,031,500-503 520 001-008,010-015,017,019-023,026,027, 029-031,500
		Regulators with monolithic circuitry Regulator-Nos.: 1 197 311 212-214,221-223,225, 230,231,233-236 238-240,242,501,503, 508-511,513,514, 519-523,525,526, 528-530,533,539-541, 543,545,547-553, 555-558 slip ring diameter 14mm BX 213 continued		



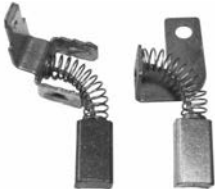


IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				525 001,500-503 540 001-004 545 001-004 0 124 515 503 F 010 LD0 201,202,205,206 GC 14V,50-70A KC 14V, 37-95A NC 14V, 55-150A 12/24 Volt
	<b>BX 214</b> <b>P/N 0 1067 1</b> 2-B 214	Bosch 1 127 014 024 1 124 320 073	8 x 5 x 17,5	0 120 489 293,309,475,481 K1 14/28V, 45-65A 12/24 Volt
	<b>BX 215</b> <b>P/N 0 1068 1</b> 2-B 215	Bosch 1 127 014 016, 026, 027 6 033 RD7 001 1 124 320 075	8 x 5 x 24,2	0 120 469 710 689 502-08, 10-18,20-28, 530-35,38-43,45,46, 548-53,55,57-59,61-64 567,69-78,82-85,87 F 000 LD0 200-203, 205-213 F 006 LD0 800 T1 28 V 105-140A 24 Volt
	<b>BX 216</b> <b>P/N 0 1064 1</b> 2-B 216	Bosch 2 127 014 006,007,008 2 124 321 007 limited stock	10 x 5 x 26,5	0 120 600 582-592 689 519,529,536,537,544,547,554, 556,560,589,590 T1(R/L)28V 44/55A,51/85A,60/89A, 110/180A
	<b>BX 219</b> <b>P/N 0 1082 1</b> 2-B 219	Bosch 1 127 014 031 1 124 320 080 w./o. springs and rivets limited stock	8 x 5 x 17,5	0 120 469 847,848 488 206, 294 K1 28V, 45A-90A 24 Volt
	<b>BX 220</b> <b>P/N 0 1083 1</b> 2-B 220	Bosch F 00M 145 810 Multifunction regulators for Compact Generators Regulator-Nos.: F 00M 145 ... 200,201,206-211,213-215, 217-220,222,224-231,233, 235-249,251,252,254-261, 270,271,282,350,404,862 slip ring diameter 14mm	6 x 4 x 17,5	0 124 215 001-006,008 225 001,002,004,009,012,016,018-030,032-036, 225 038,039,045,047 315 001-008,010-016,018-022,024-027,030 325 001-004,006-024,028,031-037,039-067,071, 073-076,079,085,086,088,094,097,100,101, 105,107,109-115,119,120,125 415 001,002,005-016,023,025,026,028,030, 032,033 425 004,006,009,010,019,021,022 515 001,004-006,010-013,015-019,022-028, 031-035,038-050,054-062,064,068,073, 079,080,082,083,085-087,089-091,095,096, 101,103,109,110-113,116-118,120,121,132 525 001,008-010,014,016,017,019-022,027,030 039,040,056-058 555 001-008,012-016,020,024,027,035 615 002,006-009,012-017,019-021,024,026,027,






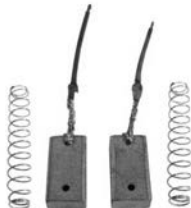
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				030,031,035,046
				625 005,007,018
				655 001,002,004-008,012,013,016,
				F 000 LD0 700
			E4	14V 50-110A
			E6	14V100-120A
			E8	14V 75-140A
			GCB2	14V 38-70A
			KCB1	14V 50-90A
			KCB2	14V 55-105A
			LI-E	14V 55-110A
			NCB1	14V 70-120A
			NCB2	14V 90-150A 12/24 Volt




	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JAAX 5-8</b> <b>P/N 0 1907 1</b> 1-JAA 5	Denso			12 Volt
			21660-040/060	10 x 5 x 20/18,5	
	1-JAA 8		21660-090/160		
			21660-050/080	10 x 5 x 20/18,5	
			21660-100/170		
		Hino	6-303-3106-90		
			6-303-3107-0		
		Isuzu	9-8221-1692-0/-1693-0		
			9-8221-2114-0/-2115-0		
			9-8221-2138-0/-2139-0		
	Toyota	27371-30010/-46030			
		27371-50020/-77010			
		27377-30010/-31010			
		27377-46030/-77010			
	<b>JAAX 9</b> <b>P/N 0 1900 1</b> 2-JAA 9	Denso			021000- .... 100211- .... 101211- .... 121000- .... 27020- .....
			21660-0130	8 x 5 x 18/16,5	12 Volt
		Daihatsu	27371-31011/-87202		
		Hino	27371-1010		
			2737B-31011/-87202		
			6-303-3114-20		
		Honda	31105-611-005		
			31144-516-004		
		Isuzu	9-8221-1891-0/-1791-0		
			9-8221-2124-0		
		Mazda	0727-24-542		
			1304-24-542		
		Mitsubishi	K437128-1		
			MD604018		
			ME021981		
	Subaru	39511-0802			
	Suzuki	31631-31011/-55011			
	Toyota	27371-31011			
	<b>JAAX 10</b> <b>P/N 0 1899 1</b> 2-JAA 10	Denso			12 Volt
			21660-0320	8 x 5 x 17,6	
		Honda	31144-671-004		
	<b>JAAX 28</b> <b>P/N 0 1917 1</b> 2-JAA 28	Denso			100211-0071, -0081, -0280, -0790 LR1100-502, -B-H, LR1100-503, -A-F, LR1100-504C, -E, LR1100-505, -B, -E, LR1110-502, -B, -C, -F, LR1110-503, -B-F, LR170-509C, -E, -F, -G, -H
			21660-0330	8 x 5 x 22,5/20,3	12 Volt
		Daihatsu	27371-44070		
		Toyota	27371-44070		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.			
	<b>JAAX 33</b>	Denso	8 x 5 x 28,5/26	12 Volt			
	<b>P/N 0 1913 1</b>						
	2-JAA 33	21660-0311 21660-0530					
	Daihatsu	27371-56070-000 27371-87701-000					
	Hino	27371-1160A 2737B-56070					
	Isuzu	5-81215-018-0					
	Mazda	V101-24-542					
	Mitsubishi	ME702997					
	Toyota	27371-54412 27371-56070 27371-56071					
		<b>JAAX 35</b>			Denso	7 x 5 x 15	100210-3210, -3381, -3410, -3470, -3480, -3780 100211- .... 101211- .... 102211- .... 104210- .... 121000-3300, -3380, -3390, -3400, -3442, -3452, -3470, -3510, -3520, -3521, -3600, -3660, -4000, -4070, -4120, -4160, -4161, -4170, -4280, -4320, -4330, -5490 421000-0021, -0081, -0082, -0083 12 Volt
<b>P/N 0 1915 1</b>							
2-JAA 35		21660-0390 21660-0510					
Daihatsu		27370-87302-000 27371-63020-000 27371-87501-000 27371-70300-000					
GM		94123056 96054118					
Hino		021660-0390 021660-0510					
Honda		31144-PD1-0040 31144-PD1-0030 31150-PR7-AO1 31150-PTO-003					
Isuzu		8-94123-056-0 8-94139-014-1 8-97032-308-0 8-97032-310-0					
Komatsu		021660-0390 021660-0510					
Mazda		021660-0390 021660-0510 KL47-18-W75					
Mitsubishi		MD604474					
Subaru		021660-0390 021660-0510					
Suzuki		31631-82610 31656-82611					
Toyota		27370-42010 27370-75060 27371-63020 27371-70300 27371-72161 27372-63020					
		<b>JAAX 38</b>	Denso	8 x 5 x 22/19,5	12 Volt		
		<b>P/N 0 1919 1</b>					
		2-JAA 38	21660-0370				
		Toyota	27371-44071				

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JX 22</b> <b>P/N 0 1410 1</b> 2-J 22	Fiat  4110852-74996331	6 x 16,5 x 20,5	DSV90/12/16/3 12 Volt
	<b>JX 26</b> <b>P/N 0 1413 1</b> 2-J 26	Fiat Fiat Marelli 4136135 74996101	6 x 16,5 x 20,5	D90/12/16/3E,F DC90/12/8/3 12 Volt
	<b>JX 30-31</b> <b>P/N 0 1415 1</b> 1-J 30/J 33  1-J 31	Fiat Fiat Marelli Fiat Marelli  4190088,4297856 74995241 4190090 74990451  Brush Holder: 74990431	8 x 5 x 16/14,5  8 x 5 x 16/14,5	A12M-124-12-42/-42B/-42M/-42X/-47/-57B A12M-124-24-26/-26D/-26M A124-14V-44A/-60A A124-28V-26A 633 030 00,01,30,41,61 031 20,30,40,50,91 032 00,13,20,22,23,40,80,82,90 033 20,31,50,60,80,91 034 00,09,20,29 035 00,20,30,50,70 040 03,20,23,40,50,75,79,81-83,87,90 041 00,20 042 01,21,31 048 00,30,40,70,80,90 12/24 Volt
	<b>JX 32</b> <b>P/N 0 1417 1</b>  2-J 32	Fiat Marelli  Fiat Marelli 4274790 74992271  4274791 74992281,79703271	8 x 5 x 15,5/14,3	A108-14V-33A AA108-14V-33A 12/24 Volt
	<b>JX 42</b> <b>P/N 0 1433 1</b> 2-J 42	Fiat Marelli 7970502.1-7970745.1	7,2 x 4,2 x 17,5/16	AA125E-14V-65A AA125R-14V-45A/-55A/-65A/-70A AA125R-28V-30A/-35A 633 200 01-08,10,12,13,15-18,20-32,34,35,37,40,42, 44-58,60,63,73,82,83,91,94,96,97 201 00,02,05,10-14,18,19,21,22,26-32 210 00-11,13,15-17,19-25,27-29,31,33,35-37, 39-42,44-50,52,55,56,58-63,67,68,70-73, 77-80,82-84,86-88,90,91,95-99 633 211 00-14,16,17,23,26,29,36-38,41,46,49-59, 61-63,65,67-76,80,81,83,88-91,96-99 12/24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JX 43</b>	Fiat	7 x 4 x 22/20	A 115IR -14V-85A
	<b>P/N 0 1434 1</b> 2-J 43	54202906		A 127IR -14V-45A/55A/65A/70A A 127IR -14V-85A/100A A 127IM -14V-100A A 127IR -14V-85A/100A regulator Lucas 000 28 000,001,002,006,019 regolatore Marelli 836 142 51 RTM24TR
				540 220 53,54,57,58 221 30,42,47,48,60,64,67,83,86-88,95-98 222 00,12,19,24-28,32,34,36,38,41-43,51,62, 64-66,75,80,81,86,90,91,95 223 01,07,10,13,14,17,18,22,23,30,35-37, 40-42,48,49,53,74,75,77-79,82-85,88-92, 94,95,97,98 540 224 02,08,10,15,18-20,25,26,28,31,32,36,37,39, 45-47,50,52,58,59,74,81,83,95 540 225 10,14,17,25,28-32,36,52,54,55,60,61,64,67, 70,72,74,75,78,80-86,88-93,95-99 540 226 00-04,08,11,17,21-39,41-43,46-56,62-65,68, 73-84,86,87,89,90,92-96,98 540 227 06 632 212 27,29,31,32,37,41,45,46,53,99 213 13,97 214 05,06,12 633 241 45,57,58,61,88,98,99 242 00,02,05,06,08,09,16,17,20,21,30,31,33,35, 40,42,45,56,57,60,62,64,71,73,74,76,77,86, 88-91,93-96,98,99 243 08,11,16,18,22,27,32,34,38,74,80,84,85,87, 90,98,99 244 00,02-04,06-09,11,18 12 Volt
	<b>JX 44</b>	Fiat	7 x 4 x 19/17,5	AA 115IR -14V-55A/65A/75A/85A
	<b>P/N 0 1435 1</b> 2-J 44	Marelli 836 225 20		AA 125IR -14V-85A AA 127IM -14V-85A/100A/120A AA 127IR -14V-85A/100A AA 125RI -14V-55A/65A AA 125RI -28V-30A regulator Lucas 540 226 69 regolatore Marelli 836 159 21 RTM150B, 836 171 81 RTM153B, 855 612 91 RTM151B, 855 620 61
				633 212 00,04,05,33-35,40,52,61,70,75-78,80-83,87,92 213 00,10,11,15,16,21,28,30-33,40,43-47,49,51-55, 61,62,67,90,91,96,98 214 01,02,18,19,23,26,31,53,61,62,65,66,73 216 00-13,15-18,20,25,26,29-32,40,41,55,60,61, 63,71 412 40 413 21,33,43-47,51-54 414 66 416 41,71 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>FX 67</b> <b>P/N 0 1526 1</b> 2-F 67	Ford-Visteon  Brush-Box F1DU-10260-AA F1DZ-10347-A	7,5 x 4 x 18	3G-series / Mondeo Diesel 12 Volt
	<b>FX 68</b> <b>P/N 0 1222 1</b> 1-F68 1-F68	Ford-Visteon Brush Set with springs  blue insulation red insulation	8,2 x 4,5 x 17.3 8,2 x 4,5 x 17.3	1S7T-10300-BA,BC,CB,CC,CD,DB,DC,DD 2S6T-10300-AA,FA 2T1U-10300-AB,AD,AF,AG,CA,CB,CF 3S6T-10300-AA TC10-10300-EA YC1U-10300-EA 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JAAX 12</b> <b>P/N 0 1901 1</b> 2-JAA 12	Hitachi	L119N-1361	8 x 6 x 19	12 Volt
		Hino Isuzu Nissan	6-403-3127-80 9-8221-2104-0 23135-14800/-73500		
	<b>JAAX 19</b> <b>P/N 0 1906 1</b> 2-JAA 19	Hitachi	L123-1326 L125-2326 L130-1327/-7326 L130-7327 L135-1326 L135-1332	7 x 6 x 16,5	LR145-701 LR160-707, -708, -709, -710 LR170-701, -B, -702B 12 Volt
		Hino Honda Isuzu Nissan Subaru	6-403-3119-90 31133-568-005 31134-568-005 9-8221-1609-0/-1687-0 9-8221-2105-0 9-8221-2108-0 9-8221-2120-0 9-8221-2130-0/-2131-0 9-8221-2133-0/-2149-0 9-8221-2150-0/-2151-0 9-8223-1803-0 1-33720-0630 1-33740-0130 1-33740-0150 1-33740-0270 1-33740-0280 1-81215-003-0/-006-0 5-81215-005-0/-041-0 23135-16500/-16501 23135-21000/-21001 23135-21605 23135-61200 23135-65000/-65001 23135-90010 23135-90011 23135-95000 89511-6101 89517-6101		
	<b>JAAX 20</b> <b>P/N 0 1905 1</b> 2-JAA 20	Hitachi	L120-5326/-5327 L120-13262 L125-13251/-13261 L125H-1326/-1327 L130F-5326 L135-6326 L135N-1301 L150-13251/-13303/-13502 L150-73251/-73301 L150N-13261 L160-13301/-13302 L180-1335 L1401-1330	7 x 5 x 18/16,5	LR135-105, -107, -115, -116 -124, -126, -127, -128 LR135-58, -74, -91, -95 LR140-128, -132 LR145-701GA, -GB LR150-100, -101B, -140, -151, -190, -191, -199, -200, LR150-30B, -31, -52, -53, -58, -98 LR155-15C, -18, -29 LR160-104, -109, -116, -121, -124 -130, -137, -138, -170, -171 LR160-42, -43B, -51, -55, -57, -77, -78, -82, -84, -93, -710 LR165-708, -B LR170-01, -02, -10, -701, -738E LR180-03C, LR190-704, -711 12 Volt
		Isuzu Komatsu	1.81215-018-0/-021-0 5-81215-007-0/-008-0/-009-0 5-81215-012-0/-013-0/-040-0 5-81217-004-0/-009-0 5-81218-014-0 8-94361-721-0 9-8223-1617-0/-1618-0 9-8223-1604-0 9-8223-1687-0 1-337040-0450		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	Nissan	23133-79500 23133-C6500/-N3300/-P0100 23133-U0101/-U0705 23134-61500 23134-L6000 23135-01B00 23135-06800 23135-61500 23135-99000/-99001/-99004/ 23135-99005/-99008 23135-E3200/-E3201/-N3300 23135-P0100/-P2500/-U0104 23142-06800 23142-20W00 23142-B9800 23142-Q4601		
	Subaru	39526-2511 39533-2511 49526-7001/-7101/-7301 49574-7301/-7601 89511-6111 89517-6111		



**JAAX 32**  
**P/N 0 1912 1**  
2-JAA 32

Hitachi

L150-23251-23252  
L150-43301-83251  
L150M-13251-13261  
L160-33152  
L225-13251,13261,23321  
L240-13251,13261  
L290-1325

7 x 5 x 21,5/20,5

LR140-130P, -402, -408, -415  
LR150-135, -136B, -136C, -136E  
LR150-192, -193, -201, -204, -206,  
-212, -401, -401C, -402, -402C,  
-410C, -410CA, -410F, -419,  
-421, -421C, -423, -428S, -430C,  
-430S, -430T, -431, -432, -439,  
-441, -441C, -441E, -442, -444B,  
-448, -450B, -79  
LR155-16B, -16P, -410, -414  
LR160-107B, -108, -108B, -131, -144,  
-151, -154, -164, -401, -401C,  
-412, -412B, -412F, -417, -422B,  
-426, -426S, -426T, -427C, -427T,  
-440, -440F, -441, -441F, -442B,  
-442C, -442E, -442F, -446, -446B,  
-446C, -446E, -449, -450, -451D,  
-452D, -67B, -67C, -67E, -727, -96,  
-96B, -96C  
LR170-22, -402, -402C, -402E, -404, -404B  
12Volt

Isuzu

5-81215-022-0/-023-0  
5-81217-023-0  
8-94156-593-0  
8-94223-966-0  
8-97037-173-0

Mazda

1456-24-532/-539  
S203-24-532  
RF01-24-532

Nissan

23134-61501  
23135-61501  
23135-W1700  
23134-Z9000  
23135-Z9002  
23135-99010  
23142-80W00  
23142-V2800/-V6600/-W1700  
49574-7101

Subaru



**JAAX 37**  
**P/N 0 1918 1**  
2-JAA 37

Hitachi

L170-2325/-4325  
L180-1325  
L1110-1325


8 x 5 x 26,5/25

12 Volt

Nissan

23142-1P000/-19V01/-50Y05  
23142-60U00/-64J00




IKA-No.	Original	References	Dimensions mm	Unit-Nos.
 <p><b>JAAX 39</b> <b>P/N 0 1920 1</b> 2-JAA 39</p>	Hitachi	L170-1325	8 x 5 x 18	12 Volt
	Isuzu Nissan Subaru	8-9446-2850-0 8-9446-2850-0 23735-KA000		

# KOHLEBÜRSTEN CARBON BRUSHES

# LUCAS

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LAX 9</b> <b>P/N 0 1550 1</b> 2-LA 9	Lucas	227305 USB 103 227304,261483	6,35 x 19,05 x 15,9	C39P,PV,V,ZV,XV
	<b>LAX 23</b> <b>P/N 0 1553 1</b> 2-LA 23	Lucas	227541 USB 104 229252	5,5 x 19,05 x 18,2	C40PV,-1 22700,03-5,13,15,16,18,19,32,33,35,42,44,47-49, 55,57,63,65-67,71,72,75,79,80,85-91 12 Volt
	<b>LAX 29</b> <b>P/N 0 1558 1</b> 2-LA 29	Lucas	54216361 USB 106 54214342,5421845	5,5 x 17,4 x 23	C40-T,22762 22756,58,61,62,64,69,83,92 12 Volt
	<b>LAX 31</b> <b>P/N 0 1560 1</b> 2-LA 31	Lucas	54218706 ULB 108	4,6 x 4,6 x 12,7	15AC,16AC,17AC 23544,48,95
	<b>LAX 31-32</b> <b>P/N 0 1561 1</b> 1-LA 31 1-LA 32	Lucas	54219368 ULB 110	4,6 x 4,6 x 12,7 4,6 x 4,6 x 12,7	15ACR,16ACR,17ACR,18ACR 23562,63,65-70,72,73,75,76,81-85,89-93,97-99 23600,2-6,9-20,22-27,29-32,34-56,58-68,73-80, 82,85-87,90-99 23700-9,11-19,21-23-31,34-43,45-48,50-71, 73-86,93-99 23800-20,22-28,30-33,35,37-57,59-65,67-69, 71-74,76-86,88-99 23900-58,61-64,67,68,72-74,80,87-95 24012-19,22,29-33,44,45,48,73 24103,8,39,40 12 Volt
	<b>LAX 82</b> <b>P/N 0 1570 1</b> 2-LA 82	Lucas	54202906 w/o. spring and terminal  replacement brush set for  alternative set for	7 x 4 x 22/20   LAX 80-81, LAX 80-83, LAX 84-85 LAX 86	A127 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LAX 86</b> <b>P/N 0 1573 1</b> 2-LA 86	Lucas	7 x 4 x 23	A127 12 Volt
		54390877		





IKA-No.      Original      References      Dimensions mm      Unit-Nos.





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**JA-AX 40**      Mando Melroe  
**P/N 0 1908 1**  
2-JAA 40




AR150CA  
12 Volt  
6,5 x 4,5 x 13,7/15

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JAAX 15</b>	Melco			12 Volt
	<b>P/N 0 1904 1</b> 2-JAA 15		A648C01371	7 x 6 x 14,5 / 13,5	
		Mazda	4002-24-552		
		Nissan	23135-73010		
	<b>JAAX 16</b>	Melco			12 Volt
	<b>P/N 0 1902 1</b> 2-JAA 16		A648C00570	7 x 6 x 14	
		Mazda	0208-24-522 2994-24-552		
		Mitsubishi	MD602458		
		Nissan	23135-14610-/-21010 23135-76200/-H0110		
	<b>JAAX 24</b>	Melco			12 Volt
	<b>P/N 0 1910 1</b> 2-JAA 24		A647X00771,-10771 A648D01071 A648D01670,-01671 A648D02070,-02271 A649X04070	7 x 6 x 19,5 / 18,5	
		Citroen	JMTX 200		
		Mazda	0866-24-541 1011-24-541 8028-24-541 8173-24-522		
		Mitsubishi	MD602783 MD607373		
		Nissan	23135-P4510 23135-W7110 23137-Z9000 23137-Z9001		
		Peugeot	JMTX 200		
		Suzuki	31631-78432		
	<b>JAAX 25</b>	Melco			12 Volt
	<b>P/N 0 1911 1</b> 2-JAA 25		A648C00471 A648C01270 A648C01271 A648C01570 A648D01070 A649T02971	7 x 6 x 18 / 17	
		Mazda	0290-24-556 0326-24-556 0706-24-556 0866-24-541		
		Mitsubishi	MD602018 MD602019 MD602226 MD602750 MD602797		
		Nissan	23135-A5510		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JAAX 31</b> <b>P/N 0 1909 1</b> 2-JAA 31	Melco	A648D01970 A648D01971	7 x 6 x 23	12 Volt
		Mazda Mitsubishi	8599-24-522 ME700424 ME701186 MM502377 42752-03021		
		Nissan	23135-J5500 23135-W1710		
	<b>JAAX 34</b> <b>P/N 0 1914 1</b> 2-JAA 34	Melco	A648C02970 A648D02570 A648D02571	8 x 5 x 18 / 16,5	12 Volt
		Mazda	B675-18-W77 FE65-24-522 F811-18-W77		
		Mitsubishi	MD611035 MD611566		
		Nissan Subaru	23135-13E10 49574-6404		
	<b>JAAX 36</b> <b>P/N 0 1916 1</b> 2-JAA 36	Melco	A648D02770 A648D03070 A990D03070	8 x 5 x 23 / 21,5	12 Volt Renault A4T ...
		Mazda	FE2H-18-W77 JE15-18-W77		
		Mitsubishi Nissan	MD611689 23135-59E10 23135-64J12 23135-V5511		
	<b>JAAX 36 ST</b> <b>P/N 0 1903 1</b> 2-JAA 36 ST	Melco	A647X50170 A647X50270 A647X50870 with spring and terminal	8 x 5 x 23 / 21,5	12 Volt







# KOHLEBÜRSTEN CARBON BRUSHES

# PAL MAGNETON



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PLX 5</b> <b>P/N 0 1688 1</b> 2-PL 5	Pal Magneton	ID 1924	7,9 x 7,9 x 21	D 355-56 12Volt / 100W
	<b>PLX 10</b> <b>P/N 0 1692 1</b> 2-PL 10	Pal Magneton	443 930 132 780	6,3 x 6,3 x 15	12 Volt
	<b>PLX 11</b> <b>P/N 0 1693 1</b> 2-PL 11	Pal Magneton	0131747	5 x 8 x 17	443 113 516,620, 631,632,650 Skoda Favorit 12 Volt






# KOHLEBÜRSTEN CARBON BRUSHES



# REMY

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 103</b> <b>P/N 0 1266 1</b> 2-R 103	Remy	1942360, 1971523  Brush holder: 1971521	8 x 5 x 13,2	10 SI, 27SI 12 Volt
	<b>RX 103 E</b> <b>P/N 0 1268 1</b> 2-R 103 E	Remy	7 982 543  Brush holder: 7982589	8 x 5 x 13,2	7982574,75 7982600,1,4,5,48,52,74,75,98,99 7982703-5,7,10,17,20,21,28,38-45, 747-53,58,59,62,63,66,78,87, 7982811,12,22,54,56,57,64,65,72-75,80 7982952,53,80,81,86,88 12 Volt Vauxhall 12 Volt
	<b>RX 103 F</b> <b>P/N 0 1267 1</b> 2-R 103 F	Remy	DR701,702  Brush holder: 3472316,19	8 x 5 x 13,2	34 72 002,4,8,14,18,22-24,26-28,32,33, 035,37,38,42,48-53,57-62,65-68 Opel 12 Volt
	<b>RX 106</b> <b>P/N 0 1269 1</b> 2-R106	Remy	  Brush holder: 187 6873	8 x 5 x 24	27 SI 200 12 Volt
	<b>RX 117</b> <b>P/N 0 1270 1</b> 2-R117	Remy	1995564, 10467935, 1894564  Brush holder: 1894559	6 x 5 x 22	10 SI 116,136 15 SI 116 12/24 Volt
	<b>RX 132-133</b> <b>P/N 0 1290 1</b> 1-R132 1-R133	Remy	1989661 1989660  Brush holder: 1989651	8 x 5 x 22,5 8 x 5 x 22,5	CS 121,130,144 1101196,1199,1551 3472171 12 Volt Opel, Renault



IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<p><b>RX 140-141</b> <b>P/N 01263 1</b> 1-R140 1-R141</p>	<p>Remy</p> <p>Brush holder: 10475746</p>	<p>8 x 4,5 x 22 8 x 4,5 x 22</p>	<p>CS 130D latest model 10479214, 15 10479981, 84 10480052, 71, 187-190 12 Volt Opel, Chevrolet, Saab, Vauxhall</p>
	<p><b>RX 142-143</b> <b>P/N 0 1261 1</b> 1-R142 1-R143</p>	<p>Remy</p> <p>Brush holder: 10475011</p>	<p>8 x 4,5 x 22 8 x 4,5 x 22</p>	<p>CS 130D 10479914, 23, 47, 55 3493947 12 Volt Opel, Chevrolet, Saab, Vauxhall</p>

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PX 50</b> <b>P/N 0 1710 1</b> 2-P 50	Valeo Paris Rhone 073742, 182231 IP9	7 x 5 x 14	A13R3L,07,8,10L,T,11L,LT,12LT,13L,LT,14LT,15, 17L,LT,18T,20-22,24,26,28,29,30L,32L, 34L-45L,46LT,47LT,48,49LT,50LT,51L,52,53 54L-58L,59,60,61L,LT,62L,64L,65-70,71L, 72,75-77,79,91L,LT, 108-110,111L,LT,122,130,168,181 A16R17,20,20T,21T,22,23T,25,26,36T-39T,44T-46T, 49T,53T,57T,59T,60T 6-24 Volt
	<b>PX 52-54</b> <b>P/N 0 1712 1</b> 1-P 52 1-P 54	Valeo Paris Rhone 075411 (8d) 8m84 8m Brush holder: 095788,095984,096026,096334 Replacement for PX 56	7 x 5 x 19 7 x 5 x 19	A11M3-7,9-14 / A11R1-3 A12M1-3,5-10,18 A12R1-6,8-14,19-21,23,26-28,47-49 A13M2-9,11-17 A13R63,073T,74,78T,80T-90T,92,95-99, 104,105,115-117,119-121,123-129, 131,134,135T,136-138,139T,140,141, 143-145,149-154,156,157,159,160, 162T,163T,166,167,169-172T,174-180, 183-191T,194-196,198,199,202,205, 210,212,213,215,219,223-225,235, 261,265 12/24 Volt
	<b>PX 58</b> <b>P/N 0 1717 1</b> 2-P 58	Valeo Brush holder: 300665, 300682	10 x 5 x 17	A13N4T,5T,11,21T,22T,61T,140T,174,190,255,257 A14N3T,28T,32T,39,104,114T,133,135,138 A14R33,39T 12/24 Volt
	<b>PX 60</b> <b>P/N 0 1719 1</b> 2-P 60	Valeo Brush holder: 300722	6,35 x 4,6 x 15,4	A12R35T,57,58,351T A13N51,69,76 A14N19,37 A14R34T,54T,341T,541T-543T 12 Volt
	<b>PX 61</b> <b>P/N 0 1720 1</b> 2-P 61	Valeo 2546443 Regulator: 593260, 593357	6,4 x 4,6 x 14,2	A14Vi19,20 2541873 2541916 24 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>SVX 7/9</b> <b>P/N 0 1781 1</b> 2-SV 7/9	Valeo 300 796, 300 821  26607,26651,39A40103N, 71930103  Brush holder: Motorola 494487-494489 503001,006-009, 503019,025 Paris Rhone 092859,092967, 300796 SEV 71931093	6,4 x 4,6 x 14,5	Motorola 2518032-452 2940020-930 2941095-447 9AL2502K-6027K 9AR2500K-6095G  SEV 7120,7121,7122,7123,7124... , 7127,7129,7131,7133,7134... , 7142,7147,7149,7152,7159... , 7163,7164,7165,7177,7192... , 7194,7197,7199... ,  Valeo/PR A11Vi A12M9, 11, 15-17 A12R22,24,25,33,34,36,38,43-46,50, 52,53 A13E.. A13N1M,2M,6,7,10,12-15,17-20, 25-27,28M,29-32,33M,34,35M, 36M,38-43,46,47,49,50,52,53, 55M-59M,60T,64,65,66M,80-95,97, 104,106-114,116-121,123-130,133, 136-139,143M,144,146T,147M-149M, 150,151,152M,156-165,166M,167,169, 171-173, 175-183,185,186M,187,188, 236M,283M A13R203,218,220-222,230,231,242-245, 247,278,255,256,258-260,262,263, 266-270 A13V2,5,7 A13Vi... A14N1,2,4,9-14,16,18,22,23,29M,30M,31T, 35,36,38,40,42,50,53-56,59,60,62-65, 67,69-71,73,75-78,80,81M,82-86, 88-93,95,97,99,100M,101-103,106, 107,110M,113,115M-119M,121, 122M,123-125,128,130-132,134, 137,140,141M,142,151,196M, 206M A14V... A14Vi10,11,13-18,22-25,27-31,35  12/24 Volt
	<b>SVX 10</b> <b>P/N 0 1782 1</b> 2-SV 10	Valeo 2521679E	6,4 x 4,6 x 14,5 flex section 0,5 mm <sup>2</sup> flex length 80 mm	A13V/Vi A14V/Vi 12 Volt
	<b>UX 82-83/0</b> <b>P/N 0 1323 1</b> 2-U82-83/0	Valeo  w/o. spring and terminal  replacement for Brush-Sets UX 79-80, UX 82-83, UX 85  limited stock	6 x 4.5 x 15	12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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**UX 87-88/0**  
**P/N 0 1327 1**  
2-U 87-88/0

Valeo

12 Volt

w/o. spring and terminal

7 x 4 x 15

replacement for Brush-Sets  
UX 84, UX 87-88, UX 87-89,  
UX 90, UX 90-91, UX 92, UX 93,  
UX 94, UX 95, UX 96

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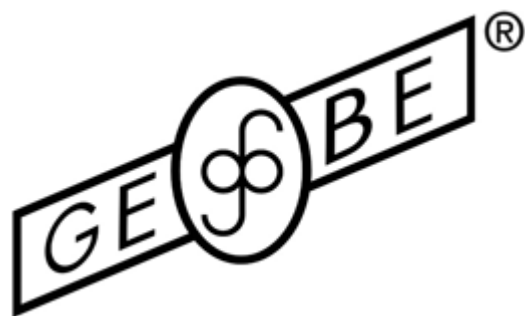
# 11


BÜRSTENHALTER / REGLER

BRUSH BOXES / REGULATORS

PORTE-CHARBONS / REGULATEURS







	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b> 	1 4200 1	Bosch	F 00M 144 101, 103, 104, 119, 120 F 00M 145 246, 297, 338 F 00M A45 251	0 120 000 019 0 124 555 005, 006, 009, 010, 017, 018, 020, 027, 028, 030 0 124 655 005, 006, 008, 012, 013, 014, 019, 030, 033 24V
		DAF	1450808, 1624197, 1687115	
		IVECO	42537055	
		Renault Trucks	7420523391	
		Volvo	20523391	







IKA-No.	Original	References	Unit-Nos.
7 7607 1	Denso Honda	021620-3020 31105-RAA-A1	100-170A ER/IF











IKA-No.	Original	References	Unit-Nos.
7 7166 1	Ford-Visteon	F1DU-10260AA F1DZ-10347A	3G - series Ford Mondeo Diesel
			
7 7605 1	Ford-Visteon		1S7T1-10300-BA,BC,CB,CC,CD,DB,DC,DD 2S6T-10300-AA,FA 2T1U-10300-AB,AD,AF,AG,CA,CB,CF 3S6T-10300-AA TC10-10300-EA YC1U-10300-EA Visteon 2015001010  Ford Connect, Focus, Mondeo
			

IKA-No.	Original	References	Unit-Nos.
7 7160 1	Remy	DR 701 3472316,-319	3472002,004,008,014,022-024, 3472002,026-028,032,033,035, 3472002,037,038,042,048-053, 3472002,057-062,065-068 Opel, Vauxhall
			
7 7162 1	Remy	10472881 10473364 10490180 1989651	1101196,199,551 CS 121, CS 130 Opel, Vauxhall
			
7 7163 1	Remy	10475011	3493947 10479914,23,47,55 CS 130D Chevrolet, Opel, Saab, Vauxhall
			
7 7164 1	Remy	10475746	10479214,15 CS 130D latest model
			
7 7174 1	Remy	1894559	10SI 1102918,1102922
			
7 7177 1	Remy	10492749	22SI
			



IKA-No.	Original	References	Unit-Nos.
	Valeo	599241	FG18S012 / -016 / -040 FG18S044 / -056 / -077 / -078 12V
	Mercedes	A0041541706	
	Valeo	599101	TG17C010 / -011 TG17C048 12V
	BMW	8510092-01	
	Valeo	599102 593983	TG17C016 / -021 TG17C027 / -034 / -035 12V
	BMW	8510090-01	
	Valeo	593434 593446	SG12B040 SG12B054 SG12S019 SG15S032 SG9B054 12V
	Fiat	9949256	
	Valeo	593689 593535	TG8S017/-025 TG9B047/-052/-053 SG9B053/-089/-108 TG11C010/-011/-022/-027 TG11C034/-049/-061/-062/-063/-064 SG12B052/-055/-071/-072/-081/-096/-097 SG12B103/-105/-107/-109/-110/-122/-123 TG12C091/-092/-094/-151/-198/-199 TG15C058/-137 FG15T050 12V
	Renault	7701057359	
	Valeo	593779	SG15L012 SG15L026 12V
	Mercedes	A0031543906	

IKA-No.	Original	References	Unit-Nos.
	1 4006 1	Valeo 593780 593873	SG12B062 TG15C018/-098 12V
	1 4007 1	Valeo 593793 BMW 7797662-01	TG15C012/-038/-064 12V
	1 4008 1	Valeo 593771	SG11B010 SG14B017 12V
	1 4009 1	Valeo 595354 593857 Fiat 77364873	TG9B026/-028/-044/-045/-066/-067 TG10B013/-024 TG15C020/-022/-023/-028/-053/-054/-060 TG15C112/-118/-119/-127/-134/-154/-156 SG15S031 FG18S017/-048 12V
	1 4010 1	Valeo 595458 593987 591800 VAG 059903803G	TG16C012/-014 TG17C020/-022/-023/-024/-039/-040 TG17C044/-054/-056/-065/-072 12V
	1 4011 1	Valeo 593970 Mercedes A0031544806	TG15C121 TG15C057 12V

	IKA-No.	Original	References	Unit-Nos.
	1 4012 1	Valeo Mercedes	595243 A0031546406	TG17C028/-030/-032/-041 12V
	1 4013 1	Valeo Fiat PSA Suzuki	593532 77363273 5761C2 32500-68D01	SG15S016/-018 SG15S021/-022 TG15C115/-116 12 V
<b>NEW</b> 	1 4014 1	Valeo	593941 with Cover+Screws	SG12B010/-011/-012/-015 SG12B016/-018/-021/-022 12 V
<b>NEW</b> 	1 4015 1	Valeo BMW	593347 1713839-01	A14VI22/-26/-28/-29 A14VI52/-53 12V
<b>NEW</b> 	1 4016 1	Valeo BMW	595464 7603776-01	FG23S010/-011/-032 FG23S040/-043/-054 12V
<b>NEW</b> 	1 4017 1	Valeo Ford	599121 with Cover+Screws+Cable	TG7S012/-017 TG9C013/-095 TG12C015/-110 12V

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	1 4018 1	Valeo	599340	TG14C019/-022/-028 TG14C031/-035/-037 TG14C039/-044 12V
				
<b>NEW</b>	1 4019 1	Valeo	599386	FG12S031 TG12C065/-066/-069/-070 TG12C076/-105 12V
				
<b>NEW</b>	1 4020 1	Valeo	593666	SG15L020/-023/-027 SG15L033/-034/-035/-036 12V
				
<b>NEW</b>	1 4021 1	Valeo VAG	595339 06E903803M	TG16C011/-013 TG17C019/-062/-066 12V
				
<b>NEW</b>	1 4022 1	Valeo	593993	TG7S010, -11, -13 TG7S014, -24, -25 TG7S043, -064, -65 12V
				
<b>NEW</b>	1 4023 1	Valeo	595253	TG10B025 TG11C040, -41, -54 TG11C055, -56, -60 TG11C065, -66, -68 TG11C069 12V
				

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	1 4024 1	Valeo BMW	599095 8510088-01	FG18S011, -19 FG18S052, -60 12V
				
<b>NEW</b>	1 4025 1	Valeo VAG	599237 059903803N	FG20S015, -16, -17 FG20S018, -19, -22 12V
				
<b>NEW</b>	1 4026 1	Valeo VAG	599233 03L903803C	TG14C018, -20, -41 TG14C043, -46, -49 TG14C054 - 60 TG14C067, -71 12V
				
<b>NEW</b>	1 4027 1	Valeo VAG	599234 06E903803T	TG14C042, -47 TG15C094, -95 TG15C144, -145, -149 TG15C190, -196 12V
				
<b>NEW</b>	1 4028 1	Valeo VAG	599236 06H903803C	FG18T063, -79 FG18T084, -101 FG18T119 - 123 12V
				
<b>NEW</b>	1 4029 1	Valeo BMW	599149 7615483-01	TG12C059 TG12C120 12V
				

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	1 4030 1	Valeo BMW	593423 755115300	SG9B029 SG12B029 SG12B039 SG14B019 12V
				
<b>NEW</b>	1 4031 1	Valeo MB	593975 A 000 315 447 06	TG11C035 TG11C074 12V
				
<b>NEW</b>	1 4032 1	Valeo Ford Volvo	599182 BA-6T10-316-AA 30659440	TG12C037, -038, -107 TG15C103, -152 FG15T045 FG17T010 12V
				
<b>NEW</b>	1 4033 1	Valeo	599240	TG15C135, -189, -195 TG15S205 12V
				
<b>NEW</b>	1 4034 1	Valeo	599316	SG8B010/-027/-029 SG9B010/-011/-059/-069/-078/-087/-088/-095 SG12B010/-011/-012/-049/-090 SG14B011/-022 TG11C014/-015/-016/-017 TG11C048/-057/-067/-073/-086/-096/-131 TG14C011/-012/-014/-015/-016/-023/-025 TG14C034/-036/-040/-068 TG15C017/-043/-048/-065/-165 12V
				



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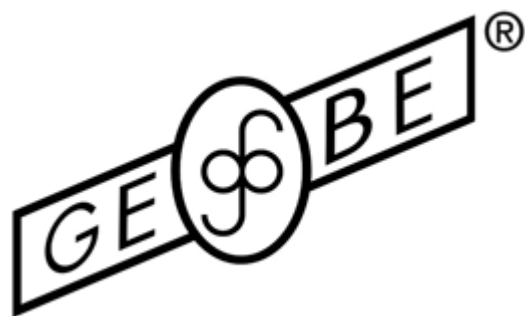
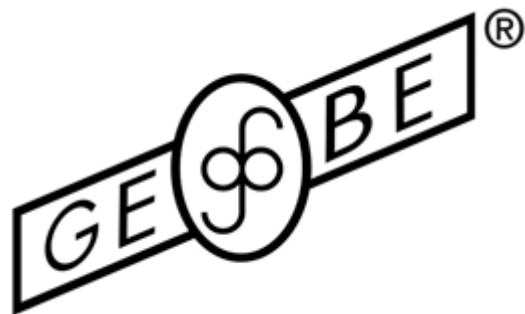
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SCHLEIFRINGE







SLIPRINGS

BAGUES COLLECTRICES





# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2001 0	BOSCH Iskra Lada Marelli	1 124 304 007,009,011 1 124 304 022	17/32 x 22.3 mm	0 120 400 ... 0 120 489 ...
				
1 2002 0	BOSCH Iskra	1 124 303 000-005,009-013, 015,017,021,022, 024-033,035,038, 1 124 304 015 6 033 GD2 065,066	17/28 x 22.1 mm	0 120 300 510-519,522, 0 120 400 ... 0 120 469 ... 0 120 488 ... 0 120 489 ... 6 033 GB3 ...
				
1 2004 0	BOSCH	1 124 304 018	20/32.7 x 22.3 mm	0120 689 503,505-508, 510-514
				
1 2039 0	BOSCH	Compact Generators internal fan	7/14 x 52.1 mm	0 120 335,465,485... 0 123 ... 0 124 ...
				
1 2051 0	BOSCH	F 00M 502 700 Rotor No.: F 00M 571 600	5,05/13,69 x 8.0 mm	0125 711 017, - 059
				
1 2083 0	BOSCH	Rotor No.: F 00M 312 012,027 F 00M 322 037,056	5.13/13.5 x 42.3 mm	0 121 615 001-003,005-009,012, 014,021,027,028,044 715 001
				

# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2030 0	DENSO	slip ring w/o. leaders	9/14.9 x 24 mm	101211-2370 102211-2780 internal fan
				
1 2047 0	DENSO Valeo	slip ring w. 2 leaders	7.9-8.75/14.9 x 24 mm	100211-0120,1331,1371,2151, -2200,3600,3800,3880, -4350 A13Vi 178,-202,-237
				
1 2049 0	DENSO Valeo	Copper Ring	13.1/15.8 x 9.8 mm	fits 1 2030 0 and 1 2047 0 fits 1 2020 0 and 1 2043 0
				
1 2050 0	DENSO FORD	slip ring	5,95/14,50 x 8,5 mm	104210-2780, -3630, -6021 4M5T-10300-KB
				
1 2010 0	FORD-VISTEON	slip ring	13.3/27 x 36.2 mm	3G series
				
1 2082 0	FORD-VISTEON	slip ring	5/14 x 21 mm	1S7T-10300-BB,-BC,-DC,-DD
				






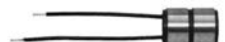
# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2012 0	HITACHI	slip ring	14/27.5 x 29.5 mm	LR170-715B,-716B,-717
				
1 2013 0	HITACHI	slip ring	17/35 x 28 mm	LR135-124
				
1 2096 0	HITACHI	slip ring	17/32.4 x 29.4 mm	LR160-154 LR1100-503,-B,-C
				
1 2040 0	LUCAS	UAB 102,104 54217372	ID 30 L 17 mm slotted type w. clip	ACR 23544,-A,-F,H 23548A,-D,-E 23562,-A,-B,-D 23563A,-B,-D 23565A
				
1 2041 0	LUCAS	UAB 100,101 54160288	9/25 mm	A115, A133 23969A,-B 23970A,-B 23971A 23983A 23984A
				
1 2044 0	LUCAS	slip ring	17/27 x 24 mm	A127 24145,24156-158,24161, 24169,24198-200,24203, 24206-208
				







# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2089 0	LUCAS Marelli	slip ring 83613401	6.8/16.7 x 46.5 mm	A115i,A127i
				
1 2017 0	MELCO	slip ring steel	12.5/23 x 28 mm	A1T ... A2T ...
				
