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EDITION

2014/2015

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Neue Teile  
New parts  
Nouveaux produits

= **NEW**

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Zur einfachen Abwicklung Ihrer Aufträge verwenden Sie bitte auch bei Kohlebürsten die sechsstellige EDV-Nummer anstatt der Euro-Referenz (0 1165 1 = BSX 157-158). Sie finden diese im Kapitel "Kohlebürsten" unter der bekannten Euro-Referenz grau hinterlegt.

For a convenient handling of your orders we would like to ask you to use the six-digit IKA-Partnumber also for orders of carbon brushes instead of the Euro-reference (0 1165 1 = BSX 157-158). You can find this Partnumber at the chapter "carbon brushes", marked in grey.

0

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1165

Part-No.

1

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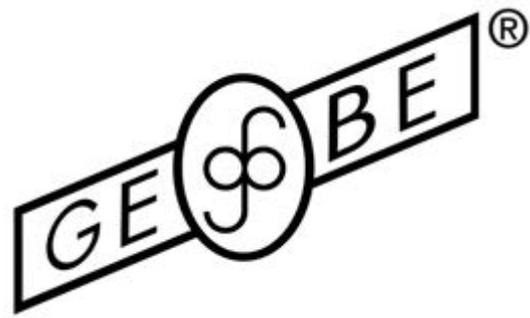
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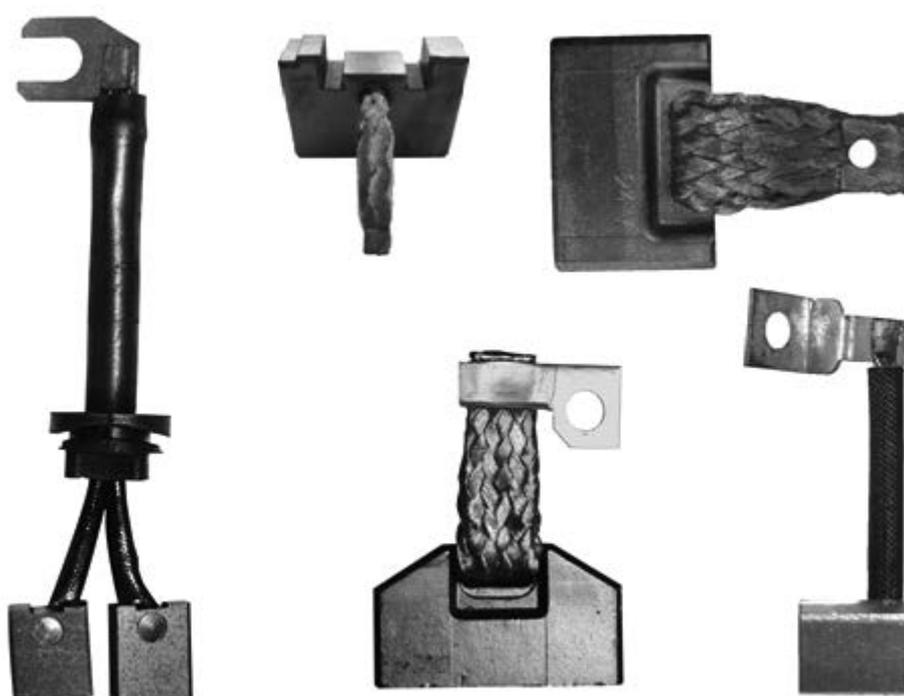
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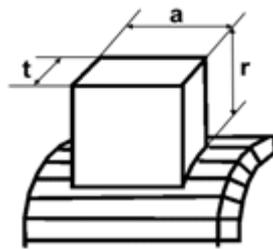
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KOHLEBÜRSTEN

CARBON BRUSHES

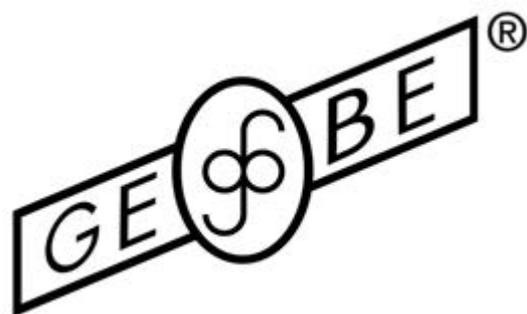
BALAIS EN CHARBON





Starter

$\frac{t \times a \times r}{10 \times 20 \times 20\text{mm}}$



	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	9 x 13 x 25,5	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 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
	4-BS 12		2 004 320 006		
	<b>BSX 33</b> <b>P/N 0 1102 1</b>	Bosch	2 007 014 020 1 007 014 106	9 x 20 x 28,5	0 001 400 016,401051 401 051 BNG 2,5/12 4/12 Volt
	4-BS 33		2 004 320 066		
	<b>BSX 34</b> <b>P/N 0 1103 1</b>	Bosch	2 007 014 021 1 007 014 107	9 x 20 x 28,5	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		
	<b>BSX 35</b> <b>P/N 0 1104 1</b>	Bosch	2 007 014 013,047 1 007 014 109	12 x 20 x 28,5	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		
	<b>BSX 36</b> <b>P/N 0 1099 1</b>	Bosch	1 007 014 105	12 x 36 x 30	0 001 501 001-3,5,6,13,14,19,24,31,32,34,35,38,41 QD 24V 5,5 KW 24 Volt
	4-BS 36		2 004 320 053		
	<b>BSX 39</b> <b>P/N 0 1105 1</b>	Bosch	2 007 014 002	9 x 13 x 25,5	0 001 355 009,11,13,15-17,19,20 EJD 1,8/24 24 Volt
	4-BS 39		2 004 320 008		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 43 (4)</b> <b>P/N 0 1106 1</b>	Bosch	1 007 014 101,123 1 107 014 110	7 x 16 x 22	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		
	<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 EJD 3/12 JD(R) 3.2 kw 12 Volt
	4-BS 44		2 004 320 074,080,085		
	<b>BSX 59 (2)</b> <b>P/N 0 1112 1</b>	Bosch	1 007 014 112,117 2 007 014 030	7 x 16 x 18	0 001 208 001,14,30 209 014 211 001-3,5,6,10,12,13,17,18,20,22,23,26 212 002,5,6 217 001 311 020-24,28,30 9 000 042 027 EF(L/R) 0,7/0,8/12 EB(L), EEF 0,8/12 Volt
	2-BS 59		1 004 320 125 2 004 320 154		
	<b>BSX 62</b> <b>P/N 0 1118 1</b>	Bosch	2 007 014 011	10 x 25 x 23	0 001 359 001,4,6-8,11-14,16,18,19,21, 024-26,28,30,31,33-35 9 000 143 000-2 IDR 12V28 JD(R) 4/12 Volt
	4-BS 62	see	2 004 320 203 MASX 24		
	<b>BSX 67</b> <b>P/N 0 1119 1</b>	Bosch	2 007 014 012	8 x 25 x 23	0 001 360 002-5,8,9,12,13,20 JD 4/24 Volt
	4-BS 67	see	2 004 320 141,207 MASX 22		
	<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 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
	4-BS 70		2 004 320 026,098 1 004 320 902		

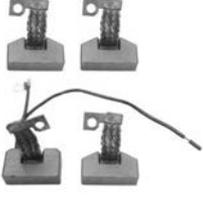
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 74</b>			
		<b>P/N 0 1123 1</b> Bosch	2 007 014 000,024 1 007 014 102,103		0 001 100 003,004 101 004 102 003-006,009 104 005,007 105 002,003 154 001,005,007 155 001-004,006,008-010,014-016 157 010 158 001,002,008,009
	4-BS 74		2 004 320 043,044	7 x 14 x 17,5	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		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,
	4-BS 75		1 004 320 076,126,900 2 004 320 172,173,180	7 x 10 x 18	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
		<b>BSX 76</b>			
		<b>P/N 0 1125 1</b> Bosch	1 007 014 119,121,127,129,134		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	7 x 16 x 18	
		<b>BSX 93</b>			
		<b>P/N 0 1130 1</b> Bosch	2 007 014 016		0 001 363 001,101 JF(R)2.8PS/2.6kw 24 Volt
	4-BS 93		2 004 320 122,125,127	9 x 16 x 25,5	

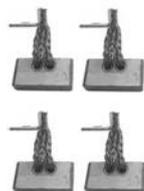
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 96</b> <b>P/N 0 1132 1</b>	Bosch	2 007 014 044,050,052 2 007 014 056,064	10 x 25 x 23	0 001 358 200-2 359 001-4,6-8,10-14,16,18-21,23-41, 043-51,53-69,71-76,81-92,94-102 104-114,117-119,122,124 365 004-008 9 000 143 107,1099-111 JD(R) 3.0/3.7kw,4PS 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 1 007 014 038,113,114, 1 007 014 118,122 1 004 320 082/127	7 x 16 x 18	0 001 208 009,13,24-26,31-33,58,59,61 211 001,2,4,16,21,23-25 215 001 311 001,7,14,16,26,27,32,38,39,45,48 313 001,3-5 EF/GF(R) 0.85 kw 1 PS 12 Volt
	<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
	<b>BSX 135-145</b> <b>P/N 0 1148 1</b>	Bosch	2 007 014 063 2 004 320 103 2 004 320 104 Replacement for BSX 198-199	8 x 25 x 17 8 x 25 x 17	0 001 368 001-088 300-321 300-321 369 011 9 000 143 600-04 JF(R) 4.0 kw 24 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<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	2 004 320 294,296	9 x 16 x 17	
		2-BS 143	2 004 320 295,297	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
		2-BS 138	2 004 320 298	9 x 16 x 15,5	JF(L) 3.2 kw
		2-BS 142	2 004 320 299	9 x 16 x 15,5	JF(R) 2.6/3.2 kw 24 Volt
		<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
		4-BS 140	1 004 320 910	7 x 16 x 15	GF(R) 1,7 KW 12 Volt
			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
		4-BS 146	1 004 320 911	7 x 10 x 14	EF(L/R) 0.8 kw 12 Volt
			Alternative Brush Set	BSX 149 w/o. clip	
		<b>BSX 147</b>			
		<b>P/N 0 1155 1</b> Bosch Caterpillar	2 007 014 067 3T0844		0 001 420 001-15,24-29 3T4583,6 Caterpillar KE(R) 7,5 KW 24 Volt
		4-BS 147	2 004 320 017	10 x 36 x 27	

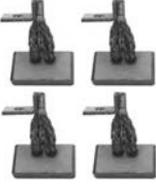
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 148</b>				
	<b>P/N 0 1156 1</b>	Bosch	2 007 014 008,048,061, 2 007 014 070,074		0 001 410 029,062 416 001-40,42-77 417 001-74
	4-BS 148		2 004 320 285	12 x 36 x 27	KB(L/R) 5.4-6.6 kw KB(L/R) 5.4-6.6 kw 24 Volt
			Alternative Brush Set	BSX 172-173	
	<b>BSX 149</b>				
	<b>P/N 0 1157 1</b>	Bosch	1 007 014 139,141,145		0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36
	4-BS 149		1 004 320 101,102,103	7 x 10 x 14	9 000 333 104,06,09,14,17,20,21 EF(L/R) 5.4-6.6 kw 12 Volt
			Alternative Brush Set	BSX 146 with clip	
	<b>BSX 151</b>				
	<b>P/N 0 1158 1</b>	Bosch	1 007 014 143		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
	4-BS 151		1 004 320 912 9 003 334 315, 338	7,5 x 18 x 17/19	EB(L/R) 1.9/2.2.4 kw EV(L/R) 1.9/2.2/2.4 kw 12 Volt
			Alternative Brush Set	BSX 151/0 w/o. clip	
	<b>BSX 151/0</b>				
	<b>P/N 0 1159 1</b>	Bosch	1 007 014 143 w/o. clip		
	4-BS 151/0		1 004 320 112	7,5 x 18 x 17/19	
			Alternative Brush Set	BSX 151 with clip	
	<b>BSX 152</b>				
	<b>P/N 0 1162 1</b>	Bosch	1 007 014 144		0 001 317 014,15,20,21 GF(L) 1.7 kw 12 Volt
	4-BS 152		1 004 320 106	7 x 16 x 15	
			Alternative Brush Set	BSX 140 with clip	
	<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-BS 155L		2 004 320 135,137 2 004 320 136,149 insulated	10 x 25 x 15 10 x 25 x 15	
			Alternative Brush Set for	BSX 134-144 BSX 163-164 with terminals	

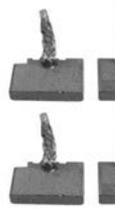
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 157-158</b> <b>P/N 0 1165 1</b>	Bosch	6 x 18 x 13/14,5 6 x 18 x 13/14,5 flex 4.0 mm <sup>2</sup>	0 001 109 001-008,11,12,14,15,17, 018,21-23,25,26,28-31, 033-036,40-45,47-49,52, 055,56,59-63 200,201,253 110 001-005,07-15,17-19,22-33 39-49,51,53,55-71,73,75-85, 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 2-BS 158	1 004 320 135,143,148,166,218 1 004 320 134,142,149,165,219	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	6 x 18 x 11/12,5 6 x 18 x 11/12,5 flex 4.0 mm <sup>2</sup>	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 2-BS 158K	1 004 320 171,174,221,222 172,173,220,223	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	5 x 16 x 11,5/13 flex 4.0 mm <sup>2</sup> 5 x 16 x 11,5/13 flex 4.0 mm <sup>2</sup>	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 2-BS 160	1 004 320 133,140,146,167, 224,226 1 004 320 132,141,147,168 225,227	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	
	<b>BSX 163-164</b> <b>P/N 0 1168 1</b>	Bosch	10 x 25 x 15 10 x 25 x 15	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, 061,63,65,66,68-82 300-03, 369 002,04-07,12-25, 200,01 9 000 143 416 JF(R) 3.0/3.1/3.6 kw 12 Volt
	2-BS 163 2-BS 164	2 004 320 108,198 2 004 320 109,199	Alternative Brush Set	BSX 155 w/o. terminal

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 165</b>			
		<b>P/N 0 1169 1</b> Bosch	9 003 337 001		0 001 219 001-017,112 9 000 331 201,203 332 401,402,405,406 EV (R/L) 2,5 KW 24 Volt
	4-BS 165		9 003 334 321	7,5 x 18 x 17/19	
		<b>BSX 166</b>			
		<b>P/N 0 1173 1</b> Bosch			0 001 112 003-29,32-39,41,44,45 113 001-15,17 114 003-06,08-10,14-17,20-22 133 003,04 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
	4-BS 166		1 004 320 136/F 000 AL1 658	5 x 12 x 11,6	
			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 9 000 081 094 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 JD(R) 5,2 KW JE(R) 6,2 KW JF(R) 4,8 KW 24 Volt
	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	
			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, 059-66,68-80,83 417 001,02,05-07,10,11,13, 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 KB(R) 3.6/5.4/5.5/6.6 kw 24 Volt
	2-BS 172 2-BS 173		2 004 320 244 2 004 320 245	12 x 36 x 19 12 x 36 x 19	
			Replacement for	BSX 148	
		<b>BSX 172-173-174</b>			
		<b>P/N 0 1194 1</b> Bosch Volvo	2 007 014 084 3093273		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		2 004 320 244 2 004 320 245 2 004 320 249	12 x 36 x 19 12 x 36 x 19 12 x 36 x 21	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 175-176</b> <b>P/N 0 1175 1</b> Bosch	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>	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			
	<b>BSX 177</b> <b>P/N 0 1174 1</b> Bosch	2 007 014 082 9 001 453 644  2 004 320 271  Brush Holder 2 004 336 077,078	9 x 36 x 18	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			
	<b>BSX 178-179</b> <b>P/N 0 1176 1</b> Bosch	2 007 014 080  2 004 320 240 2 004 320 241	12 x 36 x 19 12 x 36 x 19	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			
	<b>BSX 184-185</b> <b>P/N 0 1088 1</b> Bosch	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>	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			
	<b>BSX 186</b> <b>P/N 0 1179 1</b> Bosch	2 007 014 014,017  2 004 320 176,178	12 x 40 x 27	0 001 510 001-003,005,008-010,017-028, 030-036,038-041 512 001,002 QB / QF(R) 9.0 kw 24 Volt
	4-BS 186			

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 186-187</b>			
		<b>P/N 0 1180 1</b> Bosch	2 007 014 083		0 001 510 029,037 QB(R) 9,0 KW 24 Volt
		3-BS 186	2 004 320 176	12 x 40 x 27	
		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, 6 033 AD1 158	6 x 22 x 13 / 15	763-68,70-72,74,76,77
		2-BS 193	6 033 AD0 012, 6 003 AD1 159	6 x 22 x 13 / 15	805,08,09,12,14-22
		Brush Holder:	6 033 AD0 014,159-161,221,368,		0 001 223 001-14,16,18,19,21,22,56
			401,404,407,409,411,		500-507
			AD1 155,244,246,250,252,		EV(L/R) 2,3 kw
			255,259,294,311,349,		EV(R) 2,6 kw 12 Volt
			350		
		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		
		<b>BSX 196</b>			
		<b>P/N 0 1187 1</b> Bosch			0 001 116 001,003-006,008,009
		4-BS 196	1 004 320 158	5 x 8.5 x 10.5/11.5	DM(R/L) 0.7 kw 12 Volt
		Brush Holder:	1 004 336 822,838,854,856,861		
			F 000 AL1 921,		
			F 000 AL2 050-052		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<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
	4-BS 197			
	<b>BSX 198-199</b> <b>P/N 0 1182 1</b> Bosch	2 004 320 163 2 004 320 164  Brush-Holder: 2 004 336 064  replaced by BSX 135-145 IKA P/N 0 1148 1	8 x 25 x 13 8 x 25 x 13	0 001 368 083 JF 4,0 kw 24 Volt
	2-BS 198 2-BS 199			
	<b>BSX 200-201</b> <b>P/N 0 1188 1</b> Bosch	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, 302-305,340,341,389,390 110 071,072,086,087,118,119 124 001-008,011-014,022-025 125 003,004,007,008,011 513,514,600,601 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
	2-BS 200 2-BS 201			
	<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 7501 1 w. thermo protection	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
	2-BS 202 2-BS 203			
	<b>BSX 204-205</b> <b>P/N 0 1197 1</b> Bosch	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
	2-BS 204 2-BS 205			