1 2037 0	MELCO Mitsubishi	slip ring copper	12.5/23 x 28 mm	A1T02091,02291,04991, 40391,41291,41991, A2T04474,06577,06871, 42571,42599,43099
				
1 2045 0	MELCO Mitsubishi	slip ring copper	13.6/23 x 28 mm	A3TA0791
				
1 2019 0	MOTOROLA USA Prestolite	112-22 12-22	10/25 x 22.4 mm	8LHA, LHB 8SA, SC MA12NDM451
				
1 2021 0	MOTOROLA	512-055	13.3/26 x 25 mm	
				

# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2022 0	MOTOROLA	512-003	18-20/32 x 22.5 mm	
				
1 2023 0	MOTOROLA	512-004	17/32 x 22.5 mm	
				
1 2034 0	MOTOROLA	slip ring	15/26.5 x 22.6 mm	2940304,05,07,09,11, 71,74
				
1 2007 0	REMY	1989640	13.2/26.4 x 23.8 mm	1101196,1199,1551 CS 121,130
				
1 2035 0	REMY	92100510	12/22.5 x 24.4 mm	3472 002,004,008,014,018
				
1 2095 0	REMY	10475751 10479923	7.1/14.7 x 20.3 mm	10480190 CS 130D
				

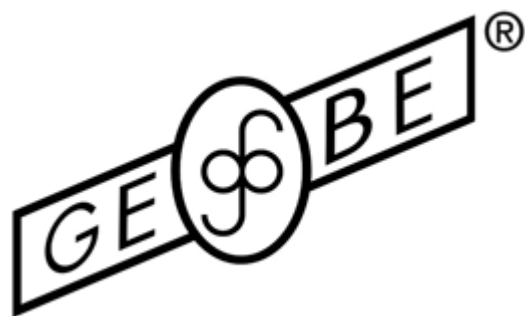
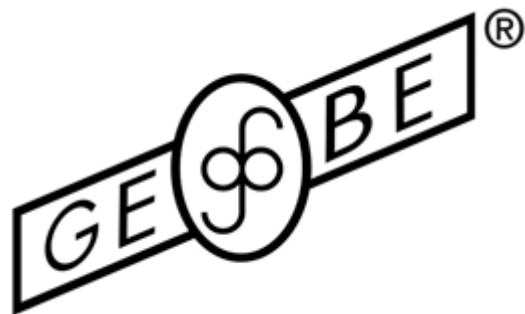
# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>1 2020 0</b> 	VALEO	slip ring O.E.-Style	6.8-8.9/14.9 x 48.3 mm	A11VI..., A13VI..., A14VI..., SG10..., SG11..., SG12..., SG14..., SG15..., SG7..., SG8..., SG9..., TG10..., TG11..., TG12..., TG15..., TG17..., TG7..., TG8..., TG9...
<b>1 2025 0</b> 	VALEO	slip ring	17/30 x 28 mm	A13N,A14N
<b>1 2026 0</b> 	VALEO	slip ring	15/30 x 27 mm	A13N,A14N
<b>1 2027 0</b> 	VALEO	slip ring	17/30 x 27.4 mm	I.C. Alternator Ducellier
<b>1 2031 0</b> 	VALEO Remy	slip ring with 2 leaders	17/30 x 28 mm	I.C. Alternator Ducellier A13N, A14N 15 SI
<b>1 2042 0</b> 	VALEO	slip ring with stronger ground plate	17/30 x 29 mm	A13N, A14N



# SCHLEIFRINGE SLIPRINGS

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>1 2043 0</b> 	VALEO	512006	6.8-8.9/14.9 x 27.8 mm with 2 leaders  O.E.-Style = 1 2020 0	A11VI,A13VI w. internal fan TG11C014
<b>1 2090 0</b> 	VALEO	2523992	17/29.5 x 37.5 mm	A13N2M
<b>1 2091 0</b> 	VALEO	Copper Ring	27/30 x 8.95 mm	fits 1 2025 0 and 1 2026 0
<b>1 2125 0</b> 	VALEO	slip ring 1 2025 0 + Insulator 1 2198 0 slip ring kit with insulator	17/30 x 28 mm	A13N, A14N
<b>1 2198 0</b> 	VALEO	Insulator		fits Slip Rings: LUCAS 1 2044 0 VALEO 1 2025 0 1 2027 0



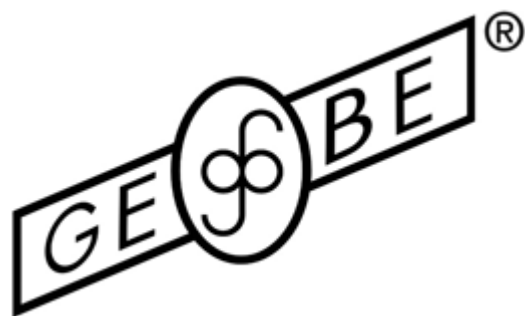
# 13

FREILAUFRIEMENSCHLEIBEN

OVERRUNNING PULLEYS

POULIES ROUE LIBRE D'ALTERNATEURS








# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA




IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3515 1</b> 	Bosch	1 126 601 556 1 126 601 557 1 127 011 843 F 00M 991 397	17 / 61 x 37.2  5 Grooves M16	0 123 310 038 0 123 320 033,036,048 0 123 325 006 KC(R) 70A,90A IA 1254 028 903 026 A,B 028 903 028 L,P	SEAT Arosa 1.7 SDI Skoda Felicia I,-Fun,-Combi 1.9D Pickup 1.9 D VW Caddy 1.9 D Pickup Lupo 1.7SDI Polo 1.7 SDI, 1.9 D
	Iskra VW INA Valeo repl.	028 903 119 AP,-S F-226556.4 / .5/ .6/ .7/ .10 588066			
<b>3 3516 1</b> 	Bosch	1 126 601 559,564 1 127 011 844,845 F 00M 991 388	17 / 61 x 40.95  6 Grooves M16	0 123 310 034,035,039,049 0 123 320 031,032,037,059 0 123 505 018 0 123 510 046, 047,099 0 123 515 018,021 0 123 525 001 KC(R) 70A,90A NC(R) 120A, 150A 028 903 026 D 028 903 028 Q 038 903 023 G,-H,-J 071 903 023,-A 95VW-10300-ABA 98VW-10300-AA,-AB IA 1061,1257	Audi A3 1.9TDI Skoda Octavia,-Combi 1.9SDI, TDI VW Bora 1.6,-Variant/1.8,-T Golf IV 1.9SDI/TDI, 2.3 V5 New Beetle 1.9TDI Sharan 1.8T 20V SEAT Alhambra 1.8 Turbo
	Ford Iskra VW  INA Valeo repl.	16 907 299 028 903 165 A 038 903 119 038 903 165 F-226804 / .4/ .5/ .7/ .08/ .09 588024			
<b>3 3517 1</b> 	Bosch	1 126 601 565 1 127 011 846 F 00M 991 389	17 / 55 x 40.15  6 Grooves M16	0 123 320 038 0 123 515 017,020 KC(R) 70A,90A NC(R) 120A  028 903 026 G 028 903 028 J 6K0 903 028 97VW-10300-EA 1076005 IA 1064	SEAT Alhambra 1.9 TDI, 2.0 i Cordoba,-Vario 1.9SDI, TD, TDI Ibiza 1.9 SDI/TDI Inca 1.7 D/1.9 SDI Toledo 1.9 TDI VW Caddy II 1.7SDI, 1.9TDI Golf III 1.9D, TD, GTD, TDI,-Cabrio Golf IV Carbio 1.9 TDI Passat 1.9 TD / -Variant 1.9 TDI Polo Classic 1.7SDI, 1.9 SDI/TDI Polo Variant 1.7 SDI/1.9TDI Sharan/ Vento 1.9 TDI Transporter T4 2.0/2.4 Ford Galaxy 1.9TDI
	Ford  Iskra VW  INA  Valeo repl.	6M21-10344-AA 95VW-10344-CA,-FA  028 903 119 AA,-AQ 028 903 165 B F-225355/ .3 / .4/ .5 F-225355.6 / .7/ .10/ .11 588014			
<b>3 3518 1</b> 	Bosch	1 126 601 568 6 033 GD5 036 F 00M 991 391	17 / 61 x 38.2  6 Grooves M16	0 123 320 041,046 0 123 510 038,049,080,101 0 124 325 227 6 033 G30 40B 6 033 GB3 030,031,040 KC(R) 90A / NC(R) 115A KCB1 90A N1(R) 80A 24V A13VI 222,302,305,310 010 154 05 02 010 154 08 02 010 154 48 02 IA 1012,1013,1110	MB C200 / 220 D,-TD,T-Model C250 D,-TD,T-Model E200 / 220 Diesel E250 D,-TD,T-Model E290 D,-TD,T-Model E300 D,-TD,T-Model G 300DT, S300TD Q812 Vario Sprinter 208,210,212,308,310,312D 408,410,412,512,612,812D 408,410,412,512,612,812D Steyr Unimog U90, U100L
	MB  Iskra Valeo INA  Valeo repl.	602 150 00 60 604 150 00 60 604 150 03 60  593495, 2547128 F-225644.2/ .4 / .5/ .6/ .7 F-228215 / .01/ .02/ .03/ .04 F-561338  Replacement for 3 3544 1 588044			
<b>3 3520 1</b> 	Bosch	F 00M 147 600,737,801 F 00M 591 131 F 00M 599 534 F 00M 991 002,122 F 00M 991 206,284 593491,593600, 593999 GD 214998	17 / 61 x 40.95  6 Grooves M16	0 121 715 003,047,071 0 121 715 103,171 0 124 315 001,013,032 0 124 325 001,012,047,073, 0 124 325 083,092,101,130, 0 124 325 131,178 0 124 515 010,022,101,117,119 0 124 515 121,123,125,127 0 124 525 027,039,050,066, 0 124 525 067,090-092,098, 0 124 525 114,128,187 0 124 525 525,539,542 0 124 615 017,038 0 124 625 010,028 0 125 811 009,027,028,036 0 125 815 017,018 F 000 BL0 462,615,634	Audi A1 1.6/2.0 TDI, 2.0 TFSI / -quattro A2 1.2/1.4 TDI, 1.3 TDI 3L A3 1.6/1.8 T/ 1.9/2.0 TDI, -quattro A4 1.9 / 2.0 TDI /-quattro A6 2.0 TDI Q3 2.0 TDI /-quattro TT 1.8T/3.2 Coupè, Roadster,-quattro Ford Galaxy 1.9 TDI, 2.8i 24V SEAT Alhambra,Altea,Arosa 1.4-2.0 T/TDI Alhambra 2.8,-4Motion Cordoba,Ibiza,Inca 1.6-2.0 SDI/TDI Exeo 1.6/1.8/1.9 SDI/TDI Leon ,Toledo 1.6-2.0 SDI/TDI Skoda Fabia 1.4 TDI/ 1.9 SDI/TDI,-Combi Octavia 1.6/1.8T/1.9 SDI/TDI,-Combi Octavia 2.0,-4x4,-Combi,-2.0i Roomster 1.9TDI Superb 2.0 TDI,-4x4,-Combi
	Valeo Hitachi Ford PAL Magneton Toyota VW  INA	0138600,601 27039-0D030 021 903 119 G 022 903 119 A,C 028 903 119 AM 038 903 119 A,T F-227628/ .4 / .5/ .6/ .7 F-227628.10 / .11/ .12 F-553470 / .01/ .02/ .04 F-553470.05/ .06/ .07			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
	Valeo repl.	588001		F 000 BL0 7H1,7H2,8E1,8E2 B3-90 90A E4/E8 140A / LI-XM 2.5 EL8/H8P 180A M8/M8E/MP10/P10 140/180A SG 8 B013, -B027, SG 9 B015, -B078 SG10 B032, SG12 B015, -B090 TG11 C017 TG14 C011, -C015, -C016 021 903 026A 028 903 028E, 028 903 030A 038 903 023K, -L 038 903 024F 045 903 023A, -B, -E 03G 903 023, -X 03L 903 023D, -DX, -R 03L 903 024F, -FX 06F 903 023F, -FX 1100711, 1118206 98VW-10300-CA, EA YM21-10300-CA 9517 033,403,413,463,483 LR1120-701 IA 1142,1146,1163,1164, IA 1416		VW Yeti 2.0TDI,-4x4 Bora 1.6,-Variant, 1.8T,-Variant, Bora 1.9 SDI/TDI,-4Motion,-Variant Bora 2.0/2.3/2.8,-4Motion,-Variant Caddy 1.6-2.0 SDI/TDI,-4Motion California T5 1.9/2.0/3.2TD/TDI Caravelle T5 1.9TDI/2.0 3.2,-4Motion CC 2.0 TDI.-4Motion Crafter 30/35/50 2.0 BiTDI,-2.5 TDI Cross Polo 1.9TDI EOS 2.0 TDI / TFSI, -3.2 V6 Fox 1.4 Golf IV 1.6/1.9/2.3/2.8 SDI/TDI,-Variant Golf Plus 1.9/2.0 TDI Golf V,-Variant 1.6-2.0 TDI,-2.0FSI,-3.2 R32 Golf VI /-Variant 1.6, 2.0 TDI/GTi, Jetta III + IV 1.6-2.0 TDI,-TotalFlex Lupo 1.2 TDI 3L/1.4 TDI Multivan T5 1.9TDI/2.0/3.2 New Beetle 1.8T,-Cabrio,-1.9TDI,-Cabrio New Beetle 2.0,-Cabrio,-2.3 Passat 1.9/2.0 TDI,-CC,-Variant,-4Motion Passat 3.2/3.6 FSI,-Variant Polo 1.4i/1.6i/1.9SDI/TDI,-2.0,-Limousine Scirocco 2.0 R/TDI Sharan 1.8T,-1.9/2.0TDI,-2.8,-4Motion Tiguan 2.0 TDI 4motion 3 5405 0 Transporter T5 1.9 TDI Transporter T5 2.0,-3.2,-4-Motion
<b>3 3521 1</b>	Bosch	1 126 601 567 1 127 011 848 F 00M 992 711	17 / 61 x 35 5 Grooves M16	0 123 510 045 058 903 016D NC(R) 120A	Audi A6 1.8,-1.8T,-1.8T quattro A6 Avant 1.8,-1.8T,-1.8T quattro	
	VW	058 903 119 C 058 903 165				
	INA	F-226322.04 / .05 F-226322.07 / .12				
	Valeo repl.	588099				
<b>3 3522 1</b>	Bosch	1 126 601 566 1 127 011 847 F 00M 991 390	17 / 61 x 35 5 Grooves M16	0 123 320 055 0 123 515 003 028 903 018 G 028 903 028 KC(R) 90A / NC(R) 120A IA 1246,1252,1255	Audi A4 1.9 TDI,-Avant,-quattro A6 1.9 TDI, -Avant, -quattro VW Passat 1.9TDI,-Syncro,-Variant -Variant Syncro	
	Iskra	028 903 119 T				
	VW	028 906 165				
	INA	F-225653.3 / .4 / .5 / .8 F-225653.9 / .12 / .13				
	Valeo repl.	588051				
<b>3 3524 1</b>	Valeo	593492	17 / 55 x 44.4	A13V1202	MB A160 CDI, A170 CDI	
	Valeo repl.	588085		SG9B039		
	MB	668 155 00 15 668 155 07 15	5 Grooves M16	2542414A 90A 437346, 439333		
	INA	F-226954 / .3 / .4 / .5 / .07				

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA




IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3525 1</b> 	Bosch	F 00M 061 016 F 00M 992 717	17 / 61 x 36.1	0 123 510 109 NC(R) 115A	Chrysler Voyager III 2.5 TD Citroen C25 Landrover 90,110 Volvo 850, C70 I, S70, V70 I, V70 II
	Volvo INA Valeo repl.	940 432 8 F-227079.4 / .05/.06 F-227079.07 588077	6 Grooves M16	9442827	
<b>3 3526 1</b> 	Bosch	1 127 011 861 F 00M 061 005 F 00M 147 736	17 / 73 x 40.1	0 123 520 014 0 124 325 088 0 124 515 110	VW California, Caravelle T4 2.5TDI LT 28,35,46 2.8 TDI Multivan T4 2.5 TDI Transporter T4 2.5TDI, -synchro Volvo S60 2.4 D, 2.5 T S70 2.5 TDI S80 I + II 2.4 D, 2.4 T V70 I 2.5 TDI V70 II 2.4 D, 2.5 T XC70 2.4 D, 2.5 T
	VW INA Valeo repl.	F 00M 991 095,308,394 021 903 119 H, -K 074 903 119 E F-227820.4 / .5/.6/.7/.8 F-227820.9 / .10/.12/.13/.14 588050	6 Grooves M16	0 124 615 006 90 /120 /150A VW 074 903 025L,S,T VW 074 903 026 Volvo 9442130, 9459093	
Replacement for 3 3567 1					
<b>3 3527 1</b> 	Bosch	1 126 601 593 1 127 011 857 F 00M 147 723 F 00M 991 044,377	17 / 61 x 35	0 123 320 054 0 123 510 091 0 124 325 020 0 124 515 024	BMW Z3 1.9 Chrysler Viper Convertible 8.0 FIAT Ducato 2.3 D / JTD VW Passat 2.3 , -4Motion, -Synchro Passat 2.3 Variant, -4Motion Passat 2.3 Variant Syncro
	FIAT VW INA Valeo repl.	9 949 580 038 903 119 L 071 903 119 B 071 903 165 F-228618 / .4 / .5/.07 F-230846 / .1/.2/.3/.04/.05 588059 588104	6 Grooves M16	KC/NC(R) 90 /120A KCB1/NCB1 90 /120A 071 903 016 C,D,G,H FIAT 5040099780	
<b>3 3528 1</b> 	Hitachi	GD2 15541 L170G-25003	17 / 64 x 39.1	LR160-745 LR170-761B,-C	Nissan Patrol, Terrano, Interstar 2.7 D Renault Master III 3.0 dCi 140 Opel Movano Mk I 3.0 DTi Renault Trucks Mascott
	Nissan INA Valeo repl.	23150-2W200 23150-2W20A 23150-2W20B F-228751.2 / .3/.06/.07 588079	7 Grooves M16	LR180-771B LR190-745,-752 LR1130-702, -B,-C 23100-DB00B 23100-VC100,-101,-201 23100-2W201 23100-2W20A 5010553879	
<b>3 3529 1</b> 	Bosch	1 126 601 597 F 00M 061 023 F 00M 991 304	17 / 55 x 39.15	0 123 320 051,065 0 123 510 082,107,108 0 123 520 023,025	MB C200 CDI,-T / 220 CDI,-T E200 CDI / 220 CDI,-T Sprinter 208 CDI,210 CDI, 213 CDI,216 CDI, 308 CDI,311 CDI, 313 CDI,316 CDI, 408 CDI,411 CDI, 413 CDI,416 CDI Vito Bus 108,110,112 CDI V200/V220 CDI
	MB Iskra INA Valeo repl.	611 150 01 60 611 155 02 15 F-228824.1 / .4 / .6 / .7 F-228824.09 / .10/.11/.12 588039	6 Grooves M16 fitting measure 7.60 mm attention! 3 3557 1 fitting measure 11.10 mm	KC(R) 90A/ NC(R) 150A 010 154 59 02 010 154 96 02 011 154 06 02 011 154 09 02 011 154 12 02 011 154 70 02 011 154 78 02 IA 9425	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
<b>3 3531 1</b> 	Bosch	0 122 1AA 4Z0 0 122 1AA 5L0 0 122 1AA 7V0 F 00M 991 396	17 / 55 x 35.6  6 Grooves M16	0 122 0AA 0B0,0C0 0 122 0AA 0R0 0 122 0AA 2A0 NFB2 150A 000 150 05 50 000 150 06 50 000 150 17 50 000 150 25 50 000 150 28 50 10480403,-404 10480407,-408 IA 1260	MB C200 CDI C220 CDI CLK 270 CDI G 270 E200 CDI E220 CDI,-T E270 CDI,-T ML 270CDI S 320	
	Delphi	104 51570,-53582,-80403				
	Iskra					
	MB	611 150 03 60 611 150 16 50 611 155 00 15 611 155 04 15				
	INA	F-229363.3 / 5 / 6 / 7 / 9 F-559585 / .01				
	Valeo repl.	588030				
	<hr/>					
	<b>3 3532 1</b> 	Valeo	593521, 593527,593907	17 / 55,65 x 35.25	A14VI 35,41,48,49 SG15S018,019,022,024,025	Citroen C5,C8,Berlingo,Evasion,Jumper, Jumpy,Xsara,Xantia 1.9/2.0/2.2D
		Valeo repl.	588017, 588015		SG15S018,019,022,024,025	
		FIAT	773 633 03 9949520,9949627	6 Grooves M16	TG15C116 2542500 5705AA,-AR,-ER,-EX,-GC 71732307	FIAT Ducato,Scudo,Ulysse 2.0JTD Ford Fiesta, Fusion 1.4 TDCi Lancia Phedra,Zeta 2.0, 2.2 D/JTD Mazda 2
Ford				437210, 439257,439294		
Iskra				9610787780, 9621791480, 9636060780, 9636254180, 9640878780, 9643001680, 9644103580, 9645907580	Peugeot 206,306,307,406,607,806,807 Boxer,Expert, Partner 2.0D	
Suzuki		31771-68D00,-D01		9610787780, 9621791480, 9636060780, 9636254180, 9640878780, 9643001680, 9644103580, 9645907580	Suzuki Grand Vitara 2.0-2.3 Diesel	
INA		F-2229603 / 1-17/19		2S6T-10300-BA,-BB 1140136 A004TF0091,-A,-B 31400-68D00,-D01,-D02 IA 1244 Y402-18-300		
Replacement for 3 3586 1						
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<b>3 3533 1</b> 		Valeo	593514, 593554	17 / 55,40 x 39.8	SG12B017,038,071,096, SG12B097,110,123	Opel Movano, Vivaro 1.9 CDI, CDTI
	Valeo repl.	588029		SG12B097,110,123	Mitsubishi Carisma, Space Star 1.9 DI-D	
	GM	93190868	6 Grooves M16	TG15C128,153 2542272E, 2542653	Nissan Interstar, Primastar	
	Opel	4417574		2542272E, 2542653	Renault Laguna I+II,Traffic II,Master II	
	Nissan	23151-00Q0B		4403540, 4411316, 4411318, 4416872, 4430591,4430595	Latitude, Megane, Scenic,Traffic 1.9 dCi, 2.0 ,2.2dCi, 2.5 dCi	
	Renault	7700 426 849 8200 584 040		9111540	Volvo S40 I 1.9DI , V40 1.9 DI	
	Volvo	8666126		9316 0665,-0666, 9316 1425,-1427 9318 9523 30883627 3602231 8 251 635, 8 251 641, 8 251 644, 8 251 647, 8 251 648, 8 251 725, 8 602 806 S30638577 23 10 000 18R 23 10 005 43R 77 00 426 849 77 11 134 313,316 82 00 022 774 82 00 162 474 82 00 495 302 82 00 538 407 82 00 690 199 23100-00QAM,-AP 23100-00QBE,-F 23100-00QA7 23100-00QQA		
	INA	F-229643.3 / 4/ 7/ 10/ 11 F-556602 / .01 F-560843				






# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3539 1</b> 	Denso Volvo	021040-0970 9 472 909 3078 2701	17 / 60.15 x 41.6  6 Grooves M14	102211-0500 8251655 8601699-0 8601699-5 9 459 077,-092 9 472 908	Volvo 2.0T,2.4T,2.5T C70,S40,S60,S70,S80 V40,V70 I+II, XC70
	INA Valeo repl.	F-231108 /.02 588047			
<b>3 3540 1</b> 	Marelli	85562751 85562931 9 948 225, 9 951 162	17 / 65,50 x 37.4  6 Grooves M17	A115 IM, A127IR 608 159 53 608 165 57 633 212 45 633 213 15 633 214 12,-97 633 215 01,-06 633 218 04,-05 633 218 19,-26,-33 MAN1101,1108,1110, MAN1117,1127,1128	Alfa 145,146,156 1.9JTD FIAT Brava, Bravo I, Multipla,Punto, Doblo, Marea, Palio, Strada 1.9 TD / JTD Lancia Lybra 1.9 JTD Kappa 2.4 JTD
	FIAT INA Valeo repl.	F-230866.4 /.5 /.7 F-230866.10 /.11/.13 588089	short version of 3 5403 1		
<b>3 3541 1</b> 	Bosch	F 00M 147 724 F 00M 991 043,045 F 00M 991 378 593490, 2547439	17 / 61 x 35  5 Grooves M16	0 124 315 011 0 124 325 018,049 0 124 515 026,083 0 124 525 010,089 0 124 615 021 KCB1 70/90A, NCB1 120A E8 140A, NCB2 150A 254 2232,223,4A,22239, 254 2496,2507,2508, 254 2680, 257 4347 SG 9B017,042 SG12B010,012,049,074 SG14B011,012 028 903 029A,B,N,Q,S 028 903 031 95VW-10300-ABA IA 1339,1418	Audi A4 1.9 TDI,-Avant,-quattro 1.6, 1.8 TDI -quattro A6 1.8 T 1.9TDI,-Avant,-quattro Skoda Superb 1.8T, 1.9, 2.0 TTDI VW Passat 1.6/1.8/1.9 TDI -Syncro,-Variant,-4M 2.0 TDI,-Variant
	Valeo Iskra VW  INA Valeo repl.	022 903 119 B,-D 028 903 119 AC 038 903 119 J,M F-225653.6 /.7/.10/.11 F-552699 /.01/.02/.03 588008			
<b>3 3542 1</b> 	Bosch	F 00M 147 722 F 00M 991 042,376 038 903 119 P	17 / 61 x 35  5 Grooves M16	0 124 515 025 NC(R) / NCB1 120A 06B 903 016 B 058 903 016 D	Audi A4 1.6,-Avant 1.8,-Avant,-quattro,-T A6 1.8T,-Avant,-quattro Skoda Superb 2.0 VW Passat 1.6, 1.8, 2.0
	VW INA Valeo repl.	F-226322.6 /.9 /.10/.11/.14 588041			
<b>3 3543 1</b> 	Valeo Valeo repl.	593493 588083	17 / 61 x 44.4  5 Grooves M16	2542347A A13VI 202,257 90A SG9B038,39 011 154 82 02 012 154 43 02	MB A190, A210 (M166) Vaneo 1.6, 1.7 CDI Vaneo 1.9
	MB INA	166 155 02 15 F-230759.1 /.02/.05			





# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS





# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3545 1</b> 	Bosch	F 00M 147 735 F 00M 991 105,305	17 / 58 x 33.5	0 124 515 072,073 0 124 525 021,057,107	Porsche Boxster 2.7/3.2 S Cayman 2.7, 3.4 S,-Sport 911 3.4 24V Carrera 911 3.6 Carrera 4,-Cabrio, -Coupe',-S,-4x4 911 3.6 Carrera Targa/Targa 4 911 3.6 GT2, Turbo Cabrio, -Coupé,-S 911 3.8 Carrera 4 S,-Cabrio 911 3.8 Carrera S,-Cabrio, Targa 4S
	MB Porsche INA Valeo repl.	611 155 07 15 996 603 152 50 997 603 154 00 F-233525 / .1/.04/.05 F-583944 588074	6 Grooves M16	NCB1 120 A, E8 140/150A Opel 24436554 Porsche 996 603 012 02,04 996 603 012 06 997 603 012 01,03 997 603 012 05,07 997 603 012 09	
<b>3 3546 1</b> 	Valeo Valeo repl. Renault	593515, 593517,593605 588010 7701 055 871 7701 207 807 7701 477 502 8200 613 765	17 / 61 x 40.66 6 Grooves M16	2542466B 120A 2542495A A13VI 207,285,289,292,297 SG10B019,032 SG12B055 77 00 422 143 77 11 134 258,722,754 77 11 135 504 82 00 054 588 82 00 064 685 82 00 107 686 82 00 121 413 82 00 128 426 82 00 159 642 8251 635,637,638,640,644, 8251 646,647,648 8602 185, 806	Renault Clio 1.4 /1.6 Espace III 1.9 dTi Kangoo 1.9 dCi Laguna 1.9 dTi Megane 1.4 /1.6 Scenic 1.9 dCi/dTi Mitsubishi Carisma 1.9 DI-D Space Star 1.9 DI-D Volvo S40 I, V40 Kombi
	Volvo INA	8 641 982 F-228881.2 / .3 F-556599 / .01			
<b>3 3547 1</b> 	Bosch	0 122 1AA 6K0 0 122 1AA 8F0 F 00M 991 395	17 / 55 x 40.1 7 Grooves M16	0 122 0AA 1P0 NFB2 150A 000 150 22 50	MB G400 CDI S400 CDI
	MB INA Valeo repl.	628 155 00 15 F-230825.2 / .3/.04/.05 588105			
<b>3 3548 1</b> 	Bosch	F 00M 147 721 F 00M 991 039,375	17 / 61 x 37.24 with distance ring	0 124 315 006,012 0 124 325 014,021 0 124 525 028	Seat Arosa 1.7 SDI VW Lupo 1.7 SDI Polo 1.7 SDI /1.9 D,-SDI
	Iskra Nissan PAL Magneton Renault Valeo repl. VW INA  Valeo repl.	A660C-300EX 0138620 8200 113 636 588034, 588035 038 903 119 AB,-Q F-230147 / .1/.2/.3/.04/.05  Replacement for 3 5316 1 Rubber Clutch Pulley 588034 with distance ring 588035 without distance ring	5 Grooves M16	KCB1 70A, 90A SG12B038, 0124525028 TG11C011 23100-00QA1,-A9 23100-00QBB,-BJ A002TB6481 77 01 474 326 77 11 134 728 8200 053 938, 8200 102 907 8200 120 286, 8200 373 636 8200 122 976 038 903 023P,T 038 903 025A	

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA




IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3549 1</b> 	Melco Mazda INA	A628X91371 GY02-18-330A,-330B GY02-18-W37Z F-229974.3 F-232600 /.01/.02	17 / 65 x 37  6 Grooves M17	A002TB1081A A003TB1081 A,B GY01-18-300E,-H,-J,-R GY01-18-W9XA BP8E-18-300, BP9E-18-300 FS05-18-300 OK29T-18-300	Ford Probe II 2.5 KIA Clarus 1.8i, 2.0i Mazda B-Serie V6 2.5 I 323 F 2.0 626 IV 1.8/ 2.0 I MX 3 1.8i MX 6 2.5i Premacy 1.9, 2.0 Xedos 2.0, 2.5
	<b>3 3556 1</b> 	Denso PS KIA  Hyundai INA Valeo repl.	72011-0740 OK588-18-W11 37321-4X210 37321-4X300, -301 F-231618.1/.2/.04/.05 588073	17 / 64 x 34.5  5 Grooves M16	OK552-18-300B OK553-18-300A OK554-18-300,-A 02131-9070 85A
<b>3 3557 1</b> 	Bosch  Valeo Valeo repl. Chrysler MB  Iskra INA	F 00M 991 099, 125 F 00M 991 190, 303 2549800 588020 5117591AA 611 155 03 15 611 155 05 15 611 155 07 15  F-233197 /.1/.2 /.3/.4/.5 F-559320 /.01	17 / 55 x 39  6 Grooves M16 fitting measure 11.10 mm  attention! 3 3529 1 fitting measure 7.60 mm	0 124 325 039,046,077,093, 0 124 325 105,169,170,202 0 124 425 077 0 124 515 061,064,084,091, 0 124 515 102,114,115,118 0 124 525 554 0 124 615 015,018,019,025, 0 124 615 032,033,035,042 0 124 625 006,020,022 F 000 BL0 440,732,7G0 B5 120A/ C 3-90/ E10 200A KCB1 90A/ NCB1/2 120A 437621 000 906 04 22 012 154 17 02, -22 02 012 154 24 02, -46 02 012 154 54 02, -63 02 013 154 08 02, -10 02 013 154 13 02, -21 02 013 154 32 02, -34 02 646 154 00 02,- 10 02 646 154 27 02 5103885AA,5103886AA, 5103887AA,5117587AA,-AB, 5134199AA,-AB 5134204AA,-AB 5134205AA,-AB IA 9425	Chrysler PT Cruiser 2.2 CRD Freightliner Sprinter 2.500 2.7 Sprinter 3.500 2.7 Jeep Grand Cherokee II 2.7 CRD 4x4 MB Sprinter 208,209,211,213,215,216, 308,309,311,313,315,316, 408,411,413,415,416,509, 511,515,616 CDI 715 Accelo Vito 108,109,110,111,112,115 CDI Viano 2.0/2.2 CDI
	<b>3 3559 1</b> 	Valeo Valeo repl. VW INA	593494 588071 06B 903 119A F-234739 /.3 /.04 /.05	17 / 61 x 45.25  6 Grooves M16	254 2494,2509 SG12B047 SG14B010

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3560 1</b> 	Bosch	1 126 601 580 F 00M 991 393	17 / 55 x 36.1	0 123 320 049 0 124 510 072	MB O 812D (Vario) Vario 612 D, 613 D, 812 D SsangYong Actyon 200 2.0Xdi Kyron 2.0 Xdi, 270 Xdi Rexton 270 Xdi Rodius 270 2.7 Xdi
	MB	604 150 04 60 604 150 06 60	6 Grooves M16	KC(R) 90A / NC(R) 120A 010 154 64 02 010 154 65 02 664 154 01 02 665 154 00 02 665 154 02 02	
	Delphi	220682			
	INA	F-226387/ .04/.05/.06 F-226387.07/.08 /.09/.10 F-239662/ .01			
	Valeo repl.	588078			
<b>3 3561 1</b> 	MB	906 155 03 15 906 155 13 15 906 155 21 15	17 / 79 x 39.65	0 120 469 115,117,118 NL1(R) 80A 24V 009 154 71 02	MB 711, 712C, 811, 814,-F,-L,-LO, 817,-F,-L,-LO, 914C/LO, 915E, 917,-KO 1117,-L,-LO, 1215C, 1317, 1318, 1517,-L, 1618M, 1718M, 1728, 2423, 2428 Accelo 915C Atego 712, 714,-L, 715,-L, 717,-L 812, 814,-L, 815,-F,-L, 817,-F,-L, 818, 823,-L, 915,-AF, 917,-KO,-L, 918, 923,-L,925AF 1015, 1017,-A,-AK,-KO,-L 1018, 1023,-L, 1214,-L, 1215,-L, 1217,-KO,-L, 1218, 1223,-L, 1225AF,-F, 1228,-L, 1315, 1317,-A,-AK,-KO,-L, 1318, 1323,-L,-LKO ,1325AF,-F, 1328,-AF,-F,-L, 1418, 1517,-L, 1518, 1523,-A,-AK,-KO,-L, 1525AF, 1528A,-F,-F,-L, 1718, 1725, 1823,-AK,-K,-L,-LS, 1828,-A,-AK,-K,-L,-LS, 2523L, 2528,-L, 2628,-B,-K, Axor 1823,1828,2523,2528,2628,3028 Econic 1823L,1828L,2628L, L 1218,1418,1620,1622 LO 915 Medio O 500M,-U OF 1417,1418,1722, OH 1418 Vario 614D, 615D, 618D, 810,-DT, 814,-D,-DA, 815D,-DA, 818D Steyr Unimog U300,-400,-500,-5000 MAZ Minsk 105,107,203
	INA	F-230283 F-238215.01 /.02/.03	8 Grooves M16	009 154 98 02 012 154 57 02 DAF 1516501R MTU 009 154 71 02	
	INA O.E. Mercedes pulley				
	Bosch supplies solid pulley as replacement				
<b>3 3563 1</b> 	Marelli	8362959	17 / 61 x 35.26	633 217 43	Ford Transit 2.3 16V
	INA	F-234359 /.2/.03 F-552016.01/.02	6 Grooves M17	633 218 17 1C1T-10300-BB YC1T-10300-BB 115A	
<b>3 3564 1</b> 	Denso	71011-0750 72011-0750	17 / 64 x 35.6	02131-9110, 02131-9261,-9262	Hyundai Elantra, i30, Santa Fe' I+II, Trajet Sonata V, Tucson 2.0 CRDi KIA Carens II, Cee' d, Cerato, Pro Cee' d, Sportage 2.0 CRDi
	Hyundai/KIA	37322-27010,-27012	6 Grooves	37300-27010,-27011, 37300-27012,-27013	
	INA	F-233970 /.02/.03/.04	M16	120A	
	Valeo repl.	588046			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3565 1	MB	906 155 07 15 906 155 14 15 906 155 16 15 906 155 26 15	17 / 61.8 x 45.5	0 120 468 143 0 120 469 120 6 033 G00 4BY 6 033 GB3 023 6 033 G30 82B	MB Actros 1831,-AK,-L,1832, 1835,-AK,-L,1836, 1840,-AK,-L,1841, 1843,-AK,-L,1844, 1848,-AK,-L,1850, 1853,-L,1854,1857L, 1858,2031,-A,2032, 2035,2036,2040,-A, 2041,2043AS,2044, 2048AS,2050,2053, 2054,2531,-L,2532, 2535L,2536,2540,-L, 2541,2543,-L,2544, 2548,-L,2550,2553,-L, 2554,2557L,2558, 2631,-L,2632,2635,-L, 2636,2640,-L,2641, 2643,-L,2644,2648,-L, 2650,2653,-L,2654, 2657,-L,2658,3231, 3236,3235,3236,3240, 3241,3243,3331,-A, 3332,3335,3336,3340,-A, 3341,3343,-A,3344, 3348,-A,3350,3353,3354, 3357,3358,4140,-A,4141, 4143,-A,4144,4148,4150 Axor 2635,3335,3340,3343, 4135,4140,4143 Citaro O 530,-G,-N3 Conecto G Travego 17 SHD Tourino O 510
	INA	F-233834.1 / .2 / .03 F-551359  INA O.E. pulley Bosch supplies solid pulley as replacement	M16  long version	DAF 1516480R Volvo 20402404 NL1 28V 100A 009 154 99 02 010 154 92 02 013 154 72 02	
3 3568 1	Bosch	F 00M 391 160 F 00M 991 138,302	17 / 60 x 44.5	0 124 515 062,088 0 124 615 022,028	MB C180 Kompressor,- -Sportcoupé, -T C200 CGI Kompressor,-Sportcoupé,-T C230 Kompressor,-Sportcoupé,-T CLK200 CGI Kompressor,-Cabrio, - Coupé E200 Kompressor,-T SLK200 Kompressor Sprinter 216,316,516 1.8l
	MB Valeo Valeo repl. INA	271 155 00 16 271 155 01 15 593625 588060 F-232001.2 / .4 / .6 / .07 / .08 / .09	7 Grooves M16	NCB1/NCB2 120A/ 150A SG12B062 2542582B 120A 271 154 02 02 271 154 08 02	
3 3569 1	MB	906 155 02 15 906 155 12 15 906 155 17 15	17 / 61.8 x 37.4	0 120 468 145 NL1(R) 28V 100A 010 154 00 02 IA 9413,9444 20402404	MB 712,714,-L,715,-L,717,-L, 812,814,-L,815,-F,-L, 817,-F,-L,818,823,-L,915,-AF, 917,-KO,-L,918,923,-L,925AF Atego 1015,1017,-A,-AK,-KO,-L 1018,1023,-L,1214,-L, 1215,-L,1217,-L,1218, 1223,-L,1225AF,-F,1228,-L, 1317,-A,-AK,-KO,-L,1318, 1323,-L,-LKO,1325AF,-F, 1328,-AF,-F,-L,1517,-L, 1518,1523,-A,-AK,KO,-L, 1525AF,1528,-AF,-F,-L, 1823,-AK,-K,-L,-LS,1828,-A, 1828AK,-K,-L,-LS,2523L, 2528,-L,2628,-B,-K Axor 1823,1828,2523,2528,2628, 3028 Econic 1823L,1828L,2628L, Unimog U300,-400,-500,-5000 Vario 614D,615D,618D,810DT, 914D,-DA,815D,-DA,818D O 810,O 814,O 815
	Iskra INA	F-233834 F-238216 / .01 F-552296  INA O.E. pulley Bosch supplies solid pulley as replacement	8 Grooves M16  short version		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
3 3573 1		Bosch	F 00M 147 764 F 00M 147 766 F 00M 147 907 F 00M 349 814 F 00M 991 171 F 00M 991 271	17 / 59 x 33.6 6 Grooves M16	0 121 615 009,021,028, 0 121 615 109,121,128 0 121 715 024,124 0 124 525 035,126,526 0 124 615 027 E8 150A LIX C2.5 H7P 150A NCB2 150A BMW 12 31 7 794 970 12 31 7 806 779	BMW Mini Cooper,-Clubman Citroen Berlingo 1.6 HDi C2/C3 1.4/1.6 HDi,-Picasso,-Pluriel C 4 1.6 /2.0 HDi,-Coupè,-Picasso C5 1.6 /2.0 /2.2 HDi,-Break,-Tourer C8 2.0 /2.2 HDi Evasion 2.0 HDi Jumpy 1.6/2.0 HDi,- 1.9 Diesel Xsara 2.0 HDi,-Break,-Coupè, -Picasso
		FIAT Valeo Valeo repl. INA	773 62 558 2548543A 588003 F-232369.4 /.5/.07/.08	distance from Alternator to first groove 8.0 mm  see also 3 5410 1 distance from Alternator to first groove 6.5 mm	FIAT 9646065480 9646321880 Ford 2S6T-10300-AA 6G9N-10300-ADA,-ADB 6G9N-XA,XB,XC,YC 7G9N-10300-EA 1458640 PSA 5705 AA,-AS 96 460 654 96 463 218 Volvo 30795169, 36000223 36000798, 38697585 Suzuki 31400-68D02	FIAT Scudo 1.9D / Ulysse 2.0 16V JTD Ducato 2.0 JTD Ford Galaxy/S-Max 2.2 TDCi, Mondeo 2.0 / 2.2 Lancia Phedra 2.0/2.2 16V JTD Landrover Freelander II 2.2Td 4x4 Peugeot 206 1.6/2.0 HDi, 206 CC 207 1.4 /1.6 HDi,-CC 307/308 1.6/2.0 HDi,-Break,-CC 406 2.0 / 2.2 HDi 407 1.6 /2.0 HDi,-SW 607 2.0 HDi / 807 2.02 /2.2 HDi 807 2.0 / 2.2 HDi Boxer 2.0/ 2.2 HDi Expert 2.0 HDi, 1.9 Diesel Partner 1.6 HDi Volvo S80/V70 2.05
3 3574 1		MB	906 155 08 15 906 155 15 15 F-230283.1 /.2/.03 F-240423	17 / 79 x 43.95 8 Grooves M16	0 120 469 119 6 033 G30 81B 6 033 GB3 010,083 NL1 28V 100A DAF 1516480R John Deere FO 63075 MB 010 154 89 02 MB 013 154 71 02	MB 715,815,818,822,915, 918,922 Atego 1015,1018,1022,1215, 1218,1222,-L1318,1322, 1518,1522 Axor 1833,2533,2633, Citro O 530,-GN3,-GNUE3,-K, O 530 N3,-lang,-UESTRA, O 530 NUE3,-UE O 530 low entry MUE Cito O 520 Econic 2628L Conecto O 345 Integro L,-M, Intouro Tourino O 510 Travego O 580, 17SHD Unimog 3000,-4000,-5000 Vario 613,615,813,814,815 Zetros 1833,2733
		INA O.E. Mercedes pulley  Bosch supplies solid pulley as replacement				
3 3576 1		Bosch	F 00M 147 716,760,799 F 00M 991 016,061 F 00M 991 156,232 F 00M 991 265	17 / 61 x 37.8 6 Grooves M 16 left	0 124 515 019,054 0 124 525 014,029,060 0 124 625 003,024 NCB1 120A E8 140A / P10 160A 3065 8085, -8087 3066 7787, -7788, 3066 7894, -7895 8601 841 8602 276,-343,-629,-710,-714, 8603 262, -265	Volvo C70 2.0/2.3/2.4,-T,-Cabrio,-Coupè S40 I 1.6/1.8/2.0,-Z S60 2.0, 2.3T, 2.4,-D,-T,Bi-Fuel, R S70 2.0-T,2.3/2.4/2.5,-Bi-Fuel S80 I 2.0T, 2.4, -Bi-Fuel AWD V70 I+II 2.0T, 2.4, 2.4D, 2.4T,2.5D XC70 2.3T,2.4D5,2.5T XC90 2.5T, D5
		Volvo INA  Valeo repl.	8 676 497, 9 459 747 30667878, 30737517 F-230401 /.6/.7/.8/.09 F-552923 /.01 F-553099/ .01 588022	Replacement for 3 3536 1		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA




IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3577 1</b> 	Bosch	F 00M 147 732 F 00M 991 108 F 00M 991 266	17 / 61 x 35.6  6 Grooves M16	0 124 515 059 0 124 525 009,088 0 124 615 009 F 000 BL0 6Y7,6Y8 NCB1 120A NCB2 150A GVBM B3 120A E8 140A M8E 140A SG12B047,075 SG14B010,016,022 TG15C017,065 TG16C014 06B 903 016 AB,P,Q	Audi A3 1.8 / 2.0 TFSI,-Sportback A4 1.6,-Avant 1.8T.-Avant,-Cabrio,-quattro 2.0,-Avant,-Cabrio,-(T)FSI, -quattro A6 2.0, Avant 2.0 TT 1.8 / 2.0 TFSI -quattro Seat Alhambra 2.0 TSI Altea 1.8/2.0 TFSI, - 4x4 Exeo 1.6/1.8/2.0 Leon 1.8/2.0 Toledo 1.8 TFSI Skoda Octavia, Superb 1.8/2.0 Yeti 1.8 4x4 VW Beetle 2.0 TSI Eos 1.4/2.0 TSI/TFSI Golf V+VI 2.0 GTI, 1.8/2.0 TSI Jetta IV 1.4 TSI Passat 1.8 TSI / 2.0 FSI Scirocco 1.8/2.0 TSI Sharan 1.8/2.0 TSI Tiguan 2.0 TFSI/TSI
	Valeo Valeo repl. VW INA	593778 588032 06B 903 119 B, -D F-231142 /1.1/05/08 F-581445			
		continued 3 3577 1 continued			
<b>3 3578 1</b> 	Denso Jeep INA Valeo repl.	021040-1060 05019860 AA F-234065 F-558553 588101	17 / 55 x 41.15  8 Grooves M14	121000-3490	Jeep Grand Cherokee II 3.1 TD
<b>3 3579 1</b> 	Valeo Valeo repl. FIAT PSA Volvo INA	593832 588002 773 634 68  3128 5818 F-236591.1/1.02/04/06	17 / 59 x 38.3  6 Grooves M16 fitting measure 16.0 mm  Attention! similar to 3 5435 1 (fitting measure 14.4 mm)	A13VI251 SG10B048 TG 9B026, TG10B013 TG15C020,028,053 2542832, 439502, 542832 717 488 85 9646065480 9646321780 9649611280 5702 00,-E3,-HO,-NA 5705 AS,-AX,-EE,-EY 36000909	Citroen Berlingo, C2, C3, C4, C5, C6,C8,Jumpy, Xsara 1.4,1.6,1.9,-2.0,2.2 D FIAT Ulysse 2.2 JTD Lancia Phedra 2.0,2.2 D Peugeot 1007,107,206,207,3008,307,308 406,407,5008,607,807, Boxer Expert 1.4/1.6/1/9/2.0/2.2 D Partner 1.4/1.6/1.9/2.0/2.2 D Volvo V70, S80 1.6 D
<b>3 3580 1</b> 	Bosch Valeo Valeo repl. FIAT GM Opel Suzuki INA	2 008 600 022 593860 588006 773 627 21 551 862 80 93178273, 93192631 1204392, 1204517 31771-85E00-000 437504 F-237101.1/1.02/03/04	17 / 59 x 38.1  6 Grooves M16	0 124 225 063 M2E 100A TG8S012,013,016 TG9S010,015,016,021,022, TG9S027,036 2542670B,2542851,2542884 437474,437497,437503, 439505 46823546, 46823547 51718499, 51784845, 51784847,51787208, 51787209,51805800, 51805803 6204180, 6204181 6204258, 6204283 9316 9024,9316 9026 13117278, 13117279 13222935,13256932 31400-85E00	Alfa MiTo 1.3 JTD >10/2008 BMW 318d, 320d (E90,E91) FIAT 500, 500C 1.3 Multijet Albea 1.3 JTD 16V Doblo 1.3 JTD,-Multijet Doblo Cargo 1.3 JTD,-Multijet Fiorino 1.3 Multijet Grande Punto 1.3 Multijet Idea 1.3 JTD 16V,-Multijet Linea 1.3 Multijet Palio 1.3 JTD 16V Panda 1.3 JTD,-4x4,-Multijet Punto 1.3 MJTD 16V,-Multijet Punto Evo 1.3 Multijet Qubo 1.3 Multijet Strada 1.3 JTD,-Multijet Lancia Musa 1.3 MJTD,-16V Ypsilon 1.3 Multijet Opel Agila, Astra H, Combo, Corsa 1.3 CDTI > 07/2006 Meriva 1.3 CDTI > 04/2010 Tigra Suzuki Ignis II, Splash, Swift III 1.3D
			Replacement for LITENS 3 5301 1		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS



# INA




IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3581 1</b> 	Valeo	593516	17 / 53.3 x 38.25	2542523	Renault Motor F9Q 1.9 DTI
	Valeo repl.	588038		SG 12B050,095,108,116	Laguna II, Traffic II, Master II
	GM	93190867	5 Grooves	437208,437351	Mitsubishi Space Star, Carisma 1.9 DI-D
	Iskra		M16	439292,439341	Nissan Interstar, Primastar dCi 80, 2.0
	Nissan	23151-00Q0A		77 11 134 312	Opel Movano, Vivaro 1.9 DTI
	Opel	4417573		82 00 022 774, -086 130	Vivaro 1.9 DI/DTI, 2.0 Ecotec
	Renault	7711 134 312		8 200 162 474, -495 301	
		8200 584 039		82 00 538 407, -538 815	
	Volvo	31251073		82 00 590 255, -690 199	
	INA	F-234637 / .01/.03/.04		30620870	
				8 602 356	
				23100-00QAL, QAU, QBG	
				S883627	
				9316 0666, -1424	
				9319 1541	
				IA 1439	
<b>3 3582 1</b> 	Valeo	593782	17 / 65 x 38.15	TG12C013,015,016	Ford Mondeo III 2.5, 3.0
	Ford			2542737A, 2542770B	
	INA	F-237481 / .01/.02	6 Grooves	25422830A	
			M16	439483	
				2S7T-10300-AA,-AB,	
				2S7T-10300-BA,-BB	
				3S7T-10300-AA	
<b>3 3583 1</b> 	Hitachi	L1110G-7500	17 / 56.5 x 40.6	LR1100-734,-B,-C	Nissan Primera 2.0
		L1110G-25001		LR1110-713,-B,-V	X-Trail 2.0/2.5
		GD2 16009	6 Grooves	LR1110-717	
		GD2 16092,-093,-099	M16	LR1110-724,-B,-BR	
	Nissan	23151-6N200,-20A,-20B		LR1110-726	
	INA	F-232288.1 / .02/.03		23100-8J000	
	Valeo repl.	588092		23100-AU400	
				23100-EA000	
				23100-EA00A	
				23100-EA00AR	
				23100-EA00B	
				23100-ZB000	
				23100-ZB00A	
				23100-ZB00B	
				31400-82Z00	
				DRA3945	
<b>3 3584 1</b> 	Bosch	F 00M 147 747,913	17 / 53.3 x 33.6	0 124 325 072,087,116	BMW 116i, 118i, 120i
		F 00M 991 142,273		KCB1 90A	316 Ci-Coupé, 316i,-Touring
		F 00M 991 918	6 Grooves	E4 110A	316ti Compact
		0 124 A00 238	M16		318 Ci Cabrio, -Coupé, 318i,-Touring
	BMW	12 31 7 516 099			318ti Compact
		12 31 7 552 352			320i
	INA	F-236566 / .01/.02			520i
	Valeo repl.	588056			X1 sDrive 18i
					Z4 2.0i
<b>3 3587 1</b> 	Bosch	1 126 601 572	17 / 61 x 35.7	0 123 320 047,062	Chevrolet Captiva, Epica, Lacetti, Nubria
		F 00M 991 392		0 123 510 058,075,102	2.0 D
	Delphi	211242, 220681	6 Grooves	0 123 520 010	MB 108 D/110 Vito D 2.3
	MB	604 150 01 60	M16	KC(R) 90A	V 230TD
		604 150 05 60		NC(R) 115A,143A,150A	Opel Antara 2.0 CDTI
	Iskra			011 154 05 02	SsangYong Muso, Korando 2.5 / 2.9
	Valeo	2655139		IA 1005,1013	
	Valeo repl.	588068			
	INA	F-225643.1 /4/.5/.6/.7/.8			
		F-225643.9 /10/.11/.12/.13			
		F-225643.14			
		Replacement for 3 3519 1			