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 210-211</b> <b>P/N 0 1091 1</b> Bosch			0 001 108 400-406,408-412,420,421, 430,431,450,451,456,457
	2-BS 210 2-BS 211		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>	0 001 170 400,401 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)
		<b>BSX 210-211-249-250</b> <b>P/N 0 1208 1</b> Bosch			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		1 004 320 202,314,335 1 004 320 203,313,334  1 004 320 265,316 1 004 320 266,315	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.5 mm <sup>2</sup>  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			0 001 108 157,190,196,200-204,206-214, 217,218,220-225,228-231, 234-242
	2-BS 212 2-BS 213		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>	0 001 108 460-463 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)
		<b>BSX 214-215</b> <b>P/N 0 1093 1</b> Bosch			0 001 108 203 0 001 115 005,006,008,015,020,021,025, 035,039-041,045-054,068-073, 080,081,088,089,092,093, 096-101,106-109
	2-BS 214 2-BS 215		1 004 320 185,228,234 1 004 320 186,229,235	6x18x11.0/12.5 6x18x11.0/12.5 flex 2.5 mm <sup>2</sup>	DW(R) 1.7 kw 12 Volt R74-E25,-E35 12V(R) R74-L10 12V(L)
			Brush Holder: 1 004 336 395,513,522,554, 568,584,585,588, 591,598,604,606, 641,672,678,721, 792,793,796,798, 899		
			replaced by BSX 231-232-215 IKA P/N 0 1214 1		
		<b>BSX 216-217</b> <b>P/N 0 1094 1</b> Bosch			0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045,046 119,146
	2-BS 216 2-BS 217		6 033 AD5 177,314 6 033 AD5 178,315	5.35x27.77x17.2/18.2 5.35x27.77x17.2/18.2	241 001,003,005-009,012,014,015,016, 018-021,023,024,119
			Brush Holder: 6 033 AD4 016,194, 212 6 033 AD5 128,179, 316,318,320		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
			Stator Frame: 6 033 AD4 107,108,166,177,199 6 033 AD5 154		
			Brush Holder IKA 7 7241 1		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 218-219</b> <b>P/N 0 1095 1</b> Bosch			0 001 107 103-112 121 024-035
		2-BS 218 2-BS 219	1 004 320 230 1 004 320 231	5x12x10.9/11.6 5x12x10.9/11.6 flex 2.0 mm <sup>2</sup>	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
		<b>BSX 220-221</b> <b>P/N 0 1096 1</b> Bosch			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
		2-BS 220 2-BS 221	1 004 320 208,232 1 004 320 209,233	6x18x14.2/15.7 6x18x14.2/15.7 flex 4.0 mm <sup>2</sup>	110 130,131,133,134,136-139 124 022,027 125 025,031,032,035,036,039,040, 042,043,046-049,051-056, 511,512,517-522,600,605-610, 621,622
		Brush Holder: 1 004 336 504,529,561,562, 577,587,589,765, 766,786,795,797, 978			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)
		<b>BSX 222-223</b> <b>P/N 0 1220 1</b> Bosch			0 001 260 001-004,025,026 0 001 262 001-008,019-022,029-034
		2-BS 222 2-BS 223	2 004 320 264,266 2 004 320 265,267	6,35x27.77x17.2/18.2 6,35x27.77x17.2/18.2 flex 10.0 mm <sup>2</sup> flex length 35 mm	HX-95L 12V(L) HX-95M 12V(L) John Deere RE 52 637 5 RE 52 740 0 Serie 6.. >2010
		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			
		<b>BSX 224-225</b> <b>P/N 0 1219 1</b> Bosch			0 001 230 001-010,012-016,018, 020-024,026-030
		2-BS 224 2-BS 225	6 033 AD3 260 6 033 AD3 261	6,35x27.77x17.2/18.2 6,35x27.77x17.2/18.2 flex 6.0 mm <sup>2</sup> flex length 25 mm	F 002 G20 785 EV(R) 3.0 12 Volt 3.0kw HEF95-M 12 V(R)
		Brush Holder: 6 033 AD3 267,290-292 6 033 AD3 327-329			
		Brush Holder IKA 7 7243 1			
		<b>BSX 228 (4)</b> <b>P/N 0 1097 1</b> Bosch			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
		4-BS 228	1 004 320 244,279,281,321	5.25x18x12.7x14.2 flex 4.0 mm <sup>2</sup>	Porsche Panamera 3.0-4.8 l start/stop starters
		Brush Holder: 1 004 337 005,041			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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	<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 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 00 946 906 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
	6-BS 228			
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	<b>BSX 228-243 (4)</b> <b>P/N 0 1027 1</b> Bosch	1 004 320 244,279,281,321  Brush Holder: 1 004 337 019	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>  5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	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
	2-BS 228			
2-BS 243				
<hr/>				
	<b>BSX 228-243 (6)</b> <b>P/N 0 1028 1</b> Bosch	1 004 320 244  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	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup> 5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	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
	3-BS 228			
3-BS 243				
<hr/>				
	<b>BSX 229-230</b> <b>P/N 0 1216 1</b> Bosch	1 004 320 245,282 1 004 320 246,283  Brush Holder: 1 004 336 609,614,645,648 1 004 337 012,053,063, 153,154 FIAT 77365287 Suzuki 31173-86L00	4.45x16x12.3/13.8 4.45x16x12.3/13.8 flex 2.5mm <sup>2</sup>	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
	2-BS 229			
2-BS 230				

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

Suzuki 31100-86L00  
Toyota 28100-0X040  
VW 02T 911 024 J,-JX

### BSX 231-232-215

**P/N 0 1214 1** Bosch



1-BS 215

1 004 320 229

6.0x18x11.0/12.5  
flex 2.5mm<sup>2</sup>

0 001 115 008,015,021-023,025,031,  
032,035,039-042,045-054,  
056,057,069-079,082-085,  
103-105,110,111  
123 002,003,012-021,026-029,  
036-039,044,045

1-BS 231

1 004 320 249

6.0x18x11.0/12.5

DB/DW (R) 1.7 kw

2-BS 232

1 004 320 250

6.0x18x11.0/12.5  
flex 4.0mm<sup>2</sup>

R74-E20 (L)

Brush Holder:

1 004 336 395,513,515,520,  
522,523,535,553,  
554,557,558,560,  
568,584,585,591,  
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

R74-E25,E35 (R)

RF74-E25,E45 (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

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

### BSX 233 (6)

**0 1215 1** 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:

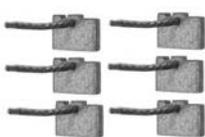
1 004 336 674,684

1 004 337 035,036

MB 001 151 74 14

### BSX 234-235

**P/N 0 1212 1** 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

### BSX 235-228-243

**P/N 0 1023 1** Bosch



2-BS 235

1 004 320 253

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

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

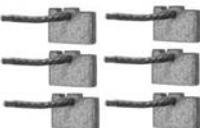
1 004 320 261

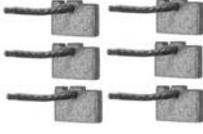
5.25x18x12.7/14.2  
flex 2.5mm<sup>2</sup>

Brush Holder:

1 004 337 034,047

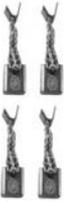
1 004 337 050,144

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<hr/>				
	<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
	<hr/>			
	<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
	<hr/>			
	<b>BSX 239-240</b> <b>P/N 0 1030 1</b> Bosch	2 004 336 094,097  replaced by BSX 222-223 IKA P/N 0 1220 1		
	<hr/>			
	<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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<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
	<b>BSX 245</b> <b>P/N 0 1022 1</b> Bosch	1 004 320 264 flex 3.0 mm <sup>2</sup>  Brush Holder 1 004 337 013,029,042 1 004 337 146,147,155	4.45x19.5x12.3/13.8	0 001 148 003,004,009,010,015,016, 019-026,029,030,033,034 153 013,014,019-022 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
	<b>BSX 247</b> <b>P/N 0 1017 1</b> Bosch	1 004 320 255,325  Brush Holder: 1 004 336 682 1 004 337 026,061,062,070, 072,073,152,160	4.45x14.0x12.3/13.8 flex 2.0mm <sup>2</sup>	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 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
<b>NEW</b>	<b>BSX 253</b> <b>P/N 0 1153 1</b> Bosch	1 004 320 308,327,328,337  Brush Holder: 1 004 338 125,136,141, 149,156	4.45x14.0x11.0/13.0 flex 2.5 mm <sup>2</sup>	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>NEW</b>				
<b>BSX 256</b>				
<b>P/N 0 1144 1</b>	Bosch			0 001 179 510-519,522,523 SCF70-SX 12V(L) VW start/stop starters
4-BS 256		1 004 320 331	4.45x17.0x11.0/12.4 flex 2.5 mm <sup>2</sup>	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
		Brush Holder: 1 004 338 140		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

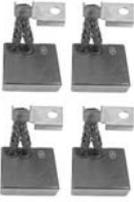
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 10-11</b> <b>P/N 0 1955 1</b>	Denso			128000-049,245,247,256,274,422, 468,491,537,551,562,572,573
	2-JAS 10 2-JAS 11		028520-1090 028530-1100	10 x 30 x 20 10 x 30 x 20	228000-331,332,573,585,700 OSGR-Starter 3.0/5.5 kW 12 Volt
		Isuzu	1-8116-048-0 1-8116-049-0		
	<b>JASX 14</b> <b>P/N 0 1940 1</b>	Denso			12 Volt
	4-JAS 14		28531-0110	7 x 12 x 16	
		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			OSGR- Starter 1.2 kw 12 Volt
	2-JAS 18 2-JAS 19			7 x 13 x 15,5 7 x 13 x 15,5	
	<b>JASX 22</b> <b>P/N 0 1945 1</b>	Denso			12 Volt
	4-JAS 22		28531-0300	7 x 12 x 19	
		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			12 Volt
	4-JAS 35		28530-0480	9 x 30 x 26	
		J. Deere	R50927		
		Mitsubishi	MD604256/MF022002		
		Toyota	28142-47021/-76010/-77040		
	<b>JASX 39</b> <b>P/N 0 1938 1</b>	Denso			12 Volt
	4-JAS 39		028099-5450	6,5 x 8 x 10	
		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			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		228000-304326,304408 1.8/2.0 kW 12 Volt
	4-JAS 79		0-23740-0200, 0210	7 x 25 x 15,5 7 x 25 x 15,5	
		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 12 Volt
	4-JAS 84		028510-0441,0580,0590,0830, 028510-5320,5350,5420 028531-0450,0946	7 x 16 x 14 flex length 33mm	
		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 12 Volt
	4-JAS 85		28531-0680	6,5 x 10 x 16	
		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 12 Volt
	2-JAS 86		028510-0750	7 x 16 x 16	
	2-JAS 87		insulated flex	7 x 16 x 16	
		Daihatsu	28140-15090		
		Honda	31208-PC2-661		
		Toyota	28140-15090		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 88</b> <b>P/N 0 1988 1</b> Denso 12 Volt				
	4-JAS 88		28531-0632	8 x 25 x 21	
	<b>JASX 89</b> <b>P/N 0 1991 1</b> Denso 028000-4540,5900,5910-5912. 028000-6000,6001,6030,6300 12 Volt				
	4-JAS 89		028099-3430,3950 028510-0460,0660 028531-0720,0730 28140-26070 28140-87707-000	7 x 16 x 14 flex length 22mm	
	<b>JASX 101-102</b> <b>P/N 0 1933 1</b> Denso 428000-0670,-0680,-0700 428000-1640,-1750 12 Volt				
	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	
	<b>JASX 103-104</b> <b>P/N 0 1932 1</b> Denso M9T60371,60671,60672,60471, M9T61171 5.5 kW 24 Volt				
	2-JAS 103 2-JAS 104			8.0 x 30 x 18.2 8.0 x 30 x 18.2	
	<b>JASX 105-106</b> <b>P/N 0 1921 1</b> Denso PS 70 228000-9900,-9901,-9902 428000-1080 12 Volt				
	1-JAS 105 1-JAS 106		Brush-Pair Brush-Pair	4.5/7.0 x 8.5 x 9.5 4.5/7.0 x 8.5 x 9.5	

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 11</b> <b>P/N 0 1453 1</b> Fiat			C150-7/24 632 250 00, 02,05 24 Volt
	4-JS 11	747 238 01 4048975	12 x 30 x 28	
	<b>JSX 12</b> <b>P/N 0 1456 1</b> Fiat			C125-4/24 632 240 00, 03, 04 24 Volt
	4-JS 12	747 132 01 4048287	10 x 20 x 25,5	
	<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	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 15</b> <b>P/N 0 1458 1</b>	Fiat	747 341 01	11,5 x 35 x 30	M130-7/24/M130-6/8/24V,1c,2c M130-9124T 632 243 01-03,98,99 632 253 01,03,91,98 632 263 00,02,91 24 Volt
	<b>JSX 16</b> <b>P/N 0 1459 1</b>	Fiat	748 617 81	8 x 17 x 19	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
	<b>JSX 17</b> <b>P/N 0 1460 1</b>	Fiat	748 256 01	10 x 33 x 28	E125-6/24 632 241 70 24 Volt
	<b>JSX 18</b> <b>P/N 0 1461 1</b>	Fiat	748 387 01	10 x 22 x 28	M125-4/24,M3-Z9 632 245 80 24 Volt
	<b>JSX 19</b> <b>P/N 0 1462 1</b>	Fiat	748 460 01	10 x 22 x 28	M125-3/12 632 24 600,02,91 12 Volt
	<b>JSX 21-22</b> <b>P/N 0 1464 1</b>	Fiat	748 809 41,512 706 52 748 811 21,512 706 51  Brush Holder: (748 811 51 + 748 809 21)	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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 23-24-28</b>				
	<b>P/N 0 1466 1</b>	Fiat			E100-1,6/12 632 232 35-39 632 233 30-32 12 Volt
	2-JS 23		748 879 01	7 x 15,5 x 20	
	1-JS 24		748 879 11	7 x 15,5 x 20	
	1-JS 28		748 912 60	7 x 15,5 x 20	
			Brush Holder: 748 879 51 (85540391 + 74888901)		
	<b>JSX 25-22</b>				
	<b>P/N 0 1467 1</b>	Fiat			E95-1,1-12 632 214 30 632 215 32,38 12 Volt
	1-JS 25		748 884 01,512 706 53	6 x 13 x 17,5	
	3-JS 22		748 811 21,512 706 51	6 x 13 x 17,5	
			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			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
	3-JS 26		748 910 71,512 706 61, 512 707 99	6 x 13 x 17,5	
	1-JS 27		748 910 80,512 706 60, 512 707 98	6 x 13 x 17,5	
			Brush Holder: (748 911 01 + 748 909 61)		
	<b>JSX 29-30</b>				
	<b>P/N 0 1469 1</b>	Fiat			E95-0,8-12 E95C-0,8-12 631 010 03 632 218 30,32,34,90,92 12 Volt
	1-JS 29		74893801,51270805	6 x 13 x 17,5	
	1-JS 30		74893811,51270803	6 x 13 x 17,5	
			Brush Holder: 748 938 51 (855 403 51 + 748 936 31)		
	<b>JSX 31-32</b>				
	<b>P/N 0 1470 1</b>	Fiat			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
	2-JS 31		7489438.1,51270764,74899061	8 x 19 x 18	
	1-JS 32		7489439.1,51270765,74899071	8 x 19 x 18	
			Brush Holder: (855 403 41 + 748 941 21) (855 403 41 + 832 228 01)		
	<b>JSX 33-34</b>				
	<b>P/N 0 1471 1</b>	Fiat			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 (-)		832 272 58 insul. no	6 x 15 x 16,7 flex 28	
	2-JS 34 (+)		832 272 57 insul. 35	6 x 15 x 16,7 flex 28	
			Brush Holder: (832 204 61 + 832 201 31) (542 944 44 + 832 265 57)		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 35-36</b> <b>P/N 0 1472 1</b>	Fiat	832 211 91 932 212 01  Brush Holder: (832 212 41 + 832 216 51)	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
	<b>JSX 35-37</b> <b>P/N 0 1473 1</b>	Fiat	832 211 91 832 216 81  Brush Holder: (832 212 41 + 832 209 91) (832 212 41 + 832 239 91)	7 x 13 x 17,5 7 x 13 x 17,5	E80E-1,0-12 631 230 31-34 12 Volt
	<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  Brush Holder: (832 244 61 + 832 251 17)	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
	<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  Brush Holder: (832 253 59 + 832 257 10)	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
	<b>JSX 38-41 (2)</b> <b>P/N 0 1475 1</b>	Fiat	832 244 81 insul. no 832 252 66 insul. 18  Brush Holder: (832 244 61 + 832 251 46) (832 253 26 + 832 263 48) (832 253 26 + 832 264 91)	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
	<b>JSX 38-42 (2)</b> <b>P/N 0 1476 1</b>	Fiat	832 244 81 insul. no 832 246 21 insul. 25	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 30	E80E Seat 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 40-46-47 (4)</b> <b>P/N 0 1477 1</b> Fiat	832 274 90 insul. 38 832 261 48 insul. 57 832 261 89 insul. no	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 65 7 x 13 x 17,5 flex 26	E80E 12 Volt
	<b>JSX 43-45-44 (4)</b> <b>P/N 0 1478 1</b> Fiat	832 258 22 insul. no 832 258 23 insul. 50 832 258 24 insul. 18	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 62 7 x 13 x 19,5 flex 26	E80E 12 Volt
	<b>JSX 43-45-57 (3)</b> <b>P/N 0 1483 1</b> Fiat	832 258 22 insul. no 832 258 23 insul. 50 832 274 95 insul. 38	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 62 7 x 13 x 19,5 flex 26	632 230 39 632 233 04 632 930 39 E80E-0,9-12 12 Volt
		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	832 262 17 insul. 18 832 262 18 insul. 34 832 264 28 insul. no	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 42 7 x 13 x 19,5 flex 26	E80E 12 Volt
	<b>JSX 50-55-56 (3)</b> <b>P/N 0 1484 1</b> Fiat	832 264 28 insul. no 832 274 94 insul. 38 832 274 93 insul. 52	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 42	631 020 00 632 920 00 E80E-0,9-12 12 Volt
		Brush Holder: (832 262 16 + 832 259 35)		
	<b>JSX 51-52 (2)</b> <b>P/N 0 1480 1</b> Fiat	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	E80F-0,8-12 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 51-52-59 (3)</b> <b>P/N 0 1485 1</b> Fiat	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	E80F-0,9-12 12 Volt
	<b>JSX 51-52-63 (4)</b> <b>P/N 0 1486 1</b> Fiat	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	E80F-1,0-12 12 Volt
	<b>JSX 53-54</b> <b>P/N 0 1481 1</b> Fiat	832 269 19 832 269 20	8 x 19 x 20 8 x 19 x 20	E95RL-2,2/2,6-12 631 140 08,10,14 12 Volt Ducato
	<b>JSX 61-62-63 (4)</b> <b>P/N 0 1487 1</b> Fiat	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	D80F-1,0-12 12 Volt Denso-Fiat

Brush Holder:  
 (748 944 41 + 832 257 10)  
 (832 263 36 + 832 267 10)