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3589 1</b> 	Valeo Korea	2655703	17 / 74 x 40.8	AF111382	Hyundai H-1
	Valeo repl.	588075		AF111393	KIA Sorento 2.5 CRDi
	Hyundai	K406701	7 Grooves	TA000A48201	
	KIA	37322-4A000,-001	M16	TA000A62401	
	INA	F-232774.1 / .03/.04/.05		37300-4A001-003	
				37300-4A110-113	
<b>3 3590 1</b> 	Ford	1S7U-10A352-DB,-EA	17 / 59 x 36.75	1S7T-10300-CA,-CB,	Ford Mondeo III 1.8/2.0
	INA	F-232854.3 / .06		1S7T-10300-CC,-CD	
	Valeo repl.	F-556615	6 Grooves		
		588065	M16		
<b>3 3591 1</b> 	Bosch	F 00M 147 746,914	17 / 53.3 x 33.6	0 399 604 014	BMW 116 i 1.6 I
		F 00M 349 820,898		0 121 615 010,110	118 i,-Cabrio 2.0 I
	F 00M 391 122,157,159	6 Grooves	0 121 715 012,112	120 i,-Cabrio,-Coupe 2.0 I	
	F 00M 991 141,301	M16	0 124 515 098	125 i Cabrio,-Coupe 3.0 I	
	F 00M A47 701		0 124 525 042,045,048,049,	128 i Cabrio,-Coupe 3.0 I	
BMW	12 31 7 516 103		0 124 525 059,083,524	130 i 3.0 I	
	12 31 7 552 353		F 000 BL0 729	316 i 1.6 I	
	12 31 7 560 483		NCB1 120A	318 i,-Touring 2.0 I	
INA	F-236528 / .01/.02/.03/.04		E8 150A M8E 155A	320 i,-Cabrio,-Coupe,-Touring,-si 2.0	
	F-236528.06/.07		H7P 150A	323 i,-Cabrio,-Coupe,-Touring 2.5	
Valeo repl.	588036		14M2.5	325 i,-Cabrio,-Coupe,-Coupe xDrive	
			12 31 4 487 081	325 i Touring,-Touring xDrive 2.5/3.0	
			12 31 7 532 965,-966,-969	325 i xDrive,-xi,-xi Coupe,-xi	
			12 31 7 542 529	-Touring 2.5/3.0	
			12 31 7 543 083	328 i,-Cabrio,-Coupe,-Coupe xDrive,	
			12 31 7 584 542	-Touring	
				328 i Touring xDrive,-xDrive,	
				328 xi,- Coupe,-Touring 3.0 I	
				330 i,-Cabrio,-Coupe,-Coupe xDrive,	
				-Touring	
				330 i Touring x-Drive,-xDrive	
				330 xi,- Coupe,-Touring	
				520 i	
				523 i,-Touring,-LI	
				525 i,-Touring,-Touring xDrive,-xDrive	
				525 xi,-Touring,-LI	
				528 i,-xDrive,-xi	
				530 i,-Touring,-Touring xDrive,-xDrive	
				530xi,-Touring,-LI	
				630 i,-Cabrio	
				X1 sDrive 18i	
				X1 xDrive 25i,-xDrive 28i	
				X3 2.0i,-2.5 si,-3.0i,-3.0si	
				X3 xDrive 20i,-25i,-28i,-30i	
				X5 3.0si,-xDrive 30i	
				Z4 2.0 i,-2.5si,-3.0i,-3.0si,-Coupe	
				Lotus Exige 1.8	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5302 1</b> 	Denso		17 / 53.3 x 40	104210-3180	Renault Espace IV 3.0 dCi Vel Satis 3.0 dCi
	Isuzu	8-97229-366-0 8-98033-736-0	6 Grooves M14	104210-3370 53 50 087	
	Opel	97229366			
	Saab	53 40 393			
	Renault	77 01 066 401			
	INA	F-228411.2 / .04			
	Valeo repl.	588102			
<b>3 5307 1</b> 	Valeo	593539, 593904 595203	17 / 53.3 x 38.25	2542720F SG11B010	BMW 130i 316 i/Ci/ti, 318d 320d, 325i/xi, 330i/xi 523i, 525i/xi, 530i/xi 630i 730i/Li Z4 2.0i
	Valeo repl.	588055	6 Grooves M16	SG12B044,065 SG14B017 TG17C015 90-140A	
	BMW	12 31 7 516 105 12 31 7 536 960 12 31 7 550 001 12 31 7 570 152			
	INA	F-230329.02/.04 F-238005 / .02			
<b>3 5308 1</b> 	Denso		17 / 63.4 x 38.3	102211-2760	Toyota Avensis 2.0D-4D Corolla 2.0D-4D Previa 2.0D-4D RAV4 II 2.0D-4D 4WD
	Toyota	27415-27011	5 Grooves M14	104210-3050,-3051,-3250, -3251,-3252,-3431 27060-27040,-27070,-27090	
	INA	F-570753			
	Valeo repl.	588037			
		replacement product:	3 5421 1		
<b>3 5309 1</b> 	Bosch	F 00M 147 767,957 F 00M 991 178,314	17 / 53.3 x 34.65	0 124 325 096 0 124 525 047	Renault Laguna II,-Grandtour 1.9 dCi Megane II 1.9dCi
	INA	F-238120 /.01/.02	6 Grooves M16	E4 110A E8 150A 06F 903 023 G,-GX 77 11 135 942 82 00 229 907	
	Valeo repl.	588067			
<b>3 5310 1</b> 	Bosch	F 00M 147 806,976 F 00M 991 217,326	17 / 59 x 40.6	0 124 425 012,013,029,108 0 124 525 069	Renault Clio II 1.5 DCI Clio III, -Grandtour 1.5 DCI Modus 1.5 DCI Thalia II 1.5 DCI
	INA	F-550213.01 / .03/.04/.07/.10	5 Grooves M16	E6 120A, E8 150A 82 00 325 823 82 00 360 480,481	
	Valeo repl.	588026			
<b>3 5311 1</b> 	Bosch	F 00M 147 738 F 00M 991 133 F 00M 991 189	17 / 54 x 40	0 120 000 033 0 124 525 019,046	Opel Signum 3.0 V6 CDTI Vectra C 3.0 CDTI,-Caravan Renault Espace IV 3.0 dCi Vel Satis 3.0 dCi
	GM	93175986	6 Grooves M16	E8 140A 5350087 13125525 93175988	
	Opel	1204378			
	Saab/Scania	5340393, 5543814			
	INA	F-234563.1 / .2/.03 / .04			
	Valeo repl.	588095			Saab 9-5 3.0 TiD,-Kombi






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
	<b>3 5312 1</b>	Bosch F 00M 349 826 F 00M 391 110, 146 F 00M 991 110,157	17 / 55 x 39.1 7 Grooves	0 121 715 011,015,115 0 121 813 020,120 0 124 625 004,017	MB CLS 320 CDI Coupè E 280 CDI,-4matic,-T E 300 BlueTec E 350 BlueTec,-T E 350 CDI ,-4matic,-T E 320 CDI,-4-matic,-T E 400 CDI, G 400 CDI G 350, 400 ML 280, 300, 350 400 CDI, S 400 CDI R 280 CDI,-4matic R 320, 350 CDI 4-matic S 320 CDI,-4matic
	MB 628 150 00 60 642 150 08 60	INA F-236127 /.01/.02/.03/.04 F-236127.05/.06	M16	E10 200A, M10E 206A H8P 180A 000 150 19 50 000 150 22 50 013 154 64 02 013 154 70 02 014 154 13 02 628 154 01 02	
	Valeo repl.	588072			
	Pulley for	Mercedes Valeo Alternator:	3 5348 1		
	<b>3 5313 1</b>	Bosch F 00M 147 761 F 00M 991 167,282	17 / 61 x 34.9 7 Grooves	0 124 615 026 TG17C039 021 903 026 B	Audi Q7 3.6 FSI Porsche Cayenne 3.2 VW Phaeton 3.2/3.6 Touareg 3.2 / 3.6 FSI
	VW Delphi Hitachi	021 903 119 J,-L 10493077 GD1 15070 GD2 17756	M16	955 603 017 00 150A	
	Porsche INA Valeo repl.	955 603 152 00 F-235449 /.2/.03/.04/.05 588096			
	<b>3 5314 1</b>	Bosch F 00M 349 827 F 00M 991 181 F 00M 991 255	17 / 55 x 35.6 6 Grooves	0 121 715 029,129 0 124 625 014,019,033,045 E10 200A / H8P 180A	MB C 200 CDI,-Eco C 200 CDI Sport Coupè,-T-Model C 220 CDI,-Sportcoupè,-T-Model CLC 200, 220 CDI CLK 220 CDI E 200 CDI,-T-Model E 220/270/280/320 CDI,-T-Model S 320 CDI,-T-Model
	MB 646 150 02 60 646 150 03 60 648 155 00 15	INA F-235968 /.01/.03/.05 F-235968.06 /.07/.08/.09	M16	014 154 07 02	
	Valeo repl.	588019			Mitsubishi Grandis 2.0 DI-D Peugeot 307 CC 2.0 HDI Renault Scenic II 1.5 dCi
	<b>3 5317 1</b>	Denso Italy Ford 5M5Q-10344-AA 5M5Q-10344-AB	17 / 63 x 36.18 6 Grooves	4M5T-10300-CC Ford Focus 1.8 D	fits Shaft Decoupler Assy. 3 3593 1 Ford 5M5Q-10344-AA, AB  see chapter Isolator Decoupler Pulleys LITENS
	INA Valeo repl.	F-233608.1 /.02/.03 588042	M17		
	<b>3 5318 1</b>	Bosch F 00M 391 119 F 00M 991 300	17 / 76 x 33.6 no Groove	0 121 615 013,025,026, 0 121 615 029,126,129 0121 715 004,033,104,133	VW California T5 2.5 TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion Multivan T5 2.5 TDI,-4 Motion Phaeton 5.0 V10 TDI,-4 Motion Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion
	Iskra VW INA	070 903 201 C,-E F-237653	M16 w/o. dust cap	0 124 615 031 0 124 625 013,018 H8P 180A LIX 14C2.1 NCB2 150A, P10 180A 070 903 024,-A,-B,-F,-G,-H 3D0 820 805 E 740 820 805 E,-F 11.203.770 AAN7116	
	Replacement for NSK Pulley 3 5407 1				Climate Compressor 2.5 l Model AXD,AXE,BLJ
	for complete assy. with Eurogrip coupling EG1 see Pulley Kit 3 5401 1				

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5319 1</b> 	MAKO	83653301	17 / 61 x 35	2CIT-10300-BA	Ford Transit FT 330 K,L,M 2.0/2.4 FT 350 EL,L,M 2.0/2.4 FT 430 EL,L,M 2.0/2.4
	INA Valeo repl.	F-237045 /.02 588088	7 Grooves M17	R2C1T-10300-BA 1498518 4461712 110A	
<b>3 5320 1</b> 	Melco	JK58A-01636A	17 / 59 x 40.6	A2TC0981	Dacia Logan, Sandero 1.5 dCi Nissan Kubistar 1.5 dCi Renault Clio II, Kangoo, Thalia 1.5 dCi
	Renault INA	82 00 399 801 F-550379 /.01/.03	5 Grooves M16	77 11 467 099 82 00 373 636	
<b>3 5323 1</b> 	Bosch	F 00M 147 800	17 / 55 x 34.6	0 124 325 151,156	Audi A1 1.2/1.4 TFSI A3 1.4 TFSI, -Sportback SEAT Altea,-XL 1.4 TSI Alhambra 1.4 TSI Ibiza ,-SC,-ST 1.0 TSI Ibiza V 1.4 FSI,-Cupra,-Sportcoupe Leon 1.4 TSI Mii 1.0 Toledo IV 1.2 TSI Skoda Citogo 1.0, Fabia 1.2/1.4 Fabia 1.0 MPI,-Combi Octavia 1.4 TSI,-Combi Octavia 1.6,-Combi Rapid 1.2/1.4 TSI,-1.6,-Spaceback Roomster 1.2 TSI Superb 1.4 TSI,-Combi Yeti 1.2 TSI VW Beetle 1.2/1.4 Caddy III 1.2 VW Eos 1.4 TSI Golf V 1.4 TSI,-Variant Golf VI 1.2 TSI,- Variant Golf VI 1.4 TSI Golf VI 1.6 TDI Variant Golf VI 2.0 TDI Variant Golf VII 1.6,-Variant Golf Plus 1.2/1.4 TSI Golf Sportsvan 1.6 Jetta III + IV 1.4 TSI Passat 1.4 TSI,-Variant Passat 1.6 FSI,-Variant Polo 1.0,-1.2/1.4 GTI Scirocco 1.4 TSI Sharan 1.4 TSI Tiguan 1.4 TSI Touran 1.4 TSI up! 1.0 Eco fuel
	VW Valeo Valeo repl. INA	F 00M 591 103 F 00M 599 423,427 F 00M 991 204,283 F 00M 992 750 03C 903 119 A,-C,-D,-F 04C 903 119 2602484 261626 588018 F-240139 /.01/.02/.03/.04/.05 F-572716 F-576346	6 Grooves M16	0 124 525 038,074,093,188 0 124 525 200,201,220-223 0 124 525 527,543-545 0 125 811 026,088,113,114 0 125 812 001, 002 0 125 813 002,009 F 000 BL0 602,603,663,664,741, F 000 BL0 801,802,818,863,864 F 000 BL0 4K7,4K8,7N1,8A1,8C8 B3/BE3/BE5 110A, BE6 140A E8 140A/150A EL8 Plus 180A M8E 140A TG11C048, TG14C012 2542697,2543291 03C 903 023 A,-AX,-C,-D,-E 03C 903 023 F,-G,-S,-SX,-T 03C 903 024 F 03C 903 025 D,-F,-FX,-G,-J 03F 903 023 D,-DX,-F 04B 903 0230,C 04C 903 023 C,-D,-DX,-J,-N 04E 903 023,-B,-D,-DX,-S,-SX,-X 04E 903 024 D,-DX 12 31 7 628 243 12 31 7 645 044	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5324 1</b> 	Bosch VW INA	F 00M 147 808 F 00M 991 218,285 07K 903 119,-A F-240138 /.01/.02/.03	17 /61 x 37.24 5 Grooves M16 right	0 124 525 102,215,547 F 000 BL0 8G3,8G4 BE6 / E8 / M8E 140A 07K 903 023 A,-F,-FX,-G,-GX	Audi RSQ3 2.5 quattro RS3 2.5 TFSI Sportback quattro > 01/2011 TT RS 2.5 FSI Coupe quattro Roadster quattro > 07/2009 VW Bora 2.5 VW Jetta II + IV 2.5,-SportWagen Jetta Variant 2.5
<b>3 5326 1</b> 	Bosch INA Valeo repl.	F 00M 147 807,831,936 F 00M 991 216,231,293 F-238512.02 /.03/.05/.06 588040	17 / 53 x 36.8 7 Grooves M16	0 124 425 018,074,114 0 124 525 076,137,192,537 F 000 BL0 407,410,456,676 F 000 BL0 814,8D0 F 000 BL0 4C3,4C4,4C5,4C6 F 000 BL0 7AS,7AT,7AU,7AV F 000 BL0 814,841,8A5,8D0 B3 90A, B5 125A, BE6 150A E6/ M6E 120/125A EL6 150A E8/ M8E 150A 453 906 39 00, -40 00 23100-00Q0H,-00Q2E 23100-4BE0A,-4BE0B,-RP 23100-5424R, 23100-6007R 4434149 93198275 2310 008 03R,2310 015 68R, Smart 2310 019 10R,2310 050 79R, 2310 054 24R,2310 060 07R 2310 085 93R,2310 085 86R 8200 251 006, 8200 356 669 8200 660 022, 8200 660 822 8200 726 639, 8200 901 783	Dacia Logan 0.9,-MCV Sandero 0.9 Ford Mondeo III 2.0/2.5 V6 Nissan Interstar 2.2/2.5 Diesel Turbo Primastar 2.5 dCi 150 Mazda 6 1.8/2.0/2.3 Opel Movano 2.2 DTI Renault Captur 0.9 Clio IV 0.9,-Grandtour Grand Scenic II 2.0 dCi Laguna II,-Grandtour 1.9 dCi Megane II + III,-2.0 dCi,-Cabrio -Grandtour 2.0 dCi -Hatchback 2.0 dCi Master II 2.5 dCi Scenic II + III 2.0 dCi Symbol 0.9 Traffic II 2.5 dCi Smart Forfour 0.9/1.0 Fortwo 0.9/1.0 Coupe
<b>3 5328 1</b> 	Hitachi Delphi GM Opel INA Valeo repl.	GD2 18089 10511026 97355778 6204889 F-232353 /.01/.03 F-240113 /.01 588021	17 / 64 x 39.6 6 Grooves M16 fitting measure 19.0 mm	LR1100-503,-A,-B,-C LR1100-508,-B,-C,-F LR1110-502 LR1110-503,-B,-F LR1110-508 110A Isuzu 8-89355-198-1,-2 8-97189-113-3,-4,-5 8-97363-832-0,-1,-2 8-97363-833-0 8-97369-507-0 GM 9317 5799,-5944 9718 9112,-9113 9735 5198,-9198 9736 3832,-3833, 9736 9507,-9508 9805 6439,-6440 Opel 12 04 158,-618 62 04 183,-197-200, 62 04 252,-287 Remy DRA3794N	Opel Astra G/H 1.7 CDTI Combo 11 CDTI 16V Corsa C+D 1.7 CDTI Meriva 1.7 CDTI Zafira B 1.7 CDTI




# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5331 1</b> 	Visteon INA Valeo repl.	VP2PSU-10A352-BA,-CA F-235492 /.2 F-556614 588062	17 / 59 x 39.4  6 Grooves M16	2S6T-10300-AA, -AB, -AC 3S6T-10300-AA, -AB, -AC 3S6T-10300-AD	Ford Fiesta V 1.4 TDCi Fusion 1.4 TDCi Mazda 2 1.4 CD
	<b>3 5333 1</b> 	Valeo Valeo repl. Renault INA	595226 588027 82 00 489 514 F-236675.02 /.03/.04 F-561464 /.02/.03	17 / 52.63 x 40.8  7 Grooves M16	FG15T030 SG15L023,033,036 TG12C077,092 TG15C058,091,125,143 82 00 404 459,-D,-E 82 00 725 683 82 00 849 752 82 00 854 117 23 10 070 33R 23 10 075 62R 93161735, 93169475 23100-00Q0J
<b>3 5334 1</b> 	Bosch MB INA Valeo repl.	F 00M 349 829 F 00M 391 105,145 629 150 01 60 F-239992 /.01/.02/.03 588100	17 / 55 x 39.95  8 Grooves M16	0 121 715 013 0 121 813 004,005,105 H8P 180A H10P 220A 436718 629 150 00 50 629 150 04 50	MB E 420 CDI GL 420/450 CDI 4matic ML 420/450 CDI 4matic S 420/450 CDI
	<b>3 5335 1</b> 	Bosch MB INA Valeo repl.	F 00M 349 828 F 00M 391 104,144 629 150 00 60 F-239356 /.01/.02/.03 588090	17 / 55 x 43.4  8 Grooves M16	0 121 813 003,004,103,104 H10P 220A LI-X H3.1 220 A 013 154 09 02
<b>3 5337 1</b> 		Bosch Volvo INA Valeo repl.	F 00M 349 813 F 00M 391 113,139 30667682 F-553392 /.01 588064	17 / 58.4 x 40.62  5 Grooves M16	0 121 615 005,105 0 121 715 008,079,108,179 0 125 711 002,047,158,179 0 125 811 005,020,109,110 EL7 /H7P 150A EL8/H8P /LI-X M2.5 180A LIX 14C2.1 6G9N-10300-HA,HB,HC, 6G9N-10300-HD,-JB,-JD 6G9N-10399-HB 1379701,1388004 31285627 30659131,30659136, 30659341 30667118,30667119, 36000037,36000038, 36001105,36001341, 36001454




# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5338 1</b> 	Bosch	F 00M 349 878 F 00M 391 108,121,125	17 / 62.7 x 37.7	0 121 615 003,103 0 124 315 046	Ford Transit FT 300,330,350,430,460 TDCi 2.2/2.4/3.2 l
	Mazda	U201-18-W10	7 Grooves	0 125 711 005,018,046,049	FT 300,310,330,350,370,410,
	Toyota	27415-0L020 27415-0L040	M16	0 125 711 103,104,133,134 0 125 811 015,016,085,086	FT 430,460,470 2.2 TDCi,-HDT TDCi 2.2
	NTN	370V1-1		F 000 BL0 639,6AK,6BG,6CALand Rover	Defender 90,110,130
	INA	F-556174.01/.02		B3-110-156A	2.4 Td4
	Valeo repl.	588057		EL7 /H7P 150A	Ranger 2.2/3.2 TDCi,-4x4
				EL8 210A	Toyota Hilux II+II 2.5/3.0
				AB39-10300-AD,-AE,-AF	
				AC1T-10300-CA	
				BK3T-10300-EA,-EB	
				CC1T-10300-CA,-CB,-CC,-C	
				D	
				6C1T-10300-CA,-CB,-CC	
				6C1T-10300-CD	
				7H12-10300-AA	
			1404792,1581844		
			1729366,1730987,		
			1738113,1745662,		
			1747017,1800123,1820604		
			5215796		
			UK01-18-300A,-B		
			27060-0L020,-0L040,-0L050,		
			27060-0L060,-0L080,-0L090,		
			27060-0L100		
<b>3 5340 1</b> 	Bosch	F 000 BL9 038 F 00M 147 821,956 F 00M 991 219,313	17 / 59.7 x 40.6	0 124 425 037,071,093,111 0 124 425 115	Dacia Dokker 1.6, -4x4 Lodgy 1.6
	INA	F-550213 /.02/.08/.09/.11	6 Grooves	0124 525 081,082,139,140,	Logan (MCV) 1.6 16V
	Valeo repl.	588005	M16	0 124 525 208,534,540	Sandero 1.6 16V
				F 000 BL0	Nissan Cube 1.5 dCi
				407,628,703,719,825	Evalia 1.5 dCi
				F 000 BL0 4M9,6G17G5,7G6	Juke 1.5 dCi
				F 000 BL0 8E0	Micra 1.5 Diesel-Turbo
				B3 90/105/110A, B5 125A	NV200 1.5 dCi
				E6 120A, E8 150A,	Note 1.5 dCi 83,90,105
				M6E 150A, M6EON 120A	Qashqai+2 1.5dCi
				M8EON 150A	Tiida 1.5 dCi,-Hatchback
				23 10 019 56R	Renault Clio II 1.5dCi
				23 10 029 49R	Clio III 1.4,-Grandtour
				23 10 045 27R	Clio III 1.5 dCi,-Grandtour
				23 10 059 33R	Clio III 1.6,-Grandtour
				23 10 085 78R	Duster 1.6,-4x4
				82 00 379 736	Fluence 1.6
				82 00 390 667,675,676	Kangoo II 1.5 dCi
				82 00 660 033,034	Megane II 1.6 16V
				82 00 728 292	Megane II Cabrio 1.5/1.6
				82 00 992 211	Megane II Grandtour,-Hatchback
				23100-00Q2J	Megane III CC 1.6
				23100-JD10A	Modus 1.5 dCi,-1.6
				23100-4EA0A	Modus III CC 1.6
					Scenic II 1.5 DCi,-1.6 16V
				Thalia 1.5 dCi	
				SAIPA Tondar 90 1.6i	
<b>3 5342 1</b> 	Bosch	F 00M 147 828 F 00M 591 117 F 00M 599 463 F 00M 991 229	17 / 59.7 x 37.6	0 124 425 046 0 124 525 096	MB A180 CDI W176
	MB	607 150 00 60	6 Grooves	0 125 711 043,071	
	INA	F-550213.06 F-583172	M16	E6 120A, E8 150A	
				EL7-HED 175A	
				000 906 38 22	
				82 00 459 715,716	

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS






# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5344 1</b>	Bosch	F 00M 147 876 F 00M 991 247,287,932 F 00M A47 723	17 / 55 x 40.15	0 121 715 042,077,142,177 0 124 315 037 0 124 325 141,142,190 0 124 525 114,146,530 0 125 711 034,081,088, 107,108,129,130, 153,154	Audi A3 1.6/2.0 TDI > 09/2012 A3 3.2 Sportback quattro,-quattro A4 2.0 TDI,-Avant,-Allroad,-quattro A4 2.0 TDI quattro,-Coupè,-Sportback, A5 2.0 TDI Cabriolet,-Coupè,-quattro Sportback,-quattro A6 2.0 TDI,-Avant,-e,-e Avant Q5 2.0 TDI,-quattro TT 3.2 Coupè/Roadster quattro
	Valeo	2604787 2618124	6 Grooves M16		
	Valeo repl.	588016			
	VW	045 903 119, -A 03G 903 119 B 06J 903 119 A		0 125 811 008,035 F 000 BL0 800,8A0 KCB1 70/90/110A BE6 140A E4 110A / E8 140A EL7-HED 150A EL8 Plus 180A M 8E 140A / H8P 180A	Skoda Fabia, -Combi 1.4 TDI Octavia 2.0 TDI Praktik 1.4 TDI Roomster 1.4 TDI Superb 1.6/1.9/2.0 TDI 3.6 V6 4x4,-Combi 4x4
	INA	F-551406 /.01/.02/.03 F-551406.04/.05/.07/.08		03G 903 023 B 03G 903 016 B,-BX,-E,-EX, 03G 903 016 L,-LX,-N,-NX 03G 903 023 F 03L 903 017,-E,-EX,-X 03L 903 023 K,-M 045 903 023 C,-D,-H,-HX 04L 903 017,-D,-DX,-E,-EX,-X 06F 903 023 C,-D,-H,-HX, 06F 903 023 L,-N	SEAT Cordoba 1.4 TDI Exeo 2.0 TDI Ibiza 1.2/1.4 TDI, -1.9 TDI Ibiza Sportcoupè Leon 1.6/2.0 TDI Skoda Fabia, -Combi 1.4 TDI Octavia 2.0 TDI Praktik 1.4 TDI Roomster 1.4 TDI Superb 1.6/1.9/2.0 TDI 3.6 V6 4x4,-Combi 4x4 VW Amarok 2.0 TDI/BiTDI,-4M California T5 2.0 TDI Caravelle T5 2.0 TDI,-4M Crafter 2.0 TDI Eos 3.2,-FSI Fox 1.4 TDI Golf V 3.2 R32 Golf VII /-Variant 1.6/2.0 TDI Multivan T5 2.0 TDI,-4Motion Passat 3.2 FSI 4Motion,-Variant 4M 3.6 FSI ,-4Motion,-CC 4M 3.6 FSI Variant,-4M 3.6 FSI R36,-Variant Polo 1.4 TDI,-Classic 1.4 TDI Transporter T5 2.0 TDI,-4M
<b>3 5345 1</b>	Valeo	593618, 593930	17 / 50 x 36.45	2542771B	MB A160 / A170 CDI B180 / B200 CDI Vaneo 1.7 CDI
	Valeo repl.	588025		SG9B052	
	MB	640 150 01 60 / 03 60 / 04 60 640 150 05 60 668 155 01 15 / 02 15/ 06 15	5 Grooves M16	SG15L012,026 TG15C034,056 437415, 439455	Mitsubishi Colt VI 1.5 DI-D Smart ForFour 1.5 CDI
	Mitsubishi	MN960267		668 154 01 02 668 154 02 02 668 154 03 02 012 154 01 02 A6401540202	
	INA	F-232030.02 /.03/.04/.05/.06 F-232030.07/.09/.10 /.11/.12 F-239809/ .01/.02 /.03 F-553857/ .01/.02/.03/.04			
		alternative product Litens	3 5444 1		
<b>3 5346 1</b>	BMW	12 31 7 682 217	17 / 57.6 x 32.3	12 31 7 676 907	BMW Motorcycle 1100 ccm K25,26,27,28
	INA	F-550395 /.01/.02	4 Grooves M16 w/o. dust cap		
					



# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5347 1</b> 	Valeo Valeo repl. Bosch  Renault  INA	595210, 595407 588004, 588023 F 00M 147 906 F 00M 992 723 77 00 110 616 77 01 477 689 82 00 548 796 F-550181.03/.04/.05 F-557755  Replacement for 3 5303 1 Rubber Clutch	17 / 59 x 42.5  6 Grooves M16	0 124 415 038,041,045 KCB2 98A SG9B033 SG10B016 SG12B089,105 TG11C034,041,066,069 77 00 101 274 77 01 477 712 77 11 134 526,564 82 00 019 706 82 00 030 635 82 00 385 098 82 00 386 806 82 00 438 148 82 00 537 415 82 00 660 040 82 00 667 608	Dacia Duster 1.5 dCi Lodgy 1.5 dCi Logan 1.4i Logan 1.5 Diesel Sandero 1.5 dCi / 1.4 / 1.6 Nissan Almera 1.5 dCi Kubistar 1.5 dCi Micra III 1.5 dCi Note 1.5 dCi NV200 1.5 dCi Tiida 1.5 dCi Renault Clio II 1.4 / 1.5 dCi Fluence 1.5dCi Grand Scenic 1.5 dCi Kangoo 1.5 dCi / 1.4/ 1.6 Laguna I +II 1.6 Megane I+II+III 1.4/1.5 dCi/1.6 Scenic I+II+III 1.4/1.5dCi/1.6 Thalia I+II 1.5 dCi
<b>3 5348 1</b> 	Valeo Valeo repl. MB INA  Pulley for	595239 588093 642 150 07 60 F-551657.01/.02/.03/.04/.05  Bosch Alternator see:	17 / 55 x 52.3  8 Grooves M16  3 5312 1	440053 439583 642 154 0502	MB G 320/350 CDI GL 320/350 CDI ML 280/300/320/350 CDI R 280/300/320/350 CDI
<b>3 5349 1</b> 	Hitachi  INA	GD2 18964  F-550879 /.01	17 / 59 x 41.5  7 Grooves M16		Nissan 1.5 l gas
<b>3 5351 1</b> 	Hitachi Nissan INA	GD2 18509 23151-EN20A F-551034 /.01	17 / 54 x 40.3  6 Grooves M16	23100A4400 23100A4420 23100AU400 23100AU420 23100AU424 23100EN20B	Nissan X-Trail 2.0 / FWD Tiida 1.8
<b>3 5352 1</b> 	Hitachi Nissan INA	GD2 18752  F-551759 /.01	17 / 59 x 42.2  7 Grooves M16		Nissan


# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5353 1</b> 	Melco Mazda	A628X92071 RF5C-18-330 RF5C-18-W11 RF5C-183-30A	17 / 65 x 39  8 Grooves M17	A003TB4981 RF5C-18-300 RF5C-18-W11 90A	Mazda 3 2.0/2.2 5 1.6/2.0 6 2.0/2.2 CX-7 2.2 MPV II 2.0
	Mitsubishi INA Valeo repl.	A6 28X9 2071 F-236001 / .01/.02 588053			
<b>3 5354 1</b> 	Visteon INA Valeo repl.	VP2M5U-10A352-AA VP6S4U-10A352-AA F-235931 / .02 588103	17 / 62 x 37  6 Grooves M16	1097304 1301496 2M5V-10300-AA 2M5Z-10346-AB 2MSU-10300-AA 4S4T-10300-BC 4S4Z-10346-BA 5S4T-10300-BB,-BD 5S4Z-10346-BA	Ford Focus 2.0 16V Kombi,-Stufenheck RS ST 170
<b>3 5355 1</b> 	Denso FIAT INA Valeo repl.	021040-1400 021040-1570 773 641 48 F-239912.01/.02/.03 588098	17 / 65.4 x 37.5  5 Grooves M14	50500728 104210-2780 104210-5020, -5021 063377015010 63377015	Alfa 159, -Sportwagon 2.4 JTDM Brera 2.4 JTDM Spider 2.4 JTDM FIAT Croma 2.4 D Multijet
<b>3 5356 1</b> 	Denso Hyundai INA Valeo repl.	081020-0010 081020-0011 37322-27500,-27501 5-021040-108 F-233106.1/.2/.03/.04/.05/.06 588076	15 / 65.5 x 37.47  6 Grooves M14	100213-2940, -2950 100213-2980, -2990 100213-2991, -2993 102213-2993	Hyundai Accent I+II 1.5 CRDi Getz 1.5 CRDi Matrix 1.5 CRDi
<b>3 5357 1</b> 	Denso FIAT Saab INA Valeo repl.	121041-1140 773 639 48 12 759 596 F-238822 / .01/.02 588045	17 / 58 x 40.9  6 Grooves M17	101210-0160,-0161 51727338 51727339 633 215 07 633 218 59 633 770 04 MAN7004	Alfa 159, -Sportwagon 1.9/2.0 JTDM Brera 2.0 JTDM MiTo 1.6 JTDM Spider 2.0 JTDM FIAT Bravo II 1.4/1.6/1.9 Croma 1.9, Doblo 1.6/2.0 Idea 1.6/2.0, Linea 1.6 Punto 1.6/1.9, Stilo 1.9 Ducato 2.0 Lancia Musa 1.6/1.9 Diesel Saab 9-3 1.9, 9-5 1.9
<b>3 5358 1</b> 	Melco INA Valeo repl.	A252C54375 F-550379.02 588061	17 / 59.7 x 44.8  6 Grooves M16	A2TC0982 82 00 468 131	Dacia Logan 1.5 dCi Sandero 1.5 dCi Renault Clio II 1.5 dCi Kangoo 1.5 dCi Twingo 1.5 dCi

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS




# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5360 1</b> 	John Deere	AL158161 AL161112 AL166836	17 / 61 x 38.7	AL111675 AL114092 AL166645 AL166646 RE204426 IA 1052 90/115/150A	Tractor 6020,6029 4/6 cyl. Serie-6 6210R, 6230, 6430
	Iskra INA	F-233379.01/.02  Replacement for LITENS	8 Grooves M16  3 5370 1		
<b>3 5362 1</b> 	Denso Italy FIAT	8362516 9 948 513 9 949 129 9 951 269	17 / 65.5 x 40.4	102211-8270 102211-8640,-8641,-8650 102211-8651,-8660,-8661 467 744 30 467 822 13 468 090 68 633 219 40 633 770 05 633 774 91,-92 735 015 91 735 032 35 MAN7491,-7492	Alfa 145 1.4 146,147 1.9JTD 156 1.9JTD/2.4JTD 159 JTDM 166 2.4 JTD GT 1.9 JTD Cadillac BLS 1.9 D FIAT Brava 1.9 JTD Bravo I 1.9 JTD, TD Bravo II 1.4, 1.6D Multijet 1.9 D Multijet Croma 1.9 D Multijet Doblo 1.9 D/JTD Idea 1.9 JTD Marea 1.9/2.4 TD/JTD Multipla 1.9 JTD Palio 1.9 D/JTD Punto 1.6/1.9 JTD Seidici 1.9 D Multijet Stilo 1.9 D/JTD Lancia Delta III, Lybra, Musa, Thesis 1.6/1.9/2.0/2.4 JTD Opel Astra H 1.9 CDTI Signum 1.9 CDTI Vectra C 1.9 CDTI Zafira B 1.9 CDTI Saab 9-3 1.9TiD 9-5 1.9TiD Suzuki SX4 1.9 DDiS
	GM/Saab Opel VM Motori INA Valeo repl.	93182514 1204413 MSY83625-1600 F-554053.01/.02 588009  long version of 3 3540 1 usable w/o. distance ring	6 Grooves M17		
<b>3 5366 1</b> 	Valeo DB INA	593977 266 155 01 15 F-238419.02 F-239973 /.01/.02/.03/.04/.05	17 / 52 x 36.45	DB 266 154 09 02 TG11C021,035,074 115A	MB A (W169) 150,170,180,200 B (W245) 150,170,180,200
			5 Grooves M16		
<b>3 5369 1</b> 	Bosch	F 00M 147 878 F 00M 991 248	17 / 53.3 x 34.65	0 124 425 038,075 F 000 BL 0 787 E6/M6E 120A B5 125A 82 00 162 474 82 00 262 318 23100-0003R 23100-0012R 93161425 8251641	Opel Movano 1.9/2.2 DTI Vivaro 1.9 DTI,-CDTI Vivaro 2.5 CDTI Renault Clio III 2.0 16V Laguna I 1.9 DCI Laguna II 1.9 DCI Master 1.9 dCI 80 Trafic 1.9/2.2 DCI Volvo S40 I 1.9D V40 I 1.9D
	Nissan Opel Volvo INA	F-553448	6 Grooves M16		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5373 1</b> 	Denso FIAT INA	121041-1440 773 646 16 F-558432.02	17 / 58.12 x 39.8  5 Grooves M17	51718502 51788658 51859043 51854903	Alfa Giulietta 1.4 TB >04/2010 MiTo 1.4,-TB / 1.6 JTDM >09/2008 FIAT 500,-C 0.9 >09/2009 Bravo II 1.4/ 1.4 16V/ T-Jet >04/2007 Doblo,-Cargo 1.4 Natural Power Grande Punto 1.4/ 1.4 16V,-Abarth, Natural Power 1.4 T-Jet Linea 1.4 T-Jet Panda 0.9, -4x4 Punto 1.4/ 1.4 16V,-Abarth, -Natural Power, T-Jet Punto EVO 1.4/ 1.4 16V,-Abarth, -Natural Power Lancia Delta III 1.4/ 1.4 16V >09/2008 Lancia Delta III 1.6 D Multijet >07/2010 Ypsilon 0.9 Twinair >05/2011
		continued 3 5373 1 continued			
<b>3 5374 1</b> 	Valeo Valeo repl. MB  Jeep INA	593960 588049 642 150 03 60 642 150 06 60 05175811AA F-239808/ .01/.02/.03 F-239808.04 /.05/.06	17 / 55 x 49.3  7 Grooves M16	2542969C,2542989C TG17C028,030,030B 439546 A6421540202 A6421540402 04801250AA,-AB,-AC,AD	Chrysler 300C 3.0 CRD Jeep Commander 3.0 CRD Grand Cherokee III 3.0 CRD MB C 320/350 CDI CLK 320 CDI CLS 320/350 CDI E 280/300/320/350 CDI G 320/350 GLK 320/350 CDI GL 320/350CDI ML 280/300/350 CDI R 350 Sprinter 218,219,318,319 419,518,519 Viano 3.0 Vito 120/122
<b>3 5376 1</b> 	Mitsubishi  INA	A252C52775 JK58A01635A F-550426	17 / 59 x 37.9  6 Grooves M17	A004TJ0084,A,-B,-C 180A 5705 AX,-EE 9646065180	Alfa 159 Sportwagon 1.8 MPI Citroen Berlingo 1.6 C4,C5,C6,C8 1.6/2.0/2.2 Jumpy 2.0/2.2 HDi Fiat Scudo, Ulysse, Phedra 2.0/2.2 D / JTD Peugeot 407,308,607,807 2.0/2.2 HDi Expert 1.6/2.0/2.2 HDi Partner 1.6/2.0/2.2 HDi
<b>3 5380 1</b> 	Bosch  GM Opel INA	F 00M 147 875 F 00M 991 246 55558734 1204419 F-552861	17 / 61 x 37.7  5 Grooves M16	0 124 425 048,061 E6 120A, M6E 125A 13 229 989 93 190 894	Opel Signum 2.0Turbo/2.2direct Vectra C 2.0Turbo/2.2direct
		Replacement for	LITENS 3 3572 1		
<b>3 5381 1</b> 	Bosch  GM Opel INA	F 00M 147 880 F 00M 991 251 55560294 1204484 F-553322 /.01	17 / 59.1 x 40.15  5 Grooves M16	0 124 425 060 M6E 120A 93188158 13 222 933 62 04 218	Opel Astra H 1.6,-Caravan,-Turbo,-Turbo Caravan 1.6 Turbo GTC,-Turbo TwinTop 1.6i Turbo Twin Top 1.8, 1.8i,-Caravan,-Turbo,-TwinTop Corsa D 1.6i OPC Turbo,-Turbo Meriva 1.6 Turbo Vectra C Caravan 1.9 CDTI Zafira B 1.6/1.8 CNG Turbo



# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5384 1</b>	Bosch	F 00M 349 877 F 00M 391 107,118,120 F 00M 599 403	17 / 64 x 36.3 6 Grooves	0 121 615 002 0 125 711 001,017,058,059, 711 097,098,101,102 711 131,132 0 125 811 013,014,021,029 811 083,084 H7P/EL7 150A, EL8 180A 9658 144 680 9659 918 080 9674 987 580 9676 143 580 9677 608 580 9678 867 980 AC1T-10300-BA BK2T-10300-BB,-DA,-DB CC1T-10300-BA,-BB,-BC,-B D 6C1T-10300-AA,-AB 6C1T-10300-BA,-BB, 6C1T-10300-BC,-BD, 6C1T-10300-CA,-CB,-CC 7H12-10300-AA 1404791, 1404792 1581843, 1581844 1712779, 1745661 1797966 5705 EA	Citroen Jumper 2.2 HDi FIAT Ducato 11/15/17 Multijet 2.2 JTD Fiorino 1.4 Qubo 1.4 Ford Transit FT 260/280/300 2.2 TDCi FT 330/350 2.2 TDCi Transit Euroline, -Nugget, Tourneo 2.2 TDCi Peugeot Boxer 2.2 HDi
	FIAT	773 640 82 773 669 57	M16		
	Ford INA Valeo repl.	F-554766 /.01 588033			
		continued 3 5384 1 continued			
<b>3 5385 1</b>	Bosch	F 00M 349 823 F 00M 391 124	17 / 61 x 36.1 5 Grooves	0 121 615 014,114 0 125 711 014,023,040, 0 125 711 048,053 EL7 / H7P 150A 30773111 31288879,31288880 36000207,36000613 36001497 AM5T-10300-SA 6M5T-10300-SA 1541451	Ford Kuga 2.5i 4x4 Volvo C30 2.4i, C30 D3,-D4,-D5,-T5 C70 II 2.4,-D,-i Cabrio, D4,-D5,-T5 Cabrio S40 II 2.4,-2.4i,-2.5i,-D3,-D4,-D5 2.5 T5,-AWD S60 II 2.0 T4 V40 II D3,-D4,-T5 CC 2.0 D3,-D4,-T4,-T5,-AWD V50 2.4, -2.4i, D3,-D5,-T5,-T5 AWD V60 2.0 D4 AWD,-T5
	Volvo INA	30667980 F-557564	M16		
					
<b>3 5386 1</b>	Bosch	F 00M 349 824,899 F 00M 391 158 F 00M 991 260	17 / 53.3 x 34.4 7 Grooves	0 121 715 016-018 0 121 715 117 H8P 180A 12 31 7 542 351 12 31 7 550 469 12 31 7 557 789 12 31 7 558 219 12 31 7 582 699 12 31 7 560 985 12 31 7 560 986	BMW 116i, 118i, -Cabrio 120i,-Cabrio /135i,-Cabrio,-Coupe 316i, -Coupe, 318i, -Touring 320i, -Cabrio, -Coupe, -Touring, x-Drive 335i, -Cabrio, -Coupe, -Touring 335xi, -Coupe, -Touring 520i, -Touring 535i, 535xi, -Touring,-xDrive M Coupe X5 3.0 si,-xDrive 30i
	BMW INA	0 121 C00 401 12 31 7 560 678 F-554007.02 /.03	M16		
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
<b>3 5387 1</b>		Bosch	F 00M 349 870 OAP F 00M 349 859 solid F 00M 391 131 solid F 00M 391 140 OAP 12 31 7 561 556 solid 12 31 7 575 518 OAP	17 / 55 x 40  6 Grooves M16	0 121 615 012,027,127 0 125 711 011,078 H7P 151A EL7 150A FG15T044,-072 7575650 12 31 7 553 009 12 31 7 562 388 12 31 7 574 365 12 31 7 575 650,872,873 12 31 7 576 550 12 31 7 604 782 12 31 7 613 445 12 31 7 794 970 12 31 7 806 779 5702 G3,-H9,-L3 5705 JG,-KF,-N3 V7 553 00980 V7 574 36580 V7 577 12180	Mini Cooper,-Cabrio,-Clubman, Cooper Countryman,-Coupe, Cooper Roadster, Paceman Cooper S,-Cabrio,-Clubman, Cooper S Countryman,-Coupe, Cooper S Roadster One,-Cabrio,-Clubman, One Countryman Citroen Berlingo 1.6i 16V VTi C4 1.6 THP,-Coupe C5 1.6 THP,-Tourer DS3/DS4/DS5 1.6 THP Peugeot 207 1.6i,-RC,-SW RC,-THP 207 CC 1.6i,-THP 308 1.4 VTi,-SW 308i 1.4,-SW 308 1.6i,-SW,-THP,-THP SW 308 CC 1.6i,-THP 508 1.6 THP/VTi 3008 1.6i 5008 1.6i,-THP Partner 1.6i RCZ 1.6i THP
		BMW PSA INA	F-560565	better choice for solid Pulleys F 00M 349 859 and F 00M 391 131		
<b>3 5388 1</b>		Bosch	F 00M 349 869 F 00M 591 114 F 00M 599 441,500 ALP2364, TA436 773 672 53 IVECO 504 0887 96 Porsche 9A160395501 PSA 574087 INA F-550532/.01/.02 F-556500/.01	17 / 59 x 36.1  6 Grooves M16	0 121 615 017 0 124 325 122 0 124 525 064,125 0 125 711 039,083,111,112, 117,118 0 125 811 039,040,061,062 101,102 F 000 BL0 777,778 C5 150A E4 110A E8 140/150A EL8 210A H7P 150A 504 0578 13 504 0871 83 504 2041 73 504 3851 37 504 3851 38 5801580939 5801580941 5801671985 5801872335 9A160301201,801,802 9A1 603 012 00 9A1 603 014 00 9A2 603 018 00 5705 EH,-KL,-KN	Citroen Jumper 3.0 HDi FIAT Ducato 11/ 15 160 Multijet 17 140 Natural Power 17 160 Multijet Maxi 17/ 20 160 Multijet Iveco Daily 35 C 13,14,15,17,18 35 S 14,15,17,18 40 C 14,15,17,18 40 S 16 45 C 15,18 45 S 14,16, 50 C 14,15,17,18 55 C 16 55 S 17,18 60 C 15,17,18 65 C 14,15,17,18 70 C 14,15,16,17,18 Iveco Massif 3.0 Scudato 70 C 16 Multicar Famo 3.0 Peugeot Boxer 3.0 HDi Porsche 911 3.4 Carrera,-4,-Black Edition 3.4 Carrera Cabriolet,- 4 3.4 Cabriolet,-\$ Black Edition 3.4 Targa 4 911 3.6 Carrera,-4 3.6 Carrera Cabriolet,-4 3.6 Targa 4 911 3.8 Carrera GTS,-4 GTS,-GT3 3.8 Carrera Cabriolet,- 4 GTS 3.8 S Carrera,-4 3.8 S Carrera Cabriolet,-4 3.8 S Targa 4 3.8 Sport Classic,-Targa 4 GTS, 3.8 Turbo 4,-Cabrio,-4,-Coupe 3.8 Turbo S 4,-Cabriolet,-4 911 Speedster 3.8 Cabriolet 911 4.0 GT3 RS Boxster 2.9,-3.4 GTS,-S, Spyder 3.4 Cayman 2.9,-3.4 GTS,-R,-S 3.8 GT4
		Dayco FIAT IVECO Porsche PSA INA				




# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5390 1</b> 	Denso	121041-0580	17 / 59 x 39.4	101210-0950,-0951,0960, 101210-0961,-0970,-0971, 102211-8610,-8620,-8630	Alfa MiTo 1.3 JTDM FIAT 500,Doblo,Punto,Fiorino Idea,Linea,Qubo Lancia Musa,Ypsilon 1.3 JTDM / D Multijet Opel Agila 1.0/1.2/1.3 Astra G/H 1.2/1.4 Combo, Corsa C+D 1.3 CDTI Meriva,Tigra 1.3 CDTI
	FIAT	773 647 23	6 Grooves		
	GM	93192215	M17		
	Opel	6204286			
	INA	F-557928/ .01			
	Valeo repl.	588012			
		Replacement for LITENS 3 3596 1			
<b>3 5391 1</b> 	Valeo	2604126 2604640	17 / 55 x 45.75	439585,439619 440057 TG17C041, FG18S012	MB C 180/200/220/250/350 CC 63AMG CLS 250/63AMG E 200/220/250 GLK 200/220/250 ML 63 AMG S 63AMG SL 350 / 63AMG SLK 200/250/350/AMG SLS 6.2 Sprinter Viano 2.0/2.2 Vito 109-111,113 115,116 CDI/CGI
	Valeo repl.	588031	6 Grooves		
	MB	646 155 01 15	M16	646 154 01 02	
		278 150 00 60		646 154 08 02	
	INA	F-552901.02 / .03/.06		646 154 09 02	
				646 154 11 02	
<b>3 5392 1</b> 	Valeo	595258	17 / 60 x 49.75	440127,440128 271 154 14 02	DB C 160 Sportcoupe Kompressor C 180 Kompressor,-Kombi,-Sportcoupe C 200 Kompressor,-Kombi C 200 CGI Kompressor,-Kombi C 230 Kompressor,-Kombi C 250 CGI,-Kombi CLC 160, 180, 200 Kompressor CLK 200 Kompressor,-Cabriolet CLK 200 CGI,-Cabriolet E 200 CGI,-Kombi E 250 CGI,-Kombi SLK 200 Kompressor Cabriolet
	Valeo repl.	588052	7 Grooves		
	DB	271 155 02 15	M16	271 154 15 02	
	INA	F-557311 / .01			
<b>3 5393 1</b> 	Bosch	F 00M 991 192 2 008 600 027	17 / 61 x 35	0 124 315 019,027 0 124 325 100 E4 110A YC1T-0300-BC,-BD,-BE, YC1T-0300-BG,-BH 2C1T-10300-BA 4098414, 4461712 437690 1516508R	Ford Transit 2.4 TD,-TDE,-TDI,-TDCi FT 260,280,300,310, FT 330,350,430
	INA	F-563432	7 Grooves		
		Replacement for LITENS 3 3562 1	M16		
<b>3 5394 1</b> 	Denso	021040-1070	15 / 65 x 41.2	101211-4720 102211-5600,5670 104210-8020,9011 27060-0L010,-0L021 27060-30020,-30030,-30050	Toyota Hiace IV Hilux II+III Land Cruiser 2.5/3.0 D
	Toyota	27415-0L010 27415-0L030 27415-30020	7 Grooves		
			M14		
	NTN	214V1-1			
	INA	F-567525			
	Valeo repl.	588082			
		O.E. product alternative product		3 5379 1 3 5434 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5395 1</b> 	Denso Toyota	27411-33050 27415-33010 DJA 1893 IR F-568860 588097	15 / 64.4 x 39.9  5 Grooves M14	101211-5660 102211-5660 27060-33020 70 A	Toyota Yaris 1.4 D-4D Yaris Verso 1.4 D-4D
	NTN INA Valeo repl.	alternative product for NTN-Type			
<b>3 5396 1</b> 	Denso		17 / 59 x 42.05  6 Grooves M14	104210-3511-3513, -3521,-3523 1229258,1255712,1477737 3M5T-10300-PB,-PC,-PD 3M5T-10300-YC,-YD,-YE 633 219 36 ,633 774 16 Y601-18-300 30667067,30667068 30795422, 30795423 36000598, 3600599	Ford C-Max 1.6 /2.0 TDCi Fiesta VI 1.6 TDCi Focus II 1.6 /2.0 TDCi,-Turnier Fusion 1.6 TDCi Kuga 2.0 TDCi,-4x4 Mazda 3 1.6 MZ/MZR-CD,-Hatchback Volvo C30 1.6/2.0 D C70 II 2.0 D Cabrio S40 II 1.6/2.0 D V50 1.6/2.0 D
	Ford Mazda Volvo Koyo INA Valeo repl.	8603182,8666579 DCA 1834 IR F-568861, F-565229 588011	alternative product for Koyo-Type  replacement product 3 5425 1		
<b>3 5397 1</b> 	Denso Ford Koyo INA Valeo repl.	WCPN36RCX,-DX F-570680 588054	17 / 53 x 44.6  6 Grooves M14	104210-3760,-3761,-3762, 104210-3821,-5770 3M5T-10300-NB,-NC 3M5T-10300-VB,-VC,-VD 1S7T-10300-CB,-CC,-CD 1120213,1140694,1151213 1256552 36002574, 36002575 8603271, 8603272	Ford C-Max 2.0 Focus C-Max 1.8 Focus II 1.8/2.0 Galaxy 2.0 Mondeo III 1.8 S-Max 2.0 Volvo C30 1.8/2.0 S40 II 1.8/2.0 V50 1.8/2.0
		alternative product for Koyo-Type			
<b>3 5400 1</b> 	VW	070 903 327 C 070 903 201 E 953710	62.2 / 78.5 x 35	Eurogrip-Coupling EG1  fits Bosch Pulleys F 00M 391 119,300  complete Pulley Kit	3 5318 1  3 5401 1
	Litens				
<b>3 5401 1</b> 	Bosch	F 00M 391 119 F 00M 991 300 070 903 201 C	17 / 76 x 33.6  w/o. dust cap	0 121 615 013,025,026, 0 121 615 029,126,129 0 121 715 004,033,104,133 0 124 615 031 0124 625 013,018 H7P 150A / H8P 180A LIX 14C2.1 NCB2 150A, P10 180A 070 903 024,-A,-B,-F,-G,-H 3D0 820 805 E 740 820 805 E,-F	VW California T5 2.5 TDI,-4 M Caravelle T5 2.5 TDI,-4 M Multivan T5 2.5 TDI.-4 M Phaeton 5.0 Touareg 2.5 RS TDI Transporter T5 2.5 TDI,-4 M  Climate Compressor 2.5 l Model AXD,AXE,BLJ
	VW	Pulley Kit: INA Pulley with Eurogrip Coupling EG1	3 5318 1 3 5400 1		










IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5403 1</b> 	Marelli	8362397	17 / 65.5 x 39.1		Alfa 145,146,156 1.9/2.4 JTD FIAT Brava, Bravo I, Doblo, Marea Multipla, Punto 1.9/2.4 Lancia Kappa 2.4 Lybra 1.9/2.4
	FIAT INA	551 963 01 F-230866/ .01/.03/.08 / .09 F-230866.12	6 Grooves M17  long version of 3 3540 1		
<b>3 5410 1</b> 	Bosch	F 00M 147 999 F 00M 991 172	17 / 57.5 x 33	0 124 525 035 0 124 615 027	Citroen Berlingo 1.6 HDi, 1.9 D C2 1.4/1.6 HDi C3 1.6 HDi,-Picasso,-Pluriel 1.4 HDi C4 1.6 HDi,-Coupe C4 2.0 HDi,-Coupe,-Picasso C5 1.6 HDi,-Break,-Tourer C5 2.0 HDi,-Break,-Tourer C5 2.2 HDi,-Break C8 2.0/2.2 HDi Evasion 2.0 HDi Grand C4 Picasso 1.6/2.0 HDi Jumper 2.0 HDi, 2.2 HDi Jumpy 1.6 HDi,-1.9 Diesel,-2.0 HDi Xsara Picasso 1.6 HDi
	INA	F-232369/ .02/.03/.09 F-232369.11	6 Grooves M16  distance from alternator to first groove 6.50 mm  see also 3 3573 1 distance from alternator to first groove 8.0 mm	FIAT 9646 065 480 9646 321 880 PSA 57055 AA,-AS 96 408 787 96 463 218	
<b>3 5411 1</b> 	Mitsubishi	A252C564FE	17 / 69 x 39.5	A3TG2681	Nissan Cabstar 28.11 / 35.13 / 45.13 Murano 2.5 4x4 Navara 2.5 dCi -4WD Navara Pickup 2.5 Diesel Pathfinder 2.5 dCi
	Nissan INA Valeo repl.	23151-EB301 23151-EB30A F-552386.01 588069	7 Grooves M17	A3TJ0781, -AE,-ZE 23100-EB31B 23100-EB310 23100-EB315 150A	

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5414 1		Valeo 595286	17 /61 x40.3	439607,440123	Hyundai Accent II, Elentra, Matrix 1.4/1.5/1.6
		Valeo repl. 588043			
	Honda	37322-2A000	5 Grooves	TG12C033	KIA
	Hyundai/KIA	37322-2A110	M16	2543370, 2655475	Ceranto, Pride
	INA	F-236071.02 / .05		37300-2A100,-110,-500	Cee'd 1.6
					Picanto, Rio II+III, Soul 1.5/1.6 CRDi
					Venga 1.4/1.6
3 5416 1		Melco	17 /54.7 x 41.8	A003TG3691ZE	Citroen Berlingo 1.6 VTi
		PSA			
	INA	F-560968	6 Grooves	A005TG0881ZE	C4 1.6 VTi/THP
			M17	440174	C5 1.6 VTi/THP
		for Melco Units only		5702 J0,-J3	DS3/DS4 1.6 VTi/THP
		for Valeo Units	M16	5705 KG,-KQ	Peugeot 207,208,308 1.4/1.6
			use 3 5419 1	120 A	508 1.6
					3008 1.6
					5008 1.6
					Partner 1.6
3 5417 1		Melco	17 /53.3 x 38.3	A002TX0481	Dacia Dokker 1.2 TCe
	Nissan	23151-JG71B	7 Grooves	A003TJ3881	Lodgy 1.2 TCe
	INA	F-552305	M17	A003TX0481	Nissan Qashqai 1.6/2.0 dCi
	Valeo repl.	588063		A004TJ0282,-ZE	X-Trail 2.0 dCi
				A004TJ0381,382	NV 400 2.3 dCi
				A004TJ0982	Opel Movano B 2.3 CDTI
				A004TJ0982	Renault Espace IV 2.0 dCi
				23100-00Q3E	Koleos 2.0 dCi
				23100-JD71A	Laguna III 2.0/3.0 dCi
				23100-JG71A,-B	Latitude 2.0/3.0 dCi
				77 11 368 888	Master III 2.3 dCi
				82 00 404 465	Megane III 1.2/1.4 TCe
				82 00 571 531	-2.0 dCi
				82 00 654 785,789	Scenic III 1.2/1.4 TCe
				82 00 960 536,538	-2.0 dCi
				23 10 00 24R	
				23 10 018 22R	
				93168346	
3 5418 1		Melco	17 /59 x 37.6	A002TJ0881	Citroen C-Crosser 2.4
	Mitsubishi	1800-A061	6 Grooves	A002TX1981ZT	6 1.8(2.0/2.3
		1800-A313	M17	A003TG0081,-A	Mitsubishi ASX 1.8
	Ford			A003TG2881	Lancer 1.8/2.0
	Mazda	LF18-18-330,-A		A003TG3181	Outlander II 2.0/2.4
		LW18-18-W11,-A		A003TJ0181ZC,-0182	Nissan Micra IV 1.2
	Subaru	23750-AA070		A003TL0081	Peugeot 4007 2.4
	INA	F-238163 / .01/ .02/ .03/ .04		A004TJ0181,-ZC	
		F-552562		A004TJ0182,-ZC,-ZCKD	
		F-577572		4W73-10300-AC	
	Valeo repl.	588087		4W7Z-10346-AC	
		Replacement for 3 5332 1		6W7T-10300-AB	
				6W7Z-10346-AA	
				FW73-10346-AC	
				LF18-18-300	
				Z668-18-300,-A	
				1800A053, 1800A121,	
				1800A155, 1800A288	
				23100-3HD1A	
				23700-AA78A	
				23700-AA790	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5419 1</b>	Valeo	2605074	17 / 54.7 x41.05	439617,440174	Citroen Berlingo 1.6 VTi C3 II 1.4/1.6 VTi C4 1.6 VTi/THP C5 1.6 VTi/THP DS3 1.6 VTi/THP DS4 1.6 VTi/THP
	Valeo repl.	588048		2605106,-A,-B	
	BMW	12 31 7 576 515	6 Grooves	TG12C021,59,061,120	Mini One, Cooper, -S Cabriolet, Coupe Clubman
	INA	F-556533.01	M16	5702 JO	
		for Valeo Units only for Melco Untis	M17	5705 KG 12 31 7 576 513,514 12 31 7 615 484 12 31 7 619 254 120 A	Peugeot 207 1.4/1.6 208 1.4/1.6 308 1.4/1.6 3008 1.6 508 1.6 5008 1.6 Partner 1.6 RCZ 1.6
<b>3 5430 1</b>	Bosch	F 00M 349 903	17 /63 x51	0 121 615 032,132	Ford Galaxy 2.0 EcoBoost SCTi Mondeo IV 2.0 EcoBoost SCTi S-Max 2.0 EcoBoost SCTi
		F 00M 391 150		0 121 715 058,158	
	Ford	31285489	6 Grooves	0 125 711 024,045,069	Volvo S60 II 2.0T,-T5 S80 II 2.0T,-T5 V60 2.0T,-T5 V70 III 2.0T,-T5 XC60 2.0 T,-T5
	Volvo	31285489	M16	0 125 711 105,106	
	INA	F-561957 /.03/.04		0 125 811 006,034,091,092 EL7 150A / EL8 180A H7P 150A / H8P 180A 9G9N-10300-AA,-BA,-BB BG9T-10300-AB BJ32-10300-CA,-CB,-CC 1682130, 1799802 30659675,31260072, 31260073,36001811, 36002584, 36002650 LR028121 LR067840	Jaguar XF 2.0, XJ 2.0 LRG Discovery Sport Si4 Freelander 2 Si4 AWD Range Rover Evoque 2.0 Si4 AWD
<b>3 5431 1</b>	Bosch	F 00M A47 700	17 /70 x38.5	0 121 715 022,050,075,078	Audi A6 2.4,-Avant,Avant quattro,-quattro 2.8 FSI,-Avant,-Avant quattro,quattro 3.0 TFSI Avant Allroad,-quattro 3.2 FSI,-quattro Allroad 3.0 TFSI A6L 3.0i Turbo
		F 00M 349 835		0 121 715 122,150,178	
		F 00M 991 278	6 Grooves	0 124 325 078	
		F 00M 992 709	M16	0 124 525 508	
	VW	06E 903 119 L,-R		E4 120A	
	INA	F-558658 /.01/.02		E8 155A / H8P 180A 06E 903 016 M,-MX,-T,-TX 06E 903 018 H,-HX 06H 903 017B	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5435 1		Valeo 2603530	17 /59 x38.3	FG18S017,-027,-048,-095	Citroen Berlingo 1.6/1.9/2.0 C2, C3 I+II 1.4/1.6 C4 1.6/2.0 C5 1.6/2.0/2.2 C6 2.2 C8 2.0/2.2 DS3, DS4 1.4/1.6/2.0 Jumper 2.0/2.2 Jumpy 1.6/1.9/2.0 Nemo 1.4 FIAT Ducato 2.0 Scudo 1.6/1.9/2.0 Ulysse 2.0/2.2 Ford Fiesta V+VI 1.4/1.6 Lancia Phedra 2.0/2.2 Mazda 2 1.4/1.6 3 1.6 Peugeot 107, 206, 208, 301 307,308,406,407 508,607,807,1007 2008, 3008 4008, 5008 Bipper, Expert, Partner 1.2/1.4/1.6/2.0/2.2 Suzuki SX4 1.6
		FIAT 773 634 68	6 Grooves M16 fitting measure 14.4 mm	SG10B048 TG9B026,-044,-049,-068 TG10B013,-024 TG15C020,-028,-038,-053, TG15C103,-118,-134,-135, TG15C189 437471, 440199 2542693A, 2542928A 2542938A, 2543428A 2543457A 71733552, 71748885, 71749232 96 430 016 80 96 463 217 80 96 496 112 80 96 552 960 80 96 557 337 80 96 615 448 80 96 636 479 80 96 640 574 80 96 640 742 80 96 656 177 80 96 780 488 80 96 780 494 80 5702 H7,-J4,-J9,-K9 5705 AS,-CS,-EY,-J4 5705 KC,-KR,-KV 8V21-10300-AB,-BB AV6N-10300-GC Y402-18-300 Y405-18-300 Y406-18-300 31400-69K00	
		31285818 F-236591.05/.07	Attention! similar to 3 3579 1 (fitting measure 16.0mm)		
3 5436 1		Denso 021040-1100	17 /66.4 x 39.9	102211-2780	Toyota Yaris 1.4D-4D Yaris Verso 1.4D-4D Echo Liftback 1.4D-4D
		Toyota 27415-33020	5 Grooves M14	104210-4450 27060-33030 27060-33040 90A	
	INA 328V2-2	F-579125			
	NTN 359V1-1				
		alternative product for NTN-Type			
		replacement product 3 5433 1			
3 5438 1		Bosch F 00M 992 718	17/59 x 34.66	0 124 425 085,087	Opel Corsa D 1.4 Twinport Meriva B 1.4 Ecotec,-ecoFLEX,-Turbo
		GM 93185744	5 Grooves	M6E 100/ 120A 13266809,-810	
	Opel 13266813	1204184	M16	6204144	
	INA F-553240 /.01				
3 5439 1		Valeo 595333	17/65.3 x 44.3	440243, 440244	Audi A4 3.2 FSI /-quattro A5 3.2 FSI/-quattro Q5 3.2 FSI/-quattro 150 A
		VW 06E 903 119 Q	6 Grooves M16	06E 903 016 Q,-S 06E 903 018 L 150 A	
	INA F-556311				

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS




# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
	3 5441 1	Valeo Valeo repl. Hyundai INA	2655545 588094 37321-25-201 F-240026.01/.02/.03/.04/.05	17 /64.25 x 37.8 6 Grooves M16	TG11C076 37300-25301	Hyundai ix35 2.0 Sonata V 2.0/2.4 VVTi KIA Carens III 2.0 Magentis 2.0 Sportage 2.0
	3 5449 1	Denso Honda INA	31141-RBD-E02 F-580303  replacement product	17 /75.3 x 39.3 7 Grooves M14  3 5420 1	104210-2260 104210-2660 104210-3911 104210-4860 31100-RBD-E02 31100-RSR-E01 CSD89 Denso 130A	Honda Accord VII+VIII 2.2i-CTDI Accord IX 2.2i-DTEC Civic VIII 2.2 CTDI CR-V II 2.2 CTDI CR-V III 2.2i-CTDI FR-V 2.2i-CTDI
	3 5453 1	Denso FIAT INA	773 652 71 F-563795	17 /60 x 40.9 6 Grooves M17	518 548 98 Denso 115A	Alfa 159 1.8 TBi Brera 1.8 TBi Giulietta 1.8 TBi Spider 1.8 TBi Lancia Delta III 1.8 Di
	3 5454 1	Melco  Nissan  INA Valeo repl.	A252C55075 A252C550FE A252C550ME 23151-EL010 23151-JD20A F-557045 /.01 588081	17 /53.3 x 39.8 6 Grooves M17	23100-JD200 A2TJ0281,-ZC A3TB1081,-A,-B LR1140-801 23100-ED000 23100-EM01B 23100-EM01BR 23100-JD200 23100-JN81A	Nissan Juke 1.6 DIG-T -4x4 Qashqai 2.0 Tiida 1.8 X-Trail 2.0
	3 5455 1	Subaru INA	23750-AA060 F-558533	17 /59 x 44.08 7 Grooves M17		Subaru Forester 2.0 D Impreza 2.0 D 4x4 Legacy IV 2.0 D,-Station Wagon Outback 2.0 D
	3 5456 1	Valeo FIAT IVECO PSA INA	2604651 773 647 97 504 2800 12 F-559894	17 /59 x 38.05 6 Grooves M16	0 124 525 064 FG18S022 440197 504057813 50480012 5705 KL,-KP	Citroen Jumper 3.0 HDi FIAT Ducato 3.0 D Multijet Iveco Daily 3.0 D Peugeot Boxer 3.0 D

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5457 1</b> 	Delphi Korea KDAC	222588 222921 *	17 /59 x 40.1	100 A	BMW 520d Chevrolet Aveo 1.3D, 1.4Turbo Cruze 1.8, Orlando 1.8 Opel Adam 1.2/1.4 Astra J 1.4/1.6, 1.3 CDTI Cascada 1.4 Insignia 1.4/1.6/1.8 Zafira C 1.4/1.6/1.8
	GM Opel INA	55567951 55580126 * 1204178 1204292 * F-563424 /.01/.02 F-580007 *	6 Grooves M16 5 Grooves *		
<b>3 5458 1</b> 	Valeo Valeo repl. GM Opel Saab INA	4605956 588028 13258483 1204177 13 258 483 F-239807 F-563248 /.01/.02 F-570802 /.01/.02	17 /59 x 38.25  6 Grooves M16  similar type with 5 Grooves see 3 5474 1	439708, 440300 FG12S031 FG18D057,111 FG18S045,052 FG23S032,033 TG12C036,052,069 TG12C070,103,173 TG13S011,019,027 12 02 215, 12 02 219 12 02 342 13222936, 13256931 13500314, 13500329 13500583, 13500586 13502581, 13502582 13502593, 13502594 13502987, 13505392 13577154, 13588289 12 31 7 823 343-345,347 12 31 8 507 623-625 12 31 8 509 022-024	Chevrolet Aveo 1.3 D Opel Astra J 1.3/1.4/1.6/2.0 Corsa D 1.3 Insignia 1.4/1.6/1.8/2.0 Zafira 2.0 CDTi Saab 9-5 2.0 TiD GM Buick Rendezvous 3.6 l gas
<b>3 5459 1</b> 	Delphi Korea KDAC GM Opel INA	222598 55565443 1204291 F-563945	17 /59 x 48.25  6 Grooves M16	1204643 13502583	Opel Astra J 2.0 CDTI Insignia 2.0 CDTI Insignia 2.0 Biturbo CDTI Insignia 2.0 Biturbo CDTI 4x4 Zafira C 2.0 CDTI Saab 9-5 2.0 TiD
<b>3 5462 1</b> 	Denso Ford Koyo INA Valeo repl.	WCPN36RC4X F-582200 588086	17 /60 x 39.5  5 Grooves M14	104210-3550,-3560 104210-4640 3M5T-10300-JC,-JD 3M5T-10300-SC,-SD 30667103,30737529, 36001463 8603268, 8603496	Ford Focus II 2.5 Volvo S40 II 2.4 V50 2.4 C70 II 2.4
<b>3 5463 1</b> 	Denso BMW Hyundai/KIA  Koyo NTN INA	12 31 7 790 877 37322-4A300 37322-4A310 WCPN36RDX 359V1-2 F-581342	17/66.4 x 39.90  7 Grooves M14	104210-3730,-3731,-3732 12 31 7 790 879 12 31 7 791 334 27060-33050,-33051	BMW Mini One D Hyundai H-1 Cargo 2.5 CRDi KIA Sorento I 2.5 CRDi

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
3 5464 1		Bosch	F 00M 992 719	17 /59 x 53.67	0 124 425 084,086	Opel Meriva B 1.4 Ecotec 1.4 ecoFLEX >04/2010
		GM	13285531	6 Grooves	M6E 100/120A	
		INA	F-562331.01	M16	13284408 13284409 12 02 197, 12 02 199	
3 5465 1		Bosch	F 00M 992 730	17 /65.5 x41.3	0 124 425 100	Alfa 159 1.9 JTDM 8/16 V,-Sportwagon 159 SW 1.9 JTDM
		INA	F-559569	6 Grooves	M6E 120A	
				M16	735 032 35 13117340, 13117341 93180098, 93180102 6204 187,-188	FIAT Bravo 1.9 JTD 16 V,-Multijet Croma 1.9 JTD 8/16 V Grande Punto 1.9 JTD,-Multijet Stilo 1.9 JTD 16V,-S.W. Opel Astra H 1.9 CDTI,-Caravan,-TwinTop 1.9 GTC CDTI Signum 1.9 CDTI Vectra C 1.9 CDTI,-Caravan,-GTS Zafira B 1.9 CDTI >07/2005
3 5466 1		Melco	A252C55975	17 /59 x 42.25	A004TJ0581,-ZE	Dacia Lodgy 1.5 dCi
		INA	A252C559FE	6 Grooves	A004TJ0582,-ZE	
			F-550883 /.02	M17	210A 440234 77 11 134 728 77 11 368 727 77 11 497 268 82 00 120 286 82 00 373 636 82 00 660 057 82 00 960 533	Renault Laguna III Megane II+III Scenic II 1.5 dCi
3 5467 1		Bosch	F 00M 349 911	17/61 x 35	0 121 715 080,180	Audi A4 2.7 TDI,-Avant A4 3.0 TDI,-Avant,-Avant
		Hitachi	F 00M 991 264	6 Grooves	0 124 525 228,548	
		Valeo	GD1 15071	M16	0 125 711 035,082,089	quattro,-qua
			2604159		711 125,126,147-150	A4 Allroad 3.0 TDI
			2612688		EL7-HED 150A	A5 2.7 TDI Cabriolet,-Coupe,-Sportb
		VW	059 903 119 G,-H,-L,-M		H8P 180A , M8E 140A	A5 3.0 TDI
		INA	06E 903 119		059 903 015 P,-T	Cabriolet,-Coupe,-quattro
			F-551623 /.01/.02/.03/.04		059 903 016 J,-T	A5 3.0 TDI Sportback
					059 903 017 P	A6 2.7/3.0 TDI / TFSI
					059 903 018	A6 Avant 2.7/3.0 TDI
					J,-JX,-K,-KX,-L,-Q	A7 Sportback 3.0 TDI
					059 903 018 R,-S,-SX	A8 2.8/3.2 FSI
					059 903 019,-A,-B,-C,-D	A8 4.2/3.0 TDI
					059 903 019 F,-H,-J,-JX	Q5 3.0 TDI,-quattro
					059 903 019 M,-MX,-N,-NX	SQ5 3.0TDI quattro
					059 903 023 K,-L	Q7 3.0/4.2/6.0 TDI
					06H 903 016 S	Porsche Cayenne 3.0 D Panamera 3.0 D
						VW Phaeton 3.0 Tuareg 3.0 V6 TDI
3 5468 1		Valeo	593920	17 /70 x 44.3	TG16C011	Audi A4 3.2 FSI, -quattro A4 Avant 3.2 FSI, -quattro A4 Cabriolet 3.2 FSI, -quattro A6 2.4, -quattro A6 2.8 FSI, -quattro A6 3.2 FSI, -quattro A6 Allroad 3.2 FSI quattro A6 Avant 2.4, -quattro A6 Avant 2.8 FSI, -quattro A6 3.2 FSI, -quattro
		Valeo repl.	2602341,2604507	6 Grooves	06E 903 016 E,-F,-G,-K	
		VW	588084	M16		
		INA	06E 903 119 E,-P			
			F-239779.01 /.02/.03			
			F-552973.01			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5469 1</b> 	Ford Visteon Mazda INA Valeo repl.	VP5L8U-10A352-AA F-237401 /.01 588106	17 /59 x 37.7 6 Grooves M16	5L8T-10300-MC 5L8Z-10346-BA 5S4T-10300-DA,-DB,-DC 5S4Z-10346-DA,-DB 6L8T-10300-CB,-MA 6L8Z-10346-CB,-MA 6S4T-10300-DC 6S4Z-10346-DA L3H5-18-300A	Ford Lincoln 3.0 V6 Mazda Tribute 2.3 AWD
	<b>3 5470 1</b> 	Denso Honda NSK INA  alternative product  O.E. product 3 5440 1	31141-RL0-G01 4DFB503238 F-563515   	17 /70.4 x 39.9 7 Grooves M14	104210-1150 31100-RFW-G01 31100-RFW-G51 31100-RL0-G01 31100-RL0-G51 130 A
<b>3 5471 1</b> 	Melco Mazda INA	L3M6-18-W11 A,-B F-552714 /.01/.02	17/64 x 35.7 6 Grooves M17	A003TJ 1181,3281 L3M6-18300A,-B 110 A	Mazda 3 2.3 MPS 6 2.3 MPS Turbo CX-7 2.3 MZR DISI Turbo
	<b>3 5472 1</b> 	Denso Hyundai/KIA Toyota NTN INA  alternative product  replacement product 3 5423 1	02131-9130-9132 37321-25301 27415-33050 358V1-1 F-581518   	17 /68 x 38.2 6 Grooves M14	27060-0N021, 27060-33071,-37010 104210-4101 37300-25301,-25310
<b>3 5473 1</b> 	Denso Toyota  INA NTN  alternative product  O.E. product: Replacement product:	27415-26010 27415-30010,-30011 F-585322 328V2-2, 357V1-1 361V1-1   	17/65 x 41.2 7 Grooves M14	27060-30030,-40,-50,-60,-70 27060-30120,-121,-123,-130, 27060-30140,-150-152,-154, 27060-30160 27060-0G011 102211-2310,-2810 102211-8240,-8241,-8370 104210-4450,-4520,-4521	Toyota Auris 2.0/2.2 D-4D Avensis 2.0/2.2 D-4D Corolla 2.0/2.2 D-4D Dyna 3.0 Hiace IV / V 2.5 D-4D Land Cruiser 3.0 D-4D RAV 4 III 2.2 D-4D Verso 2.0/2.2 D-4D Lexus IS II 200d / 220d MB 320 CDI
	<b>3 5474 1</b> 	Valeo  GM Opel INA	2613294 2618008 55579927 55580127 12 04 293 12 04 301 F-563248.03	17 /59 x 38.25 5 Grooves M16  similar type with 6 Grooves see 3 5458 1	13581893 12 02 243 140A



# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5475 1</b>	Valeo INA	2604130 F-556014.01	17/59 x 39.75  6 Grooves M16	TG15C112 5702 G8,-K7 5705 JV,-NF 307019179 9662731680	Citroen C-Crosser 2.2 HDi Mitsubishi Outlander II 2.2DI-D4WD Peugeot 4007 2.2 HDi
					
<b>3 5476 1</b>	Bosch Toyota INA NTN	F 00M 991 250 27415-33060 F-587627 360V1-1	17 /68.2 x 36.2 mm  6 Grooves M16	0 124 225 055 27060-0N011 GCB2 90A	Toyota Yaris 1.4 D-4D 11/2005 - 07/2011
					
<b>3 5477 1</b>	Bosch INA	F 00M 599 502 F 00M 992 740 F-560671	17 /59 x37.5 mm  7 Grooves M16	0 124 525 216 0 124 555 063,107 0 124 655 091 0 125 811 043,044 F 000 BL0 6D0 F 000 BL0 622 B3-110 12V 110A EL8 210A HD8 24V 80A HD8E 14V 120A HD9 24V 90A MK 667722-66725 IVECO 5801580938	Mitsubishi Canter 3C13,-C13D, Canter 3C15,-C15D,-C18 Canter S13,-S15 Canter 6C18,-C18D 4x4 Canter 6S15 Canter 7C15,-7C15D Canter 7C15 Eco Hybrid Canter 7C18,-18D Canter 9C15,-9C18  Fuso Truck 19 to. Fuso Bus IVECO
					
<b>3 5478 1</b>	Melco INA	1800A061 1800A120 F-552561/.01	17 / 64 x 37.38  5 Grooves M17	MA855294 1800A053 A3TG3181	Citroen C-Crosser 2.4 16V Mitsubishi ASX 1.8 (4WD) Lancer (Sportback) 1.8/2.0 Outlander II 2.0/2.4 Peugeot 4007 2.4 16V
					
<b>3 5479 1</b>	Valeo Denso Hyundai/KIA INA	2605819  F-560201 /.01	17 / 59 x 38.2  6 Grooves M16	104210-1060 37300-2F000,-2F100,-2F200	Hyundai ix 35 2.0 CRDi AWD Santa Fé II 2.0 Santa Fé III 2.0/2.2 Tucson 2.0 KIA Sorento II 2.0 Sportage 2.0
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5480 1</b> 	Melco	A252C566FD A252C556FE	17 / 59 x 38.68	23100-1BN1A 23100-5X21A 23100-BR01A	Infinity EX, FX, M 30d Nissan Navara 3.0 dCi 4WD Pathfinder 3.0 dCi Qashqai 1.6
	Nissan INA	23151-5X21A F-561899	7 Grooves M17		
<b>3 5481 1</b> 	Opel GM INA	12 04 188 55566587 F-564321	17 / 64 x 59.67  6 Grooves M16  distance from alternator to first groove 13.7mm	12 02 118 13500187 13579626 140 A	Chevrolet Cruze 1.7 D Trax 1.7 D Opel Astra J 1.7 CDTI Astra GTC J 1.7 CDTI Meriva B 1.7 CDTI Mokka 1.7 CDTI
	<b>3 5482 1</b> 	Opel GM INA	12 04 290 55568459 F-564626	17 / 64 x 59.67  6 Grooves M16  distance from alternator to first groove 11.54mm	12 02 117 13500186 100A
<b>3 5483 1</b> 	Hyundai/KIA INA Valeo	37322-2G500 F-567535 2607575 /-A	17 / 59 x 37.8  6 Grooves M16	37300-2G500	Hyundai Santa Fé II 2.4 4x4 Santa Fé III 2.4 KIA Sorento II 2.4 CVVT 4WD
	<b>3 5485 1</b> 	Denso PSA INA	121041-1990 F-550487.01	17/59 x 38.3  6 Grooves M17	10210-1720 80A 96 882 373 80 98 060 074 80
<b>3 5486 1</b> 	Melco PSA INA	1800-A201 1800-A333 F-563771	17/64 x 39.75  6 Grooves M17	1800-A271,-A334 A2TX1081A,-B 16 087 265 80	Mitsubishi ASX 1.8/2.2 Diesel Lancer 1.8 Diesel Outlander 1.8/2.2 Diesel Citroen C4 Aircross 1.8 HDI Peugeot 4008 1.8 HDI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
 <b>3 5487 1</b>	Denso BMW Ford INA	021040-2400  F-580452	17/54 x 38.2  6 Grooves M14	104210-1731,-3320, 104210-6331,-6393, 140210-6400 CV6T-10300-BC,-FA 1764816,1795985 12 31 7 605 060,061 12 31 7 605 478-480 12 31 7 610 260	BMW 1, 3, 5 X1, X3 Z4 Ford B-Max 1.0 EcoBoost Ecosport 1.0 EcoBoost Fiesta 1.0 EcoBoost Focus 1.0 EcoBoost
 <b>3 5488 1</b>	Bosch Renault INA	F 000 BL1 06K  F-580570	17/63.85 x 41.45  3 Grooves M16	F 000 BL0 457,458 B3 90A 23 10 037 30R	Renault Clio IV 1.2,-Grandtour Modus
 <b>3 5489 1</b>	Denso Toyota NTN INA	27415-33070 367V1-2 F-588421	17/63.3 x 42.84  6 Grooves M14	104210-2320,2520 27060-33100 27060-0N040	Toyota Auris 1.4D-4D Urban 1.4D-4D Verso 1.4D-4D Yaris 1.4D-4D
<b>NEW</b>  <b>3 5490 1</b>	Melco Renault INA	A252C55475  F-555097.01	17/64.5 x 40.88  7 Grooves M17	8200207287 210A	Renault Espace IV 3.5 Laguna III 3.5 Vel Satis 3.5
<b>NEW</b>  <b>3 5496 1</b>	KIA  Denso PS INA	37322-4X-250 7201-10-800 72011-0800 F-231618.03/.06 F-554710/.01	17 / 70.50 x 32.60  5 Grooves M16	37300-4X-310 37300-4X-351 02131-9391	Kia K2900 2.9 D
<b>NEW</b>  <b>3 5497 1</b>	GM Remy INA	96868420  F-564313	17 / 61 x 37.5  6 Grooves M16	13502580, 13579114 13579676, 13580078 Opel 4802213 Remy DRA1219	Chevrolet Cruze 2.0 CDI, 2.0 TD Orlando 2.0 D

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>NEW</b> 3 5498 1	Melco Suzuki NSK  INA	31171-84A10 91215 571 F-586767  replacement product:	17/59 x 49.25  6 Grooves M17  3 5426 1	A003TN2581, -A 31400-84A00, -A10 DRA 0232 100A	Suzuki Jimny 1.5 DDiS 4WD, 4x4
					
<b>NEW</b> 3 5499 1	Nissan Hitachi Valeo Korea INA	23151-JA02A 2650319 F-554755.01	17 / 58 x 36.6  6 Grooves M16	23100-AU420, -AU40A 23100-AU40D, -AU400 LR1110-713, -B, -C, -V LR1110-717, -B	Nissan X-Trail 2.5 4x4 Renault Koleos 2.5 4x4
					
<b>NEW</b> 3 5500 1	Hitachi VW INA	GD1 15958 06E 903 119 T F-568796.01	17 / 69.8 x 35  6 Grooves M16	LR1180-851 06E 903 018 G 06E 903 018 M	Audi A6 2.8 FSI / 3.0 TFSI quattro A7 2.8 FSI / 3.0 TFSI quattro
					
<b>NEW</b> 3 5503 1	BMW INA	12 31 7 560 990 F-551893 F-551893.01	17 / 53.3 x 40		BMW X5 (E70) 3.0si , -xDrive i
					
<b>NEW</b> 3 5504 1	INA  MAN	F-558424.02 F-558424.01 F-558424 51.26105-5012	17 / 72 x 38.2  8 Grooves M16		MAN TGA, TGS, TGX LION S City HOCL NG, NL
					

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>NEW</b> 3 3414 1 	INA	530 0345 10	1 x	timing belt	Audi A3 1.8/-T/-T quattro
	VW	530 0067 10 06A 198 119 A / -B with additional bracket assembly	1 x 1 x 1 x 1 x	tensioner pulley installation bolt bracket assembly	A4 1.8/-T/-T quattro A6 1.8/-T/-T quattro TT 1.8/-T/-T quattro Seat Alhambra 1.8 T 20V Cordoba 1.8 T 20V Cupra Ibiza III 1.8 T 20V Cupra Leon 1.8 20V /-T/-T4/-T Cupra R Toledo II 1.8 20V /-VT Skoda Octavia 1.8/-T/-T4x4/-RS VW Bora 1.8/-T/-4motion Golf IV 1.8/-T/-4motion New Beetle 1.8 T Sharan 1.8 T 20V
<b>NEW</b> 3 3415 1 	INA	530 0345 10	1 x	timing belt	Audi A3 1.8/-T/-T quattro
	VW	530 0067 10 06A 198 119 A 06A 198 119 B	1 x 1 x 1 x	tensioner pulley idler pulley installation bolt	A4 1.8/-T/-T quattro A6 1.8/-T/-T quattro TT 1.8/-T/-T quattro Seat Alhambra 1.8 T 20V Cordoba 1.8 T 20V Cupra Ibiza III 1.8 T 20V Cupra Leon 1.8 20V /-T/-T4/-T Cupra R Toledo II 1.8 20V /-VT Skoda Octavia 1.8/-T/-T4x4/-RS VW Bora 1.8/-T/-4motion Golf IV 1.8/-T/-4motion New Beetle 1.8 T Sharan 1.8 T 20V
3 3562 1 	Bosch	F 00M 991 078 F 00M 991 116 F 00M 991 192	17 / 61.5 x 69 7 Grooves	0 124 315 019,027 0 124 325 100 E4 110A	Ford Transit 2.4 TD,-TDCi,-TDE,-TDI FT 260 K/S, FT 280 L,M,S FT 300 S, FT 310 S
	Ford Litens	YC1T-10A352-AC YC1U-10A352-BA 920574  alternative product 3 5393 1 INA	M16	YC1T-10300-BC,-BD,-BE, YC1T-10300-BG,-BH,-BJ 2C1T-10300-AA,-BA 409 8414, 433 2279, 436 2258, 446 1712 437690	FT 330 K/S, L,M,S FT 350 EL,L,M FT 430 EL,M
3 3571 1 	Bosch	F 00M 991 076 F 00M 991 128	17 / 58.2 x 43	0 124 515 031 NCB1 120A	Opel Astra G 1.4i -2.0i,-Cabrio,-Caravan Corsa C 1.4i /1.8i 16V
	GM Opel Litens Valeo repl.	93170214 1204412 9195337 920501 588007	5 Grooves M16	91 73572 91 95336	Signum 1.8i Vectra C 1.6i /1.8i,-Caravan Zafira A+B 1.6i /1.8i
3 3572 1 	Bosch	F 00M 991 139	17 / 60 x 42.8	0 124 415 026	Opel Astra G 2.2 16V
	GM Opel Saab Litens Valeo repl.	93172295 1204376 12786853 920629 588070  alternative product 3 5380 1 INA	5 Grooves M16 w/o. dust cap	0 124 425 033,040 0124 515 096 0 124 525 017 E6 120A, E8 140A 24415914 24455913,14 93172075,080 93184952,953 12755484,12757362 12757363,12785604	Combo 1.4 16V Signum 2.0 /2.2.-Turbo,-Direct Vectra B+C 2.0/2.2 2.2i,-Turbo,-Direct,-Estate Speedster 2.2 Zafira A+B 2.2 Saab 9-3 1.8t,-Cabriolet 2.0 T Aero,-Cabriolet,-Sport

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS






# LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3588 1</b> 	Ford  Litens INA	YC1U-1033-EA YC1U-10352-BA,-BB YP2C-10A352-AA YP2C1U-10A352-AA 920583 F-558404  Replacement for 3 5359 1 INA	17 / 61.5 x 79  7 Grooves M16	YC1U-10300-DA,DB,EA Visteon Model RC 28	Ford Transit 2.4 Diesel Motocraft Version
<b>3 3592 1</b> 	Bosch GM Opel Litens	F 00M 991 210 55352897 1204393 920755	17 / 60 x 43  5 Grooves M16	0 124 425 015 M6E 120A 13 156 054 93 180 419	Opel Astra G/H 2.0 GTC Turbo 2.0 Turbo,-Caravan 2.0 Turbo TwinTop -Cabrio Zafira A+B 2.0 Turbo
<b>3 3593 1</b> 	Ford  Litens INA	1S4Q-10344-AB 5M5Q-10D310-AA,AB 5M5Q-10344-AA,-AB 920606 111020A F-233608.03+59925B	Shaft Decoupler Assy. complete w. INA Pulley F-233608.03 IKA No. 3 5317 1  6 grooves M17	0 121 615 008,108 H7P 156A 1S4Q-10C382-AD 3M5T-10300-LB 5M5Q-10C382-AA 6G9N1-0300-UA,-UB 6G9N1-0300-UC,-UD 1420871 98FF-10C382-BF Denso SC2	Ford C-Max 1.8 TDCi Focus II 1.8 TDCi Galaxy 1.8 TDCi Mondeo IV 1.8 TDCi, -Turnier Mondeo 1.8 TDCi eco S-Max 1.8 TDCi Tourneo Connect 1.8 TDCi Transit Connect 1.8 TDCi
<b>3 3594 1</b> 	Denso  Chrysler  Litens	021040-1110 021040-1190 021040-1450 121041-1450 053013554 AB,-AC 053013554 AD,-AE,-AF 920615 920720	17 / 63 x 45.2  6 Grooves M14	104210-4240,-4241 121000-3841,-3842,-3843, 121000-3846,-3850,-3851, 121000-4390,-4391,-4520, 121000-4521,-4550,-4551 56041578AE 56044530AA,-AB,-AC 56044532AA,-AB,-AC,-AD 56044672 AA,-AB	Jeep Liberty KJ 2.5 Diesel DOHC Cherokee 2.8 CRD 4WD Wrangler III 2.8 CRD Dodge Nitro 2.8 CRD
<b>3 3595 1</b> 	Denso  Litens	021040-1241 121041-1241 920752	17/63 x 51.8  6 Grooves M14	104210-3720 104210-6120 4R83-10300-AB 8X23-10300-CB C2C20533 C2Z3415	Jaguar S-Type 2.7 D XF 2.2D/3.0D XJ 2.7/3.0 Landrover Discovery III 2.7 TD Range Rover 2.7 TD
<b>3 3596 1</b> 	Denso GM Opel FIAT Litens	121041-0580 93185282 62 04 229 773 647 21 920789  alternative product 3 5390 1 INA	17 / 55.5 x 50.9  6 Grooves M17	101210-0950,-0951,-0960 101210-0961,-0970,-0971 102211-8610,-8620,-8630 5178 7209,-7210,-7214 5185 4914,-4915,-4916 5185 5875 2542850A A115	Alfa MiTo FIAT 500,Doblo,Punto,Fiorino Idea,Linea,Qubo Lancia Musa,Ypsilon 1.3 JTD / D Multijet Opel Astra H, Combo, Corsa C+D Meriva,Tigra 1.3 CDTI

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5301 1</b> 	Valeo FIAT GM Opel Suzuki Litens	593891 773 639 54 93178273, 93192631 55186280 31771-85E00-000 920693  alternative product 3 3580 1 INA	17 / 55.5 x 50.4  6 Grooves M16	TG8S013,016 TG9S015,021,022 2542851 437504 551 850 76 75A	Alfa MiTo 1.3 JTDM BMW 318d, 320d FIAT 500, 500C 1.3 D Doblo 1.3 D Fiorino 1.3 D Idea 1.3 D Multijet Panda 1.3 D Multijet Punto 1.3 D Multijet Strada 1.3 D Multijet Ford KA 1.3 TDCi Lancia Musa 1.3 D Multijet Ypsilon 1.3 D Multijet Opel Agila 1.0/1.2/1.3 Astra H 1.2/1.3/1.4 Combo 1.3 CDTI Corsa C 1.0/1.2/1.3 Corsa D 1.3 CDTI Meriva B 1.3 CDTI Tigra 1.3 CDTI Suzuki Splash 1.3 CDTI Swift III 1.3 DDiS Wagon R 1.3 DDiS
	<b>3 5325 1</b> 	Bosch FIAT Litens	F 00M 991 240 773 635 65 920796	17 / 60 x 43  5 Grooves M16	0 124 425 041,112 E6 120A FIAT 60694260
<b>3 5361 1</b> 	Bosch  Opel Litens	F 00M 147 877 F 00M 991 238 12760888 920801	17 / 58 x 45  6 Grooves M16	0 124 525 097 E8 155A Opel 12 799 630 Saab 93 187 415	Opel Signum 2.8 V6 Turbo Vectra C 2.8 Turbo,-Caravan,- -GTS Turbo Saab 9-3 2.8 T,-Cabriolet,-Kombi
	<b>3 5364 1</b> 	Denso  Chrysler  Litens	021040-1001,-1040,-1042 021040-1180 4861 513 AA,-AB,-AC 4861 513 AD,AE K04861513AE 920599	17 / 64 x 51  6 Grooves M14 w/o. dust cap	421000-0081,-0082,-0084 04861 513 AA,AB,AC,AD 04861 513 AE 04868 429AC,-AD RX868429AD
<b>3 5367 1</b> 		Bosch  Litens	F 00M 349 860 F 00M 391 100,135 920731	17 / 63 x 49.3  6 Grooves M16	0 121 715 001,101 H8P 180A 5705 CJ,-EJ 9 653 459 080 9 657 129 680

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5370 1</b> 	Bosch John Deere	w/o. pulley AL156091 AL166836 920650	12 / 61 x 70  8 Grooves M16	0 123 315 501 0 123 512 500 0 124 515 126 NC(R) 90/115A NCB1 120A AL 11 167 5 AL 11 167 6 AL 11 409 2 A L11 409 3 AL 16 664 6 1516410R 51 26101 7237	John Deere Serie-6 6210R, 6230,6330,6430 Tractor 4&6 cyl. 4.5 l Diesel 100 hp DAF MAN
	Litens	alternative product 3 5360 1 INA			
<b>3 5371 1</b> 	Ford Volvo Litens	6G9N-6A312-AE,-AF 30777744 920821	10.75-17 / 67 x 53  6 Grooves M17	0 121 715 109	Volvo XC70 3.2 V70 3.2, -T6 3.0 Turbo S60/80 II 3.2 XC90 3.2
<b>3 5372 1</b> 	Bosch Ford Volvo Rover Litens	w/o. Pulley 6G9N-10D311-AA 30750109,-409 LR001470 920803	17 / 68 x 51  no groove M16  fits Eurogrip Coupling EG2 = 3 5428 1	0 121 615 011,111 0 121 715 009,109 0 125 811 051 EL8 180A H7P 150A / H8P 180A 6G9N-10300-LA,-MA 1387927 31110085, 36000209,-210 LR 002426,-031223	Ford Galaxy 2.0 TDCi S-Max 2.0 TDCi Volvo S60 II T6 AWD 3.0 I S80 II 3.2, -AWD, -T6 AWD V60 3.0 T6 AWD V70 III 3.2, -AWD, -T6 AWD XC60 3.2,-AWD, -T6 AWD XC70 II 3.2 4x4,-AWD,-FWD 3.2 T6 AWD XC90 3.2, -AWD,-FWD Landrover Freelander II 3.2i6 AWD
<b>3 5377 1</b> 	Denso  Chrysler Toyota Litens	021010-1440 021040-1130 021040-1170 021040-1320 021040-1441 04861506 AB,-AD,-AE, 04861506 AF,-AG 27415-0T010 27415-0T011 920538 920685 920834	17 / 61.5 x 42.7  6 Grooves M14	27060-37010,-37011 27060-37050,-37051 421000-0011,-0012,-0013, 421000-0021,-0022,-0023, 421000-0024,-0025,-0026, 421000-0027,-0028,-0141, 421000-0142,-0145,-0222, 421000-0223,-0225,-0300, 421000-0301,-0302,-0303, 421000-0304 04868430AB,-AC,-AD, 04868430AE,-AF 04868431AB,-AC,-AD, 04868431AF,-AG 04868760AD,-AE,-AF,-AH 100A/160A Toyota ZZ World Engine	Chrysler Voyager III+IV 3.3/3.8 AWD Pacifica V6 3.8 Town&Country 3.3/3.8 Voyager 3.3/3.8/3.8i Dodge Caravan Pontiac Vibe 1.8 Toyota Auris 1.6,-VVTI,-1.8 Avensis 1.6/1.8/2.0 Corolla 1.6,-VVTI,-1.8 Matrix 1.8 RAV 4 III 2.0 Verso 1.6/1.8
<b>3 5378 1</b> 	Denso GM Toyota Litens	27415-0W040 27415-0W041 920802	17 / 57 x 49  7 Grooves M14	104210-4660,-4790,-4810, 104210-4811,-4880,-4881 27060-0H110,-0H111 27060-28300,-28310 27060-38320,-38321 88975511 Toyota AZ World Engine	Toyota Camry 2.4 RAV-4 III 2.4 Previa 2.4





# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5402 1	Ford	1079392 1334133, 1488368 98FF-10C382-BC,-BF,-BG,BH	Shaft Decoupler complete with solid pulley 6 Grooves	Marelli A111 70A	Ford Courier 1.8 D/DI Kasten Fiesta IV 1.8 TDDi,-Kasten Focus 1.8 DI/TDDi,-Kombi,-Stufenheck Tourneo Connect 1.8 Di Transit Connect 1.8 Di/TDCi
	Litens	920476			
3 5404 1	Bosch	F 00M 147 613 F 00M 147 854 F 00M 991 281 F 00M 992 725 F 00M A47 704	17 / 62 x 42  6 Grooves M16	0 124 325 172,221 0 124 425 058,059,096,097 0 124 525 174 E4 100A / M4E 100A E6 120/140A / M6E 120/140A E8 155A Opel 13229990-13229992 13308506-13308508 93191921,93191922 Saab 13258186	Opel Astra H 1.9 CDTI,-Caravan,-TwinTop 1.9 GTC,-CDTI Signum 1.9 CDTI Vectra C 1.9 CDTI,-Caravan,-GTS Zafira B 1.9 CDTI Saab 9-3 1.9 TiD,-Cabriolet,-Kombi 1.9 TTiD,-Cabriolet,-Kombi 2.8 XWD,-Kombi XWD 9-3X 1.9 TTiD
	GM	55564350 55571966			
	Opel	1204151,1204175			
	Litens	920856			
3 5406 1	Bosch	F 00M 147 910 F 00M 991 277 F 00M 992 742 F 00M A47 706	17 / 61 x 41.5  6 Grooves M16	0 124 525 113,210,226 0 125 711 044,051,090 E8/ M8E 140A EL7-HED 150A TG14 06A 903 023 B,-G 06H 903 016 L,-LX 06H 903 017 J,-JX,-T,-TX	Audi A4 1.8 TFSI,-Avant,-quattro A4 2.0 TFSI,-Avant,-Allroad, -Avant quattro,-quattro A5 1.8 TFSI Cabriolet,-Coupe -Sportback A5 2.0 TFSI Cabriolet,-Coupè A5 2.0 TFSI Coupè quattro,- -Sportback A6 2.0 TFSI Q5 2.0 TFSI quattro SEAT Exeo 1.8/2.0 TSI >05/2010 Exeo ST 1.8/2.0 TSI >05/2010 VW Amarok 2.0TSI >12/2010
	Valeo	06H 903 119,-A,-B			
	VW	06H 903 201 C,-D			
	Litens	920851			
3 5412 1	Melco	A234D037BC A252C5221C A252C5421C A252C5511C	17 / 57 x 49  6 Grooves M17	A2TJ0481,-ZC A2TX0281 A3TJ2581,-ZC 04801323AB,-AC,-AD,-AK 04801477AA,-AG 04811490AA,-AC	Dodge Caliber 1.8/2.0/2.4 Jeep Patriot, Compass 1.8, 2.0, 2.4i,-Turbo
	Chrysler	04891737AB			
	Litens	920810			
3 5415 1	Denso	27415-0W010	17 / 54.5 x 52  7 Grooves M14	104210-2050,-2051,2100 104210-4470,-4471,-4571, 104210-4573,-4680,-4890, 104210-5510,-5511 27060-0P140,-0P141, 27060-0P150,-0P151, 27060-0P240,-0P241 27060-31040,-31041,-31042, 27060-31050,-31051,-31052, 27060-31060,-31061,-31062, 27060-31070,-31071,-31072, 27060-31080,-31100,-31101, 27060-31110,-31111,-31140, 27060-31161,-31162,-31180, 27060-31190 Denso SC1/2 100/130/150A	Jeep Patriot 2.2 Lexus ES 350,-Sedan 24V GS 3.0,-300 GS 4.3 VVTi,-430 GS 450h,-460 IS 220d IS 250,-Sedan 24V IS 350,-Sedan 24V IS C, IS II RX 300 RX 3.3,-330 Sport Utility 24V RX 350,-Sport Utility 24V RX 400h,-450h Toyota Alphard II, Aurion, Avalon Stufenheck Camry,-Stufenheck Crown Stufenheck Landcruiser 4.0,-V6 VVTi,-150 Previa,-Previa III RAV 4 III 3.5 VVTi Sienna 4 Runner
	Toyota	27415-0W060-0W063 27415-0W130,-0W131			
	Litens	920726 920954			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5428 1</b>	Volvo Ford	30750111 6G9N-10D321-AA	62.2 /78.5 x35 18 teeth	Eurogrip Coupling EG2 fits Litens Pulley 920803 IKA-No. 3 5372 1  complete kit 3 5429 1	
					