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 2-JS 71	028531-6870 028531-6880	7.8 x 19 x 20 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 2-JS 73	028531-7340 028531-7331	7 x 20 x 16 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 1-JS 75 1-JS 76 1-JS 77	28531-6420 28531-6390 28531-6400 28531-6410	4.5 x 14 x 14.3/15.3 4.5 x 14 x 14.3/15.3 4.5 x 14 x 14.3/15.3 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 2-JS 79	028531-8801 028531-8791	7 x 20 x 16 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		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	
	<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	
	<b>JASX 31</b> <b>P/N 0 1952 1</b>		Hitachi		24 Volt
	4-JAS 31		2250-1322	9 x 20 x 26	
	<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	
	<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	
	<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		2114-63125	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 2114-73122/-83122 2114-93122	7 x 11 x 16	
	2-JAS 51		2114-83121	7 x 11 x 16	
		Mazda	B101-18X-72/-18X-66		
		Nissan	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		2130-23112	7 x 19 x 15,8	
		Isuzu Nissan	8-94136-900-0 23380-10G00 23379-10G00		
	<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		2130-13111 2130-7312 2240-13111/1312	7 x 19 x 15,8 7 x 19 x 15,8	
		Daihatsu Isuzu	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		
		Mazda Nissan	894152970/-973 23379-54A00 23380-10G00 23380-54T00 23380-W2500		
		Volvo	740 D, 760 D		
	<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		2114-59002 2114-69002	7 x 14 x 16 7 x 14 x 16	
		Isuzu	8-94208-440-0 8-94208-444-0 8-94228-440-0 8-94228-444-0		
		Nissan	23379-M4900 23380-M4900		
	<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		2130-1312/2312 2130-3311/4311 2130-4312/7311	9 x 19,5 x 22 9 x 19,5 x 22	
		Isuzu	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		
		Nissan	23379-J2000 23380-J2000 23379-61503 23380-61501		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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	<b>JASX 94-95</b> <b>P/N 0 1993 1</b>			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>IKSX 2-3</b>				
	<b>P/N 0 1532 1</b>	Iskra	16 905 439,950	13,9/6,9 x 12 x 15 13,9/6,9 x 12 x 15	AZF 3509,3512,3513,3515,3517-3519,3524,3527, AZF 3528,3531,3533,3534,3543,3545,3547,3549,3551, AZF 3552,3555,3558,3559,3560 11 130 193,208,210,233,244-246,291,334,338,346, 11 130 351,352,375,378,392,395,418,431,505,582, 11 130 590,600 0,8-1,0 kW 12 Volt
	<b>IKSX 5-6</b>				
	<b>P/N 0 1534 1</b>	Iskra	16 905 645,973	9 x 16 x 23,5 9 x 16 x 23,5	AZJ 3105,3123,3137-3140,3144,3145,3148,3149-3151, AZJ 3155-3157,3166,3169,3170,3182,3192,3195,3197, AZJ 3198,3203-3206,3217-3219,3227,3237,3248,3249, AZJ 3255,3508,3514,3538,3554,3556,3567,3574,3581 11 130 117,123,203,250,253,300,309,319,386,432, 11 130 500-503,509,510,520,521,525,526,531-533, 11 130 548,551,552,579,612,618,620,624,629,632, 11 130 665,669,670,682,697,709,711,732 2,4 / 2,7 / 3,0 kW 12 Volt
	<b>IKSX 7</b>				
	<b>P/N 0 1535 1</b>	Iskra	16 770 205	6 x 12 x 11,5	AZE 1501,1502,1507,1508,1515-1517, 1520,1521,1523,1526,1528,1531 11 130 321,328,398,404,483,487,495, 519,529,556,580,586,661 0,8/0,9 kW 12 Volt
	<b>IKSX 10-11</b>				
	<b>P/N 0 1537 1</b>	Iskra	16 905 695	8 x 25 x 23 8 x 25 x 23	AZJ 3131-3133,3186,3188,3589,3593,3595 11 130 339,364,367,490-492,595,598 4,0 kW 24 Volt
	<b>IKSX 12</b>				
	<b>P/N 0 1538 1</b>	Iskra	16 905 688	10 x 25 x 23	AZJ 0402,0404,0405,3109,3110,3114-3119, AZJ 3121,3128,3158,3171,3187,3188,3190, AZJ 3516,3517,3525,3531,3534-3537,3548, AZJ 3555,3557,3582,3594,3598,3599 11 130 026,074,076,127,140,179,194,198-201, 11 130 229,251,254,322,366,373,376,402,403, 11 130 408-412,414,419,484,534,553,596,605, 11 130 611 3,0 kW 12 Volt
			replaced by MASX 25-26 IKA P/N 0 1670 1		
			replaced by MASX 21-22 IKA P/N 0 1668 1		
			replaced by MASX 23-24 IKA P/N 0 1669 1		

	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 7,9 x 19,05 x 22,2 flex length 65mm	
	1-LAS 31 2-LAS 32		54257236	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	
	<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	4,5 x 12 x 15,5 4,5 x 12 x 15,5	MOT84881 MOT85381 36100-38090 M60081 M60082 12 Volt
	1-JAS 16 2-JAS 17	positive brush pair negative single brush		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 3</b> <b>P/N 0 1662 1</b>	Marelli	743 713 10, 09010905	9 x 20 x 26	MT31AC,43DC 632 131 27, 632 143 49 24 Volt
	<b>MASX 13-14</b> <b>P/N 0 1663 1</b>	Marelli	723 632 01, 09927791 723 632 02, 09927792	8 x 25 x 23 8 x 25 x 23	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
	<b>MASX 15-16</b> <b>P/N 0 1664 1</b>	Marelli	723 632 03/05/07, 9929080 723 632 04/06, 9928448	10 x 25 x 23 10 x 25 x 23	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
	<b>MASX 17-18</b> <b>P/N 0 1665 1</b>	Marelli	723 837 01, 09956556, 79019316 723 837 02, 09956552, 79019317	9 x 16 x 23 9 x 16 x 23	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
	<b>MASX 19-20</b> <b>P/N 0 1666 1</b>	Marelli	723 837 03/05 723 837 04/06	9 x 16 x 23 9 x 16 x 23	MT72AB 632 172 25 24 Volt - 3,0 kW
	<b>MASX 21-22</b> <b>P/N 0 1668 1</b>	Marelli	(721 650 01 + 721 659 01) 721 624 02 721 624 01  Replacement for IKSX 10-11 IKA P/N 0 1537 1	8 x 25 x 23 8 x 25 x 23	MT 67 AD,CB 632 167 31,41 24 Volt - 4,0 kW

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 23-24</b> <b>P/N 0 1669 1</b>		Marelli (721 647 01 + 721 658 01)		MT 68 AD,LC,MC,PA,PB,RA,S,T 632 168 17,18,31,52,61,84,96 12 Volt - 3,5 kW
	2-MAS 23 2-MAS 24		721 624 04 721 624 03	10 x 25 x 23 10 x 25 x 23	
			Replacement for IKSX 12 IKA P/N 0 1538 1		
	<b>MASX 25-26</b> <b>P/N 0 1670 1</b>		Marelli (721 641 01 + 721 660 01,02) (721 641 01 + 721 684 01)		MT 71 AB,DB,FB,GB,HB,RB,SB,LA,TA,UA,VA MT 74 AA,BA,DA 632 171 26,48,54,56,58,63,80,86,88,97 632 174 07,08,10,25,33,47 12 Volt - 2,5 kW
	2-MAS 25 2-MAS 26		721 613 02 721 613 01	9 x 16 x 23 9 x 16 x 23	
			Replacement for IKSX 5-6 IKA P/N 0 1534 1		
	<b>MASX 27-28</b> <b>P/N 0 1671 1</b>		Marelli (721 641 02 + 721 657 01)		MT 72 AB 632 172 26 24 Volt - 3,0 kW
	2-MAS 27 2-MAS 28		721 613 04 721 613 03	9 x 16 x 23 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 SM-302-18
	4-JAS 23		M648D10471	6,0 x 14 x 16	31200-PC6-663 31200-PD2-663 31200-PEO-664 31200-PE1-674 31200-PH3-953 12 Volt
	<b>JASX 29</b> <b>P/N 0 1949 1</b>		Melco		ME-Y1R ME-Y3R 12 Volt
	4-JAS 29		M648C10171 M648C10671	6,8 x 16,5 x 14	
	<b>JASX 38</b> <b>P/N 0 1936 1</b>		Melco		M2T54272 M3T54071 / -72 12 Volt
	4-JAS 38		M648C25271 M648C25273	8 x 20 x 18	
	<b>JASX 40-41</b> <b>P/N 0 1953 1</b>		Melco		M1T71381/71881 12 Volt
	1-JAS 40		M647C00271,272 M647C00571,573	4,5 x 12 x 17,5	
	<b>JASX 42-43</b> <b>P/N 0 1954 1</b>		Melco		M1T71781 M1T74381 M1T75781 M1T66081 M1T74081 / -081A 7 -087 M1T74281 M1T74481 M1T74491 M1T74583 M1T74851 M1T75181 M1T75781 12 Volt
	1-JAS 42		M647C00371 M647C00671 M647C01771 M648C32971	4,5 x 18 x 17,5	
	<b>JASX 44-28</b> <b>P/N 0 1941 1</b>		Melco		M1T60281/ -285 / -285A M001T60281 / -285 / -285A 12 Volt
	1-JAS 28 1-JAS 44		pair of negative brushes pair of positive brushes	4,5 x 12 x 12,5 4,5 x 12 x 12,5	
			Brush Holder: M321X05171 M647X03471,04571 M647X05571,05871		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 45-46</b> <b>P/N 0 1956 1</b>		Melco		12 Volt
	1-JAS 45		M647C00171	4,5 x 10 x 17,5	
	2-JAS 46		M648C16471	4,5 x 10 x 17,5	
			Brush Holder: M649T01571		
		Mitsubishi	MD607897 MD607899		
	<b>JASX 47-48</b> <b>P/N 0 1957 1</b>		Melco		M5T25373 M5T27672 12 Volt
	2-JAS 47		M648C20371 M648C22371	6,5 x 19 x 19,3	
	2-JAS 48		M648C24471 M648C24472 M648D20671 M648D20771	6,5 x 19 x 19,3	
		Mazda	0839-24-723		
		Mitsubishi	MM502019 MM502135		
		Nissan	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		M1T70483,72581,72583, 73281,73283,73383, 77681 12 Volt
	1-JAS 68	Positive Pair	M647C00871	4,5 x 12 x 16,5	
	2-JAS 73	Single Brush	Brush-Holder M649T09371	4,5 x 12 x 16,5	
		Mitsubishi	MD611731		
	<b>JASX 69-70(3)</b> <b>P/N 0 1970 1</b>		Melco		M2T10171 M2T20181A M2T20281 M2T23685 M3T10475 M3T10476 12 Volt
	1-JAS 69		M648C12170,12370	6,8 x 11,8 x 17,2	
	2-JAS 70		M648C13770	6,8 x 11,8 x 17,2	
			Brush Holder: M649T03571		
		Mazda	0222-24-753 0426-24-753		
		Mitsubishi	MD602470/MD607389		
		Nissan	23380-U0110/E3010		
		Suzuki	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			12 Volt
	<b>JASX 70</b>				
	<b>P/N 0 1967 1</b>	Melco			12 Volt
	<b>JASX 71</b>				
	<b>P/N 0 1973 1</b>	Melco			M4T66074 M4T66173 12 Volt
	<b>JASX 71-72</b>				
	<b>P/N 0 1972 1</b>	Melco			M2T60171 M2T60571 M2T66072 M2T92071 M2T92171/172 M2T92271 M3T56089 M3T56183 M3T66572 M3T67171/172 12 Volt
	<b>JASX 82-83(3)</b>				
	<b>P/N 0 1981 1</b>	Melco			12 Volt