<b>3 5429 1</b>	Volvo Ford	30750109 30750111 6G9N-10D311-AB 6G9N-10D312-AA 6G9N-10D321-AA	17 /68 x 51 62.2/78.5 x35  no groove M16	0 121 615 011,111 0 121 715 009,109 0 125 811 051 EL8 180A / H8P 180A 6G9N-10300-LA,-MA,-XC 1387927 31110085, 36000209 LR 002426,031223	Ford Galaxy 2.0 TDCi S-Max 2.0 TDCi Landrover Freelander II 3.2 4x4 Volvo S80 II 3.2,-AWD,-T6 AWD V60 II 3.0 T6 AWD V70 III 3.2,-AWD,-T6 AWD XC60 3.2,-AWD,-T6 AWD XC70 II 3.2,-4x4,-AWD,-FWD 3.2 T6 AWD XC90I 3.2,-AWD
				Pulley Kit  Litens Pulley 3 5372 1 with Eurogrip Coupling EG2 = 3 5428 1	
<b>3 5442 1</b>	Ford Valeo Volvo Litens	AM5Q-10A352-AA  31288893 920999 1003808	17 /55.5 x 40  6 Grooves M16	FG15T063,-076 150A FG17T010 180A TG12C107 120A BV6N-10300-AA,-BB 1704925, 1763143 31285435, 31285436, 36001101, 36001102, 36002013, 36002122, 36002816	Ford C-Max II 1.6 Focus III 1.6 Galaxy 1.6 Grand C-Max 1.6 Mondeo IV 1.6 S-Max 1.6 Eco Boost/Flexifuel Vovlo S60 II T3/T4 S80 II T4/T4F V40 T3/T4 GTDi V60 T4/T4F V70 III T4
					
<b>3 5443 1</b>	MB Bosch Litens	660 150 00 60  920975	17 / 59 x49.3  5 Grooves M16	0 124 225 064 A 000 906 24 00 M2P 90A	MB OM660 L3 0.8 I Diesel Smart ForTwo 0.8 Cabrio,-Coupe >2010
					
<b>3 5444 1</b>	MB Smart  Melco Valeo Litens	640 150 01 60 640 150 03 60 640 150 05 60 640 150 06 60 640 150 07 60 MN960267 593618 593930 920995 921703	17 /57.5 x 40.5  5 Grooves M16  alternative product 3 5345 1 INA	668 154 01 02 668 154 03 02 437415 TG15 150A	MB OM640 L4 1.8/2.0 I Diesel Mercedes A-Class >2008 B-Class V-Class Smart ForFour Mitsubishi Colt VI
					



IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5445 1 	Valeo Ford	2608906 AV6N-10300-DC AV6Q-10A352-BA	17 /59.75 x 39.5 6 Grooves M16	FG15T 150A TG12C 120A	Ford B-Max 1.5/1.6 TDCi C-Max II 1.6/2.0 Fiesta VI 1.4/1.5/1.6,-Van Grand C-Max 1.6/2.0 Focus III 1.6/2.0,-Stufenheck,-Turnier
	Volvo Litens	31285816 36001971 920006			Volvo C30 1.6 S40 II 1.6 V50 1.6
3 5446 1 	Valeo Ford	2607423 AV6N-10300-GB,-GC AV6Q-10A352-AA	17 /59.7 x 45 6 Grooves M16	FG18T 180A FT15C 150A	Ford C-Max II 1.6/2.0 TDCi Fiesta VI 1.4/1.6 TDCi,-Van Focus III 2.0
	Volvo Litens	30659390 31266149 31285659 31285815 36001501 920007			TDCi,-Stufenheck,-Turnier Galaxy 1.6/2.0 TDCi Grand C-Max 1.6/2.0 TDCi Mondeo IV 1.6/2.0 TDCi,-Turnier S-Max 1.6/2.0 TDCi Volvo C30 S40 II S60 II D2 S80 II 1.6/2.0 V40 II 1.6 Schrägheck V50 1.6 V60 1.6 V70 III 1.6/2.0
3 5447 1 	Denso Ford Mazda Volvo Litens	021040-1900 9M5Q-10A352-AA  920916	17 /60 x 41 6 Grooves M14	104210-2710,-3421,-3520, 104210-3524,-5700,-5710 3M5T-10300-YB,-YC, 3M5T-10300-YD,-YE 8M5T-10300-PA,-PB, 8M5T-10300-YA,-YB 1229259, 1255711, 1477738 1704085, 1707062, 1708322 1748630 Y662-18-300A 30667068, 30795423 31285592, 31285595 31288154, 31288155 36000599, 36002577 55244937	FIAT 500X Ford Fiesta VI 1.6 TDCi,-Van C-Max 1.6 TDCi Focus II 1.6 TDCi, -Kombi,-Stufenheck Fusion 1.6 TDCi Kuga I 2.0 TDCi,-4x4 Jeep Renegade Mazda 3 1.6 MZR-CD Volvo C30 1.6D S40 II 1.6D V50 1.6/2.0 D
	3 5448 1 	Melco Litens	A252C5321C A252C532BC 920782	17 /68.8 x 44 6 Grooves M17	A3TG1581 140A GM 92211821
3 5460 1 	Denso FIAT Litens	021040-1980 518 607 57 Kit 552 165 55 Single 920979	17 /58 x 40.3 6 Grooves M16	10210-1430,-1440 51820623, 51820624 51884886 A115 IM 100/120 A	Alfa Giulietta 1.6/2.0 JTDM >04/2010 FIAT Bravo II 2.0 D Multijet >09/2008 Croma 1.9 D Multijet 06/2005 500L, 500X Lancia Delta III 1.6/1.9/2.0 D Multijet Ypsilon 1.6/1.9/2.0 JTD Jeep Renegade

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS






IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5461 1</b>	Denso Toyota Litens	27415-0T020,-021 920835	17 /61 x 41  6 Grooves M16	27060-37010 27060-37011  A115 ib	Toyota Auris 1.6/1.8 VVTi
<b>3 5484 1</b>	MB  Bosch  Litens	270 155 00 15, -01 15 270 155 02 15, -03 15 F 00M 591 124,125 F 00M 599 420,497 920484	17 /57.5 x 40.65  5 Grooves M16	0 125 711 030,055,068,087 EL7 PLUS-HED 150A, 175A MB 000 906 00 22 000 906 08 03 000 906 19 03 000 906 22 02 000 906 23 02	MB A 180,200,250,-4Matic B 180,200,250 CLA 180,250,-Coupe A 45 AMG 4Matic CLA 45 AMG 4-Matic,-Shooting Break >09//2011
<b>NEW 3 5491 1</b>	VW  Litens	06H 903 119 C 06H 903 201 G 920135 1001135	17 /61 x 42.7  6 Grooves M16	Valeo FG20S015 VW 06H 903 017 K 180A	Audi A4,-Allroad,-Avant A5 ,-Cabriolet,-Sportback A6,-Avant Q5 S3 1.8 / 2.0 TFSI (EA888) latest models
<b>NEW 3 5492 1</b>	Bosch  MB  Nissan Litens	F 00M 591 105,108,118,126 F 00M 599 430,491,492 274 155 00 15 274 155 02 15 274 155 03 15 23151-HG00A 920717 1003717	17 /57.50 x 40.00  6 Grooves M16	0 125 711 032,075,076,080, 099,100,113,114, 119-122,163,164, 0 125 812 010,011,043,044 EL7 (Plus-HED) 150/175A EL8Q (-HED) 190A 000 906 05 04 000 906 09 22 000 906 15 03 000 906 18 22 000 906 20 03 000 906 21 03 000 906 40 04 000 906 47 02 000 906 55 01 000 906 77 03 23100-HG00B 23100-4HH3A	C160,-T-Model C 180,-CGI,-T-Model C 180 Coupe,-T-Model C200,-4Matic,-T-Model,-4Matic E180 E 200,- Cabrio,-Coupe,-T-Model E200 NGT E250,-T-Model GLK 200 250,-4Matic 260 2.0i 4-Matic models >2013
<b>NEW 3 5494 1</b>	Hyundai/Kia Litens	37320-2B000 920019	17 /62 x 45.00  6 Grooves M17	37300-2B101 37300-2B400 37300-2B750 37300-2B760 90A / 110A	Hyundai Elantra 1.6 i20, i30 1.4/1.6/GDI i40 1.6/2.0 ix20 1.4/1.6 ix35 2.0/4WD Optima Sonata Veloster 1.6 GDI Kia Cee'd 1.4/1.6 Pro Cee'd 1.4/1.6 Rio III 1.4 Soul 1.6 Venga 1.4/1.6 latest models

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>NEW</b> 3 5495 1	Hyundai/Kia Valeo Korea Litens	25290-2A000 2610989 920016	17 /61 x 41  5 Grooves M16	37300-2A050 37300-2A600, -601 37300-2A650, -651 37300-2A800, -850	Hyundai Elantra 1.6 CRDi i20 1.4/1.6 CRDi i30 1.4/1.6 CRDi,-CW ix20 1.4/1.6 CRDi ix35 1.7 CRDi Kia Rio III 1.1/1.4 CRDi Soul 1.6 CRDi Sportage 1.7 CRDi
<b>NEW</b> 3 5501 1	MB	457 155 20 15 A 906 155 25 15 A 906 155 26 15  O.E. Mercedes pulley  Bosch supplies solid pulley as replacement	30 / 89.4 x 69.3  9 Grooves	0 120 689 567 F 000 LD0 212 F 042 301 067 NL1 28V 100A MB A 009 154 72 02	Atego,-BlueTec,-Hybrid 6.4/7.2 l Axor 6.4/7.2 l Citaro 6.4/7.2 l Connecto 6.4/7.2 l Econic 6.4 l > 2006 Integro,-L,-M 7.2 l Intouro 7.2 l OM 904 LA, OM 924 LA OM 906 LA, HLA, OM 926 LA Tourino 6.4/7.2 l Travego 15.9 l Unimog U300, U4000, U5000 Zetros 7.2 l
<b>NEW</b> 3 5502 1	Denso Toyota Litens	27415-0Y020, -021 920892	17 / 63 x 41  6 Grooves		Toyota Auris 1.33 Dual-VVTi, 1.3 Urban Cruiser 1.33 Yaris 1.33 VVT-i
<b>NEW</b> 3 5505 1	Bosch  Valeo VW Litens	F 00M 591 112,113,133 F 00M 599 448,449,548 F 000 BL9 179 535132 2621788 04E 903 201, -A, -E 8V0 903 119, -A 920046 1000358	17 / 58 x 53.9  6 Grooves M16	0 125 811 004,033,074,111,112 F 000 BL0 701,7A0,7L4 F 000 BL0 805,830,861,862 F 000 BL0 8F2 BE5 110A, BE6 140A EL8 (PLUS) 180A TG14C049,071 04C 903 023 H,-K,-L,-LX 04E 903 021 M,-MX,-N, 04E 903 021 P,-PX,-Q,-R 04E 903 023 B,-C,-G,-H, 04E 903 023 J,-JX,-K,-L 04E 903 024 G,-GX,-J 04E 903 025 H,-J,-JX	Audi A1 1.4 TFSI,-Sportback A3 1.2 TFSI,-Limousine,-Sportback A3 1.4 TFSI,-Cabrio,-Limous,Sportb Q3 1.4 TFSI SEAT Ibiza 1.4 TSI, - SC/ST 1.4 TSI Leon 1.2/1.4 TSI, 1.4 TGI Leon SC/ST 1.2/1.4 TSI Skoda Octavia 1.2 TSI,-Combi 1.4 TSI,-Combi 1.4 TSI G-Tec,-Combi VW Golf VII 1.2 TSI,-Multifuel,-Variant 1.4 TSI ACT -Multifuel,-Variant Jetta 1.4 TSI Polo 1.4 TSI ACT

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5303 1</b> 	Valeo	593610	17 / 78.6 x 40.2	SG9B033	Dacia Logan 1.4/ 1.6
	Renault	7700 110 616 7701 477 689	6 Grooves	SG10B016,020 SG12B089,105 TG11C034 2542420	Renault Clio II 1.4i 16V, 1.6i,-16V, 1.5 DCI Kangoo 1.4i/ 1.6i,-Express/Rapid Laguna I 1.6i 16V,-Grandtour Megane 1.416V, Classic,-Coupe 1.5 DCI,-Cabrio 1.6 Classic,-Coupè, -Grandtour
	Bosch	F 00M 991 054		0 124 325 024,031,184,185 0124 415 013,014,040 0124 525 028	Scenic 1.4 16V,1.4i/ 1.6i, 1.5 DCI
	Nissan			KCB1/2 87-98A	Symbol 1.4i 16V
	Toyota	alternative product INA 3 5347 1		7700 421 477 7700 427 932 7700 429 217,310 7700 434 899,900 7701 473 636,637 7701 713 149 8200 692 865,866 Nissan 23100-00QBB Toyota 27030-165FL	Thalia II 1.4i 16, 1.5 DC, 1.6i
<b>3 5316 1</b> 	Renault	8200 113 636	17 / 61 x 37.6	8200 120 286	Nissan Micra 1.5 Diesel
	Mitsubishi	A660C300EX	5 Grooves	8200 373 636	Renault Clio II 1.5 dCi
	Nissan			A002TB6481	Megane II+III 1.6 16V
	Valeo	alternative product INA 3 3548 1		SG12B038 2542470	Scenic II 1.6 16V Kangoo 1.5 dCi Thalia 1.5 dCi Twingo 1.5 dCi






# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5379 1</b> 	Denso Toyota	021040-1070 27415-30020 27415-0L030  O.E. product  alternative product INA: replacement product:  attention: similar product 3 5382 1	15 / 63 x 41.4  7 Grooves M14  3 5394 1 3 5434 1  shaft 17 mm	102211-2810 102211-5600 104210-8020	Toyota Hiace IV 2.5 D-4D Hilux II+II 2.5/3.0 D-4D Land Cruiser 3.0 D-4D
	<b>3 5382 1</b> 	Denso Toyota	27415-26010 27415-30010,-30011  O.E. product limited stock  alternative product INA: replacement product:  attention: similar product 3 5379 1	17 / 63 x 41.4  7 Grooves M14  3 5473 1 3 5452 1  shaft 15 mm	27060-0G011 104210-4450 104210-4521
<b>3 5383 1</b> 		Melco	A628X91871  O.E. product limited stock replacement product:	17 / 82 x 34.2  V-Belt M17 3 5437 1	A003TA6581,-A A003TB0681 23100-AD210,-AD240
	<b>3 5413 1</b> 	Melco Mitsubishi	A628X92371 MD371144  O.E. product n.a. use replacement product:	17 / 69 x 34.6 6 Grooves M17 w. protection cover  3 5422 1	A3TN2481,-A
<b>3 5420 1</b> 		Denso Honda	31141-RBD-E02  replacement product  alternative product INA:	17/75 x40  7 Grooves M14  3 5449 1	104210-2260 104210-2660 104210-3911 104210-4860 31100-RBD-E02 31100-RSR-E01 Denso 130A

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5421 1 	Denso Toyota	27415-27011  replacement product  alternative product INA:	17/64 x38.6  5 Grooves M14  3 5308 1	102211-2760 104210-3050 104210-3431 27060-27090	Toyota Avensis 2.0D-4D Corolla 2.0D-4D Previa 2.0D-4D RAV4 II 2.0D-4D 4WD
	3 5422 1 	Melco	A628X92371  replacement product  O.E. product n.a.	17/69 x38.6 6 Grooves M17	A3TN2481,-A
3 5423 1 	Denso Toyota Hyundai/KIA	02131-9130-9132 27415-33050 37321-25301  replacement product  alternative product INA:	17/68 x38.6  6 Grooves M14	104210-4101 27060-0N021,-33071,-37010 37300-25301,-25310	Toyota Corolla 1.4D/D-4D Auris 1.4D-4D Hyundai Sonata V 2.0 VVTi KIA Carens III 2.0 Magentis 2.0
	3 5424 1 	Denso Toyota	  replacement product	17/64 x41.6  7 Grooves M14	104210-3410,-3411 27060-30060
3 5425 1 	Denso Ford Mazda Volvo NTN	DCA 1834 IR  replacement product  alternative product INA:	17/59 x43  6 Grooves M14  3 5396 1	104210-3511,-3512,-3513 1229258 1255712 1477737, 8666579, 30667067 3M5T-10300-PB,-PC,-PD  Y601-18-300  30667067 30795422 36000598 63321936 63377416	Ford C-Max 1.6/2.0 TDCi Fiesta VI 1.6 TDCi Focus II 1.6 TDCi,-Turnier 2.0 TDCi,-Cabriolet,-Turnier Fusion 1.6 TDCi Kuga I 2.0 TDCi,-4x4 Mazda 3 1.6 MZ-CD,-Hatchback 1.6 MZR-CD,-Hatchback Volvo C30 1.6/2.0 D C70 II 2.0 D Cabrio S40 II 1.6/2.0 D V50 1.6/2.0 D






# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5426 1</b> 	Melco Suzuki NSK	31171-84A10 91215 571  replacement product  alternative product INA:	17/59 x33.6  6 Grooves M17	A003TN2581,-A 31400-84A00,-A10 DRA 0232 100A	Suzuki Jimny 1.5 DDiS 4WD
			3 5498 1		
<b>3 5427 1</b> 	Melco Nissan	A628X95371  replacement product	17/64 x40.0  7 Grooves M17	A002TG0281 23100-DC000	Nissan Interstar dCi 140 Renault Master II 3.0 dCi 120
<b>3 5432 1</b> 	Melco Mazda	A628X92071 RF5C-18-330  replacement product  alternative product INA:	17/64 x43  8 Grooves M17	A003TB4981,-6581	Mazda 3 2.0/2.2 MZR-CD 5 1.6/2.0 CD 6 2.0/2.2 D/CD/DI CX-7 2.2 MZR-CD MPV II 2.0 DI
			3 5353 1		
<b>3 5433 1</b> 	Denso Toyota	021040-1100,-1410 27415-30011,-33020  replacement product  alternative product INA:	17/66 x39  5 Grooves M14	102211-2780 27060-30080 90A	Toyota Yaris 1.4D-4D Yaris Verso 1.4D-4D
			3 5436 1		
<b>3 5434 1</b> 	Denso Toyota	021040-1070 27415-30020 27415-0L030  replacement product  O.E. product NSK: alternative product INA:	15/63 x41.4  7 Grooves M14	102211-2810,-5600	Toyota Hiace IV 2.5D-4D Hilux III 3.0/2.5D-4D Land Cruiser 3.0D-4D
			3 5379 1 3 5394 1		
<b>3 5437 1</b> 	Melco	A628X91871  replacement product  O.E. product:	17/82 x 34.5  V-Belt M17	A3TA6581,-A A3TB0681 23100-AD210,-240	Nissan Primera 2.2dCi/Di
			3 5383 1		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5440 1</b> 	Honda NSK	31141-RL0-G01 4DFB503238	17 /70.4 x 32.5  7 Grooves M14	104210-1150 31100-RFW-G01 31100-RFW-G51 31100-RL0-G01 31100-RL0-G51 130 A	Honda Accord VIII 2.2i-DTEC Civic IX 1.6/2.2i-DTEC CR-V III 2.2i-CTDi/DTEC CRV-IV 1.6/2.2i-DTEC
		O.E. product limited stock alternative product INA	3 5470 1		
<b>3 5451 1</b> 	Denso Toyota	replacement product	17 /62.3 x 38.9  8 Grooves M14	104210-3710,-3714	Landrover Discovery III 2.7TD 4x4 Range Rover 2.7TDVM 4x4
		replacement product	3 5382 1 3 5473 1		
<b>3 5452 1</b> 	Denso Toyota	27415-26010 27415-30010	17 /64.9 x 39  7 Grooves M14	27060-0G011 104210-4521	Lexus IS II 200d/220d MB C 320 CDI Toyota Auris 2.0/2.2D-4D Avensis 2.0/2.2 D-4D Corolla 2.0/2.2D-4D Dyna 3.0D-4D Land Cruiser 3.0D-4D RAV4 III 2.2D-4D Verso 2.0/2.2D-4D Yaris 1.3 VVTi Hiace IV 2.5D-4D
		replacement product  O.E. product: alternative product INA:	3 5382 1 3 5473 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3550 0</b>	Bosch Valeo INA	1 120 591 505 2547129 F-226556-51	Pulley-Cover Dust Cap	fits IKA-No.:	3 3515 1, 3 3518 1, 3 3540 1, 3 3545 1, 3 3548 1 3 3559 1, 3 3560 1, 3 3564 1, 3 3576 1, 3 3577 1, 3 3583 1, 3 3587 1, 3 5324 1, 3 5327 1, 3 5343 1, 3 5345 1, 3 5349 1, 3 5351 1, 3 5352 1, 3 5353 1, 3 5356 1, 3 5357 1, 3 5360 1, 3 5362 1, 3 5380 1, 3 5381 1, 3 5389 1, 3 5403 1, 3 5411 1, 3 5431 1, 3 5436 1, 3 5457 1, 3 5459 1, 3 5463 1, 3 5465 1, 3 5470 1, 3 5486 1
<b>3 3553 0</b>	Bosch Valeo INA	F 00M 148 610 2546990 F-226954-91 F-230209-91	Pulley-Cover Dust Cap  replacement for 3 3552 0	fits IKA-No.:	3 3524 1, 3 3543 1, 3 3555 1, 3 5355 1, 3 5366 1
<b>3 3554 0</b>	Bosch  Remy Valeo INA	F 00M 148 611 1 120 591 506 19054399 2546971, -A F-225653-91 F-228824-91	Pulley Cover Dust Cap  Replacement for 3 3551 0	fits IKA-No.:	3 3516 1, 3 3517 1, 3 3520 1, 3 3521 1, 3 3522 1, 3 3523 1, 3 3525 1, 3 3526 1, 3 3527 1, 3 3528 1, 3 3529 1, 3 3531 1, 3 3532 1, 3 3533 1, 3 3534 1, 3 3535 1, 3 3537 1, 3 3539 1, 3 3541 1, 3 3542 1, 3 3545 1, 3 3546 1, 3 3547 1, 3 3549 1, 3 3556 1, 3 3557 1, 3 3558 1, 3 3560 1, 3 3561 1, 3 3563 1, 3 3565 1, 3 3568 1, 3 3569 1, 3 3573 1, 3 3574 1, 3 3578 1, 3 3579 1, 3 3580 1, 3 3581 1, 3 3582 1, 3 3584 1, 3 3586 1, 3 3589 1, 3 3590 1, 3 3591 1, 3 5302 1, 3 5307 1, 3 5308 1, 3 5309 1, 3 5310 1, 3 5311 1, 3 5312 1, 3 5313 1, 3 5314 1, 3 5317 1, 3 5319 1, 3 5320 1, 3 5323 1, 3 5326 1, 3 5328 1, 3 5331 1, 3 5332 1, 3 5333 1, 3 5334 1, 3 5335 1, 3 5336 1, 3 5337 1, 3 5338 1, 3 5339 1, 3 5340 1, 3 5341 1, 3 5342 1, 3 5344 1, 3 5347 1, 3 5348 1, 3 5354 1, 3 5358 1, 3 5369 1, 3 5373 1, 3 5374 1, 3 5376 1, 3 5384 1, 3 5385 1, 3 5386 1, 3 5387 1, 3 5388 1, 3 5390 1, 3 5391 1, 3 5392 1, 3 5393 1, 3 5410 1, 3 5414 1, 3 5416 1, 3 5417 1, 3 5418 1, 3 5419 1, 3 5430 1, 3 5431 1, 3 5435 1, 3 5438 1, 3 5439 1, 3 5441 1, 3 5449 1, 3 5454 1, 3 5455 1, 3 5458 1, 3 5462 1, 3 5466 1, 3 5485 1, 3 5487 1, 3 5488 1, 3 5489 1







# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS



# COVER LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3597 0</b>	Bosch Denso Ford Visteon Opel Litens	F 00M 391 400  93 187 362 920617, 920732	Pulley-Cover Dust Cap	fits IKA-No.: 3 3588 1, 3 3592 1, 3 3594 1, 3 3595 1 3 3596 1, 3 5301 1, 3 5325 1, 3 5361 1, 3 5367 1, 3 5370 1, 3 5448 1	
<b>3 3599 0</b>	Bosch Litens	F 00M 148 604 920575	Pulley Cover Dust Cap	fits IKA-No.: 3 3562 1	
<b>3 5322 0</b>	Bosch Opel Litens	F 00M 148 603 F 00M 148 607 920502	Pulley Cover Dust Cap		
<b>3 5350 0</b>	Bosch Litens	F 00M 148 617 920798	Pulley Cover Dust Cap	fits IKA-No.: 3 5363 1, 3 5365 1, 3 5372 1, 3 5377 1, 3 5378 1, 3 5412 1, 3 5461 1	
<b>3 5398 0</b>	Ford Visteon Volvo Litens	920822	Pulley Cover Dust Cap	fits IKA No.: 3 5371 1	
<b>3 5405 0</b>	Bosch  Opel VW Litens	F 00M 148 618,619,622 F 00M 591 400  06J 145 291 920918	Pulley Cover Dust Cap	fits IKA-No.: 3 5404 1, 3 5406 1, 3 5415 1, 3 5443 1, 3 5444 1, 3 5445 1, 3 5446 1, 3 5447 1, 3 5460 1, 3 5484 1	

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# TOOLS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3530 0</b>	Bosch	Pulley Combitool	Shaft 114 mm	for assembly of INA Types BOSCH Application long shaft and Litens Decoupler Pulleys	3 3562 1, 3 3571 1 3 3572 1, 3 3588 1 3 3593 1- 3 3596 1 3 5301 1, 3 5363 1 3 5332 1, 3 5364 1 3 5367 1,
					
<b>3 3570 0</b>	Valeo	Pulley Combitool		for assembly of INA Types VALEO Application	3 3533 1, 3 3541 1 3 3543 1
					
<b>3 3575 0</b>	Denso	Pulley Combitool		for assembly of INA Types DENSO Application VOLVO Application	3 3539 1
					
<b>3 4201 0</b>	Bosch	Pulley Combitool	fine tooth 12 teeth	for assembly of Litens Decoupler Pulleys	3 3592 1, 3 5325 1 3 5361 1, 3 5365 1
					
<b>3 4202 0</b>		Pulley Combitool	Torx T50 6 teeth	for assembly of Litens Decoupler Pulleys	
					
<b>3 5306 0</b>	Renault	Pulley Combitool		for assembly of Rubber Clutch Pulley	3 5303 1
					

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5409 0	Mitsubishi		Pulley Combitool	for assembly of: DENSO Types Japanese Application	3 5379 1, 3 5382 1 3 5383 1
					
3 5450 0	LUK	400 0241 10	Universal Tool Box	for all IDP / OAP Pulleys and Rubber Clutch Pulleys	
					

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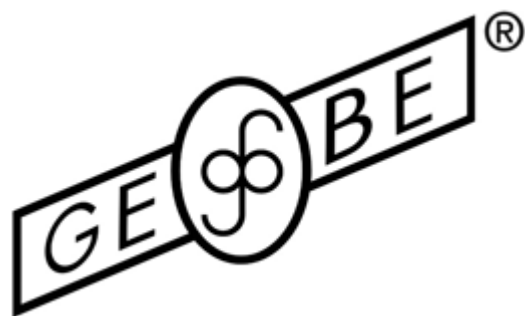
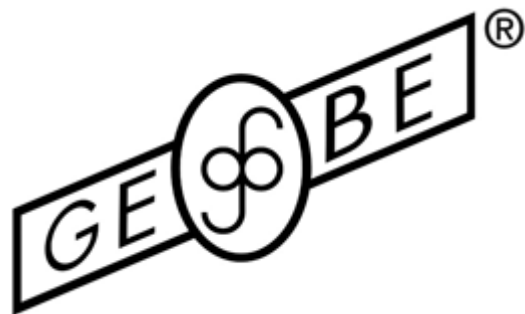
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KUGELLAGER

BEARINGS

ROULEMENTS







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW 8 8037 0</b>	Bosch	2 120 910 000	20 / 47 x 14 mm CE	0 120 689 519,529,536,537,544,547, 554,556,560,589,590 T1 (RL) 28V 110/180A
<b>8 8121 0</b>	Bosch	1 120 905 012,017,036,048,049 054,055,062,070-072, 084,086,089,093-096 504,506,507,510,520, 527,531 F 00M 990 415,417,425,426,434	17 / 52 x 17 mm DE	0 120 465 003,004,013-017,031 0 120 468 019,020,025-027, 030-033,048,049, 057-066,070-072, 075-078,091,092, 094,099,100,102-105, 109-112,116,121-125, 127,129,130,134,139, 141,999 0 120 469 004-007,011,012,531, 744-746,811,812,852-857, 884,894,896,897,905-907, 911,912,920,925-928,930, 941-943,946-948,955,956, 959,960,963,966-969,973, 974,984,985 0 120 485 011,012,022,025,026,047,048, 132,133,135,136 0 120 488 126 0 120 489 323-329 0 121 813 001-007,014,020 0 123 214 002 0 123 215 001 0 123 310 004,005,010-013,022,026,028, 041-044,047,050 0 123 315 003,005,007,013,020 500-503,506 0 123 320 004,010,011,016,020,022,023, 026,028,030,039,042,043,051, 052,054,057,065,066,068 0 123 325 007,010,500 0 123 335 001,003-006 0 123 340 006,007 0 123 345 004 0 123 500 001,002 0 123 505 007-009,017,018 0 123 510 002,004,010-016,022, 028,033,041,042,045-047, 060,061,070,071,073, 088,091,092,094, 0 123 512 500,502 0 123 515 002,004,007,010,012,016, 022-025,030,031,501-503 0 123 520 003,004,015,019,020-022, 026,027,030,031,500 0 123 525 500,501,504 0 123 540 002-004 0 123 545 004 0 124 325 053,063,064,067,098,107, 109,110,115,118,119,132, 136,139,161,183,186,211 0 124 355 001,002 0 124 415 015 0 124 425 001,039,045-047,069 0 124 515 017,019,054,103,111, 116,122,136,137,503 0 124 525 001-007,014,020,029, 041,051,060,061,085, 096,105,109-111,129, 130,138 0 124 555 001,003,004,006-008, 011-016,021-023,025, 029,030,032,034, 040-042,044-046,056, 065,553 0 124 615 006-009,015-017,021, 024,026,030,035,038, 040,048

IKA-No.	Original	References	Dimensions	Unit-Nos.
				0 124 625 010,029,030,043,046, 051, 0 124 655 001-007,009,011,023, 026,030,036-039,042, 047,069,082,091,093 6 004 MLO 000-002,004,005 6 033 G30 30B,31B,37B-40B,43B 6 033 GB3 030,031,040 9 123 369 028 F 000 LD1 406 F 002 G10 329,948 F 010 LDO 201,202,205,206
<b>8 8130 0</b>	Bosch	1 120 905 005 1 120 905 103	17 / 52 x 21 mm DE	0 120 468 053,107,113,115,118, 137,138,140,143,145, 149,154,159,160,162,163 0 120 469 001,013,046,047,101, 115-118,120,686,687, 895,982 0 120 488 256,277,278,282,291, 315,316 6 033 G00 4BY 6 033 G30 81B,82B 6 033 GB3 006,008,010,019,022, 023,027,047,054,055,083 9 120 080 181,219
<b>8 8132 0</b>	Bosch	1 120 900 008,010 1 900 900 391	17 / 62 x 17,5 mm DE	0 120 400 633,664,667,668,683,684, 695,701,712,713,754,785, 796,797,800,830,842,843, 877,892,929 0 120 469 008,019,024,025,036, 038-041,103,506,509,518, 526,527,540,562,585,592, 691,692,761,796,891,983, 0 120 484 022,024 0 120 488 208,232,271,273,289 0 120 489 032,053,221,224,230,320, 684,726,731,827,944 6 033 GB3 053 9 120 080 031,039,049,055,082,111,132
<b>8 8133 0</b>	Bosch	1 900 910 024 2 120 910 001	15 / 35 x 11 mm CE	0120 689 503-508,510-518,520-528, 530-535,538-543,545,546, 548-553,555,557-559 561-564,566,567,569-578, 582-585,587,588 0 122 469 001-005 F 000 LDO 202,205-213
<b>8 8316 0</b>	Bosch	1 120 905 035	22 / 56 x 21 mm DE	0 120 468 028,054,055,136,147
<b>8 8389 0</b>	Bosch	1 120 905 097	17 / 62 x 20 mm DE	0 120 468 131,132,135,144,146, 155,161, 0 120 469 033,044,104,105, 6 033 G00 1BY 6 033 G30 03B,45B 6 033 GB3 020,021,033-036,045,048
<b>8 8551 0</b>	Bosch	1 120 900 002,012 1 120 905 003 1 900 905 375 6 033 GD7 001	12 / 28 x 12 mm CE	0 120 300 550,551,558,559,569,592 0 120 339 515,516,523,528,533,534,546 0 120 450 001-004,009 0 120 469 500-505,510-513,515,517, 524,525,528,533-535,537, 539,541-543-548,551-561, 563,564,566-568,570-576, 578,581-584,586-591,593-595, 598-611,617-620,628,631-633, 635-638,641,642,644,645, 648-651,654,664,665,667-670,
	SKF	63001 2RS		

IKA-No.	Original	References	Dimensions	Unit-Nos.
				674-677,680,681,694,695, 711,712,721,754,782,783, 791,792,794,795,804-806, 818-821,844,944,945,949, 950,979,981 0 120 488 000-012 6 033 GB4 009 9 120 080 212,226,230,232 9 120 143 015-017,033-036,203,204,218 9 120 144 292,600-606,608-624 9 120 333 230 9 120 334 625-628,634-636,638-641 F 000 LDO 100-102,109,112,114-119, 123,124
<b>8 8552 0</b>	Bosch	1 900 900 206 2 000 900 001	45 / 75 x 10 mm ML	0 001 510 001-003,005,008-010, 017-041 QB Starters 0 001 608 001 0 001 609 003
<b>8 8553 0</b>	Bosch	2 120 905 000 2 120 905 004 2 120 905 006	30 / 72 x 27 mm DE	0 120 600 592 0 120 689 519,520,522,523, 526-531,533-537, 540-549,551-564, 566,567,569-578, 582-585,587-590 F 000 LDO 202,205-213
<b>8 8555 0</b>	Bosch	2 000 914 012	25 / 62 x 17 mm DE	0 001 510 001-003,005,008-010, 017-041 QB Starters
<b>8 8659 0</b>	Bosch	F 00M 990 437 F 00M 990 455	17 / 62x 21 mm DE	0 124 625 044,059,061,062,066,067,069,071, 072,076,078-081,091,098-100,103, 105,106,115-120,123,127 0 124 655 021,024,025,057,066,072,073,076, 094,099,106,120,121,130,134,137, 152,155,162,177,185,186,193,195, 198,207,210,230,253,261,262,265, 266,297,321,357-360
<b>8 8660 0</b>	Bosch	6 003 AC0 294 DE	26 / 58 x 20 mm	0 001 330 004,007,008,011-014, 016,017,501,502 0 001 340 501-503, 0 001 34B B01,H01 GVB Starters
<b>8 8662 0</b>	Bosch SKF	F 00M 990 400,402,403 405,418 BB1-0603A	17 / 35 x 10 mm CE	0 124 215 001-009 0 124 220 002 0 124 225 001,002,004,009-016, 018-042,045-047,049-055, 058,060,061,063 0 124 310 001 0 124 315 001-008,010-016,018-022, 024-040,043 0 124 320 001,002 0 124 325 001-004,006-024,028, 030-037,039-067,071-079, 081,083,085-089,093-098, 100-102,105-122-134, 136-142,144-146,148-150, 152-154,158,160-168, 170-173,177-180, 182-187,190,191,195,203, 205,211,217,219-221,226,227 0 124 415 001,002,005-016,023,025,026 028,030,032,033,035,037,038, 404,041,043 0 001 425 001,004-011,013,015,018-042, 045-050,053,056-061,069-071,

IKA-No.	Original	References	Dimensions	Unit-Nos.
				074,075,077,084-087,096,097,103
				0 124 510 001
				0 124 515 001,004-006,008,010-013,015, 017-028,031-035,038-051,054-062, 064,068,073,079-091,095-103,105, 109-118,120-122,124-126,131,132, 134,136,137,190,191,
				0 124 525 001-010,012-022,026-031,034,035, 038-051,053,055-061,063,064,066, 067,069,070,072,074-076,078, 080-098,100-103,105-107,109-111, 113-116,119,125,126,128-130,132, 133,135-141,143,146-148,151, 154-156,161,167,168,171,174,187, 188,192,195,200,201,207,208,210, 215,216,222,223,508,511
				0 124 555 003,005,006,010,013,014,028,032, 040,041,044-046,052,056,061,065 553
				0 124 615 002,006-009,012-022,024-029, 031-033,035,038,040-044,046-049, 055
				0 124 625 001-007,010,014,015,017-020, 022-026,028-033,043,045,046,051
				0 124 655 003,005,006,009,011,013,023,030, 033,036,037,039,042,047,069,082, 091,093,097
				6 004 MA5 008
				6 004 MLO 000-002,004,005,012,017,024
				9 124 225 037
				9 124 690 001,002
				F 000 LDO 700
				F 002 G10 827,834
				F 004 225 000,100
				F 004 315 000,100
				F 004 692 004

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8134 0</b>	Denso NTN	949100-2700 6304 2RSC3	20 / 52 x 15 mm	021000-7310, -7320, -7450, -9930 -9931, 9960, -9980 100210-0442, -1390, -1391, -1401, -1421, -1531, -2210, -2211, -2250, -2251, -2280, -2290, -2302, -2343, -2600, -2630, -2660, -2700, -2720, -2730, -2750, -2760, -2840, -2860, -2861, -2960, -2980, -2991, -3080, -3220, -3230, -3240, -3280, -3350, -3360, -3400, -3460, -3580, -3610, -3660, -3680, -3720, -3730, -3760, -3770, -3810, -3820, -3821, -3840, -3871 100213-0250, -0260, -0290, -0300, -0760, -0770, -0850, 0950, -1120, -1180, -1210, -1300, -1450, -1500, -1520, -1560, -1700, -2630 121000-0013, -0041, -0720, -0730, -0731, -0740, -0820, -0830, -0840, -0850, -0890, -0920, -0930, -0940, -0950, -0970, -1180, -1290, -1480, -1720, -1770, -2150, -2640, -2980, -5100, -5330, -5480, -8200, 228000-3980
<b>8 8141 0</b>	Denso	949100-3820,3821 -5750	15 / 52 x 16 mm	028000-8850 100211-3081,3090,3091,3101 3141,3151,3180,3181, 3220,3221,3321,3352, 3401,3410,3490,7000
<b>8 8265 0</b>	Denso	949100-3270	15 / 36 x 18 mm	100211-1600
<b>8 8315 0</b>	Denso	949105-0110	12.5 / 17 x 17 mm	028000-6490,6491,6492,6493, 6494,6495,7091,7092, 7093 128000-1620,1621,1683,2421, 2430,2431,2530,2540, 2550
<b>8 8538 0</b>	Denso Toyota	949100-3190,3290 90099-10152	15 / 43 x 13 mm	100211-1000,1001,1010,1011, 1020,1021,1030,1031, 1040,1041,1050,1060, 1061,1070,1071-1074, 1080,1081,1090,1091
<b>8 8539 0</b>	Denso	949100-3330,4370 -5010,6750	17 / 52 x 16 mm	100211-0120,2400,2820,2830, 2840,2850,2860,5020, 6000,6010,6020,6030, 6031,6050,6060,6080
<b>8 8540 0</b>	Denso	949100-3360,3361,3380, -3450,3461,3462, -4620	15 / 46 x 14 mm	081000-1321,1480,1611,1660, 1700,1701,1740,1760, 1970,2100,2430,2440, 100210-3070,3190,3210,3381, 3410
<b>8 8541 0</b>	Denso	949100-3480,3481	15 / 38 x 19 mm	100211-1280,1520,1560,1570, 1571,1601,1620,4111, 4112,4140,4141,4160, 4170,4240,4250,4280, 4290

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8545 0</b>	Denso	949100-2790,3980 -4440,5360	15 / 35 x 13 mm	100210-3070,3190,3210,3381, 3410,3470,3480,3700, 3780 100211-0120,1000,1001,1010, 1011,1020,1021
<b>8 8546 0</b>	Denso Toyota	949100-3170,3230 -3650,3660 90099-10154	15 / 32 x 11 mm	100211-1280,1400,1411,1420, 1440,1492,1520,1550, 1560,1570,1571,1580, 1590,1600,1601,1610, 1620,1630,1640
<b>8 8547 0</b>	Denso Poong-Sung		17 / 52 x 15 mm 6304 DR	02131-9040
<b>8 8670 0</b>	Denso	949100-4840	8 / 28 x 9 mm	228000-2120,2680,2690,2700, 2980,2990,3260,3840, 3850,3851,3920,3980, 4050,4291,4570,4830, 5120

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8135 0</b>	Hitachi Melco Nissan	6202 NCD,NCDG,NCT S930P18301,-18370 64301,-64370 23129-05E06 B 15-69 with snapping	15 / 35 x 13 mm	LR1100-501,501B,502E,503 503B,503C, LR140-410,410B,410F,410G, 411,411B A2T01077,01384,01483,01583, 01683,01783,01976,02084, 06384,07677,07777,08799, 09884,10083,14376,14876, 18476
<b>8 8138 0</b>	Hitachi Melco Nissan	6202 NC MD611476 23129-05E06 23129-16A00 23129-61501 23129-V6600	15 / 35 x 11 mm with snapping	LR140-119, -C, -130B, -130P LR140-402, -406, -408, -410BA LR150-133, -135, -136, 139 LR150-162, -192, -201, -202 LR150-204, -205, -206, -211 LR150-401, -402, -403, -410 LR150-419BA, -421, -423, -431, LR150-432, -434, -441, -442 LR160-107, -108, -131, -401, LR170-420
<b>8 8169 0</b>	Hitachi	6302 NC	15 / 42 x 13 mm with snapping	23099-Z5562 LR225-68B,80,80B, LR235-58,62,68,69,70,70B, 75C,75E,78,78B,78C
<b>8 8220 0</b>	Hitachi	6201 NCD,NCDP B 12-57  with snapping	12 / 32 x 13 mm	LR1110-701B,703B,704 LR1125-701 LR150-199 LR155-502B,502C,502E, 503,504
<b>8 8260 0</b>	Hitachi Nissan SKF	2114-25502,-25511 -35511 23338-M4900 6903 2RS1	17 / 30 x 7 mm	S114-252F,253B,254C,254D 255A,256B,257,257G, 257H,258C,264,268, 290B,293,296A,322A
<b>8 8261 0</b>	Hitachi Nissan SKF	2114-35502,75502 -95502 2130-5509 23358-M4900 6904 2RS1	20 / 37 x 9 mm	S114-252F,253B,254D,255A, 256B,257,257G,257H, 258C,264,290B,293, 322A,338A,339A,339C
<b>8 8262 0</b>	Hitachi Nissan SKF	2130-3302 23441-J5500 6905 2RS	25 / 42 x 9 mm	S13-33,33A,33B,34A,37, 37B,38A,38B,40,40A, 41,41A S13-107A,118,138,138A,
<b>8 8666 0</b>	Hitachi	6202 LLBC3 with 2 teflon rings	15 / 35 x 11 mm	LR155-16B A2T27477A A3TN0199, -0299, -0899 MD309849, MD315432
<b>8 8685 0</b>	Hitachi	6900 BPL B 10-46 D	10 / 23 x 11 mm with snapping	LR140-701 LR145-701,701E, LR160-702B,703B,709,710 LR170-701,701B,701E,702B
<b>8 8687 0</b>	Hitachi Nissan	6000G,-HC,-HL,-TR 23120-58S01 B 10-50 D	10 / 27 x 11 mm with snapping	LR1100-703,703B,704,704B 704E,705,705B,705C, 705E,708,708B

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8333 0	Marelli/Fiat SKF NSK	BB1-3036 6003 DW	16.96 / 34.97 x 9.94 mm	A115i, A127i (internal fan)



<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8131 0</b>	Melco Mazda	S930P61201,-65370 6201 DW with snapping S210-24-523	12 / 32 x 10 mm	A1T32084,32099,32176, 33076,33576,33676, 33771,70676,71076, 71176,71276,71576 A2T25979,27176,27376, 31574
<b>8 8139 0</b>	Melco Mitsubishi	S930P64570 with 2 teflon rings MD618179	10 / 27 x 14 mm	A3T06291,A3TA0593 A4T00891,00991,01493,01693, 01793,01893,02891,02892, 02893,02991,03091,03191, 03292,03293
<b>8 8255 0</b>	Melco	6902 LLUC3	15 x 28 x 7 mm	31200-P03-005 SM-302-01, SM-302- ... SM-422-09 D7RS1, D7RS7 Honda Gear Reduction Starters
<b>8 8306 0</b>	Melco	6004 DW with bushing	18.73 / 42 x 12 mm	M2T57871,57881,61771,67881, 67882,67883,67981,69081, 69381,78372,78381,78382, 78383,78481,78482
<b>8 8312 0</b>	Melco	S930P80570 B17-116 DG	17 / 52 x 18 mm	A2TA3891,-A,-B A2TB7991, A3T08491,-A,11591,12291,-A, 12491,12991,13091,13191
<b>8 8429 0</b>	Melco Mitsubishi	M690X00571,-572 ME 701484	Bearing Set 6004 LLUC3 20 / 42 x 12 and oil seal	M2T80772,S0071,S0271,S5071 M8T50271,55171,70371,71571, 75171,77071,77072,77074, 77075,80071
<b>8 8430 0</b>	Melco Mitsubishi	M410X14171 ME 701024	Bearing Set 6004 DW with bushing 18.73 / 42 x 12 and oil seal	M2T57871,57881,61771,67881, 67882,67883,67981,69081, 69381,78372,78381,78382, 78383,78481,78482 M3T61071
<b>8 8431 0</b>	Melco	6906 2RS1	30 x 47 x 9 mm	M1T60081,60181,60185,60281, 60285,60581,61181
<b>8 8536 0</b>	Melco	S930P63070,-65270 6303 LH B 15-86D	15 / 47 x 14 mm	A1T01591,01691,02091,02191, 02291,03191,03292,03392, 03672,03872,03972,04072, 04172,04272,04491,04495, 04572
<b>8 8556 0</b>	Melco Mitsubishi	M410X12971 ME700849 6904 DW 2RS with bushing	18.73 / 37 x 9 mm	M2T50391,51082,51085,54091, 54272,54572,54871,56071, 56185,64178,64271,66871, 66872,66873,67871,
<b>8 8680 0</b>	Melco	6904 DW ZZ with bushing	18.73 / 37 x 9 mm	M3T19971
<b>8 8682 0</b>	Melco	S930P64470,-65470 B17-107 D	17 / 47 x 18 mm	A2T13391,-C,-D,-E,13894, 14591,14592,18792, 27594,27892,29594, 33493,34692A,35791, 35891
<b>8 8686 0</b>	Melco Mitsubishi	S930P18470 B 15-83 D B 15-84 DW MD611410	15 / 47 x 18 mm	A2T02394,-B,03291,04577, 04578,04598,04599, 06091,06092,14694, 17491,47794,-B,48594

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8689 0</b>	Melco	S930P63605,-63670 S933P63670 B 8-23D w. 2 teflon rings	8 / 23 x14 mm	A1T02674,03191,03292, 03392,03672,03872, 03972,04072,04172, 04272,04491,04495, 04572,06191,06391,
<b>8 8690 0</b>	Melco Mitsubishi	S930P17901,-17970 B 8-79 D with snapping MD611150	8 / 23 x 11 mm	A0T25171,25271,25371, 25373,25471 A1T01591,01691,01991, 02471,34472,34572, 34672,40191,40291, 40671,40791
<b>8 8691 0</b>	Melco	S930P17170 B 8-74 D with snapping	8 / 22 x 11 mm	A1T40391,40491 A2T06577,40571B,40577B, 41991,42571,42599, 45272,45771,48195 A5T40374,41277, A7T30271,30371

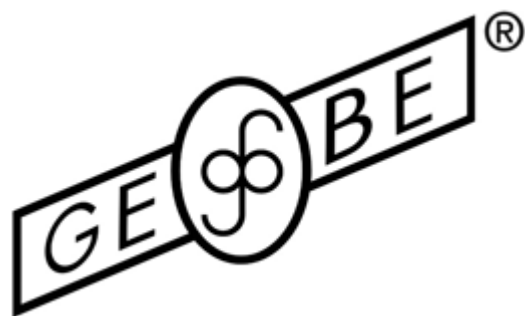
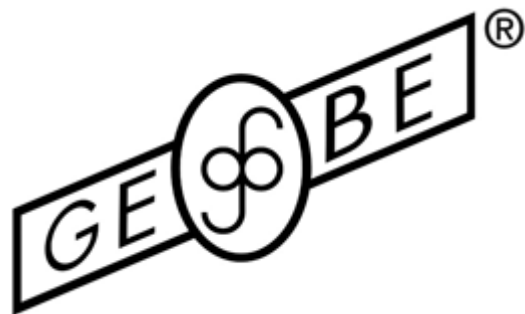
<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8256 0</b>	SKF Remy	62000 2RS 10473711	10 / 26 x 10 mm	CS130 1047 9902,9903,9905,9906, 9909,9910,9911,9912, 9913,9922,9938 1048 0025,0027,0028,0035
<b>8 8433 0</b>	Remy  Ford	1989711 1047 2207,-4532	10 / 26 x 08 mm w. 2 teflon rings	CS144 1047 9809,9836,9838,9839, 9843,9844,9847, 9853-9855,9884,9904, 9907,9920,9921,9959, 9974,9976 3G-series

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8212 0</b>	Melco Valeo	B 17-99 592905,592936, 593674	17 / 52 x 17 mm	Valeo A14V110
<b>8 8212 1</b>	Valeo  FAG	592905,592936 593674  565007, 806078	17 / 52 x 17 mm	A13V02,05,07, A13V167,69,71,74,75,77,81, 94,95,99-102,134,135, 138,170,201 A14V110
<b>8 8278 0</b>	Valeo	102130	17 / 62 x 17 mm	A13N236M A14N1,2,4,9,10,12-14, 118M,119M,141M
<b>8 8280 0</b>	Valeo	593691	15 / 40 x 12 mm 6203 LHA	A13V1100,170,174-176,198
<b>8 8546 1</b>	Valeo	592866,593690	15 /32 x 11 mm	A11V110,11,15-18,21-26 28-31,51 A13V1132,139,141,144

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 8 8119 7	SKF	6203 2RSH	17 / 40 x 12 mm	VPE 210
<b>NEW</b> 8 8120 7	SKF	6201 2RSH	12 / 32 x 10 mm	VPE 384
<b>NEW</b> 8 8124 7	SKF	6003 ZZ	17 / 35 x 10 mm	VPE 312
<b>NEW</b> 8 8134 7	SKF	6304 2RSH	20 / 52 x 15 mm	VPE 85
8 8137 0	FAG	62304 2RSR	20 / 52 x 21 mm	
<b>NEW</b> 8 8143 7	SKF	6001 2RSH	12 / 28 x 8 mm	VPE 630
<b>NEW</b> 8 8144 7	SKF	6002 2RSH	15 / 32 x 9 mm	VPE 432
<b>NEW</b> 8 8147 7	SKF	608 ZZ	8 / 22 x 7 mm	VPE 300
<b>NEW</b> 8 8148 7	SKF	607 2RS1/ H	17 / 19 x 6 mm	VPE 1
<b>NEW</b> 8 8153 7	SKF	609 2RS1/ H	19 / 24 x 7 mm	VPE 1
<b>NEW</b> 8 8155 7	SKF	627 2RS1 / H	17 / 22 x 7 mm	VPE 1
<b>NEW</b> 8 8156 7	SKF	6200 2RSH	10 / 30 x 9 mm	VPE 495
<b>NEW</b> 8 8157 7	SKF	6202 2RSH	15 / 35 x 11 mm	VPE 273
<b>NEW</b> 8 8158 7	SKF	6303 2RSH	17 / 47 x 14 mm	VPE 120
<b>NEW</b> 8 8186 7	SKF	626 2RS1 / H	6 / 19 x 6 mm	VPE 210
<b>NEW</b> 8 8187 7	SKF	6629 2RS1 / H	9 / 26 x 8 mm	VPE 350
<b>NEW</b> 8 8210 7	SKF	6000 2RSH	10 / 26 x 8 mm	VPE 350
<b>NEW</b> 8 8213 7	SKF	6003 2RSH	17 / 35 x 10 mm	VPE 312
<b>NEW</b> 8 8214 7	SKF	6004 2RSH	20 / 42 x 12 mm	VPE 182
<b>NEW</b> 8 8215 7	SKF	6005 2RSH	25 / 47 x 12 mm	VPE 140
<b>NEW</b> 8 8216 7	SKF	6006 2RS1	30 / 55 x 13 mm	VPE 90
<b>NEW</b> 8 8222 7	SKF	6204 2RSH	20 / 47 x 14 mm	VPE 120
<b>NEW</b> 8 8224 7	SKF	6205 2RSH	25 / 52 x 15 mm	VPE 85
<b>NEW</b> 8 8226 7	SKF	6206 2RSH / 1	30 / 62 x 16 mm	VPE 60
<b>NEW</b> 8 8227 7	SKF	6207 2RSH / 1	35 / 72 x 17 mm	VPE 32
<b>NEW</b> 8 8236 7	SKF	6302 2RSH	15 / 42 x 13 mm	VPE 156
<b>NEW</b> 8 8239 7	SKF	6305 2RSH / 1	25 / 62 x 17 mm	VPE 48
<b>NEW</b> 8 8241 7	SKF	6306 2RSH / 1	30 / 72 x 19 mm	VPE 32
8 8258 0	FAG	62302 2RSR	15 / 42 x 17 mm	
8 8259 0	FAG	62305 2RS	25 / 62 x 24 mm	

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 8 8263 7	SKF	6608 2RSH / 1	8 / 22 x 7 mm	VPE 300
<b>NEW</b> 8 8551 7	SKF	63001 2RS1C3	12 / 28 x 12 mm	VPE 1
8 8679 0	FAG	62202 2RSR	15 / 35 x 14 mm	

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
8 8119 0	NTN	6203 LLUC3	17 / 40 x 12 mm	
8 8120 0	NTN	6201 LLUC3	12 / 32 x 10 mm	
8 8125 0	NTN	6202 ZZC3	15 / 35 x 11 mm	
8 8142 0	NTN	6304 2RSC3	20 / 52 x 15 mm	
8 8143 0	NTN	6001 LLUC3	12 / 28 x 8 mm	
8 8144 0	NTN	6002 LLUC3	15 / 32 x 9 mm	
8 8145 0	NTN	6301 LLUC3	12 / 37 x 12 mm	
8 8156 0	NTN	6200 LLUC3	10 / 30 x 9 mm	
8 8157 0	NTN	6202 LLUC3	15 / 35 x 11 mm	
8 8158 0	NTN	6303 LLUC3	17 / 47 x 14 mm	
8 8210 0	NTN	6000 LLUC3	10 / 26 x 8 mm	
8 8213 0	NTN	6003 LLUC3	17 / 35 x 10 mm	
8 8214 0	NTN	6004 LLUC3	20 / 42 x 12 mm	
8 8215 0	NTN	6005 LLUC3	25 / 47 x 12 mm	
8 8216 0	NTN	6006 LLUC3	30 / 55 x 13 mm	
8 8218 0	NTN	6008 LLUC3	40 / 68 x 15 mm	
8 8222 0	NTN	6204 LLUC3	20 / 47 x 14 mm	
8 8224 0	NTN	6205 LLUC3	25 / 52 x 15 mm	
8 8226 0	NTN	6206 LLUC3	30 / 62 x 16 mm	
8 8227 0	NTN	6207 2RSC3	35 / 72 x 17 mm	
8 8228 0	NTN	6208 2RSC3	40 / 80 x 18 mm	
8 8235 0	NTN	6300 LLUC3	10 / 35 x 11 mm	
8 8236 0	NTN	6302 LLUC3	15 / 42 x 13 mm	
8 8237 0	NTN	6302 ZZC3	15 / 42 x 13 mm	
8 8238 0	NTN	6304 ZZC3	20 / 52 x 15 mm	
8 8239 0	NTN	6305 LLUC3	25 / 62 x 17 mm	
8 8241 0	NTN	6306 LLUC3	30 / 72 x 19 mm	
8 8243 0	NTN	6307 2RSC3	35 / 80 x 21 mm	
8 8244 0	NTN	6308 LLUC3	40 / 90 x 23 mm	
8 8427 0	NTN	62201 LLUC3	12 / 32 x 14 mm	





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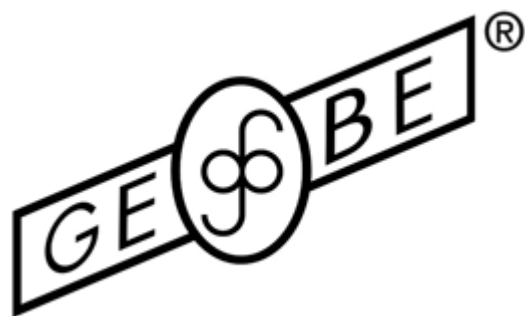
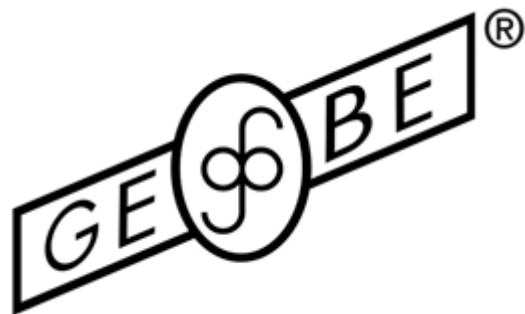
# 15

ABDECKKAPPEN






COVERS

CAPOTS ALTERNATEURS











# ABDECKKAPPEN COVERS

IKA-No.	Original	References	Dimensions	Unit-Nos.
	<b>1 3660 0</b>	Bosch VW	1 125 500 108, 128,603 021 903 193 028 903 193 E,-N	0 120 485 034,036,038,039,043,044 0 123 310 001-003,018-020,024,025032,034, 310 035,037-040,046,049 315 001,002,006 340 002,003,005 021 903 023 J,-K 021 903 025 A 023 903 023 028 903 025,-G,-PA,-Q 030 903 023 AA,-B,-C,- 037 903 023 E
	<b>1 3664 0</b>	Bosch	1 125 500 085,152,185,564	0 120 335 006,007,011,012 0 123 110 004,009 5705 E0,-E1,-E4,-F3,-F8,-F9 5705 4G 5962 2N 95 667 742 96 050 627,629 96 122 573,596 96 134 944,966 9612 259 680 31400-86CB-000
	<b>1 3667 0</b>	Bosch MB	1 125 500 119 1 125 500 192 000 154 28 04 000 154 52 04	0 120 465 003,004,013-017 0 123 500 001,002 505 017 510 002,012,016,022,040, 510 042,057,094,096 540 002-004 545 004 MB 008 154 72 02 - 74 02, 92 02 009 154 12 02, 13 02, 17 02, 19 02 009 154 36 02, 37 02, 44 02, 53 02 009 154 60 02 010 154 40 02 109 154 40 02 Saab 52 46 897, 85 49 552 Scania 4538419, 4734026, 4734072
	<b>1 3671 0</b>	Bosch Opel	1 125 500 154,510,572 90541993	0 123 100 001,002 0 123 110 005 0 123 120 001 9 123 100 002 9 123 110 005 9 123 120 001 DAF 1516640R Ford 93BB-10300-AB,-AC,-AE,-AG Opel 90289247 90389246-248 90413760, 9043930 90511445,90511446,90511724 1204108
	<b>1 3678 0</b>	Denso	021551-1480	100211-8000,-8010,-8020,-8030, -8060,-8070,-8090,-8100, -8110,-8120,-8130,-8150, -8190,-8240,-8250,-8260, -8280,-8300,-8350,-8380, -8392,-8410,-8420,-8431, -8450,-8480,-8490







# ABDECKKAPPEN COVERS

IKA-No.	Original	References	Dimensions	Unit-Nos.
	1 3635 0	Marelli Fiat	836 177 21 855 600 11 855 607 01	AA125R 63320023,63321057
	1 3650 0	Valeo Ducellier Motorola	590651 V294-0	2541395,2541396,2541402 2940303,2940304,2940305A, 2940308,2940360,2940365, 2940369,2940371 Replacement Original: see 1 3706 0
	1 3601 0	Valeo Paris Rhone	100845 590564 590580	A13N2M
	1 3609 0	Valeo	590566	A14N73,-75,-95,-104, A14N138,-140,-180,-205
	1 3610 0	Valeo Paris Rhone	100995 590563	A14N4,9,10,13,14,19,22,23,35-37,39,40, A14N42,50,51,53-56,59,63,65
	1 3620 0	Valeo Ducellier	023055	7522B,C, 7529A,C, 7532A-E 7534A-E,7556A




# ABDECKKAPPEN COVERS

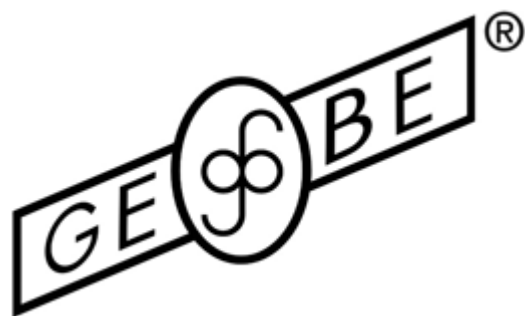
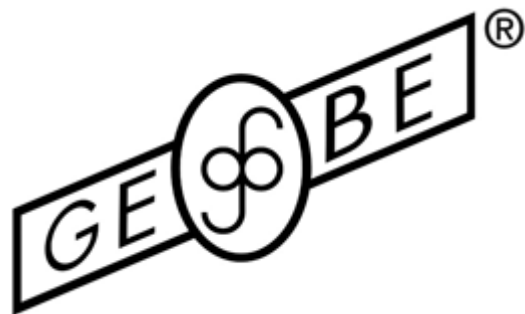
IKA-No.	Original	References	Dimensions	Unit-Nos.
	1 3627 0	Valeo Ducellier	691222	516006C-E, 516020A-D, 516023A-D, 516024,-B, 516025, 516026
	1 3652 0	Valeo	592946	A11VI10,-15,-16,-17,-18,-47,-48,-91 A13VI30,-48,101,-102,-203
	1 3655 0	Valeo	592944	A11VI26,-28,-30,-31,-59,-61 A13VI11,14,16,17,20,21,23,25,32,34,35,45, 47,55,57,64,65,97,104-107,131,153
	1 3657 0	Valeo	591015 593247	A14VI10,-11,-13,-14,-30,-31
	1 3658 0	Valeo	592940 593295	A13VI10,-17,-63,-67,-69,-77,126,137,138 -155,-173
	1 3687 0	Valeo	592941 593237	A11VI64 A13VI18,76

# ABDECKKAPPEN COVERS

IKA-No.	Original	References	Dimensions	Unit-Nos.
	<b>1 3688 0</b>	Valeo 591105 593291		A11VI67,79,81,85 A13VI157,163-167,184,185
				
	<b>1 3689 0</b>	Valeo 593315		A13VI179,207-213,216-218,224,227, A13VI254,255,264-267
				
	<b>1 3690 0</b>	Valeo 593317		A11VI87 A13VI188,235
				
	<b>1 3701 0</b>	Valeo 593417 593834 Original		SG12B015,-042,-047,-049 SG14B010,-011,-042
				
	<b>1 3702 0</b>	Valeo 593848 Original		
				
	<b>1 3703 0</b>	Valeo 593367 Original		A13VI241
				

# ABDECKKAPPEN COVERS

IKA-No.	Original	References	Dimensions	Unit-Nos.
	1 3704 0	Valeo  593504  Original		SG8B023,-026 SG9B048,-055,-057
	1 3705 0	Valeo  593416 593481  Original		SG8B011,-013,-015-018 SG9B013,-015,-018,-019,-023,-024,-049
	1 3706 0	Valeo  590651  Original  Replacement: 1 3650 0		2541395,-1396,-1402 2940303,-0304,-0363,0365, -0369,-0371





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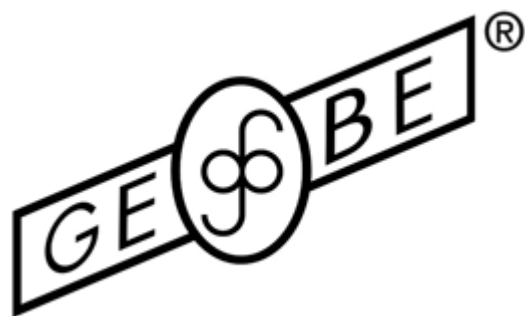
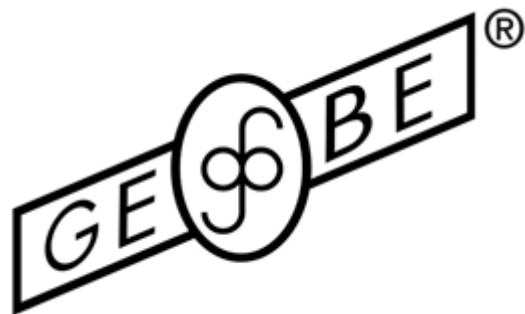
# 16

VERSCHIEDENE ALTERNATORTEILE

VARIOUS ALTERNATOR PARTS

DIVERSES PIECES DE ALTERNATEURS







# VERSCHIEDENE ALTERNATORTEILE VARIOUS ALTERNATOR PARTS

# BOSCH

IKA-No.	Original	References	Dimensions	Unit
<b>1 3679 0</b>	Bosch	1 120 591 076,088,103 Bearing Cap	40/43 x 16.6 mm Bearing 6303	0 120 335 008,010 0 120 465 003,004-009,011-018,020,021,023, 026-029,031 0 120 485 005-008,011,012,015-018,020, 022-026,028-030,032,034,036, 038,039,041,043,044,046-048,050
	FIAT IVECO MB Opel Volvo VW	9944824 9950331 42531170 000 154 06 57 90512039 9130106 028 903 511		0 123 100 001-003 0 123 105 001-003 0 123 110 005-008 0 123 114 005 0 123 115 009-014 0 123 210 001 0 123 212 001 0 123 213 005,007 0 123 214 002 0 123 310 001-008,014-020,022-029,031-035, 037-044,046-050,053-055 0 123 315 001-008,013,015-023 0 123 315 500,502,503 0 123 320 001-012,014,016-041,044-052,054, 055,057-063,065-067 0 123 325 002-008,010-015 0 123 335 001,003-006,008 0 123 340 001-003,005-007 0 123 345 004 0 123 500 001,002,004-009,011 0 123 505 001-005,007-018 0 123 510 001-009,012-017,020,022,026-034, 037,041-043,045-047,052-054,056, 061-065,069-071,088,089,091-094, 096,099,105,106,109 0 123 515 002-004,007014,016-018,020-025, 028-031 0 123 520 003,004,019-021,026,027,031 0 123 540 001-004 0 123 545 001-004 9 120 485 048 9 123 100 002 9 123 110 005 9 123 120 001 9 123 310 020,029,048 9 123 315 019 9 123 320 007,016,045 9 123 325 002,011 9 123 335 002 9 123 369 023,028,044 9 123 510 068 9 123 515 022 9 123 520 017 9 123 690 003 F 010 LD0 202,205,206
<b>1 3680 0</b>	Bosch	1 120 591 075 Bearing Cap	32-34/35 x 42.0 mm Bearing 6201	0 120 468 007,008013,014,023-027,030-034, 042-044,048-051,056,061-064,067, 071-078,091,092,095-100,102-105, 108,110,111,126,143,145 0 120 469 004-007,009,016,017,032,100-103, 107-120,646,655-662,671,672,688, 733,735,743,747,748,775,776,781, 799-802,822833,834,862-864, 868-871,874,876,877,899,901,902, 906,907,909-912,921-924,958,961, 962,966-971,973,974,985,988-990 0 120 484 001-003,011,012,015-022,024-027, 050,051 0 120 488 109-112,114,134,138,144-150, 156-182,185-187,189-193,200-206, 209-211,217,218,228,233,234,242, 243,249,255,267,280,281,283,285, 286,290,293,294,298,299 0 120 489 090,092,093,244,251,252,287,289, 292,325-330,345-347,384,385, 389-392,408,406,461,477,478 6 033 G00 4BY 6 033 G20 67B 6 033 G30 46B,81B,82B 6 033 G3B 022

IKA-No.	Original	References	Dimensions	Unit
				6 033 GB2 009 6 033 GB3 009,010,019022,023,027,046,047, 055,083 9 120 690 444,491,492,496,501 F 002 G10 808
<b>1 3681 0</b>	Bosch	1 120 591 053,082 1 120 591 095,096 Bearing Cap	32/35 x 15.0 mm Bearing 6201	0 120 400 704,705,758,759,806-811,814, 860,861,864-869,872,873,885, 898-903,906,947-954
	VW	034 903 223B 049 903 223		0 120 450 030,031 0 120 468 001-006,009-012,015-020,022,029, 035,036,045,046,052,057-060, 068-070,079-086,088,089,101,106, 109,112,119,120-123,125,127,128, 134,141,163 0 120 469 002,003,011,012,015,020,021,028, 029,034,035,046,047, 647,666,682-685,689,690,696-709, 710,713-720,722-732,734,736-742, 744-746,750,751,757-759,768,774, 777-780,784-790,793,808-817,823, 827-832,835-839,845-848,856-861, 865,873,875,878,879,881-884-889 892-894,896,897,903,904,908, 913-916,918,919,925-943,946-948, 953,972,975, 976,977,980,991-998 0 120 484 004-008,010,013,014 0 120 488 102,103,115,120-124,142,143,183, 184,196-199,219,220,226,227, 236-241,244-247,258-265,272,274, 279,287,300-303 0 120 489 001,047-052,054,074,075,084, 086-088,091,094-101,104,105,148, 172,175,176,213,214,245,266-269, 288,290,291,304,305,310-314, 360-383,395,396,403-405,418,419, 421-423,425-449,451,452,471-474, 482-484,488-492,495--497,499, 508-511,522,536,551,561,562,568, 588,590,593,594,601-605,616,617, 624,664,665-669,671,680,681,692, 701,706,801-804,806,811,833,839, 841-844,847-851,854-856,888,889, 894-896,938,939,940,956-959 0 120 888 888 9 120 080 129,131,141,161,163,164,167-169, 172,180,185,203,204,206,214,217, 500-502 9 120 144 222-224,227,281,282,289,290,301, 317,318,323,324,328 9 120 690 291,292,325,335,355,428,435,438, 449,454,460,461,469,485,488,499,500 9 120 699 044 F 000 LD0 104,500
<b>1 3684 0</b>	Bosch	1 120 591 038,060 Bearing Cap	32/35 x 18.8 mm Bearing 62201	0 120 450 010,015 0 120 468 028,037,053-055,065,066, 093,094,107,113-116,118, 124,129-132,135-140,142, 144,146,147,149,154,155, 159-162,999
	IVECO MB Volvo	93160279 000 154 01 57 1698183		0 120 469 001,008,013,014,018,019, 024,025,030,033,036,038-041, 043,044,104,105,518-523, 526,532,540,562,569,579, 580,585,592,629,630,643, 652,653,686,687,691-693, 749,752,753,761-763,772, 773,796-798,807,843,850-855, 891,895,900,905,920,951, 952,955,956,959,960,963, 982,983

VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No.	Original	References	Dimensions	Unit
				0 120 488 125,137,153,208,224,232,256, 268-271,273,277,278,282,289, 291,292
				0 120 489 022,023,027,060,071,156,192, 224,226,227,230,303,315-317, 320,387,388,643,658,684, 702-704,710,729-731,733,756, 779,827,885,886,944
				6 033 G00 1BY 6 033 G20 68B 6 033 G30 03B,14B,30B31B,37B-40B, 43B,45B,57B,58B60B 6 033 GB3 006,008,014,020,021,030,031, 033-036,040,045,048,053,054
				9 120 144 111-127,130-133 9 120 334 137,315,316,329 F 002 G10 329

1 3685 0

Bosch

1 120 591 102,116  
1 120 591 509,511  
Bearing Cap

42.9 x 47 mm  
Bearing 6303

0 120 335 006,007011,012  
0 123 110 004,009  
0 123 215 001  
0 123 310 010-013,051,052  
0 123 315 501,506  
0 123 320 042,043,068  
0 123 325 500  
0 123 510 010,011,048,060,073,095  
0 123 512 500,502  
0 123 515 501-503  
0 123 520 015,022,030,500  
0 123 525 500,501,504  
0 124 515 503  
9 123 690 001  
F 010 LD0 201



1 3686 0

Bosch

F 00M 146 900,901  
Bearing Cap

35/37.75 x 50  
Bearing 6003

0 124 0AC 5HB  
0 124 0AD 7EB  
0 124 215 001-009  
0 124 220 002  
0 124 225 010-016,019,021,026-029,  
031,031,035,036,038-042,  
045,047,051,052,055,056,  
058,062,063,068  
0 124 310 001  
0 124 315 001-008,010-016,018-022,  
024-029,031,032,035-039,042  
0 124 320 001,002  
0 124 325 001-004,006-022,024,028-037,  
039-043,045,047-053,056-064,  
066,067,071-079,085-089,093,  
096-098,100-102,105-111,  
115-120,122-124,126-132,134,  
136-140,145,146,148-151,155,  
158,161,162,167,171,177,178,  
180,183-186,190,203,205,207,  
215,217,219,220,224,228  
0 124 355 003,012  
0 124 415 001,005-007,009,011-016,023,  
025,026,030,032,037,038,040,  
041,043  
0 001 425 001,007,008,011,013,018,  
029-034,036-039,041,042,  
045-047,049,069-071,074,075,  
090,093,100-102,105  
0 124 510 001  
0 124 515 001,004,008,010-013,015,017,  
019-022,024-028,034,035,  
038-042,044,050,051,054,  
057-059,068,073,079,083,087,  
090,097,098,101,103,105,109,  
110,112,113,116,117,120-122,  
124,136,137,186,187  
0 124 525 001-010,014,019,020,022,  
026-029,034,035,038,041-045,  
047-051,053,056,057,059-061,  
063,064,066,067,069,070,072,  
074-076,078,080-084,087,096,  
097,101-103,105-108,110,111,



IKA-No.	Original	References	Dimensions	Unit
				119,125,126,129,130,132,133, 135-141,151,161,174,192, 206-208,216,508,522-524,529
				0 124 555 003,005,006,008,010,013,014, 017,024,030,034,054,056,063, 067,553
				0 124 615 002,006-009,016,017,021,024, 027,035,038,040,048
				0 124 625 015,029,030,050
				0 124 655 003,005-007,009,011,026,030, 065,080-082,091
				6 004 MA5 008
				6 004 ML0 000-002,004,005,012,017,024
				9 124 225 037
				9 124 690 001,002
				F 000 LD0 700
				F 002 G10 827,834
				F 004 225 000,100
				F 004 315 000,100
				F 004 692 004
<b>NEW</b>	<b>1 3692 0</b>	Bosch	F 00M 146 903,904,917	0 124 0AC 30B,39A,39B
		DAF	Bearing Cap	0 124 225 053,054,060,061
		Toyota	1738771	0 124 315 040,046
			27443-0L030	0 124 325 054,055,065,165,173,174, 179,211,225
				0 124 355 001,002,014,019,020
				0 124 515 099,100,194,199
				0 124 525 085,109,145,164,167,168, 182,186,194,196,241,242,514
				0 124 555 001,002,004,007,015,016,019, 021-026,029,032,040-042, 044-046,052,065,069,071,072, 079,080,083,087,089,091,095, 096,101,109,123,124,232, 569,570,573,574,588,589, 591-594
				0 124 615 030,051,061,062
				0 124 625 043,046,048,051,058,068,083, 084,089,107,108,111,137
				0 124 655 001,002,004,013,016,022,023, 033,036-039,042,047,049,051, 069,093,097,135,139,180, 189-192,211,285,298,311, 411,412,415,416,479,480, 506,509
				F 000 BL0 755-757,764,771,772
				F 000 BL0 79A,7AC,7B9,7C7,7C8, 7J7,7K3,7K4,7N2,7R6, 7V0,7V9

VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

DENSO

IKA-No.	Original	References	Dimensions	Unit
<b>NEW</b> 1 3695 0	Bosch	F 00M 146 906,907	40 x 43 x 50.8	0 124 555 035
		Bearing Cap	6203	0 124 615 039
	DAF	1687111	IKA 8 8119 0	0 124 625 044,059,061,062,066, 067,069,071,072,076, 078-081,091,098-100, 103,105,106,115,120, 123,127
	MAN	51 96501 0607		0 124 655 066,072,076,094,099, 106,120,121,130,137, 152,155,162,177,185, 186,193,195,198,207, 210,230,253,261,262, 265,266,283,284,297, 321,357-360,363,364

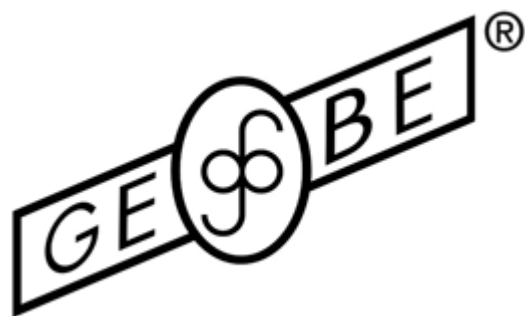
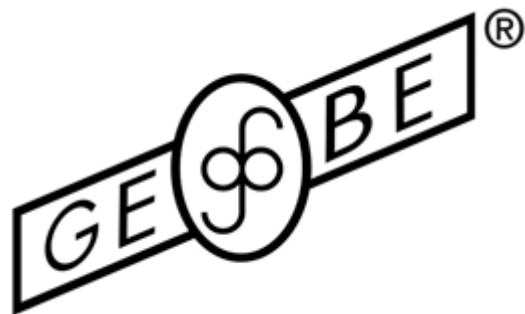
IKA-No.	Original	References	Dimensions	Unit
1 3691 0	Marelli	Bearing Cap	36.8/41.3 x 35.0 mm	A 115 IM



**VERSCHIEDENE ALTERNATORTEILE**  
**VARIOUS ALTERNATOR PARTS**

**VALEO**

IKA-No.	Original	References	Dimensions	Unit
<b>1 3616 0</b>	Ducellier Paris Rhone	Bearing Cap	32/32.8 x 16.2 mm Bearing 6201	A11, A13VI A14VI16
				
<b>1 3617 0</b>	Ducellier Paris Rhone	Bearing Cap	32/34.3 x 16.2 mm	A13VI 132
				
<b>1 3618 0</b>	Ducellier Paris Rhone Valeo	079058 Bearing Cap	30/33.0 x 13.3 mm Bearing 6200	2541187 2940304 A12M,A12R11 A13E19
				
<b>1 3619 0</b>	Ducellier Paris Rhone Valeo	Bearing Cap	35/37.3 x 19.5 mm Bearing 6202	2542851 A11VI54,-81,-87,-89,-92,-93,-96,-98 A13VI134,-152,-184,-188
				
<b>1 3682 0</b>	Valeo Paris Rhone	590629 105299 Bearing Cap	32/34.0 x 14.0 mm Bearing 6201	A13N11,-140T,-143M,-147M, A13N148M,-149M,-152M,-166M, A13N229T,-236M,-239,-240
				
<b>1 3683 0</b>	Valeo Paris Rhone	590627 104809 104810 Bearing Cap	30/31.7 x 13.4 mm Bearing 6200	71211302,71240102 A13N10,-13,-103,-112,-114,-118, A13N125,-126A,-127,-128,129
				



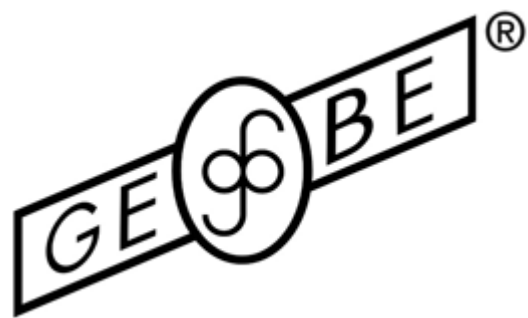
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# 17

ABMESSUNGEN

SURVEY

CLASSEMENT PAR ALESAGES



# SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

## SELF LUBRICATING BUSHINGS SURVEY ( mm )

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer	Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer		
04.00 / 07.00	x 07.00	<b>4 4507 0</b>	VALEO	12.00 / 15.00	x 08.00	<b>4 4418 0</b>	LUCAS
06.00 / 09.00	x 07.00	<b>4 4504 0</b>	VALEO	12.00 / 15.00	x 10.00	<b>4 4501 0</b>	VALEO
06.00 / 10.00-13.70	x 08.00	<b>4 4503 0</b>	VALEO	12.00 / 15.00	x 12.00	<b>4 4264 0</b>	ISKRA
07.00 / 10.00	x 06.10	<b>4 4506 0</b>	VALEO	12.00 / 15.00	x 12.00	<b>4 4264 0</b>	LUCAS
07.00 / 11.90	x 10.00	<b>4 4273 0</b>	FORD	12.00 / 15.00	x 15.00	<b>4 4265 0</b>	LADA
08.00 / 11.50-14.50	x 10.00	<b>4 4316 0</b>	FIAT / MARELLI	12.00 / 15.00	x 16.70	<b>4 4400 0</b>	LUCAS
08.00 / 12.00	x 09.60	<b>4 4312 0</b>	FIAT / MARELLI	12.00 / 15.05-18.00	x 16.00	<b>4 4350 0</b>	PARIS-RHONE
08.06 / 11.12	x 08.00	<b>4 4054 0</b>	BOSCH	12.00 / 16.00	x 09.50	<b>4 4465 0</b>	MITSUBISHI
08.06 / 11.12	x 08.00	<b>4 4054 0</b>	VALEO	12.00 / 16.00	x 12.00	<b>4 4311 0</b>	FIAT / MARELLI
08.06 / 11.12	x 10.00	<b>4 4052 0</b>	BOSCH	12.00 / 16.00	x 14.00	<b>4 4300 0</b>	FEMSA
08.10 / 11.50	x 11.60	<b>4 4452 0</b>	MITSUBISHI	12.00 / 16.00	x 14.00	<b>4 4300 0</b>	FIAT / MARELLI
08.10 / 12.45	x 10.00	<b>4 4272 0</b>	FORD	12.00 / 16.00	x 16.00	<b>4 4304 0</b>	FEMSA
10.00 / 13.00	x 12.00	<b>4 4257 0</b>	DUCELLIER	12.00 / 16.00	x 16.00	<b>4 4304 0</b>	FIAT / MARELLI
10.00 / 13.00	x 13.00	<b>4 4371 0</b>	PARIS-RHONE	12.00 / 16.00	x 16.00	<b>4 4304 0</b>	LADA
10.00 / 13.00	x 16.00	<b>4 4372 0</b>	PARIS-RHONE	12.00 / 16.00	x 16.00	<b>4 4304 0</b>	ISKRA
10.00 / 13.00-16.00	x 10.50	<b>4 4484 0</b>	MITSUBISHI	12.00 / 16.00	x 24.00	<b>4 4305 0</b>	FEMSA
10.00 / 14.00	x 09.50	<b>4 4470 0</b>	MITSUBISHI	12.00 / 16.00	x 24.00	<b>4 4305 0</b>	LADA
10.00 / 14.00	x 13.50	<b>4 4464 0</b>	MITSUBISHI	12.00 / 16.00	x 24.50	<b>4 4305 0</b>	FIAT / MARELLI
10.00 / 14.00	x 13.50	<b>4 4302 0</b>	FIAT / MARELLI	12.05 / 14.05	x 14.00	<b>4 4204 0</b>	DELCO
10.00 / 14.00	x 13.50	<b>4 4302 0</b>	ISKRA	12.05 / 15.05	x 12.00	<b>4 4264 0</b>	DUCELLIER
10.00 / 14.00	x 13.50	<b>4 4302 0</b>	PAL MAGNETON	12.05 / 15.05	x 12.00	<b>4 4264 0</b>	PARIS-RHONE
10.00 / 14.00	x 15.00	<b>4 4301 0</b>	FIAT / MARELLI	12.05 / 15.05	x 12.00	<b>4 4264 0</b>	ROMANIAN
10.00 / 14.00	x 15.00	<b>4 4248 0</b>	PAL MAGNETON	12.05 / 15.05	x 15.00	<b>4 4063 0</b>	BOSCH
10.00 / 14.00-16.00	x 13.00	<b>4 4280 0</b>	FEMSA	12.05 / 15.05	x 15.00	<b>4 4265 0</b>	DUCELLIER
10.00 / 16.10	x 10.00	<b>4 4093 0</b>	BOSCH	12.05 / 15.05	x 15.00	<b>4 4265 0</b>	PARIS-RHONE
10.06 / 14.10	x 10.00	<b>4 4056 0</b>	BOSCH	12.05 / 15.05	x 15.00	<b>4 4265 0</b>	ROMANIAN
10.06 / 14.10	x 10.00	<b>4 4056 0</b>	VALEO	12.05 / 15.05	x 20.00	<b>4 4256 0</b>	DUCELLIER
10.06 / 16.60	x 10.50	<b>4 4061 0</b>	BOSCH	12.05 / 15.05	x 20.00	<b>4 4256 0</b>	PARIS-RHONE
10.06 / 16.60	x 11.50	<b>4 4077 0</b>	BOSCH	12.05 / 15.55	x 05.50	<b>4 4485 0</b>	HITACHI
10.06 / 16.60	x 11.50	<b>4 4077 0</b>	FIAT / MARELLI	12.06 / 16.12	x 14.00	<b>4 4012 0</b>	BOSCH
10.06 / 16.60-19.00	x 14.80	<b>4 4005 0</b>	BOSCH	12.06 / 16.12	x 16.00	<b>4 4011 0</b>	BOSCH
10.07 / 14.10	x 13.00	<b>4 4113 0</b>	BOSCH	12.10 / 13.62	x 11.50	<b>4 4009 0</b>	BOSCH
10.10 / 15.50	x 10.40	<b>4 4450 0</b>	DENSO	12.10 / 13.62	x 13.50	<b>4 4053 0</b>	BOSCH
11.00 / 15.00	x 15.00	<b>4 4459 0</b>	HITACHI	12.10 / 13.62	x 18.80	<b>4 4066 0</b>	BOSCH
11.00 / 13.00	x 13.00	<b>4 4456 0</b>	MITSUBISHI	12.10 / 14.12	x 12.00	<b>4 4123 0</b>	BOSCH
11.00 / 13.50	x 09.00	<b>4 4072 0</b>	BOSCH	12.10 / 14.12	x 13.00	<b>4 4123 0</b>	BOSCH
11.00 / 14.00	x 13.00	<b>4 4458 0</b>	MITSUBISHI	12.10 / 14.12	x 14.00	<b>4 4136 0</b>	BOSCH
11.00 / 14.70	x 08.00	<b>4 4469 0</b>	DENSO	12.16 / 14.10	x 18.00	<b>4 4314 0</b>	FIAT / MARELLI
11.00 / 14.70	x 11.00	<b>4 4451 0</b>	DENSO	12.50 / 14.70	x 14.00	<b>4 4457 0</b>	DENSO
11.06 / 13.63	x 14.00	<b>4 4021 0</b>	BOSCH	12.50 / 15.50	x 10.50	<b>4 4462 0</b>	DENSO
11.10 / 12.62	x 10.50	<b>4 4122 0</b>	BOSCH	12.50 / 16.00	x 12.00	<b>4 4454 0</b>	HITACHI
11.10 / 12.62	x 11.50	<b>4 4032 0</b>	BOSCH	12.50 / 16.00	x 12.00	<b>4 4454 0</b>	PAL MAGNETON
11.20 / 15.90-26.20	x 16.30	<b>4 4402 0</b>	LUCAS	12.50 / 16.00	x 15.00	<b>4 4455 0</b>	HITACHI
11.50 / 15.00	x 13.00/14.00	<b>4 4466 0</b>	HITACHI	12.50 / 16.50	x 10.50	<b>4 4461 0</b>	DENSO
11.60 / 13.50	x 18.00	<b>4 4310 0</b>	FIAT / MARELLI	12.50 / 16.50	x 14.00	<b>4 4475 0</b>	DENSO
11.60 / 14.08	x 13.00	<b>4 4426 0</b>	ISKRA	12.56 / 16.60	x 08.00	<b>4 4071 0</b>	BOSCH
12.00 / 13.20	x 12.00	<b>4 4203 0</b>	DELCO	12.56 / 16.60	x 10.00	<b>4 4062 0</b>	BOSCH
12.00 / 13.20	x 18.20	<b>4 4206 0</b>	DELCO	12.56 / 16.60	x 11.50	<b>4 4004 0</b>	BOSCH
12.00 / 14.00	x 16.00	<b>4 4453 0</b>	MITSUBISHI	12.56 / 16.60	x 14.00	<b>4 4002 0</b>	BOSCH
12.00 / 14.00	x 20.00	<b>4 4380 0</b>	PARIS-RHONE	12.56 / 16.60	x 14.00	<b>4 4247 0</b>	PAL MAGNETON
12.00 / 14.00	x 20.00	<b>4 4380 0</b>	MITSUBISHI	12.56 / 16.60	x 15.80	<b>4 4000 0</b>	BOSCH
				12.56 / 16.60	x 18.00	<b>4 4103 0</b>	BOSCH
				12.57 / 18.54	x 19.80	<b>4 4306 0</b>	FIAT / MARELLI

# SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

## SELF LUBRICATING BUSHINGS SURVEY ( mm )

Abmessungen Dimensions in mm		IKA-No. bulk	Hersteller Producer	Abmessungen Dimensions in mm		IKA-No. bulk	Hersteller Producer		
12.70 / 14.35	x	17.40	<b>4 4417 0</b>	LUCAS	18.00 / 22.00	x	05.00	<b>4 4502 0</b>	VALEO
12.70 / 15.80	x	12.70	<b>4 4404 0</b>	LUCAS	18.03 / 22.12	x	06.50	<b>4 4057 0</b>	BOSCH
12.70 / 15.80	x	19.60	<b>4 4406 0</b>	LUCAS	18.03 / 22.12	x	08.00	<b>4 4055 0</b>	BOSCH
12.70 / 15.90	x	16.50	<b>4 4412 0</b>	LUCAS	18.10 / 22.04	x	06.80	<b>4 4443 0</b>	HITACHI
12.80 / 14.35	x	19.80	<b>4 4200 0</b>	DELCO	18.10 / 23.00	x	08.00	<b>4 4313 0</b>	FIAT / MARELLI
12.80 / 15.90	x	14.00	<b>4 4414 0</b>	LUCAS	18.17 / 23.05	x	09.20	<b>4 4318 0</b>	FIAT / MARELLI
12.80 / 19.10	x	14.00	<b>4 4411 0</b>	LUCAS	18.80 / 20.00	x	11.50	<b>4 4481 0</b>	MITSUBISHI
12.90 / 14.45	x	18.00	<b>4 4479 0</b>	MITSUBISHI	19.00 / 20.60	x	17.80	<b>4 4403 0</b>	LUCAS
13.00 / 15.00	x	12.00	<b>4 4263 0</b>	DUCELLIER	19.00 / 20.60	x	20.60	<b>4 4407 0</b>	LUCAS
13.00 / 15.00	x	14.50	<b>4 4253 0</b>	DUCELLIER	19.06 / 22.53	x	13.90	<b>4 4241 0</b>	PAL MAGNETON
14.00 / 17.00	x	19.60	<b>4 4401 0</b>	LUCAS	19.09 / 23.10	x	10.00	<b>4 4126 0</b>	BOSCH
14.00 / 17.60	x	15.00	<b>4 4109 0</b>	BOSCH	19.09 / 23.10	x	13.00	<b>4 4141 0</b>	BOSCH
14.00 / 18.00	x	15.00	<b>4 4351 0</b>	FEMSA	19.09 / 25.10	x	10.00	<b>4 4102 0</b>	BOSCH
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	DUCELLIER	19.09 / 25.10	x	13.00	<b>4 4111 0</b>	BOSCH
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	ROMANIAN	19.20 / 31.80	x	10.20	<b>4 4205 0</b>	DELCO
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	PARIS-RHONE	20.00 / 24.00	x	05.00	<b>4 4505 0</b>	VALEO
14.00 / 18.00	x	18.00	<b>4 4353 0</b>	DUCELLIER	20.00 / 24.00	x	12.00	<b>4 4352 0</b>	PARIS-RHONE
14.00 / 18.00	x	18.00	<b>4 4472 0</b>	HITACHI	20.00 / 24.00	x	16.00	<b>4 4363 0</b>	PARIS-RHONE
14.00 / 18.00	x	18.00	<b>4 4353 0</b>	PARIS-RHONE	20.00 / 28.00	x	29.00	<b>4 4365 0</b>	PARIS-RHONE
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	DUCELLIER	20.00 / 28.00-32.00	x	25.00	<b>4 4366 0</b>	PARIS-RHONE
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	FIAT / MARELLI	20.27 / 24.00	x	13.09	<b>4 4308 0</b>	FIAT / MARELLI
14.00 / 18.00	x	20.00	<b>4 4471 0</b>	HITACHI	20.40 / 26.50	x	12.50	<b>4 4463 0</b>	HITACHI
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	PARIS-RHONE	21.03 / 24.67	x	25.90	<b>4 4245 0</b>	PAL MAGNETON
14.00 / 20.00	x	10.00	<b>4 4080 0</b>	BOSCH	21.30 / 24.40	x	25.00	<b>4 4202 0</b>	DELCO
14.01 / 17.05	x	15.00	<b>4 4255 0</b>	DUCELLIER	22.04 / 26.03	x	27.40	<b>4 4242 0</b>	PAL MAGNETON
14.06 / 18.10	x	14.00	<b>4 4142 0</b>	BOSCH	22.04 / 26.03	x	27.40	<b>4 4246 0</b>	PAL MAGNETON
14.06 / 20.03	x	17.00	<b>4 4137 0</b>	BOSCH	22.05 / 26.05	x	05.20	<b>4 4444 0</b>	HITACHI
14.10 / 20.00	x	11.80	<b>4 4307 0</b>	FIAT / MARELLI	22.05 / 26.28	x	05.20	<b>4 4477 0</b>	HITACHI
14.20 / 17.20	x	13.00	<b>4 4460 0</b>	MITSUBISHI	22.08 / 26.10	x	23.00	<b>4 4105 0</b>	BOSCH
14.30 / 16.00	x	39.80	<b>4 4001 0</b>	BOSCH	22.14 / 28.10	x	11.30	<b>4 4116 0</b>	BOSCH
14.36 / 16.04	x	10.00	<b>4 4023 0</b>	BOSCH	22.70 / 28.50	x	05.90	<b>4 4482 0</b>	DENSO
14.36 / 16.04	x	11.70	<b>4 4131 0</b>	BOSCH	23.00 / 27.00	x	06.00	<b>4 4478 0</b>	MITSUBA
14.36 / 16.04	x	13.70	<b>4 4124 0</b>	BOSCH	23.04 / 27.03	x	19.80	<b>4 4244 0</b>	PAL MAGNETON
14.36 / 16.04	x	20.50	<b>4 4144 0</b>	BOSCH	25.00 / 30.00	x	20.00	<b>4 4370 0</b>	PARIS-RHONE
14.36 / 16.04	x	23.50	<b>4 4106 0</b>	BOSCH	25.00 / 32.00	x	17.90	<b>4 4081 0</b>	BOSCH
14.40 / 17.50	x	22.20	<b>4 4415 0</b>	LUCAS	25.00 / 32.00-39.00	x	20.00	<b>4 4362 0</b>	PARIS-RHONE
14.54 / 18.03	x	14.80	<b>4 4240 0</b>	PAL MAGNETON	26.12 / 30.13-33.00	x	11.50	<b>4 4013 0</b>	BOSCH
14.54 / 18.03	x	16.80	<b>4 4243 0</b>	PAL MAGNETON	26.12 / 32.13-33.00	x	11.50	<b>4 4027 0</b>	BOSCH
15.07 / 18.10	x	11.80	<b>4 4315 0</b>	FIAT / MARELLI	27.00 / 35.00	x	14.00	<b>4 4364 0</b>	PARIS-RHONE
15.80 / 19.00	x	19.00	<b>4 4405 0</b>	LUCAS	27.10 / 31.24-31.40	x	05.80	<b>4 4476 0</b>	HITACHI
15.95 / 19.15	x	14.00	<b>4 4259 0</b>	DUCELLIER	27.10 / 35.00-40.00	x	29.50	<b>4 4367 0</b>	PARIS-RHONE
15.95 / 19.15	x	14.00	<b>4 4259 0</b>	PARIS-RHONE	28.50 / 32.30	x	11.00	<b>4 4082 0</b>	BOSCH
16.00 / 19.20	x	22.00	<b>4 4201 0</b>	DELCO	28.50 / 32.30	x	11.00	<b>4 4083 0</b>	BOSCH
16.00 / 20.00	x	08.00	<b>4 4368 0</b>	PARIS-RHONE	28.60 / 31.80-38.10	x	13.00	<b>4 4410 0</b>	LUCAS
16.00 / 20.00	x	10.00	<b>4 4355 0</b>	PARIS-RHONE	34.50 / 44.00	x	42.50	<b>4 4199 0</b>	BOSCH
16.00 / 20.00	x	25.00	<b>4 4369 0</b>	PARIS-RHONE	40.00 / 48.00	x	10.50	<b>4 4115 0</b>	BOSCH
16.20 / 19.15	x	15.00	<b>4 4260 0</b>	DUCELLIER					
16.67 / 19.60	x	19.00	<b>4 4104 0</b>	BOSCH					
17.00 / 21.00	x	24.00	<b>4 4361 0</b>	PARIS-RHONE					
17.10 / 21.00	x	22.20	<b>4 4409 0</b>	LUCAS					
17.50 / 20.10	x	07.50	<b>4 4467 0</b>	HITACHI					
17.61 / 21.62	x	09.50	<b>4 4022 0</b>						