**JASX 69-70(4)**

**P/N 0 1971 1** Melco

2-JAS 69  
2-JAS 70

M648C12170  
M648C13770

6,8 x 11,8 x 17,2  
6,8 x 11,8 x 17,2

12 Volt

Brush Holder:  
M649T04471  
M649X03171,09571

Citroen  
Mazda

JMTSX 100  
0222-24-750/0222-24-753  
0426-24-753/N202-24-750

Mitsubishi  
Nissan

MD602468/MD607420  
23378-N5911  
23380-U01110/B5010/E3010

Peugeot  
Suzuki

JMTSX 100  
31132-72030/31

**JASX 70**

**P/N 0 1967 1** Melco

4-JAS 70

M648C13770  
M648C10371B

6,8 x 11,8 x 17,2

12 Volt

Brush Holder:  
M649T04171,04973

Mazda  
Mitsubishi

0222-24-753/N202-24-750  
MD602069/MD607949  
MM502344

Nissan

23380-E3010  
23378-N5911/N5910

**JASX 71**

**P/N 0 1973 1** Melco

4-JAS 71

M648C25671

8 x 24 x 17

M4T66074  
M4T66173  
12 Volt

Brush Holder:  
M649T02171,02172

Mazda  
Mitsubishi

SE01-24-750  
R201-18-X66  
MD611024/ME700858

**JASX 71-72**

**P/N 0 1972 1** Melco

2-JAS 71  
2-JAS 72

M648C25671  
M648C25672

8 x 24 x 17  
8 x 24 x 17

M2T60171  
M2T60571  
M2T66072  
M2T92071  
M2T92171/172  
M2T92271  
M3T56089  
M3T56183  
M3T66572  
M3T67171/172  
12 Volt

Brush Holder:  
M649T04971,4972

Mazda

R201-18-X66  
R201-24-750  
S203-24-750

Mitsubishi

SE01-24-750  
ME700047/ME700290  
ME700939

**JASX 82-83(3)**

**P/N 0 1981 1** Melco

1-JAS 82  
2-JAS 83

M648C14970  
M648C14870/-15070

7 x 10 x 17  
7 x 10 x 17

12 Volt

Brush Holder:  
M649T01371,4871

Mando Melroe

36173-11140  
36170-2170 Brush-Holder

Mazda

E301-24-753

Mitsubishi

MD607554/MD607556

Nissan

23380-M8310

Suzuki

23380-M8311  
31131-80090  
31132-80090

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		Subaru	49206-5804 49207-5804		
<hr/>					
	<b>JASX 82-83(4)</b>				
	<b>P/N 0 1983 1</b>	Melco			A2T20181/181D A3T22681 M2T30281 M2T30381 M2T30385 12 Volt
	2-JAS 82		M648C14970/-14971	7 x 10 x 17	
	2-JAS 83		M648C14871/-15070	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		
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	<b>JASX 90</b>				
	<b>P/N 0 1989 1</b>	Melco			12 Volt
	4-JAS 90			8 x 20 x 17	
			Brush Holder: M649T04372		
		Mazda	1456-24-723 1456-24-750		
		Mitsubishi	MD607461		
		Nissan	23378-W2810		
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	<b>JASX 91</b>				
	<b>P/N 0 1990 1</b>	Melco			M1T50172 12 Volt Peugeot 205,309 Diesel
	4-JAS 91			7 x 14 x 16 flex 42 mm	
			Brush Holder: M649T00771		
		Mitsubishi	M001T50172,471		
		Nissan	Diesel Gear Starter		
		PSA	JMTSX101		
<hr/>					
	<b>JASX 96-97</b>				
	<b>P/N 0 1995 1</b>	Melco			24 Volt
	2-JAS 96		M648C26371	6,8 x 18 x 18	
	2-JAS 97			6,8 x 18 x 18	
			Brush-Holder M648X28671/M649T05072		
		Mitsubishi	ME700140/ME701169		
		Nissan	23330-T9000		
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	<b>JASX 98-99</b>				
	<b>P/N 0 1994 1</b>	Melco			M2T54871,M2T54881 M2T56181, M2T56182 M2T56185 M2T57271,M2T57273 M2T57771,M2T57773 M2T57871 M2T57881 M2T60172 12 Volt
	2-JAS 98		M648C15372	6,8 x 18 x 18	
	2-JAS 99		M648C15472	6,8 x 18 x 18	
			Brush Holder: M648X28271/M649T05071		
		Mazda	8599-24-750		
		Mitsubishi	MD618460 ME700127/ME701188		
		Nissan	23378-W3410		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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**JASX 100**

**P/N 0 1999 1**

Melco

MOT20871

12 Volt

4-JAS 100

M648C35871

4,3 x 12 x 12.3

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
	<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
	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 110-904300,02-8480-82	8 x 12 x 22	09-914 0,7/0,8/12 10-199-4009/12 12 Volt
	<b>PLSX 4</b> <b>P/N 0 1691 1</b>	Pal Magneton 93-22-32	8,8 x 26,6 x 26	12 Volt
	<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

# KOHLEBÜRSTEN CARBON BRUSHES

## REMY

	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 1-R 924 C 2-springs		3471487 3471488 w. clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120 (2) S</b> <b>P/N 0 1298 1</b>	Remy			12 Volt
	1-R 909/0 1-R 924 C		3471009 w/o. Brush-Holder 3471024 w.clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120 (3)</b> <b>P/N 0 1291 1</b>	Remy	3471764 w. Brush-Holder		12 Volt
	1-R909 1-R922 1-R924		3471009 / 3471487 3471022 3471024	6 x 16 x 14 6 x 16 x 14 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 1-R 922-924 C 4-springs		3471009 3471022 + 3471024 w. clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120 (4) S</b> <b>P/N 0 1299 1</b>	Remy			12 Volt
	2-R 909/0 1-R 922-924 C		3471009 w/o. Brush-Holder 3471022 + 3471024 w. clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120/0 (2)</b> <b>P/N 0 1294 1</b>	Remy	3471625		3471150 12 Volt
	1-R 909/0 1-R 924		3471009 w/o. Brush-Holder 3471024	6 x 16 x 14 6 x 16 x 14	

# KOHLEBÜRSTEN CARBON BRUSHES

# REMY

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 120/0 (3)</b>				
	<b>P/N 0 1292 1</b>	Remy	3471764		3471169 12 Volt
	1-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 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			40 MT 400,450 12 Volt
	4-R122		1852884	9,5 x 38,1 x 21,4	
	<b>RX 122 H</b>				
	<b>P/N 0 1256 1</b>	Remy			40 MT 400,450 24 Volt
	4-R122 H		1852883	9,5 x 38,1 x 21,4	
	<b>RX 124</b>				
	<b>P/N 0 1281 1</b>	Remy			50 MT 400 12 Volt
	6-R124		1852887	7,9 x 38,1 x 20,6	
	<b>RX 124 H</b>				
	<b>P/N 0 1257 1</b>	Remy			50 MT 400 1114683,84,86,89 24 Volt
	6-R124 H		1852888	7,9 x 38,1 x 20,6	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 134</b> <b>P/N 0 1282 1</b> 4-R134	Remy	1852892	10,5 x 36,6 x24,4	42MT 12 Volt
	<b>RX 134-2C</b> <b>P/N 0 1264 1</b> 4-R134-2C	Remy	10159505 two component grade  replaces RX 134 fits old Brush Holder	10,5 x 36,6 x24,4	42 MT latest model 12 Volt
	<b>RX 134 H</b> <b>P/N 0 1259 1</b> 4-R134 H	Remy	1852894	10,5 x 36,6 x24,4	42MT 24 Volt
	<b>RX 134 H-2C</b> <b>P/N 0 1265 1</b> 4-R134 H-2C	Remy	10520138 two component grade  replaces RX 134 H fits old Brush Holder	10,5 x 36,6 x24,4	42 MT latest model 24 Volt
	<b>RX 135</b> <b>P/N 0 1283 1</b> 4-R135	Remy	1852889	9,5 x 28,6 x 26,3	37 MT, 41MT 12 Volt
	<b>RX 135 H</b> <b>P/N 0 1260 1</b> 4-R135 H	Remy	1852893	9,5 x 28,6x 26,3	37 MT, 41MT 24 Volt

# KOHLEBÜRSTEN CARBON BRUSHES

# REMY

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 419-420</b> <b>P/N 0 1254 1</b>	Remy			10479600,05,08,11,12 1113272,77,91 28 MT Nikko Denki 0-23740-0110 24 Volt
	2-R 419 2-R 420		10457119 10457120	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	
	<b>RX 457-458</b> <b>P/N 0 1255 1</b>	Remy			1113273-82,86-88,90 292,95-97 323-451 28 MT 12 Volt Clark,Hyster,MF
	2-R 457 2-R 458		10456457 10456458	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	
	<b>RX 911</b> <b>P/N 0 1252 1</b>	Remy	R138		9000751,56,58 PG 100 12 Volt Opel Unit-Nos. 21020892,21021648
	4-R 911		1852898	5,5 x 15 x 14,5	
	<b>RX 912</b> <b>P/N 0 1253 1</b>	Remy	R139		9000786,798,804-806,812,819,822 827,834,835,850,851,853, 860-867,899,900 PG 260M 12 Volt
	4-R 912		10499524  Brush holder: 10475602	6 x 19 x 16	
	<b>RX 913-914</b> <b>P/N 0 1272 1</b>	Remy			1045506,96208781,9627548 Daewoo SD80F 12 Volt
	1-R 913 1-R 914		Positive Brush-Pair Negative Brush-Pair  Brush holder: 10475107	4,6 x 13 x 11/12 4,6 x 13 x 11/12	
	<b>RX 915</b> <b>P/N 0 1273 1</b>	Remy			9000794,801,817,840 96208782,783,785 PG 150, PG 260F1 12 Volt
	4-R 915		10484034	5 x 16 x 11/12,5	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
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**RX 916-917**