# SPEZIAL NADELLAGER NACH ABMESSUNGEN

## SPECIAL NEEDLE BEARINGS SURVEY ( mm )

Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer	Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer
04.00 / 08.00	x 08.00	<b>8 2269 0</b> VALEO	26.10 / 33.00	x 13.70	<b>8 8677 0</b> VALEO
05.00 / 08.52	x 06.86	<b>8 4209 0</b> BOSCH	28.00 / 35.20	x 14.62	<b>8 4090 0</b> BOSCH
05.00 / 09.00	x 09.00	<b>8 2260 0</b> BOSCH	31.00 / 37.00	x 16.00	<b>8 4094 0</b> BOSCH
05.00 / 09.00	x 09.00	<b>8 2260 0</b> VALEO	33.00 / 48.00	x 15.00	<b>8 8693 0</b> BOSCH
06.00 / 10.00	x 08.00	<b>8 2256 0</b> BOSCH			
06.00 / 10.00	x 08.00	<b>8 2256 0</b> FORD			
06.00 / 10.00	x 08.00	<b>8 2256 0</b> VALEO			
06.00 / 10.00	x 09.00	<b>8 2258 0</b> BOSCH			
06.00 / 10.00	x 09.00	<b>8 2258 0</b> VALEO			
08.00 / 12.00	x 08.00	<b>8 8674 0</b> DELCO			
08.00 / 12.00	x 08.00	<b>8 8673 0</b> DELCO			
08.00 / 12.00	x 08.00	<b>8 8673 0</b> MITSUBA			
09.00 / 13.00	x 10.00	<b>8 8675 0</b> BOSCH			
10.00 / 14.00	x 10.00	<b>8 4096 0</b> BOSCH			
10.00 / 14.00	x 10.00	<b>8 4096 0</b> FIAT/MARELLI			
10.00 / 14.00	x 10.00	<b>8 4096 0</b> VALEO			
10.00 / 14.00	x 12.00	<b>8 8668 0</b> VALEO			
10.00 / 14.00	x 14.00	<b>8 4097 0</b> BOSCH			
10.00 / 15.00	x 15.00	<b>8 8314 0</b> MITSUBISHI			
10.00 / 15.00	x 15.40	<b>8 4210 0</b> MITSUBISHI			
10.00 / 17.00	x 12.00	<b>8 4091 0</b> BOSCH			
11.50 / 17.50	x 16.50	<b>8 8684 0</b> DELCO			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> BOSCH			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> Delco			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> FIAT/MARELLI			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> FORD			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> LUCAS			
12.00 / 16.00	x 10.00	<b>8 4079 0</b> VALEO			
12.00 / 16.00	x 14.00	<b>8 4095 0</b> BOSCH			
12.00 / 17.00	x 12.00	<b>8 8305 0</b> MITSUBISHI			
12.00 / 18.00	x 12.00	<b>8 8981 0</b> FORD			
12.00 / 18.00	x 14.00	<b>8 4098 0</b> FIAT/MARELLI			
12.00 / 18.00	x 16.00	<b>8 4099 0</b> BOSCH			
12.00 / 18.00	x 16.00	<b>8 4099 0</b> VALEO			
12.50 / 17.00	x 17.00	<b>8 8315 0</b> DENSO			
14.00 / 19.00	x 12.00	<b>8 8161 0</b> MITSUBISHI			
14.00 / 20.00	x 14.00	<b>8 8982 0</b> MITSUBISHI			
14.29 / 19.05	x 12.70	<b>8 4208 0</b> FORD			
15.00 / 21.00	x 12.00	<b>8 8829 0</b> HITACHI			
15.87 / 23.81	x 21.90	<b>8 4092 0</b> BOSCH			
16.00 / 20.70	x 19.00	<b>8 8664 0</b> BOSCH			
16.00 / 23.85	x 18.95	<b>8 8663 0</b> BOSCH			
17.00 / 23.80	x 17.40	<b>8 8200 0</b> DELCO closed			
17.00 / 23.80	x 17.40	<b>8 8200 0</b> FORD closed			
17.00 / 23.80	x 17.40	<b>8 8200 0</b> LUCAS closed			
17.00 / 23.80	x 17.40	<b>8 8277 0</b> LUCAS open			
17.00 / 23.80	x 31.80	<b>8 4207 0</b> DELCO closed			
17.46 / 22.23	x 09.50	<b>8 8681 0</b> FORD			
17.46 / 22.23	x 09.50	<b>8 8681 0</b> MITSUBISHI			
18.00 / 24.00	x 12.00	<b>8 8118 0</b> BOSCH			
18.00 / 24.00	x 12.00	<b>8 8118 0</b> VALEO			
18.00 / 24.00	x 16.00	<b>8 8983 0</b> BOSCH			
19.05 / 25.40	x 15.88	<b>8 8275 0</b> BOSCH			
20.00 / 26.00	x 12.00	<b>8 8986 0</b> HITACHI			
20.50 / 27.00	x 09.50	<b>8 8160 0</b> MITSUBISHI			
22.00 / 28.00	x 12.00	<b>8 8671 0</b> HITACHI			
22.00 / 28.00	x 16.00	<b>8 8665 0</b> BOSCH			

# JAPANISCHE SPEZIALLAGER NACH ABMESSUNGEN

## JAPANESE SPECIAL BEARINGS ( mm )

Abmessungen Dimensions in mm	IKA-No. bulk	Herstellernummern Original References	Hersteller Producer
8 / 22 x 7	<b>8 8263 0</b>	949100-1360	DENSO
8 / 22 x 7	<b>8 8263 0</b>	2114-15502	HITACHI
8 / 22 x 11	<b>8 8691 0</b>	S930P17170	608 2RS 23319-M4900 (Nissan)
8 / 23 x 11	<b>8 8690 0</b>	S930P17970	B 8-74 D with snapping
8 / 23 x 14	<b>8 8689 1</b>	S930P18570	B 8-79 D with snapping
8 / 28 x 9	<b>8 8670 0</b>	949100-4840	B 8-85 D with snapping
10 / 23 x 11	<b>8 8685 0</b>		B 10-46 D 6900 BPL
10 / 27 x 11	<b>8 8687 0</b>		B 10-50 D 23120-58S01,-6000G,6000HC (Nissan)
10 / 27 x 14	<b>8 8139 0</b>	S930P64570	SC0081LHIA with 2 teflon rings
12 / 32 x 10	<b>8 8131 0</b>	S930P61201	6201 DW with snapping S210-24-523 (Mazda)
12 / 32 x 13	<b>8 8220 0</b>		6201 V B 12-57 with snapping
12 / 35 x 18	<b>8 8140 0</b>	949100-2140	
15 / 28 x 7	<b>8 8255 0</b>		6902 2RS1 Honda Gear Reduction Starters
15 / 32 x 9	<b>8 8144 0</b>	949100-4130	
15 / 32 x 11	<b>8 8546 0</b>	949100-3170	90099-10154 (Toyota)
15 / 35 x 11	<b>8 8666 0</b>		6202 LLBC3
15 / 35 x 11	<b>8 8138 0</b>	with snapping	6202 NC 23129-16A00 (Nissan)
15 / 35 x 13	<b>8 8545 0</b>	949100-2790,-3980	
15 / 35 x 13	<b>8 8135 0</b>	S930P18301,18370,64301,64370	6202 NCD with snapping B 15-69 D,T
15 / 36 x 18	<b>8 8265 0</b>	949100-3270	DENSO
15 / 38 x 19	<b>8 8541 0</b>	949100-3480	DENSO
15 / 42 x 13	<b>8 8169 0</b>		348
15 / 43 x 13	<b>8 8538 0</b>	949100-3190	6302 NC with snapping
15 / 43 x 24	<b>8 8434 0</b>	949100-3440	319 90099-10152 (Toyota)
15 / 46 x 14	<b>8 8540 0</b>	949100-3360,-3450,-4620	336
15 / 47 x 14	<b>8 8536 0</b>	S930P63070	6303 LH B 15-86 D B 15-86 W3,AT1
15 / 47 x 18	<b>8 8686 0</b>	S930P18470	B 15-84 DW B 15-83 D
15 / 52 x 16	<b>8 8141 0</b>	949100-3820,-3821	6304B15W16 2RS
17 / 30 x 7	<b>8 8260 0</b>	2114-25502	6903 2RS1 23338-M4900 (Nissan)
17 / 47 x 18	<b>8 8682 0</b>	S930P64470	B17-107 D
17 / 47 x 24	<b>8 8253 0</b>	S930P64870	MD618338 2 B17-4 DG
17 / 52 x 15	<b>8 8547 0</b>	02131-0940	
17 / 52 x 16	<b>8 8539 0</b>	949100-3330,-4370	333
17 / 52 x 17	<b>8 8212 0</b>		B 17-99
17 / 52 x 18	<b>8 8312 0</b>	S930P80570	B17-116 DG
18.73 / 37 x 9	<b>8 8680 0</b>		6904 DW (incl. bushing)
18.73 / 42 x 12	<b>8 8306 0</b>		6004 DW (incl. bushing) M410X14171
20 / 37 x 9	<b>8 8261 0</b>	2114-35502	6904 2RS1 23358-M4900 (Nissan)
20 / 42 x 12	<b>8 8214 0</b>	2114-45502	6004 2RS1 23363-M4900 (Nissan)
20 / 52 x 15	<b>8 8134 0</b>	949100-2700	6304 2RSC3
25 / 42 x 9	<b>8 8262 0</b>	2130-3302	6905 2RS 23441-J5500 (Nissan)
30 / 47 x 9	<b>8 8431 0</b>		6906 2RS1 M1T60081,-60181,-60185,-60281,60285,-60581,-61181



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# 18

TECHNISCHE INFORMATIONEN

TECHNICAL INFORMATION

INFORMATIONS TECHNIQUES

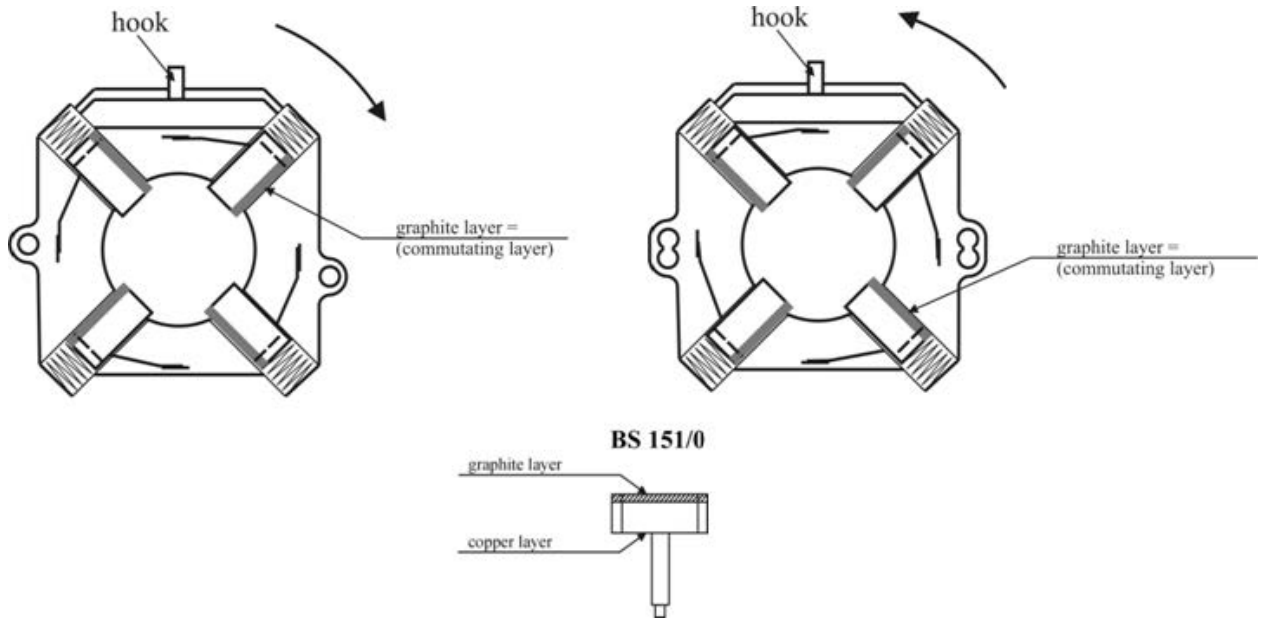


# Assembly Instructions for Bosch Gear-Starter Brushes

Starter-Unit EV 2,2 KW 12 Volt 0 001 218 ...

7 7130 1 clockwise rotation EV(R)

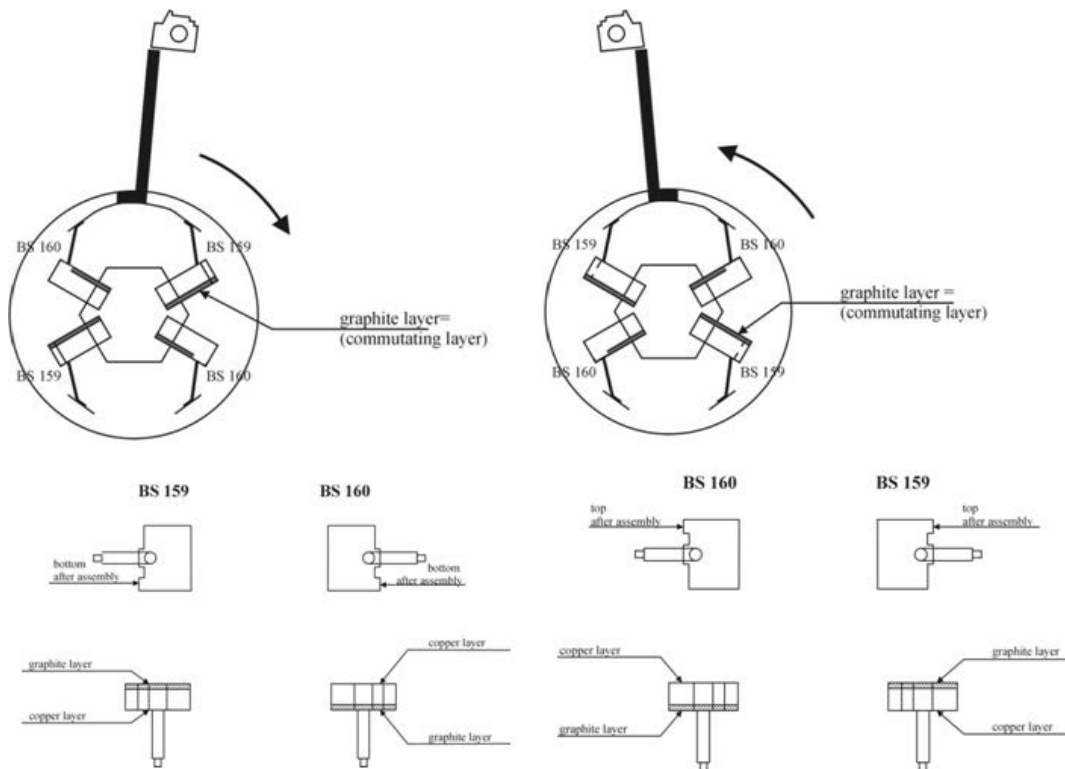
7 7133 1 anticlock rotation EV(L)



Starter-Unit DW 1,1 KW 12 Volt 0 001 108 ...

7 7124 1 clockwise rotation DW(R)

7 7128 1 anticlock rotation DW(L)



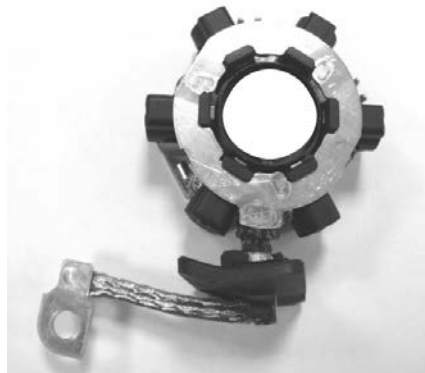
# Assembly Instructions for Brush holder with 6 brushes

Brush holder 7 7538 1 with 3 x BS 234 and 3 x BS 235

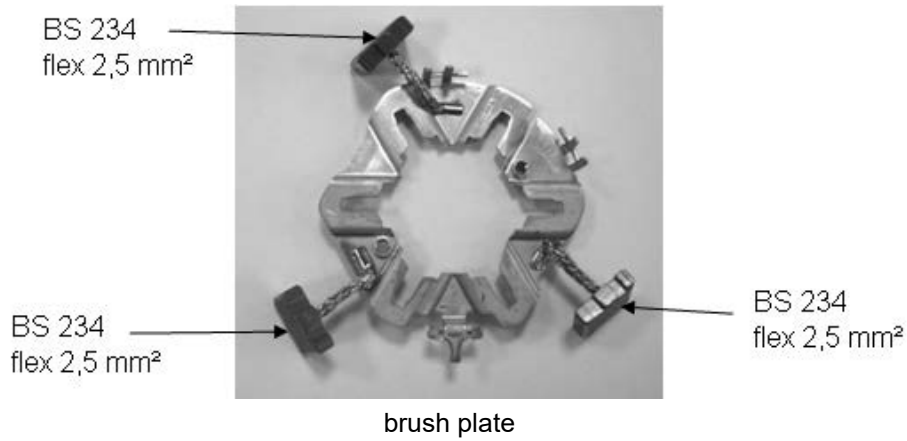
SF78-M 12V (L) VW Start/Stop Overload Protection Starters



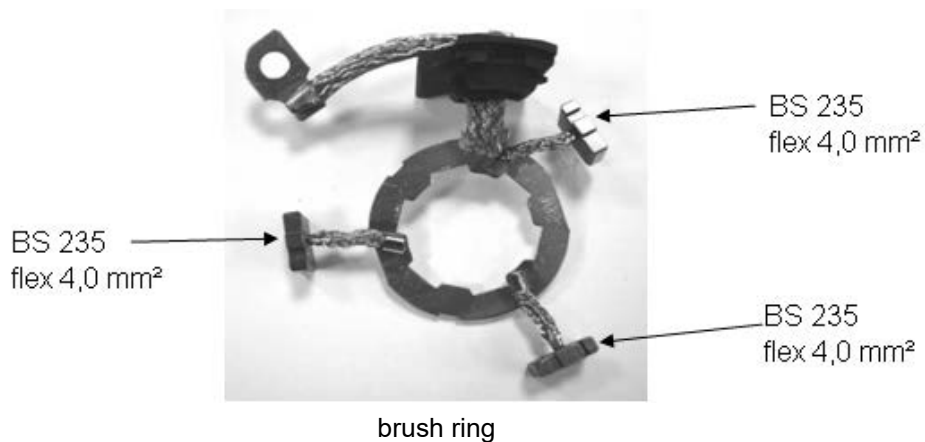
bottom



top



brush plate



brush ring

## Attention!

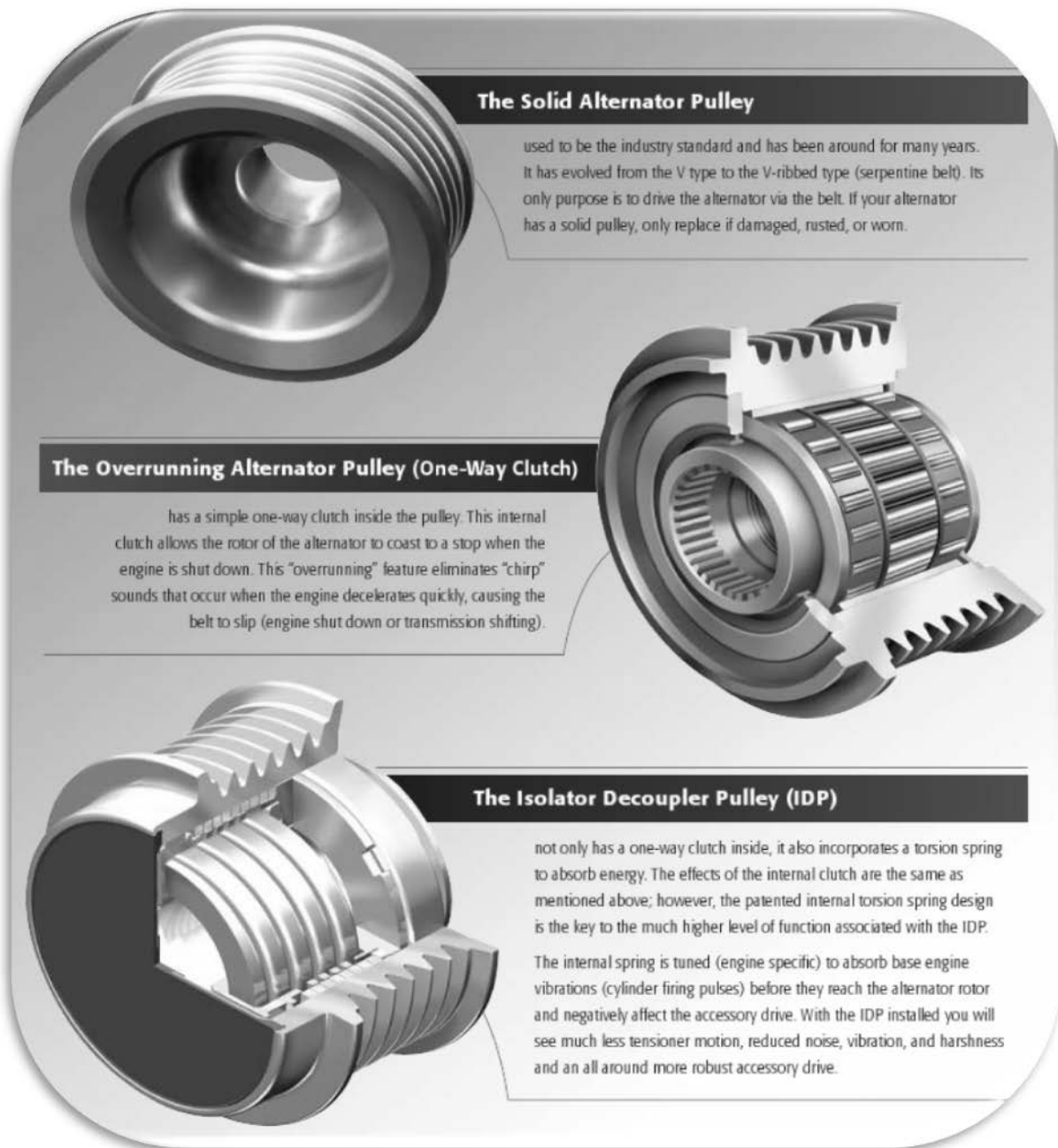
( L ) anti clock rotation: all brushes with assembly mark left in direction to brush ring

( R ) clockwise rotation: all brushes with assembly mark right in direction to brush plate

## Alternator Pulley Technologies

OAP's and IDP's perform like a 'suspension system' for the accessory belt drive, by synchronizing the belt drive system which improves its performance and extend the life of many components.

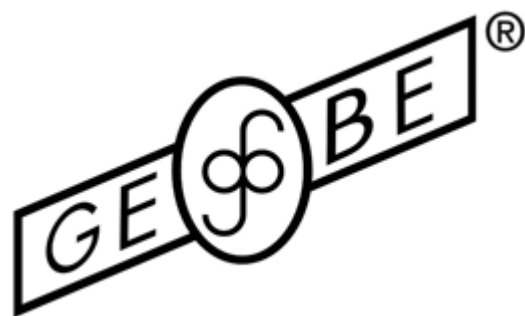
These new generations of Pulleys achieve their performance by using two different technologies.



### Attention!

Therefore all other components and parts are designed and provided for a use with original OAP's and IDP's only. By using replacement products instead the risk of an accelerated wastage raises extremely. Quality Claims regarding the accessory belt drive system will be rejected by the OEM's if not the original IDP or OAP is used on the alternator.





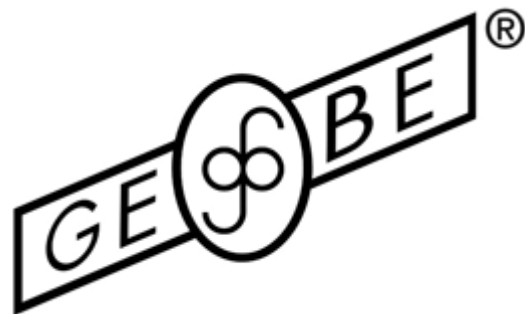
# 19

## VERGLEICHSLISTE

## CROSS REFERENCE LIST

## LISTE DE CORRESPONDANCE ENTRE LES REFERENCES

<b>BOSCH</b>	413-430	<b>LUCAS</b>	461-462
<b>CARGO</b>	430-440	<b>LUK</b>	462-464
<b>DENSO</b>	440-442	<b>MARELLI / FIAT</b>	464-465
<b>EURO REF.</b>	442-445	<b>MELCO</b>	465-467
<b>FCC</b>	445-446	<b>MONARK</b>	467-468
<b>FORD-VISTEON</b>	446	<b>PAL / MAGNETON</b>	468
<b>FUJI</b>	446-451	<b>REMY</b>	468-469
<b>GHIBAUDI</b>	451-452	<b>RUVILLE</b>	469-470
<b>HITACHI</b>	452-454	<b>SKF / NTN / FAG</b>	470-471
<b>ICRA</b>	454	<b>VALEO</b>	471-476
<b>INA</b>	454-459	<b>IKA vs. EURO REF.</b>	477-479
<b>ISKRA</b>	459		
<b>LCL</b>	459-460		
<b>LITENS</b>	460-461		





# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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0 122 1AA 7V0	3 3531 1	308	1 000 301 074	4 4055 0	194	1 004 336 102	7 7122 1	74
0 122 1AA 8F0	3 3547 1	310	1 000 301 076	4 4054 0	193	1 004 336 107	7 7121 1	74
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0 331 450 001	4 6035 1	240	1 000 301 083	4 4056 0	194	1 004 336 136	7 7814 1	109
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0 399 D53 002	4 5105 1	147	1 000 301 106	4 4009 0	193	1 004 336 146	7 7124 1	74
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# VERGLEICHSLISTE

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# VERGLEICHSLISTE

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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1 004 336 768	7 7285 1	88	1 004 336 804	7 7298 1	91	1 004 336 832	7 7811 1	108
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1 004 336 770	7 7515 1	95	1 004 336 806	7 7124 1	74	1 004 336 833	7 7804 1	107
1 004 336 771	7 7223 1	80	1 004 336 807	7 7835 1	111	1 004 336 833	7 7283 1	88
1 004 336 772	7 7128 1	75	1 004 336 807	7 7251 1	85	1 004 336 834	7 7125 1	75
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1 004 336 776	7 7806 1	108	1 004 336 810	7 7260 1	87	1 004 336 837	7 7124 1	74
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1 004 336 797	7 7511 1	95	1 004 336 826	7 7835 1	111	1 004 336 853	7 7802 1	106
1 004 336 798	7 7504 1	93	1 004 336 827	7 7805 1	107	1 004 336 856	7 7123 1	74
1 004 336 799	7 7233 1	82	1 004 336 827	7 7131 1	76	1 004 336 859	7 7258 1	87
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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1 004 336 864	7 7253 1	86	1 004 336 907	7 7256 1	86	1 004 336 937	7 7806 1	108
1 004 336 864	7 7832 1	110	1 004 336 907	7 7812 1	109	1 004 336 937	7 7259 1	87
1 004 336 865	7 7125 1	75	1 004 336 908	7 7832 1	110	1 004 336 938	7 7805 1	107
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1 004 336 867	7 7247 1	84	1 004 336 909	7 7129 1	76	1 004 336 939	7 7125 1	75
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
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1 107 014 119	0 1034 1	255	1 120 905 003	8 8551 0	366	1 120 905 061	8 8158 0	379
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 917 000 359	0 1617 1	37	1 917 012 203	0 1415 1	264	2 000 301 041	4 4141 0	195
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
2 004 336 092	7 7245 1	84	2 004 336 240	7 7839 1	112	2 007 010 121	4 4689 1	226
2 004 336 093	7 7501 1	93	2 004 336 241	7 7836 1	111	2 007 010 160	4 5105 1	147
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
2 007 014 054	0 1140 1	5	2 120 905 006	8 8553 0	367	6 033 AD0 233	4 2389 0	171
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
F 00M 061 016	3 3525 1	307	F 00M 147 875	3 5380 1	328	F 00M 349 903	3 5430 1	335
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

<b>BOSCH</b>	<b>IKA</b>	<b>PAGE</b>	<b>CARGO</b>	<b>IKA</b>	<b>PAGE</b>	<b>CARGO</b>	<b>IKA</b>	<b>PAGE</b>
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

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JSX51-52-634	0 1486 1	28	PSX1332	0 1770 1	56	USX64-652	0 1355 1	61
JSX52	0 1451 1	24	PSX136-1374	0 1771 1	56	USX73-852	0 1361 1	62
JSX61-62-634	0 1487 1	28	PSX138-1392	0 1775 1	56	USX76-77-78	0 1363 1	62
JSX70-713	0 1490 1	29	PSX140-1414	0 1776 1	56	USX91-922	0 1367 1	62
JSX72-734	0 1491 1	29	PSX142-1434	0 1779 1	57			
JSX74-75-76-774	0 1492 1	29	PSX142-1444	0 1752 1	57	<b>DENSO</b>	<b>IKA</b>	<b>PAGE</b>
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

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104210-3521	3 5396 1	332	949100-3980	8 8545 0	370	BSX 137-143	0 1149 1	6
104210-3522	3 5396 1	332	949100-4110	8 8214 0	379	BSX 138-142	0 1150 1	6
104210-4880	3 5378 1	348	949100-4120	8 8263 7	378	BSX 139	0 1151 1	6
104210-9011	3 5394 1	331	949100-4130	8 8144 0	379	BSX 140	0 1152 1	6
121041-0580	3 3596 1	346	949100-4230	8 8214 0	379	BSX 146	0 1154 1	6
121041-1140	3 5357 1	326	949100-4370	8 8539 0	369	BSX 147	0 1155 1	7
121041-1241	3 3595 1	346	949100-4440	8 8545 0	370	BSX 148	0 1156 1	7
121041-1440	3 3573 1	314	949100-4620	8 8540 0	369	BSX 149	0 1157 1	7
121041-1450	3 3594 1	346	949100-4840	8 8670 0	370	BSX 151	0 1158 1	7
121041-1990	3 5485 1	342	949100-5010	8 8539 0	369	BSX 151/0	0 1159 1	7
128099-3170	4 3532 0	246	949100-5230	8 8263 7	378	BSX 152	0 1162 1	7
128099-5240	4 3527 0	245	949100-5280	8 8214 0	379	BSX 155	0 1164 1	8
128099-5241	4 3527 0	245	949100-5360	8 8545 0	370	BSX 157-158	0 1165 1	8
128099-6312	7 7606 1	114	949100-5750	8 8141 0	369	BSX 157-158 K	0 1167 1	8
53660-0402	4 3480 0	244	949100-5820	8 8263 7	378	BSX 159-160	0 1166 1	8
71011-0750	3 3564 1	312	949100-6070	8 8263 7	378	BSX 163-164	0 1168 1	9
72011-0740	3 3556 1	311	949100-6080	8 8263 7	378	BSX 165	0 1169 1	9
72011-0750	3 3564 1	312	949100-6750	8 8539 0	369	BSX 166	0 1173 1	9
72011-0800	3 5496 1	343	949103-0390	4 4461 0	196	BSX 170-171	0 1171 1	9
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949100-1650	8 8214 0	379	949103-1320	4 4475 0	196	BSX 172-173-174	0 1194 1	10
949100-1760	8 8214 0	379	949103-2020	4 4475 0	196	BSX 174-175	0 1175 1	10
949100-2500	8 8263 7	378	949103-3160	4 4462 0	196	BSX 177	0 1174 1	10
949100-2590	8 8214 0	379	949103-3840	4 4469 0	196	BSX 178-179	0 1176 1	10
949100-2700	8 8134 0	369	949105-0110	8 8315 0	369	BSX 184-185	0 1088 1	10
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949100-2790	8 8545 0	370	<b>EURO-REFEREN</b>	<b>IKA</b>	<b>PAGE</b>	BSX 186-187	0 1180 1	11
949100-3170	8 8546 0	370	BSX 12	0 1100 1	3	BSX 190-191	0 1183 1	11
949100-3190	8 8538 0	369	BSX 33	0 1102 1	3	BSX 192-193	0 1184 1	11
949100-3230	8 8546 0	370	BSX 34	0 1103 1	3	BSX 194-195	0 1186 1	11
949100-3270	8 8265 0	369	BSX 35	0 1104 1	3	BSX 196	0 1187 1	12
949100-3290	8 8538 0	369	BSX 39	0 1105 1	3	BSX 197	0 1170 1	12

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

EURO-REFEREN	IKA	PAGE	EURO-REFEREN	IKA	PAGE	EURO-REFEREN	IKA	PAGE
BSX 200-201	0 1188 1	12	HX 54	0 1793 1	63	JA-SX 34-30	0 1934 1	32
BSX 202-203	0 1178 1	12	HX 56 (2)	0 1786 1	63	JA-SX 35	0 1935 1	20
BSX 204-205	0 1197 1	12	HX 106	0 1798 1	64	JA-SX 36-37	0 1937 1	32
BSX 210-211	0 1091 1	13	HX 109	0 1797 1	64	JA-SX 38	0 1936 1	42
BSX 212-213	0 1092 1	13	HX 116	0 1790 1	64	JA-SX 39	0 1938 1	20
BSX 216-217	0 1094 1	13	HX 124	0 1791 1	64	JA-SX 39 C	0 1939 1	21
BSX 218-219	0 1095 1	13	HX 155	0 1788 1	64	JA-SX 40-41	0 1953 1	42
BSX 220-221	0 1096 1	14	HX 161	0 1799 1	64	JA-SX 42-43	0 1954 1	42
BSX 222-223	0 1220 1	14	HX 172	0 1789 1	65	JA-SX 44-28	0 1941 1	42
BX 68 (4)	0 1034 1	255	HX 341	0 1792 1	65	JA-SX 45-46	0 1956 1	43
BX 104 (2)	0 1035 1	255	HX 346	0 1787 1	65	JA-SX 47-48	0 1957 1	43
BX 140 (4)	0 1043 1	255	JA-AX 5-8	0 1907 1	262	JA-SX 49-61	0 1948 1	33
BX 151	0 1044 1	255	JA-AX 9	0 1900 1	262	JA-SX 50-51	0 1961 1	33
BX 165	0 1075 1	255	JA-AX 10	0 1899 1	262	JA-SX 52	0 1962 1	21
BX 169	0 1048 1	255	JA-AX 12	0 1901 1	267	JA-SX 53	0 1963 1	21
BX 182	0 1051 1	256	JA-AX 15	0 1904 1	273	JA-SX 54-55	0 1964 1	33
BX 185	0 1052 1	256	JA-AX 16	0 1902 1	273	JA-SX 56-3	0 1959 1	33
BX 188	0 1079 1	256	JA-AX 18	0 1911 1	273	JA-SX 56-3/0	0 1958 1	34
BX 192 (4)	0 1069 1	257	JA-AX 19	0 1906 1	267	JA-SX 57-58	0 1960 1	34
BX 198	0 1084 1	257	JA-AX 20	0 1905 1	267	JA-SX 59-60	0 1950 1	34
BX 199	0 1081 1	257	JA-AX 24	0 1910 1	273	JA-SX 62	0 1965 1	21
BX 202	0 1061 1	257	JA-AX 25	0 1911 1	273	JA-SX 63	0 1966 1	21
BX 203	0 1086 1	258	JA-AX 28	0 1917 1	262	JA-SX 64-65-67	0 1968 1	34
BX 204	0 1062 1	258	JA-AX 29	0 1905 1	267	JA-SX 66-67	0 1969 1	34
BX 208	0 1063 1	259	JA-AX 31	0 1909 1	274	JA-SX 68-73	0 1976 1	43
BX 209	0 1066 1	259	JA-AX 32	0 1912 1	268	JA-SX 69-70 (3)	0 1970 1	43
BX 213	0 1065 1	259	JA-AX 33	0 1913 1	263	JA-SX 69-70 (4)	0 1971 1	44
BX 214	0 1067 1	260	JA-AX 34	0 1914 1	274	JA-SX 70	0 1967 1	44
BX 215	0 1068 1	260	JA-AX 35	0 1915 1	263	JA-SX 71	0 1973 1	44
BX 216	0 1064 1	260	JA-AX 36	0 1916 1	274	JA-SX 71-72	0 1972 1	44
BX 219	0 1082 1	260	JA-AX 36 ST	0 1903 1	274	JA-SX 74	0 1975 1	35
BX 220	0 1083 1	260	JA-AX 37	0 1918 1	268	JA-SX 74-75	0 1974 1	35
FX 67	0 1526 1	266	JA-AX 38	0 1919 1	263	JA-SX 77-78	0 1977 1	21
FX 70-71	0 1527 1	30	JA-AX 39	0 1920 1	269	JA-SX 80-81	0 1982 1	35
FX 70-72	0 1528 1	30	JA-SX 1	0 1943 1	67	JA-SX 82-83 (3)	0 1981 1	45
FX 73	0 1529 1	30	JA-SX 2	0 1946 1	67	JA-SX 82-83 (4)	0 1983 1	45
FX 74	0 1530 1	30	JA-SX 10-11	0 1955 1	20	JA-SX 84	0 1984 1	22
FX 74-78	0 1522 1	30	JA-SX 14 (4)	0 1940 1	20	JA-SX 85	0 1985 1	22
FX 75	0 1524 1	30	JA-SX 15-6 (4)	0 1942 1	32	JA-SX 86-87	0 1986 1	22
FX 76-77	0 1523 1	31	JA-SX 22 (4)	0 1945 1	20	JA-SX 88	0 1988 1	23
HPIX 1 mot. directio	0 1800 1	66	JA-SX 24-25	0 1979 1	47	JA-SX 89	0 1991 1	23
HX 3	0 1795 1	63	JA-SX 26-27	0 1978 1	32	JA-SX 90	0 1989 1	45
HX 6 (2)	0 1785 1	63	JA-SX 29	0 1949 1	42	JA-SX 91	0 1990 1	45
HX 16	0 1794 1	63	JA-SX 31	0 1952 1	32	JA-SX 92-93 12V	0 1992 1	35
HX 26	0 1796 1	63	JA-SX 32-33	0 1951 1	32	JA-SX 94-95 24V	0 1993 1	36

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

EURO-REFEREN	IKA	PAGE	EURO-REFEREN	IKA	PAGE	EURO-REFEREN	IKA	PAGE
JA-SX 96-97 24V	0 1995 1	45	LASX 15-27	0 1609 1	37	PSX 133 K	0 1763 1	56
JA-SX 98-99 12V	0 1994 1	46	LASX 30-31-32	0 1613 1	37	PSX 136-137	0 1771 1	56
JA-SX 110-111	0 1922 1	46	LASX 31	0 1614 1	37	PSX 138-139 (2)	0 1775 1	56
JASX107	0 1345 1	68	LASX 36	0 1615 1	37	PSX 140-141 (4)	0 1776 1	56
JSX 5	0 1451 1	24	LASX 40-41	0 1617 1	37	PSX 142-143	0 1779 1	57
JSX 9	0 1454 1	24	LASX 42	0 1618 1	38	PSX 142-144	0 1752 1	57
JSX 13 (4)	0 1457 1	24	LASX 43-44 w. termina	0 1628 1	38	PSX 142-145	0 1754 1	57
JSX 14	0 1455 1	24	LASX 43-44/0 w/o.term	0 1619 1	38	PSX 146-147 w/o. sprin	0 1783 1	57
JSX 16	0 1459 1	24	LASX 43-47-48	0 1622 1	38	PSX 148-149 w/o. sprin	0 1773 1	57
JSX 19	0 1462 1	24	LASX 44-45	0 1620 1	38	PSX 148-149/0	0 1774 1	58
JSX 21-22	0 1464 1	25	LASX 73-41	0 1621 1	38	PSX 148-157 w/o. sprin	0 1777 1	58
JSX 23-24-28	0 1466 1	25	LAX 9	0 1550 1	270	PSX 148-158 w/o. sprin	0 1768 1	58
JSX 25-22	0 1467 1	25	LAX 23	0 1553 1	270	PSX 148-159 w/o. sprin	0 1778 1	59
JSX 26-27	0 1468 1	25	LAX 29	0 1558 1	270	PSX 152-153	0 1780 1	59
JSX 29-30	0 1469 1	25	LAX 31	0 1560 1	270	PSX 155 (3)	0 1727 1	59
JSX 31-32	0 1470 1	25	LAX 31-32	0 1561 1	270	PSX 155 (4)	0 1728 1	59
JSX 33-34	0 1471 1	26	LAX 86	0 1573 1	271	PSX 156 (4)	0 1726 1	59
JSX 35-36	0 1472 1	26	MASX 3	0 1662 1	40	PSX 160-164 D7G c/w	0 1735 1	60
JSX 35-37	0 1473 1	26	MASX 13-14	0 1663 1	40	PSX 161	0 1737 1	60
JSX 38-39-40 (3)	0 1474 1	26	MASX 15-16	0 1664 1	40	PSX 166-167	0 1743 1	60
JSX 38-40-58 (4)	0 1482 1	26	MASX 17-18	0 1665 1	40	PSX 168-167	0 1744 1	60
JSX 38-41	0 1475 1	26	MASX 19-20	0 1666 1	40	PSX 169-170	0 1745 1	60
JSX 38-42	0 1476 1	27	MASX 21-22	0 1668 1	40	PSX 89-90	0 1747 1	55
JSX 40-46-47 (4)	0 1477 1	27	MASX 23-24	0 1669 1	41	PX 50	0 1710 1	278
JSX 43-45-44 (4)	0 1478 1	27	MASX 25-26	0 1670 1	41	PX 52-54	0 1712 1	278
JSX 43-45-57 (3)	0 1483 1	27	MASX 27-28	0 1671 1	41	PX 58	0 1717 1	278
JSX 48-49-50 (3)	0 1479 1	27	PLSX 3	0 1690 1	48	PX 60	0 1719 1	278
JSX 50-55-56 (3)	0 1484 1	27	PLSX 4	0 1691 1	48	PX 61	0 1720 1	278
JSX 51-52 (2)	0 1480 1	28	PLSX 5	0 1689 1	48	RX 60	0 1284 1	49
JSX 51-52-59 (3)	0 1485 1	28	PLX 10	0 1692 1	275	RX 70 (4)	0 1285 1	49
JSX 51-52-63 (4)	0 1486 1	28	PLX 11	0 1693 1	275	RX 87	0 1287 1	49
JSX 53-54	0 1481 1	28	PLX 5	0 1688 1	275	RX 92	0 1296 1	49
JSX 61-62-63 (4)	0 1487 1	28	PSX 55-76	0 1738 1	54	RX 95	0 1288 1	49
JSX 70-71	0 1490 1	29	PSX 64-70 (2)	0 1741 1	54	RX 96 (R 120)	0 1286 1	49
JSX 72-73 Denso P76	0 1491 1	29	PSX 81-82	0 1746 1	54	RX 103	0 1266 1	276
JSX 74-75-76-77 P70	0 1492 1	29	PSX 83-84	0 1750 1	54	RX 103 E	0 1268 1	276
JSX 73 (4)	0 1493 1	29	PSX 88	0 1756 1	54	RX 103 F	0 1267 1	276
JX 22	0 1410 1	264	PSX 112	0 1755 1	55	RX 106	0 1269 1	276
JX 26	0 1413 1	264	PSX 115-116	0 1757 1	55	RX 117	0 1270 1	276
JX 30-31	0 1415 1	264	PSX 115-116-121	0 1759 1	55	RX 120 (2)	0 1250 1	50
JX 32	0 1417 1	264	PSX 119-120	0 1760 1	55	RX 120 (3)	0 1291 1	50
JX 42	0 1433 1	264	PSX 129	0 1766 1	55	RX 120 (4)	0 1251 1	50
JX 43	0 1434 1	265	PSX 131	0 1770 1	56	RX 120/0 (4)	0 1295 1	50
JX 44	0 1435 1	265	PSX 132	0 1769 1	56	RX 122	0 1280 1	50
LASX 15-16	0 1608 1	37	PSX 133	0 1770 1	56	RX 122H	0 1256 1	50



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

EURO-REFEREN	IKA	PAGE	FCC	IKA	PAGE	FCC	IKA	PAGE
RX 124	0 1281 1	51	JHTSX 29	0 1993 1	36	JMTSX 66	0 1973 1	44
RX 124H	0 1257 1	51	JHTSX 30	0 1978 1	32	JMTX 13	0 1904 1	273
RX 132-133	0 1290 1	276	JHTSX 31	0 1982 1	35	JMTX 14	0 1902 1	273
RX 134	0 1282 1	51	JHTSX 32	0 1992 1	35	JMTX 19	0 1911 1	273
RX 134H	0 1259 1	51	JHTSX 33	0 1958 1	34	JMTX 20	0 1911 1	273
RX 135	0 1283 1	52	JHTSX 34	0 1993 1	36	JMTX 22	0 1910 1	273
RX 135H	0 1260 1	52	JHTSX 36	0 1937 1	32	JMTX 23	0 1911 1	273
RX 140-141	0 1263 1	277	JHTSX 37	0 1974 1	35	JMTX 25	0 1911 1	273
RX 142-143	0 1261 1	277	JHTSX 38	0 1960 1	34	JMTX 32	0 1910 1	273
RX 419-420	0 1254 1	52	JHTSX 39	0 1937 1	32	JMTX 33	0 1909 1	274
SVX 7	0 1781 1	279	JHTSX 40	0 1975 1	35	JMTX 34	0 1909 1	274
SVX 9	0 1781 1	279	JHTSX 43	0 1934 1	32	JMTX 35	0 1914 1	274
			JHTSX 44	0 1974 1	35	JMTX 38	0 1916 1	274
<b>FCC</b>	<b>IKA</b>	<b>PAGE</b>	JHTSX 47	0 1948 1	33	JMTX 39	0 1909 1	274
FBH 3	4 4466 0	200	JHTX 5	0 1906 1	267	JMTX 41	0 1916 1	274
FBH 4	4 4459 0	200	JHTX 6	0 1901 1	267	JMTX 42	0 1914 1	274
FBH 5	4 4466 0	200	JHTX 7	0 1906 1	267	JNDSX 8	0 1935 1	20
FBH 6	4 4354 0	198	JHTX 10	0 1906 1	267	JNDSX 12	0 1940 1	20
FBH 7	4 4463 0	200	JHTX 11	0 1906 1	267	JNDSX 20	0 1965 1	21
FBH 31	4 4455 0	200	JHTX 18	0 1905 1	267	JNDSX 25	0 1966 1	21
FBH 32	4 4454 0	200	JHTX 18 M	0 1905 1	267	JNDSX 28	0 1935 1	20
FBH 38	4 4353 0	205	JHTX 19	0 1906 1	267	JNDSX 31	0 1988 1	23
FBM 10	4 4464 0	202	JHTX 20	0 1912 1	268	JNDSX 31 M	0 1988 1	23
FBM 16	4 4456 0	202	JHTX 23	0 1912 1	268	JNDSX 32	0 1984 1	22
FBM 36	4 4458 0	202	JHTX 27	0 1918 1	268	JNDSX 33	0 1991 1	23
FBM 37	4 4470 0	202	JHTX 29	0 1920 1	269	JNDSX 34	0 1985 1	22
FBM 38	4 4465 0	202	JMTSX 9	0 1949 1	42	JNDSX 35	0 1977 1	21
FBM 39	4 4464 0	202	JMTSX 11	0 1980 1	42	JNDSX 36	0 1986 1	22
FBM 45	4 4484 0	202	JMTSX 24	0 1949 1	42	JNDSX 37	0 1963 1	21
FBN 1	4 4475 0	196	JMTSX 27	0 1967 1	44	JNDSX 39	0 1938 1	20
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FBN 14	4 4457 0	196	JMTSX 31	0 1957 1	43	JNDSX 41	0 1962 1	21
FBN 17	4 4461 0	196	JMTSX 36	0 1971 1	44	JNDSX 42	0 1955 1	20
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FBN 34	4 4475 0	196	JMTSX 37	0 1957 1	43	JNDX 9	0 1907 1	262
FBN 38	4 4469 0	196	JMTSX 48	0 1936 1	42	JNDX 11	0 1900 1	262
JHTSX 7 M	0 1942 1	32	JMTSX 49	0 1983 1	45	JNDX 11 M	0 1900 1	262
JHTSX 8 M	0 1942 1	32	JMTSX 49 N	0 1981 1	45	JNDX 25	0 1907 1	262
JHTSX 9 M	0 1959 1	33	JMTSX 54	0 1971 1	44	JNDX 27	0 1907 1	262
JHTSX 11	0 1959 1	33	JMTSX 55	0 1994 1	46	JNDX 28	0 1907 1	262
JHTSX 12 M	0 1952 1	32	JMTSX 56	0 1972 1	44	JNDX 29	0 1899 1	262
JHTSX 17	0 1960 1	34	JMTSX 57	0 1995 1	45	JNDX 30	0 1917 1	262
JHTSX 25	0 1992 1	35	JMTSX 58	0 1957 1	43	JNDX 32	0 1913 1	263
JHTSX 28	0 1969 1	34	JMTSX 59	0 1989 1	45	JNDX 33	0 1919 1	263
JHTSX 28 N	0 1968 1	34	JMTSX 65	0 1973 1	44	JNDX 34	0 1915 1	263