**P/N 0 1274 1** Remy

1-R 916  
1-R 917

Positive Brush-Pair  
Negative Brush-Pair

6,8 x 21,8 x 15,2  
6,8 x 21,8 x 15,2

PG 200, PG 250  
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		D8L11,19,20 6/12 Volt
	1-PS 55 1-PS 76		44a30 44a	10 x 18 x 14 10 x 18 x 14	
	<b>PSX 64-70 (2)</b> <b>P/N 0 1741 1</b>	Valeo	Paris Rhone 72 591A Valeo 182 097		D10B38-41,44,45 12 Volt
	1-PS 64 1-PS 70		34t19 34t	7 x 18 x 17 7 x 18 x 17	
	<b>PSX 64-70 (4)</b> <b>P/N 0 1742 1</b>	Valeo	Paris Rhone 75 452X Valeo 182 098,102,103		D10E47,72-74,79,96 D11E79,D109,110,142,143,159,165 12 Volt
	2-PS 64 2-PS 70		34t19 34t	7 x 18 x 17 7 x 18 x 17	
	<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		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
	2-PS 81 2-PS 82		70f 70f34	10 x 25 x 17 10 x 25 x 17	
	<b>PSX 83-84</b> <b>P/N 0 1750 1</b>	Valeo	Paris Rhone 72 630F Valeo 182 132,145		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
	2-PS 83 2-PS 84		70j 70j34	10 x 25 x 17 10 x 25 x 17	
	<b>PSX 88</b> <b>P/N 0 1756 1</b>	Valeo	Paris Rhone 72 615E Valeo 182 162		D15E14-16,19-23,24,T,25-30,T,TE 24 Volt
	4-PS 88		53j15	12 x 18 x 20	

	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		

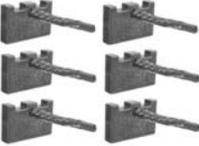
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 132</b> <b>P/N 0 1769 1</b> Valeo		Paris Rhone 92 925 Valeo 182 118		D11E148,156,161,172,177,184, 187,188,191,192,195,272 12 Volt
	2-PS 132 a 2-PS 132 b		44t 44ta	10 x 18 x 14 10 x 18 x 14	
	<b>PSX 133</b> <b>P/N 0 1770 1</b> Valeo		Paris Rhone 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	

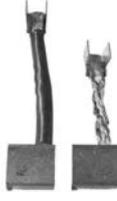
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 142-143</b> <b>P/N 0 1779 1</b>	Valeo	185658 cable nu 35 mm 185658 cable isol. 35 mm	7 x 14 x 13,7 7 x 14 x 13,7	D7R 12 Volt
	2-PS 142 2-PS 143				
	<b>PSX 142-144</b> <b>P/N 0 1752 1</b>	Valeo	187778 cable nu 35 mm 187779 cable isol. 55 mm	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		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				
	<b>PSX 146-147</b> <b>P/N 0 3777 1</b>	Valeo	594064	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 sans ressort: P/N 0 1783 1			
	<b>PSX 148-149 w/o spring</b> <b>P/N 0 1773 1</b>	Valeo		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				

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 148-149</b> <b>P/N 0 3778 1</b>	Valeo	594060		D6RA5,-6,-12,-16,-18,-20 D6RA38,-45,-61 SH 1.1/1.2 kw 12 Volt
	1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	
	1-PS 149	564834		4,5/9 x 11 x 18	
	2-Isolants				
	1-Ressort	sans ressort:	P/N 0 1773 1		
	<b>PSX 148-149/0</b> <b>P/N 0 1774 1</b>	Valeo	594060		D6RA5,-6,12,16,18,20 D6RA38,-45,-61 SH 1.1/1.2 kw 12Volt
	2-PS 148/0		brush with flex only	4,5/9 x 11 x 18	
	2-Isolants		alternative brush set PSX 148-149 IKA P/N 0 1773 1		
	<b>PSX 148-157 w/o spring</b> <b>P/N 0 1777 1</b>	Valeo			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
	1-PS 148			4,5/9 x 11 x 18	
	1-PS 157			4,5/9 x 11 x 18	
	2-Isolants				
	<b>PSX 148-157</b> <b>P/N 0 3779 1</b>	Valeo	594063 594127 594257		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
	1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	
	1-PS 157	186772,187068	188855	4,5/9 x 11 x 18	
	2-Isolants				
	1-Ressort	sans ressort:	P/N 0 1777 1		
	<b>PSX 148-158 w/o spring</b> <b>P/N 0 1768 1</b>	Valeo			D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kW 12 Volt
	1-PS 148			4,5/9 x 11 x 18	
	1-PS 158			4,5/9 x 11 x 18	
	2-Isolants				
	<b>PSX 148-158</b> <b>P/N 0 3780 1</b>	Valeo	594169 594386		D6RA33,-37,-47,-51,-57, D6RA101,-133,-571 SH 1.0-1.4 kw 12 Volt
	1-PS 148	187069,188151	188389	4,5/9 x 11 x 18	
	1-PS 158	186865,187870	188430	4,5/9 x 11 x 18	
	2-Isolants				
	1-Ressort	sans ressort:	P/N 0 1768 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 148-159 w/o spring</b> <b>P/N 0 1778 1</b> Valeo	1-PS 148 1-PS 159 2-Isolants	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
	<b>PSX 148-159</b> <b>P/N 0 3781 1</b> Valeo	594317 594360  187069,188151 188389 186925,187737 188150,188803  sans ressort: P/N 0 1778 1	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
	<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
	<b>PSX 155 (3)</b> <b>P/N 0 1727 1</b> Valeo	187144  Brush Holder 594 290	6,4 x 8 x 11	D7E 1,16.29-32 SH 0.7/0.8/0.85 kW 12 Volt
	<b>PSX 155 (4)</b> <b>P/N 0 1728 1</b> Valeo	187144 Brush Holder 594 351	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 Mercedes A-Class
	<b>PSX 156</b> <b>P/N 0 1726 1</b>	187888  Brush Holder: 188279,190172, 190396,594381	6,4 x 8 x 11	SIH 0.9 kw VW 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 160-164</b> <b>P/N 0 1735 1</b>	Valeo	190986, 191060		190365 D7G 3,4,6 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	
	<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	
	<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	
	<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	
	<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	two component grade	7 x 11 x 12.5 7 x 11 x 12.5	
<b>NEW</b> 	<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 x19.9 x11.4/13.2	
	<b>USX 50-51 (2)</b> <b>P/N 0 1353 1</b>	Valeo	Ducellier 79325		350B,384A,385A,395A,396A,399AB,414AB, 422ABC,423ABC,429AB,430AB,442AB, 6002A,3A,38A,41A,43A,54AB,66A,67A,69A, 6094A,96A,6123AB,25A,56A,82A 6/12 Volt
	1-US 50 1-US 51		98067,79249,680548 98068,79248,680549	8,8 x 19,05 x 13 8,8 x 19,05 x 13	
	<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,9ABCDEFGHJ,KL,10ABC,16A-18S 6127ABC,40A,42A,46A,53A,58A,60ABCDEF,6 6164ABC,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	8,8 x 19,05 x 13 8,8 x 19,05 x 13	
	<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 6120A,35ACDE,48A,67A,88A 6136ABD,37ABCDEF,38ABC,39AB,43A,44AB,47AB, 6155ABCEG,57A,61ABCEFH,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 IKA P/N 0 1351 1 USX 45-23 IKA P/N 0 1352 1	8 x 15 x 15 8 x 15 x 15	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>USX 73-85</b> <b>P/N 0 1361 1</b>	Valeo Ducellier 618491 (cable 41 mm) (618 421)	8 x 15 x 15 8 x 15 x 15	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
	<b>USX 76-77-78</b> <b>P/N 0 1363 1</b>	Valeo Ducellier 618539 99562	8 x 15 x 15	6178ABCDE,6200AB,25AB,39AB, 536 001A 618 076ABC 12 Volt
	<b>USX 91-92</b> <b>P/N 0 1367 1</b>	Valeo Ducellier 618691,692 Valeo 583 041 Ducellier 680 752 Ducellier 680 753	6/11,7 x 13 x 15 6/11,7 x 13 x 15	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
	<b>USX 93-94</b> <b>P/N 0 1368 1</b>	Valeo 583241, 583320	5,5/8,2x13,1x15/18,5 5,5/8,2x13,1x15/18,5	532024AB,25A,27A 534024A,25A,27A,28A,35A,36A 12 Volt

# 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

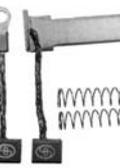
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 172</b> <b>P/N 0 1789 1</b>	BOSCH 3 137 014 202	8 x 8 x 15	0 130 701 019 JPK24
	2-H 172	3 134 320 101 / 172		
	<b>HX 341</b> <b>P/N 0 1792 1</b>	BOSCH 3 134 320 341	8 x 10 x 19,5	
	2-H 341			
	<b>HX 346</b> <b>P/N 0 1787 1</b>	BOSCH 3 137 014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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HPIX 1</b>				
	<b>P/N 0 1800 1</b>	MAD Faurecia	HPI-KOYO		
	4-HPI 1		145 110 411 034	6,95 x 12,4 x 20,3	
	<b>HPIX 3</b>				
	<b>P/N 0 1802 1</b>	MAD2 Faurecia			Citroen Saxo, Peugeot 106 Renault Kangoo Renault Trafic Engine Cooler
	4-HPI 3		141 110 411 037	5,95 x 12,4 x 20	
			fits Brush Card: 7 5001 0 and 7 5002 0		
			Spring Kit: 7 5101 2		
	<b>HPIX 4</b>				
	<b>P/N 0 1803 1</b>	Siemens-VDO			Mercedes A-class
	4-HPI 4			5,45 x 12,2 x 22	
			fits Brush Card: 7 5003 0		
	<b>HPIX 5</b>				
	<b>P/N 0 1804 1</b>				BMW Mini
	4-HPI 5		145 110 400 072	5,90 x 10,8 x 27	
			fits Brush Card: 7 5004 0		

# 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>NEW</b> 	<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>NEW</b> 	<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>NEW</b> 	<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>NEW</b> 	<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>NEW</b> 	<b>JASX 9</b> P/N 0 1341 1		31131B30D55N000  Brush Holder: 31132-13E00-000	5 x 7 x 8,1	Suzuki: Smash, GN 125 EX 125 ccm  12 Volt
<b>NEW</b> 	<b>JASX 13</b> P/N 0 1342 1		3KW-H1801-00 5VV-H1801-10	6 x 9,5 x 10	5P1-H1800-00 Yamaha: Nouvo 125 ccm 12 Volt
<b>NEW</b> 	<b>JASX 20</b> P/N 0 1343 1			6 x 6 x 7,5	
<b>NEW</b> 	<b>JASX 21</b> P/N 0 1344 1		3AY-H1801-00	5 x 7 x 7,3	Yamaha: Jupiter, Vixion, YZ-R, WR 125 ccm 12 Volt
<b>NEW</b> 	<b>JASX 107</b> P/N 0 1345 1		31206-KPW-901	6 x 10 x 10,5	Honda: Sonic, CBR 125 R 125 ccm 12 Volt
<b>NEW</b> 	<b>JASX 108</b> P/N 0 1346 1		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.