# VERGLEICHSLISTE CROSS REFERENCE LIST

FCC	IKA	PAGE	FORD-VISTEON	IKA	PAGE	FUJI	IKA	PAGE
JNDX 34 M	0 1915 1	263	AV6N-10300-DC	3 5445 1	351	F-141	0 1977 1	21
JNDX 37	0 1915 1	263	AV6Q-10A352-AA	3 5446 1	351	F-147	0 1952 1	32
JNDX 38	0 1913 1	263	AV6Q-10A352-BA	3 5445 1	351	FA-101	0 1969 1	34
JNKSX 20	0 1254 1	52	BA 116 Z	8 8681 0	216	FA-102	0 1969 1	34
JNKSX 28	0 1997 1	22	BE9H-11052-B	8 8665 0	215	FD-111	0 1940 1	20
JNKX 6	0 1906 1	267	BF6T-11135-B	8 4079 0	210	FD-133	0 1945 1	20
			C3SF-10A304-A	8 8200 0	213	FD-138	0 1965 1	21
<b>FORD-VISTEON</b>	<b>IKA</b>	<b>PAGE</b>	C4SF-10A304-A	8 8200 0	213	FD-139	0 1965 1	21
10474532	8 8433 0	375	C5AF-10A304-A	8 8200 0	213	FD-140	0 1966 1	21
106688	4 5027 1	149	C5AZ-10A304-A	8 8200 0	213	FD-151	0 1962 1	21
10670-F7RU	4 5027 1	149	C6VY-11135-A	8 4079 0	210	FD-154	0 1984 1	22
1079392	3 5402 1	349	D2OF-10A304-A2A	8 8200 0	213	FD-155	0 1984 1	22
1334133	3 5402 1	349	D2OZ-10A304-A	8 8200 0	213	FD-156	0 1988 1	23
1488368	3 5402 1	349	E5PF-11061-A	7 7525 1	126	FD-157	0 1966 1	21
1587259	8 8983 0	217	E5PF-11434-AA	7 7525 1	126	FD-158	0 1985 1	22
1587265	8 8693 0	216	E7GZ-11061-A	7 7183 1	123	FD-159	0 1985 1	22
1C3U-11424-AA	7 7213 1	116	E90F-11448-BA	8 2256 0	209	FD-160	0 1985 1	22
1C3U-11434-AA	7 7213 1	116	E90Z-11061-A	7 7211 1	116	FD-161	0 1977 1	21
1S4Q-10344-AB	3 3593 1	346	E90Z-11061-B	7 7211 1	116	FD-162	0 1963 1	21
1S7U-10A352-DB	3 3590 1	317	E90Z-11061-C	7 7211 1	116	FD-163	0 1984 1	22
31285489	3 5430 1	335	E90Z-11135-A	4 4056 0	194	FD-165	0 1984 1	22
3M5T-10300-PB	3 5396 1	332	E90Z-11A165-A	4 2229 0	185	FD-166	0 1977 1	21
3M5T-10300-PC	3 5396 1	332	F1DU-10260-AA	7 7166 1	285	FD-167	0 1939 1	21
5M5Q-10344-AA	3 3593 1	346	F1DZ-10347-A	7 7166 1	285	FD-168	0 1977 1	21
5M5Q10344-AA	3 5317 1	319	F3RZ-11061-A	7 7212 1	116	FD-169	0 1984 1	22
5M5Q-10344-AB	3 5317 1	319	F4BZ-11061-A	7 7183 1	123	FD-170	0 1962 1	21
5M5Q-10D310-AA	3 3593 1	346	F7RU-11165-CA	4 2229 0	185	FD-171	0 1962 1	21
5M5Q-10D310-AB,	3 3593 1	346	F7RU-11434-BA	7 7261 1	116	FD-311	0 1900 1	262
6158987	8 4079 0	210	F7RU-11448-EA	8 8981 0	217	FD-312	0 1900 1	262
6G9N-10D311-AA	3 5372 1	348	F8RU-11448-AA	8 2256 0	209	FD-313	0 1917 1	262
6G9N-10D321-AA	3 5428 1	350	SCE 98	8 4208 0	213	FD-315	0 1913 1	263
6G9N-6A312-AE	3 5371 1	348	SCE 116	8 8681 0	216	FD-316	0 1915 1	263
6G9N-6A312-AF	3 5371 1	348	TN49-11339	8 8664 0	215	FD-317	0 1913 1	263
6M21-10344-AA	3 3517 1	305	TN49-11339-A	8 8665 0	215	FD-318	0 1915 1	263
78HB-11448-AA	8 8693 0	216	VP2M5U-10A352-AA	3 5354 1	326	FD-319	0 1915 1	263
78HB-1148-BA	8 8983 0	217	VP2PSU-10A352-BA	3 5331 1	322	FE-123	0 1984 1	22
95VW-10344-CA	3 3517 1	305	VP2PSU-10A352-CA	3 5331 1	322	FE-124	0 1988 1	23
95VW-10344-FA	3 3517 1	305	VP5L8U-10A352-AA	3 5469 1	340	FE-167	0 1977 1	21
98FF-10C382-BC	3 5402 1	349	VP6S4U-10A352-AA	3 5354 1	326	FE-303	0 1906 1	267
98FF-10C382-BF	3 5402 1	349	YC1T-10A352-AC	3 3562 1	345	FE-304	0 1906 1	267
98FF-10C382-BG	3 5402 1	349	YC1U-1033-EA	3 3588 1	346	FE-306	0 1906 1	267
98FF-10C382-BH	3 5402 1	349	YC1U-10352-BB	3 3588 1	346	FE-310	0 1900 1	262
9M5Q-10A352-AA	3 5447 1	351	YC1U-10A352-BA	3 3562 1	345	FE-316	0 1906 1	267
AM5Q-10A352-AA	3 5442 1	350	YP2C-10A352-AA	3 3588 1	346			
AU2-11395-A	8 4097 0	212	YP2C1U-10352-AA	3 3588 1	346			

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FE-317	0 1906 1	267	FF-319	0 1938 1	20	FI-085	0 1984 1	22
FE-318	0 1905 1	267	FF-321	0 1915 1	263	FI-086	0 1962 1	21
FE-319	0 1915 1	263	FF-322	0 1914 1	274	FI-109	0 1942 1	32
FE-320	0 1915 1	263	FF-323	0 1905 1	267	FI-110	0 1942 1	32
FE-321	0 1915 1	263	FF-325	0 1915 1	263	FI-116	0 1951 1	32
FF-110	0 1960 1	34	FH-123	0 1988 1	23	FI-117	0 1951 1	32
FF-111	0 1960 1	34	FH-125	0 1993 1	36	FI-118	0 1959 1	33
FF-115	0 1940 1	20	FH-126	0 1993 1	36	FI-119	0 1959 1	33
FF-116	0 1940 1	20	FH-145	0 1988 1	23	FI-120	0 1952 1	32
FF-117	0 1969 1	34	FH-303	0 1901 1	267	FI-125	0 1940 1	20
FF-118	0 1969 1	34	FH-304	0 1906 1	267	FI-126	0 1952 1	32
FF-119	0 1968 1	34	FH-306	0 1913 1	263	FI-130	0 1992 1	35
FF-120	0 1969 1	34	FH-307	0 1913 1	263	FI-131	0 1992 1	35
FF-121	0 1969 1	34	FH-318	0 1900 1	262	FI-133	0 1960 1	34
FF-122	0 1969 1	34	FH-323	0 1900 1	262	FI-134	0 1960 1	34
FF-124	0 1939 1	21	FH-324	0 1900 1	262	FI-135	0 1959 1	33
FF-125	0 1984 1	22	FI-001	0 1974 1	35	FI-136	0 1959 1	33
FF-128	0 1985 1	22	FI-002	0 1937 1	32	FI-147	0 1952 1	32
FF-132	0 1984 1	22	FI-003	0 1937 1	32	FI-156	0 1963 1	21
FF-133	0 1963 1	21	FI-025	0 1988 1	23	FI-159	0 1993 1	36
FF-134	0 1985 1	22	FI-027	0 1988 1	23	FI-164	0 1952 1	32
FF-135	0 1984 1	22	FI-029	0 1984 1	22	FI-167	0 1968 1	34
FF-137	0 1968 1	34	FI-030	0 1988 1	23	FI-168	0 1969 1	34
FF-138	0 1961 1	33	FI-035	0 1968 1	34	FI-172	0 1992 1	35
FF-139	0 1961 1	33	FI-040	0 1984 1	22	FI-173	0 1992 1	35
FF-140	0 1961 1	33	FI-041	0 1985 1	22	FI-174	0 1993 1	36
FF-141	0 1961 1	33	FI-046	0 1937 1	32	FI-175	0 1993 1	36
FF-144	0 1961 1	33	FI-047	0 1968 1	34	FI-181	0 1993 1	36
FF-145	0 1961 1	33	FI-051	0 1992 1	35	FI-182	0 1993 1	36
FF-146	0 1984 1	22	FI-052	0 1992 1	35	FI-185	0 1993 1	36
FF-150	0 1969 1	34	FI-053	0 1975 1	35	FI-186	0 1993 1	36
FF-151	0 1969 1	34	FI-054	0 1974 1	35	FI-189	0 1969 1	34
FF-152	0 1968 1	34	FI-055	0 1974 1	35	FI-191	0 1977 1	21
FF-155	0 1984 1	22	FI-056	0 1974 1	35	FI-192	0 1969 1	34
FF-156	0 1984 1	22	FI-061	0 1977 1	21	FI-193	0 1969 1	34
FF-157	0 1984 1	22	FI-062	0 1955 1	20	FI-194	0 1982 1	35
FF-158	0 1939 1	21	FI-063	0 1955 1	20	FI-195	0 1982 1	35
FF-303	0 1905 1	267	FI-064	0 1963 1	21	FI-196	0 1937 1	32
FF-304	0 1905 1	267	FI-065	0 1939 1	21	FI-197	0 1937 1	32
FF-308	0 1900 1	262	FI-066	0 1997 1	22	FI-198	0 1934 1	32
FF-310	0 1912 1	268	FI-067	0 1997 1	22	FI-199	0 1934 1	32
FF-313	0 1905 1	267	FI-068	0 1997 1	22	FI-200	0 1974 1	35
FF-314	0 1905 1	267	FI-069	0 1997 1	22	FI-304	0 1906 1	267
FF-315	0 1905 1	267	FI-080	0 1984 1	22	FI-306	0 1907 1	262
FF-316	0 1905 1	267	FI-081	0 1984 1	22	FI-307	0 1907 1	262

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FI-315	0 1901 1	267	FJ-007	0 1985 1	22	FJ-346	0 1913 1	263
FI-317	0 1906 1	267	FJ-012	0 1972 1	44	FJ-347	0 1914 1	274
FI-318	0 1907 1	262	FJ-016	0 1988 1	23	FJ-350	0 1915 1	263
FI-319	0 1907 1	262	FJ-025	0 1995 1	45	FJ-352	0 1916 1	274
FI-320	0 1906 1	267	FJ-026	0 1994 1	46	FJ-354	0 1914 1	274
FI-321	0 1906 1	267	FJ-029	0 1939 1	21	FJ-358	0 1915 1	263
FI-322	0 1906 1	267	FJ-030	0 1994 1	46	FK-107	0 1984 1	22
FI-323	0 1905 1	267	FJ-125	0 1935 1	20	FK-108	0 1965 1	21
FI-324	0 1905 1	267	FJ-126	0 1967 1	44	FK-109	0 1984 1	22
FI-327	0 1900 1	262	FJ-138	0 1940 1	20	FK-113	0 1969 1	34
FI-329	0 1906 1	267	FJ-149	0 1957 1	43	FK-114	0 1969 1	34
FI-330	0 1906 1	267	FJ-150	0 1971 1	44	FK-115	0 1984 1	22
FI-331	0 1900 1	262	FJ-151	0 1971 1	44	FK-118	0 1969 1	34
FI-339	0 1906 1	267	FJ-165	0 1957 1	43	FK-119	0 1969 1	34
FI-340	0 1906 1	267	FJ-166	0 1957 1	43	FK-124	0 1966 1	21
FI-347	0 1906 1	267	FJ-177	0 1936 1	42	FK-125	0 1985 1	22
FI-353	0 1905 1	267	FJ-178	0 1971 1	44	FK-127	0 1966 1	21
FI-354	0 1905 1	267	FJ-179	0 1957 1	43	FK-128	0 1984 1	22
FI-355	0 1912 1	268	FJ-181	0 1935 1	20	FK-129	0 1986 1	22
FI-356	0 1912 1	268	FJ-183	0 1983 1	45	FK-130	0 1963 1	21
FI-357	0 1912 1	268	FJ-184	0 1983 1	45	FK-131	0 1939 1	21
FI-358	0 1905 1	267	FJ-185	0 1936 1	42	FK-132	0 1968 1	34
FI-359	0 1905 1	267	FJ-188	0 1989 1	45	FK-139	0 1984 1	22
FI-360	0 1905 1	267	FJ-189	0 1967 1	44	FK-140	0 1984 1	22
FI-361	0 1905 1	267	FJ-190	0 1994 1	46	FK-301	0 1906 1	267
FI-364	0 1913 1	263	FJ-191	0 1967 1	44	FK-302	0 1906 1	267
FI-368	0 1906 1	267	FJ-192	0 1995 1	45	FK-303	0 1900 1	262
FI-371	0 1905 1	267	FJ-193	0 1940 1	20	FK-312	0 1899 1	262
FI-372	0 1905 1	267	FJ-194	0 1967 1	44	FK-315	0 1915 1	263
FI-373	0 1905 1	267	FJ-195	0 1988 1	23	FK-316	0 1915 1	263
FI-374	0 1905 1	267	FJ-200	0 1967 1	44	FM-101	0 1940 1	20
FI-376	0 1905 1	267	FJ-307	0 1902 1	273	FM-109	0 1949 1	42
FI-378	0 1905 1	267	FJ-309	0 1911 1	273	FM-121	0 1967 1	44
FI-381	0 1912 1	268	FJ-312	0 1911 1	273	FM-123	0 1957 1	43
FI-384	0 1906 1	267	FJ-323	0 1900 1	262	FM-135	0 1971 1	44
FI-391	0 1912 1	268	FJ-324	0 1910 1	273	FM-136	0 1971 1	44
FI-393	0 1915 1	263	FJ-325	0 1911 1	273	FM-145	0 1957 1	43
FI-398	0 1905 1	267	FJ-333	0 1900 1	262	FM-152	0 1983 1	45
FI-403	0 1913 1	263	FJ-334	0 1911 1	273	FM-153	0 1983 1	45
FI-404	0 1915 1	263	FJ-336	0 1910 1	273	FM-154	0 1989 1	45
FI-405	0 1920 1	269	FJ-337	0 1910 1	273	FM-159	0 1966 1	21
FI-406	0 1905 1	267	FJ-342	0 1910 1	273	FM-160	0 1994 1	46
FI-407	0 1912 1	268	FJ-343	0 1909 1	274	FM-161	0 1973 1	44
FJ-002	0 1973 1	44	FJ-344	0 1910 1	273	FM-162	0 1973 1	44
FJ-005	0 1973 1	44	FJ-345	0 1909 1	274	FM-164	0 1971 1	44

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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FM-166	0 1973 1	44	FN-009	0 1961 1	33	FN-156	0 1959 1	33
FM-167	0 1977 1	21	FN-015	0 1969 1	34	FN-158	0 1952 1	32
FM-168	0 1985 1	22	FN-016	0 1969 1	34	FN-163	0 1957 1	43
FM-169	0 1961 1	33	FN-018	0 1937 1	32	FN-167	0 1992 1	35
FM-170	0 1961 1	33	FN-023	0 1969 1	34	FN-168	0 1992 1	35
FM-171	0 1985 1	22	FN-024	0 1969 1	34	FN-169	0 1952 1	32
FM-175	0 1973 1	44	FN-025	0 1974 1	35	FN-173	0 1974 1	35
FM-178	0 1972 1	44	FN-027	0 1967 1	44	FN-174	0 1974 1	35
FM-181	0 1974 1	35	FN-028	0 1967 1	44	FN-175	0 1974 1	35
FM-182	0 1974 1	35	FN-029	0 1989 1	45	FN-176	0 1974 1	35
FM-183	0 1983 1	45	FN-030	0 1994 1	46	FN-178	0 1971 1	44
FM-184	0 1983 1	45	FN-031	0 1995 1	45	FN-186	0 1957 1	43
FM-185	0 1939 1	21	FN-035	0 1960 1	34	FN-187	0 1978 1	32
FM-302	0 1902 1	273	FN-036	0 1960 1	34	FN-188	0 1978 1	32
FM-303	0 1904 1	273	FN-039	0 1983 1	45	FN-189	0 1982 1	35
FM-304	0 1911 1	273	FN-040	0 1983 1	45	FN-190	0 1982 1	35
FM-305	0 1911 1	273	FN-041	0 1974 1	35	FN-191	0 1993 1	36
FM-307	0 1911 1	273	FN-042	0 1974 1	35	FN-192	0 1993 1	36
FM-309	0 1911 1	273	FN-043	0 1961 1	33	FN-195	0 1992 1	35
FM-310	0 1902 1	273	FN-044	0 1961 1	33	FN-196	0 1992 1	35
FM-311	0 1912 1	268	FN-057	0 1948 1	33	FN-197	0 1958 1	34
FM-312	0 1910 1	273	FN-058	0 1948 1	33	FN-198	0 1958 1	34
FM-313	0 1900 1	262	FN-059	0 1961 1	33	FN-199	0 1937 1	32
FM-314	0 1910 1	273	FN-060	0 1961 1	33	FN-200	0 1937 1	32
FM-315	0 1910 1	273	FN-061	0 1969 1	34	FN-302	0 1901 1	267
FM-316	0 1952 1	32	FN-062	0 1969 1	34	FN-303	0 1906 1	267
FM-317	0 1900 1	262	FN-063	0 1995 1	45	FN-304	0 1906 1	267
FM-318	0 1913 1	263	FN-064	0 1995 1	45	FN-305	0 1906 1	267
FM-319	0 1914 1	274	FN-067	0 1971 1	44	FN-306	0 1906 1	267
FM-320	0 1915 1	263	FN-068	0 1971 1	44	FN-307	0 1906 1	267
FM-321	0 1912 1	268	FN-107	0 1942 1	32	FN-309	0 1906 1	267
FM-322	0 1912 1	268	FN-110	0 1942 1	32	FN-310	0 1906 1	267
FM-323	0 1912 1	268	FN-120	0 1952 1	32	FN-312	0 1902 1	273
FM-324	0 1916 1	274	FN-122	0 1951 1	32	FN-313	0 1905 1	267
FM-325	0 1914 1	274	FN-123	0 1951 1	32	FN-314	0 1905 1	267
FM-326	0 1914 1	274	FN-124	0 1960 1	34	FN-315	0 1906 1	267
FM-327	0 1916 1	274	FN-125	0 1960 1	34	FN-316	0 1906 1	267
FN-001	0 1957 1	43	FN-126	0 1949 1	42	FN-317	0 1906 1	267
FN-002	0 1957 1	43	FN-127	0 1949 1	42	FN-318	0 1911 1	273
FN-003	0 1934 1	32	FN-138	0 1959 1	33	FN-320	0 1902 1	273
FN-004	0 1934 1	32	FN-139	0 1959 1	33	FN-322	0 1905 1	267
FN-005	0 1968 1	34	FN-140	0 1969 1	34	FN-323	0 1905 1	267
FN-006	0 1937 1	32	FN-141	0 1969 1	34	FN-324	0 1905 1	267
FN-007	0 1937 1	32	FN-145	0 1971 1	44	FN-325	0 1905 1	267
FN-008	0 1961 1	33	FN-155	0 1959 1	33	FN-330	0 1905 1	267

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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FN-331	0 1905 1	267	FO-302	0 1905 1	267	FW-111	0 1993 1	36
FN-333	0 1906 1	267	FR-302	0 1900 1	262	FW-112	0 1993 1	36
FN-334	0 1905 1	267	FR-303	0 1913 1	263	FW-116	0 1984 1	22
FN-335	0 1905 1	267	FS-112	0 1940 1	20	FW-117	0 1984 1	22
FN-336	0 1902 1	273	FS-123	0 1963 1	21	FW-301	0 1905 1	267
FN-342	0 1905 1	267	FS-124	0 1963 1	21	FW-302	0 1905 1	267
FN-343	0 1910 1	273	FS-125	0 1939 1	21	FW-303	0 1900 1	262
FN-344	0 1905 1	267	FS-127	0 1985 1	22	FY-105	0 1937 1	32
FN-346	0 1905 1	267	FS-301	0 1900 1	262	FY-106	0 1937 1	32
FN-347	0 1912 1	268	FS-304	0 1900 1	262	FY-111	0 1969 1	34
FN-348	0 1912 1	268	FS-309	0 1915 1	263	FY-112	0 1969 1	34
FN-349	0 1909 1	274	FS-310	0 1915 1	263	FY-113	0 1982 1	35
FN-352	0 1910 1	273	FT-104	0 1940 1	20	FY-114	0 1982 1	35
FN-353	0 1912 1	268	FT-111	0 1935 1	20	FY-115	0 1959 1	33
FN-354	0 1912 1	268	FT-114	0 1966 1	21	FY-116	0 1959 1	33
FN-355	0 1905 1	267	FT-116	0 1965 1	21	FY-117	0 1959 1	33
FN-356	0 1912 1	268	FT-124	0 1984 1	22	FY-119	0 1968 1	34
FN-357	0 1905 1	267	FT-127	0 1984 1	22	FY-120	0 1959 1	33
FN-359	0 1905 1	267	FT-128	0 1988 1	23	FY-121	0 1958 1	34
FN-360	0 1905 1	267	FT-129	0 1984 1	22	FY-122	0 1958 1	34
FN-361	0 1905 1	267	FT-130	0 1985 1	22	FY-123	0 1992 1	35
FN-362	0 1905 1	267	FT-133	0 1977 1	21	FY-124	0 1992 1	35
FN-363	0 1905 1	267	FT-138	0 1986 1	22	FY-125	0 1992 1	35
FN-364	0 1905 1	267	FT-139	0 1984 1	22	FY-126	0 1992 1	35
FN-368	0 1912 1	268	FT-140	0 1962 1	21	FY-127	0 1993 1	36
FN-372	0 1909 1	274	FT-141	0 1977 1	21	FY-128	0 1993 1	36
FN-373	0 1912 1	268	FT-142	0 1988 1	23	FY-129	0 1993 1	36
FN-376	0 1912 1	268	FT-143	0 1939 1	21	FY-130	0 1993 1	36
FN-377	0 1905 1	267	FT-147	0 1984 1	22	FY-138	0 1937 1	32
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FN-380	0 1905 1	267	FT-149	0 1984 1	22	FY-140	0 1984 1	22
FN-382	0 1914 1	274	FT-150	0 1984 1	22	FY-143	0 1937 1	32
FN-383	0 1916 1	274	FT-151	0 1984 1	22	FY-148	0 1974 1	35
FN-385	0 1912 1	268	FT-305	0 1900 1	262	FY-149	0 1993 1	36
FN-386	0 1920 1	269	FT-313	0 1913 1	263	FY-150	0 1993 1	36
FN-389	0 1905 1	267	FT-314	0 1919 1	263	FY-151	0 1937 1	32
FN-390	0 1912 1	268	FT-315	0 1919 1	263	FY-153	0 1993 1	36
FN-391	0 1918 1	268	FT-316	0 1915 1	263	FY-155	0 1984 1	22
FN-393	0 1918 1	268	FT-317	0 1915 1	263	FY-156	0 1984 1	22
FN-394	0 1916 1	274	FT-318	0 1915 1	263	FY-157	0 1977 1	21
FN-395	0 1918 1	268	FT-319	0 1913 1	263	FY-158	0 1985 1	22
FN-396	0 1918 1	268	FU-101	0 1988 1	23	FY-159	0 1988 1	23
FN-400	0 1916 1	274	FV-301	0 1905 1	267	FY-302	0 1905 1	267
FN-402	0 1918 1	268	FV-302	0 1905 1	267	FY-303	0 1905 1	267
FO-301	0 1905 1	267	FW-015	0 1940 1	20	FY-304	0 1905 1	267

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

<b>FUJI</b>	<b>IKA</b>	<b>PAGE</b>	<b>GHIBAUDI</b>	<b>IKA</b>	<b>PAGE</b>	<b>GHIBAUDI</b>	<b>IKA</b>	<b>PAGE</b>
FY-305	0 1905 1	267	1953	4 5020 1	159	2329	4 2389 0	171
FY-306	0 1906 1	267	1954	4 2326 0	167	2338	4 5047 1	143
FY-307	0 1905 1	267	1959	4 2314 1	166	2343	4 5048 1	143
FY-309	0 1905 1	267	1968	4 2374 1	169	2344	4 5049 1	158
FY-313	0 1906 1	267	1969	4 2371 0	169	2345	4 5050 1	155
FY-314	0 1906 1	267	1989	4 5021 1	141	2347	4 5101 1	147
FY-315	0 1905 1	267	1991	4 5022 1	141	2354	4 5051 1	143
FY-317	0 1900 1	262	1999	4 5023 1	159	2356	4 5077 1	146
FY-318	0 1914 1	274	2000	4 2362 0	168	2369	4 5078 1	155
FY-320	0 1905 1	267	2006	4 5024 1	141	2377	4 5053 1	160
FY-321	0 1912 1	268	2009	4 5075 1	151	2379	4 5091 1	148
FZ-104	0 1940 1	20	2035	4 5076 1	161	2381	4 5092 1	156
FZ-107	0 1984 1	22	2059	4 5025 1	141	2387	4 5099 1	162
FZ-108	0 1988 1	23	2064	4 5026 1	159	2391	4 5104 1	153
FZ-109	0 1966 1	21	2065	4 5027 1	149	2394	4 5096 1	161
FZ-301	0 1900 1	262	2069	4 5028 1	154	2681	4 5080 1	152
			2090	4 5029 1	152	2835	4 5054 1	160
<b>GHIBAUDI</b>	<b>IKA</b>	<b>PAGE</b>	2111	4 5082 1	152	2852	4 5055 1	151
30	4 5000 1	139	2120	4 5030 1	154	2907	4 5056 1	151
33	4 5001 1	139	2122	4 5031 1	141	3017	4 5057 1	144
304	4 5081 1	157	2136	4 5090 1	146	3039	4 5058 1	144
0892D	4 4502 0	206	2149	4 5032 1	142	3150	4 5059 1	144
1516	4 5002 1	139	2151	4 2388 0	171	3158	4 5060 1	160
1546	4 5003 1	139	2152	4 5033 1	142	3190	4 5061 1	144
1551	4 5004 1	159	2153	4 5093 1	152	3194	4 5062 1	145
1553	4 5083 1	146	2162	4 5034 1	155	3196	4 5063 1	145
1555	4 5005 1	139	2169	4 5035 1	142	3199	4 5064 1	145
1567	4 5103 1	151	2189	4 5036 1	142	3487	4 2240 0	181
1608	4 5006 1	140	2196	4 5037 1	158	3539	4 6027 1	240
1617	4 5007 1	140	2201	4 5038 1	142	3603	4 4354 0	198
1621	4 5008 1	140	2203	4 5039 1	142	3615	4 4353 0	205
1629	4 5009 1	154	2204	4 5040 1	143	3617	4 4352 0	205
1668	4 5010 1	140	2207	4 5041 1	159	3631	4 4350 0	205
1678	4 5011 1	154	2208	4 5094 1	153	3633	4 4363 0	206
1688	4 5012 1	159	2227	4 5095 1	147	3634	4 4351 0	205
1716	4 5013 1	150	2234	4 5086 1	146	3636	4 4368 0	206
1824	4 5014 1	140	2236	4 5042 1	143	3640	4 4501 0	206
1835	4 5015 1	140	2244	4 5043 1	160	3641	4 4503 0	206
1848	4 5016 1	154	2245	4 5044 1	149	3642	4 4502 0	206
1858	4 2321 1	166	2257	4 5107 1	147	3643	4 4504 0	206
1887	4 5017 1	141	2259	4 5045 1	160	3651	4 4004 0	193
1918	4 5084 1	146	2266	4 5046 1	143	3652	4 4002 0	193
1929	4 5018 1	152	2268	4 2387 0	171	3653	4 4109 0	195
1936	4 5085 1	146	2284	4 5106 1	156	3654	4 4103 0	195
1944	4 5019 1	154	2284	4 5089 1	155	3656	4 4102 0	194

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE
3657	4 4351 0	205	3830	4 4300 0	197	6051	4 5068 1	161
3658	4 4113 0	195	3831	4 4301 0	197	6066	4 5069 1	149
3659	4 4000 0	193	3843	4 4306 0	197	6070	4 5108 1	162
3660	4 4011 0	193	3844	4 4308 0	197	6089	4 5070 1	145
3662	4 4002 0	193	3847	4 4307 0	197	6090	4 5071 1	161
3664	4 4109 0	195	3852	4 4300 0	197	6093	4 5088 1	161
3666	4 4012 0	193	3906	4 4403 0	201	6094	4 5097 1	161
3667	4 4104 0	195	3909	4 4417 0	201	6098	4 5072 1	155
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

HITACHI	IKA	PAGE	HITACHI	IKA	PAGE	HITACHI	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

INA	IKA	PAGE	INA	IKA	PAGE	INA	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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F-232030.03	3 5345 1	324	F-233197.2	3 3557 1	311	F-235492.2	3 5331 1	322
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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F-576346	3 5323 1	320	HK 1816	8 8983 0	217	17 120 057	4 4302 0	197
F-577572	3 5418 1	334	HK 2012	8 8986 0	217	17 120 203	4 4304 0	197
F-579125	3 5436 1	336	HK 2212	8 8671 0	215	18 100 021	4 5000 1	139
F-580007	3 5457 1	338	HK 2216 2RS	8 8665 0	215	18 100 098	4 5001 1	139
F-580303	3 5449 1	337	HK 2220	8 8987 0	217			
F-580452	3 5487 1	343	HK 2512	8 8989 0	217	<b>LCL</b>	<b>IKA</b>	<b>PAGE</b>
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F-582200	3 5462 1	338	SCE 116	8 8681 0	216	200 601	4 4062 0	194
F-583172	3 5342 1	323	SCE 1210 B	8 8275 0	214	200 602	4 4032 0	193
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HK 0808	8 8674 0	215	16 905 226	0 1132 1	5	200 623	4 4300 0	197
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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200 641	4 4456 0	202	200 927	4 4263 0	205	CPB1015B	7 7115 1	73
200 642	4 4456 0	202	200 929	4 4363 0	206	CPB1018H	7 7140 1	118
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LITENS	IKA	PAGE	LITENS	IKA	PAGE	LUCAS	IKA	PAGE
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920046	3 5505 1	353	920975	3 5443 1	350	54246896	4 5055 1	151
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920514	3 5501 1	353				54293455	4 5075 1	151
920538	3 5377 1	348	<b>LUCAS</b>	<b>IKA</b>	<b>PAGE</b>	54295155	4 5056 1	151
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920575	3 3599 0	360	227 541	0 1553 1	270	60 600 196	0 1620 1	38
920583	3 3588 1	346	253 316	4 4403 0	201	60 600 220	0 1622 1	38
920599	3 5364 1	347	256 112	4 4417 0	201	60 600 298	0 1622 1	38
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920615	3 3594 1	346	271 735	0 1608 1	37	60 600 688	0 1613 1	37
920617	3 3597 0	360	271 735-1	0 1609 1	37	60 600 735	4 4697 1	229
920629	3 3572 1	345	54 160 827	8 8200 0	213	60 600 767	0 1621 1	38
920650	3 5370 1	348	54 202 906	0 1570 1	270	60 600 849	0 1615 1	37
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920726	3 5415 1	349	54 216 361	0 1558 1	270	TAB 113	0 1622 1	38
920731	3 5367 1	347	54 218 706	0 1560 1	270	TAB 116	0 1620 1	38
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920755	3 3592 1	346	54 244 848	0 1617 1	37	TAB 119	0 1614 1	37
920782	3 5448 1	351	54 244 979	0 1618 1	38	TAB 120	0 1609 1	37
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LUCAS	IKA	PAGE	LUK	IKA	PAGE	LUK	IKA	PAGE
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TAJ 401	0 1966 1	21	5350013	3 3518 1	305	5350070	3 3562 1	345
TAJ 403	0 1984 1	22	5350014	3 3527 1	307	5350071	3 3572 1	345
TAJ 405	0 1991 1	23	5350015	3 3529 1	307	5350072	3 3576 1	314
TAJ 407	0 1988 1	23	5350016	3 3531 1	308	5350073	3 3532 1	308
TAJ 409	0 1985 1	22	5350018	3 3548 1	310	5350074	3 3590 1	317
TAJ 410	0 1984 1	22	5350019	3 3576 1	314	5350075	3 3584 1	316
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TCB 114	4 4400 0	201	5350021	3 3547 1	310	5350077	3 3587 1	316
TCB 116	4 4697 1	229	5350022	3 3527 1	307	5350078	3 3561 1	312
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UAB 101	1 2041 0	297	5350035	3 3549 1	311	5350086	3 5314 1	319
UAB 102	1 2040 0	297	5350036	3 3559 1	311	5350087	3 5319 1	320
UAB 104	1 2040 0	297	5350037	3 3563 1	312	5350088	3 5309 1	318
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ULB 110	0 1561 1	270	5350039	3 3532 1	308	5350090	3 5331 1	322
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UMB 115	8 8277 0	214	5350041	3 3577 1	315	5350092	3 5349 1	325
UMB 120	8 8210 0	379	5350042	3 3568 1	313	5350093	3 5351 1	325
UMB 129	8 8277 0	214	5350043	3 5356 1	326	5350094	3 5418 1	334
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LUK	IKA	PAGE	LUK	IKA	PAGE	LUK	IKA	PAGE
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5350119	3 5334 1	322	5350176	3 5456 1	337	5350224	3 5464 1	339
5350120	3 3588 1	346	5350177	3 5411 1	333	5350225	3 5471 1	340
5350121	3 5337 1	322	5350178	3 5419 1	335	5350226	3 5497 1	343
5350123	3 5342 1	323	5350179	3 5410 1	333	5350227	3 5482 1	342
5350124	3 5344 1	324	5350180	3 5395 1	332	5350228	3 5481 1	342
5350127	3 5307 1	318	5350181	3 5396 1	332	5350229	3 5470 1	340
5350128	3 5338 1	323	5350182	3 5397 1	332	5350230	3 5460 1	351
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LUK	IKA	PAGE	MARELLI / FIAT	IKA	PAGE	MARELLI / FIAT	IKA	PAGE
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7110200	3 3554 0	359	54293455	4 5075 1	151	773 647 21	3 3596 1	346
7110201	3 3553 0	359	54294771	4 5094 1	153	773 647 23	3 5390 1	331
7110202	3 3554 0	359	54295155	4 5056 1	151	773 647 97	3 5456 1	337
7110213	3 5350 0	360	551 862 80	3 3580 1	315	773 651 21	7 7536 1	98
7120721	8 4098 0	212	551 963 01	3 5403 1	333	773 652 71	3 5453 1	337
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7170002	8 8684 0	216	631 870 51	4 2247 0	185	790 522 75	8 8983 0	217
7170003	8 8133 0	366	632 235 37	4 4316 0	197	798 500 03	8 8693 0	216
7170013	8 8693 0	216	672 541	4 4302 0	197	798 500 07	8 8983 0	217
7170015	8 4097 0	212	708 040 60	8 4096 0	211	822 563 22	8 8983 0	217
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7170017	8 8663 0	214	721 641 02	7 7396 1	121	832 204 61	7 7193 1	120
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<b>MARELLI / FIAT</b>	<b>IKA</b>	<b>PAGE</b>						
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4 047 985	4 4305 0	197	752 069 99	8 8693 0	216	855 613 81	3 5403 1	333
4 114 431	4 4300 0	197	773 625 58	3 3573 1	314	855 627 51	3 3540 1	309
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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9 927 787	4 4306 0	197	A252C559FE	3 5466 1	339	M001T50471	0 1990 1	45
9 927 789	4 4307 0	197	A252C564FE	3 5411 1	333	M135C00171	4 2228 0	187
9 927 796	4 4308 0	197	A252C566FD	3 5480 1	342	M135X00871	4 2228 0	187
9 938 368	4 4300 0	197	A252C574FD	3 5418 1	334	M191T12070	4 5016 1	154
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

MELCO	IKA	PAGE	MELCO	IKA	PAGE	MELCO	IKA	PAGE
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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57341	3 5478 1	341	59952	3 3592 1	346	6003 2RSC3	8 8213 0	379
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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6006 2RS1	8 8216 7	377	6302 2RSH	8 8236 7	377	052 123	4 4353 0	205
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607 2RS1	8 8148 7	377	6304 2RSC3	8 8134 0	369	068 412	4 4264 0	205
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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105 299	1 3682 0	397	182 194	0 1355 1	61	191335	7 7146 1	132
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105 465	8 8118 0	213	182047	4 5004 1	159	191548	4 5096 1	161
105 715	4 4372 0	206	182176	4 5012 1	159	191601	4 5053 1	160
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180827	4 5012 1	159	184530	4 5012 1	159	191822	7 7148 1	132
181 961	7 7150 1	132	184917	4 5060 1	160	192 984	7 7149 1	132
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182 050	4 4663 1	234	185 468	8 2260 0	209	192929	4 5071 1	161
182 051	0 1776 1	56	185 936	8 4079 0	210	193 288	7 7146 1	132
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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594 125	0 1777 1	58	594617	4 6009 1	251	600 628	4 4263 0	205
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594 165	0 1777 1	58	594699	4 5099 1	162	604 521	4 4354 0	198
594 169	0 1768 1	58	594706	7 7604 1	134	604 541	4 4259 0	205
594 174	0 1777 1	58	594725	4 5097 1	161	606 384	0 1361 1	62
594 179	0 1777 1	58	594729	4 5067 1	160	607 084	0 1363 1	62
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594 351	7 7159 1	133	595203	3 5307 1	318	618 481	0 1355 1	61
594 360	0 1778 1	59	595210	3 5347 1	325	618 491	0 1361 1	62
594 381	7 7165 1	133	595226	3 5333 1	322	618 509	0 1354 1	61
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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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75 707	0 1769 1	56
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92 433	0 1760 1	55
92 435	0 1757 1	55
92 655	0 1757 1	55
92 656	0 1760 1	55
92 694	0 1759 1	55
92 695	0 1759 1	55
92 744	0 1746 1	54
92 824	0 1760 1	55
92 878	0 1766 1	55
92 914	0 1770 1	56
92 925	0 1769 1	56
D6RA CE	4 4503 0	206
D6RA DE	4 4501 0	206
D6RA DS	4 4504 0	206
D6RA IM	4 4502 0	206
D6RA10	0 3818 1	232
D6RA8	0 3818 1	232
D7RA IM	4 4505 0	206
NE184	4 5054 1	160
NE209	4 5004 1	159
NE776	4 5012 1	159
NE832	4 5012 1	159
NE834	4 5020 1	159
NE878	4 5045 1	160
NE879	4 5076 1	161
NE883	4 5004 1	159
NE949	4 5026 1	159
SG12B123	3 3533 1	308
TG15C128	3 3533 1	308
TG15C153	3 3533 1	308



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE
0 1100 1	BSX 12	3	0 1180 1	BSX 186-187	11	0 1524 1	FX 75	30
0 1102 1	BSX 33	3	0 1183 1	BSX 190-191	11	0 1523 1	FX 76-77	31
0 1103 1	BSX 34	3	0 1184 1	BSX 192-193	11	0 1800 1	HPIX 1 mot. directio	66
0 1104 1	BSX 35	3	0 1186 1	BSX 194-195	11	0 1795 1	HX 3	63
0 1105 1	BSX 39	3	0 1187 1	BSX 196	12	0 1785 1	HX 6 (2)	63
0 1106 1	BSX 43 (4)	3	0 1170 1	BSX 197	12	0 1794 1	HX 16	63
0 1107 1	BSX 44 (4)	4	0 1188 1	BSX 200-201	12	0 1796 1	HX 26	63
0 1121 1	BSX 70	4	0 1178 1	BSX 202-203	12	0 1793 1	HX 54	63
0 1123 1	BSX 74	4	0 1197 1	BSX 204-205	12	0 1786 1	HX 56 (2)	63
0 1124 1	BSX 75	4	0 1091 1	BSX 210-211	13	0 1798 1	HX 106	64
0 1125 1	BSX 76	4	0 1092 1	BSX 212-213	13	0 1797 1	HX 109	64
0 1130 1	BSX 93	5	0 1094 1	BSX 216-217	13	0 1790 1	HX 116	64
0 1132 1	BSX 96	5	0 1095 1	BSX 218-219	13	0 1791 1	HX 124	64
0 1136 1	BSX 100	5	0 1096 1	BSX 220-221	14	0 1788 1	HX 155	64
0 1138 1	BSX 102	5	0 1220 1	BSX 222-223	14	0 1799 1	HX 161	64
0 1140 1	BSX 104 (2)	5	0 1034 1	BX 68 (4)	255	0 1789 1	HX 172	65
0 1147 1	BSX 134-144	5	0 1035 1	BX 104 (2)	255	0 1792 1	HX 341	65
0 1148 1	BSX 135-145	6	0 1043 1	BX 140 (4)	255	0 1787 1	HX 346	65
0 1149 1	BSX 137-143	6	0 1044 1	BX 151	255	0 1907 1	JA-AX 5-8	262
0 1150 1	BSX 138-142	6	0 1075 1	BX 165	255	0 1900 1	JA-AX 9	262
0 1151 1	BSX 139	6	0 1048 1	BX 169	255	0 1899 1	JA-AX 10	262
0 1152 1	BSX 140	6	0 1051 1	BX 182	256	0 1901 1	JA-AX 12	267
0 1154 1	BSX 146	6	0 1052 1	BX 185	256	0 1904 1	JA-AX 15	273
0 1155 1	BSX 147	7	0 1079 1	BX 188	256	0 1902 1	JA-AX 16	273
0 1156 1	BSX 148	7	0 1069 1	BX 192 (4)	257	0 1911 1	JA-AX 18	273
0 1157 1	BSX 149	7	0 1084 1	BX 198	257	0 1906 1	JA-AX 19	267
0 1158 1	BSX 151	7	0 1081 1	BX 199	257	0 1905 1	JA-AX 20	267
0 1159 1	BSX 151/0	7	0 1061 1	BX 202	257	0 1910 1	JA-AX 24	273
0 1162 1	BSX 152	7	0 1086 1	BX 203	258	0 1911 1	JA-AX 25	273
0 1164 1	BSX 155	8	0 1062 1	BX 204	258	0 1917 1	JA-AX 28	262
0 1165 1	BSX 157-158	8	0 1063 1	BX 208	259	0 1905 1	JA-AX 29	267
0 1167 1	BSX 157-158 K	8	0 1066 1	BX 209	259	0 1909 1	JA-AX 31	274
0 1166 1	BSX 159-160	8	0 1065 1	BX 213	259	0 1912 1	JA-AX 32	268
0 1168 1	BSX 163-164	9	0 1067 1	BX 214	260	0 1913 1	JA-AX 33	263
0 1169 1	BSX 165	9	0 1068 1	BX 215	260	0 1914 1	JA-AX 34	274
0 1173 1	BSX 166	9	0 1064 1	BX 216	260	0 1915 1	JA-AX 35	263
0 1171 1	BSX 170-171	9	0 1082 1	BX 219	260	0 1916 1	JA-AX 36	274
0 1172 1	BSX 172-173	9	0 1083 1	BX 220	260	0 1903 1	JA-AX 36 ST	274
0 1194 1	BSX 172-173-174	10	0 1526 1	FX 67	266	0 1918 1	JA-AX 37	268
0 1175 1	BSX 174-175	10	0 1527 1	FX 70-71	30	0 1919 1	JA-AX 38	263
0 1174 1	BSX 177	10	0 1528 1	FX 70-72	30	0 1920 1	JA-AX 39	269
0 1176 1	BSX 178-179	10	0 1529 1	FX 73	30	0 1943 1	JA-SX 1	67
0 1088 1	BSX 184-185	10	0 1530 1	FX 74	30	0 1946 1	JA-SX 2	67
0 1179 1	BSX 186	11	0 1522 1	FX 74-78	30	0 1955 1	JA-SX 10-11	20

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE
0 1940 1	JA-SX 14 (4)	20	0 1984 1	JA-SX 84	22	0 1492 1	JSX 74-75-76-77	29
0 1942 1	JA-SX 15-6 (4)	32	0 1985 1	JA-SX 85	22	0 1493 1	JSX 73 (4)	29
0 1945 1	JA-SX 22 (4)	20	0 1986 1	JA-SX 86-87	22	0 1410 1	JX 22	264
0 1979 1	JA-SX 24-25	47	0 1988 1	JA-SX 88	23	0 1413 1	JX 26	264
0 1978 1	JA-SX 26-27	32	0 1991 1	JA-SX 89	23	0 1415 1	JX 30-31	264
0 1949 1	JA-SX 29	42	0 1989 1	JA-SX 90	45	0 1417 1	JX 32	264
0 1952 1	JA-SX 31	32	0 1990 1	JA-SX 91	45	0 1433 1	JX 42	264
0 1951 1	JA-SX 32-33	32	0 1992 1	JA-SX 92-93 12V	35	0 1434 1	JX 43	265
0 1934 1	JA-SX 34-30	32	0 1993 1	JA-SX 94-95 24V	36	0 1435 1	JX 44	265
0 1935 1	JA-SX 35	20	0 1995 1	JA-SX 96-97 24V	45	0 1608 1	LASX 15-16	37
0 1937 1	JA-SX 36-37	32	0 1994 1	JA-SX 98-99 12V	46	0 1609 1	LASX 15-27	37
0 1936 1	JA-SX 38	42	0 1922 1	JA-SX 110-111	46	0 1613 1	LASX 30-31-32	37
0 1938 1	JA-SX 39	20	0 1345 1	JASX107	68	0 1614 1	LASX 31	37
0 1939 1	JA-SX 39 C	21	0 1451 1	JSX 5	24	0 1615 1	LASX 36	37
0 1953 1	JA-SX 40-41	42	0 1454 1	JSX 9	24	0 1617 1	LASX 40-41	37
0 1954 1	JA-SX 42-43	42	0 1457 1	JSX 13 (4)	24	0 1618 1	LASX 42	38
0 1941 1	JA-SX 44-28	42	0 1455 1	JSX 14	24	0 1628 1	LASX 43-44 w.	38
0 1956 1	JA-SX 45-46	43	0 1459 1	JSX 16	24	0 1619 1	LASX 43-44/0	38
0 1957 1	JA-SX 47-48	43	0 1462 1	JSX 19	24	0 1622 1	LASX 43-47-48	38
0 1948 1	JA-SX 49-61	33	0 1464 1	JSX 21-22	25	0 1620 1	LASX 44-45	38
0 1961 1	JA-SX 50-51	33	0 1466 1	JSX 23-24-28	25	0 1621 1	LASX 73-41	38
0 1962 1	JA-SX 52	21	0 1467 1	JSX 25-22	25	0 1550 1	LAX 9	270
0 1963 1	JA-SX 53	21	0 1468 1	JSX 26-27	25	0 1553 1	LAX 23	270
0 1964 1	JA-SX 54-55	33	0 1469 1	JSX 29-30	25	0 1558 1	LAX 29	270
0 1959 1	JA-SX 56-3	33	0 1470 1	JSX 31-32	25	0 1560 1	LAX 31	270
0 1958 1	JA-SX 56-3/0	34	0 1471 1	JSX 33-34	26	0 1561 1	LAX 31-32	270
0 1960 1	JA-SX 57-58	34	0 1472 1	JSX 35-36	26	0 1573 1	LAX 86	271
0 1950 1	JA-SX 59-60	34	0 1473 1	JSX 35-37	26	0 1662 1	MASX 3	40
0 1965 1	JA-SX 62	21	0 1474 1	JSX 38-39-40 (3)	26	0 1663 1	MASX 13-14	40
0 1966 1	JA-SX 63	21	0 1482 1	JSX 38-40-58 (4)	26	0 1664 1	MASX 15-16	40
0 1968 1	JA-SX 64-65-67	34	0 1475 1	JSX 38-41	26	0 1665 1	MASX 17-18	40
0 1969 1	JA-SX 66-67	34	0 1476 1	JSX 38-42	27	0 1666 1	MASX 19-20	40
0 1976 1	JA-SX 68-73	43	0 1477 1	JSX 40-46-47 (4)	27	0 1668 1	MASX 21-22	40
0 1970 1	JA-SX 69-70 (3)	43	0 1478 1	JSX 43-45-44 (4)	27	0 1669 1	MASX 23-24	41
0 1971 1	JA-SX 69-70 (4)	44	0 1483 1	JSX 43-45-57 (3)	27	0 1670 1	MASX 25-26	41
0 1967 1	JA-SX 70	44	0 1479 1	JSX 48-49-50 (3)	27	0 1671 1	MASX 27-28	41
0 1973 1	JA-SX 71	44	0 1484 1	JSX 50-55-56 (3)	27	0 1690 1	PLSX 3	48
0 1972 1	JA-SX 71-72	44	0 1480 1	JSX 51-52 (2)	28	0 1691 1	PLSX 4	48
0 1975 1	JA-SX 74	35	0 1485 1	JSX 51-52-59 (3)	28	0 1689 1	PLSX 5	48
0 1974 1	JA-SX 74-75	35	0 1486 1	JSX 51-52-63 (4)	28	0 1692 1	PLX 10	275
0 1977 1	JA-SX 77-78	21	0 1481 1	JSX 53-54	28	0 1693 1	PLX 11	275
0 1982 1	JA-SX 80-81	35	0 1487 1	JSX 61-62-63 (4)	28	0 1688 1	PLX 5	275
0 1981 1	JA-SX 82-83 (3)	45	0 1490 1	JSX 70-71	29	0 1738 1	PSX 55-76	54
0 1983 1	JA-SX 82-83 (4)	45	0 1491 1	JSX 72-73 Denso	29	0 1741 1	PSX 64-70 (2)	54

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE
0 1746 1	PSX 81-82	54	0 1286 1	RX 96 (R 120)	49
0 1750 1	PSX 83-84	54	0 1266 1	RX 103	276
0 1756 1	PSX 88	54	0 1268 1	RX 103 E	276
0 1755 1	PSX 112	55	0 1267 1	RX 103 F	276
0 1757 1	PSX 115-116	55	0 1269 1	RX 106	276
0 1759 1	PSX 115-116-121	55	0 1270 1	RX 117	276
0 1760 1	PSX 119-120	55	0 1250 1	RX 120 (2)	50
0 1766 1	PSX 129	55	0 1291 1	RX 120 (3)	50
0 1770 1	PSX 131	56	0 1251 1	RX 120 (4)	50
0 1769 1	PSX 132	56	0 1295 1	RX 120/0 (4)	50
0 1770 1	PSX 133	56	0 1280 1	RX 122	50
0 1763 1	PSX 133 K	56	0 1256 1	RX 122H	50
0 1771 1	PSX 136-137	56	0 1281 1	RX 124	51
0 1775 1	PSX 138-139 (2)	56	0 1257 1	RX 124H	51
0 1776 1	PSX 140-141 (4)	56	0 1290 1	RX 132-133	276
0 1779 1	PSX 142-143	57	0 1282 1	RX 134	51
0 1752 1	PSX 142-144	57	0 1259 1	RX 134H	51
0 1754 1	PSX 142-145	57	0 1283 1	RX 135	52
0 1783 1	PSX 146-147 w/o.	57	0 1260 1	RX 135H	52
0 1773 1	PSX 148-149 w/o.	57	0 1263 1	RX 140-141	277
0 1774 1	PSX 148-149/0	58	0 1261 1	RX 142-143	277
0 1777 1	PSX 148-157 w/o.	58	0 1254 1	RX 419-420	52
0 1768 1	PSX 148-158 w/o.	58	0 1781 1	SVX 7	279
0 1778 1	PSX 148-159 w/o.	59	0 1781 1	SVX 9	279
0 1780 1	PSX 152-153	59			
0 1727 1	PSX 155 (3)	59			
0 1728 1	PSX 155 (4)	59			
0 1726 1	PSX 156 (4)	59			
0 1735 1	PSX 160-164 D7G	60			
0 1737 1	PSX 161	60			
0 1743 1	PSX 166-167	60			
0 1744 1	PSX 168-167	60			
0 1745 1	PSX 169-170	60			
0 1747 1	PSX 89-90	55			
0 1710 1	PX 50	278			
0 1712 1	PX 52-54	278			
0 1717 1	PX 58	278			
0 1719 1	PX 60	278			
0 1720 1	PX 61	278			
0 1284 1	RX 60	49			
0 1285 1	RX 70 (4)	49			
0 1287 1	RX 87	49			
0 1296 1	RX 92	49			
0 1288 1	RX 95	49			