**NEW**



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 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW

	IKA-No.	Original	References	Unit-Nos.
	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
	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	1 004 336 822,838,856,861 F 000 AL1 921 AL2 050-052  mono brushes	0 001 116 001,003-006,008,009 DM(R/L) 12V 0,7kW
	7 7124 1	Bosch	1 004 336 300,318,346,411, 418,419,423,434, 436,439,443,740, 747,748,762,806, 812,816,837,912, 913,921,922,960, 965,968,980,986, 995,998	0 001 107 031,032 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 010,011,013,016 F 010 AL0 103 DW(R) 12V 1.1-1.4 kW DW(R) 24V 1.6 kW

IKA-No.	Original	References	Unit-Nos.
7 7125 1	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 9 000 081 094 F 000 AL1 050-052,054,055, 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 9 000 081 001,003,009 9 000 695 003 F 000 AL0 109,300-302,402 DA(L) 12V 0.9 kW DM(L/R) 12V 0.8-1.1 kW
		mono brushes	
7 7126 1	Bosch	1 004 336 326,417,428,435, 746,776,820,821, 951,987	0 001 106 016 107 003-008,020-024, 040,046,052,053, 058,080,090 121 006-011,016-019,022, 023 F 002 G20 318 DB/DW(L) 12V 1.1 kW
			
7 7127 1	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
			
7 7128 1	Bosch	1 004 336 362,426,442,467, 772,811,904,911, 919,923,961	0 001 108 005,014,015,021, 050,058-060,076,077, 094-097,099,127, 147,168 111 001,005 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW
			
7 7129 1	Bosch	1 004 336 400,401,404,405, 455,458,730,731, 734,735,864,909, 914,924,925,931, 942,947,955,956, 959,981,984	0 001 109 001-003,006-008, 110 004,007,008,012, 013,016,019,022-024, 027-030,039,042-046, 048,049,051,053-056, 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
		field coil connector 66.5 mm	

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7130 1</b>	Bosch	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	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	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	0 001 106 011,014,015 107 010,012,014-019, 025-030,033,038,041, 044,049,054,055, 059-063,066-069,075, 076,079,082,083,085, 088,089,091-095,097 121 001,002 DB/DW(R) 12V 1.1 kW
	<b>7 7132 1</b>	Bosch	1 004 336 361,460,463,465, 802,835,845,848, 908,949,994  field coil connector 114 mm	0 001 109 034,035 110 003,026,095,114 115 001 DW(R) 12V 1.7 kW
	<b>7 7133 1</b>	Bosch	9 003 334 341 9 003 334 155,156 Kit 9 003 334 158 *  * with field coil housing	0 001 218 116,117,119,132,148, 149,170 EV (L) 12V 2.2/2.3 kW
	<b>7 7135 1</b>	Bosch	1 004 336 507,508,537,550, 551,605,617,620, 621,713,751,752, 800,884,885 1 007 010 124,135 * * with commutator plate	0 001 110 086,087,118,119, 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)

IKA-No.	Original	References	Unit-Nos.
	7 7136 1	Bosch DAF  2 004 336 077,078 1355895  with 4 brushes BS 177 and 4 springs  replacement for 7 7139 1	0 001 371 004-010,012-020,120 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 60 01 005 151 68 01 Scania 1318615,1329660,1332903, 1357211,1357213,1357709, 1358639,1358640,1382290, 1386807 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 Actros 1831-4150 O580 RHD-15 (Travego)
	7 7138 1	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

IKA-No.	Original	References	Unit-Nos.
	7 7139 1	Bosch 2 004 336 077 replaced by 7 7136 1	0 001 371 005,007,009,012,014,017 IE(R) 24V 6.7 kW
	7 7199 1	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 brush set: BSX 190-191 new models: 7 7241 1 and 7 7242 1	0 001 231 001-003,008,010,011, 014,017-019,032 EV(R) 24V 4.0 kW HE95-M 24V (R)
	7 7200 1	Bosch DAF 2 004 336 064 1201327 with 2 negative brushes BS 188 and 4 springs complete kit with positive brushes: 7 7400 1	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
	7 7201 1	Bosch 2 004 336 079 with 4 brushes BS 197 and 4 springs	0 001 370 003,004 IE(R) 12V 5.0 kW MB 005 151 52 01 457 151 02 01
	7 7202 1	Bosch VW 1 004 336 506,637,879 020 911 209 B,-F	0 001 106 403,404,407,409,410 120 400-411 F 004 A94 403 DB(L) 12V 0.9 kW RF70-S25 12V(L) R70-S10 12V(L) F 004 A94 403

	<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)
	<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)

IKA-No.	Original	References	Unit-Nos.	
	7 7208 1	Bosch	<p>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</p> <p>6 033 AD1 301*,313*,327* 6 033 AD1 351*,381* *with field coil housing</p> <p>Stator Frame: 6 033 AD0 007,162,223, 225,311 AD1 108-110,245, 248,249,251,254 301,313,327,351 381 AD2 002</p> <p>brush set BSX 192-193</p>	<p>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</p> <p>0 001 223 001-014,016,018,019, 021,022,056,104</p> <p>6 033 A1J 05B EV(L/R) 12V 2.3 kW</p>
	7 7209 1	<p>Bosch</p> <p>Ford IVECO PSA</p>	<p>6 033 AD0 161,409,411 AD1 255,259</p> <p>BF9T-11434-AB 9972033 5821 G0</p> <p>brush set BSX 192-193</p>	<p>0 001 223 501-507 EV(R) 12V 2.6 kW XC3U-11000-CA 500338953, 504015749 John Deere RE 50 134 7 SAME 29619400</p>
	7 7210 1	<p>Bosch</p> <p>John Deere IVECO KHD MB Renault</p>	<p>6 033 AD0 166,370,374 AD3 022,042,058,328 9 003 334 368</p> <p>Stator Frame: 6 033 AD0 167,170,244 AD3 043,132-134, 149-151,191-193</p> <p>RE 50 881 5, RE 50 881 8 9971889 131 9759, 131 9875 000 151 04 40 50 01 846 342</p> <p>Brush Set BSX 194-195</p> <p>new model 7 7243 1</p>	<p>0 001 230 001,008,010,012,014,018, 020-024,026</p> <p>EV(R) 12V 3.0 kW HE95-M 12V (R) FIAT 47132888 JD 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, 504059251,504108451 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,-B,-BX REN JE 9/11, JE 13, JE 15 VW Phaeton 5.0 TDI 4Motion Touareg 5.0 TDI</p>

IKA-No.	Original	References	Unit-Nos.
	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
	7 7224 1 Bosch	1 004 336 521,568,773,898	0 001 108 203 DW(L) 12V 1.4 kW R74-L10 12V (L) Lada 21100 3708010 03

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<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 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 1 004 337 004 773 638 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, 340,341,361,362,364-366, 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	1 004 336 582,586,688,790, 794	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 F 000 AL0 111 F 004 A94 008,011 DW(R) 2.0 kW R78-M45,55 12V (R) Toyota Hilux, Fortuner Landrover
	<b>7 7231 1</b>	Bosch	9 003 334 344,350 9 003 334 169 Kit 9 003 334 151*,157* *with field coil	0 001 219 001-012,014,015 9 000 332 401,402,405,406 EV(R/L) 24V 2.5kW

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<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  Replacement for: 7 7134 1	0 001 107 401-411,415,417,418 421,422,423-432 435-437,442,443,446, 447,450-453,456,474 478,479,508,509 0 001 121 422,423,427,428,443,444 F 002 G20 485,594,669 DW(R) 1.1 kw R70-M10,-15,-20,-35 12V(R) VW 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX
	<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,-G,-GX
	<b>7 7236 1</b>	Bosch	1 004 336 565,595  replaced by 7 7542 1	
	<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

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<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	6 033 AD4 016,194 AD5 128,179,316,320 Stator Frame: 6 033 AD4 107,108,199 AD5 154 2 005 005 201 1658737  brush set: BSX 216-217	0 001 231 004-007,009,012,013, 023,026-030,034-036, 038,040,041,045,119 0 001 241 001,003,005-009,012, 014,015,016,018-021, 023,024,119 F 002 G20 786 HE95-M 24V(R) HEF95-L 24V(R) 5.5 kW
	<b>7 7242 1</b>	Bosch	6 033 AD4 212 Stator Frame: 6 033 AD4 166,177  brush set: BSX 216-217	0 001 231 016,033,039,046,146 EV(R) 24V 4.0 kW HE95-M 24V(R) 4.0 kW Cummins 5 259 579 IVECO 4892338, 504120738 Eurocargo MAN 36 26201 6003 MB 006 151 22 01 006 151 22 03 Atego (BlueTec), Axor, Citaro O530, Cito O520, Conecto O345, Econic, Integro,-L,-M, Intouro, Medio, Tourino O510, Unimog, Vario
	<b>7 7243 1</b>	Bosch	6 033 AD3 262,267,290-292 327-329 Stator Frame: 6 033 AD3 281  brush set: BSX 224-225	0 001 230 002-007,009,010,030 F 002 G20 785 HE95-M 12V(R) EV(R) 12V 3.0 kW Clark, John Deere, Renault, KHD, SAME 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

IKA-No.	Original	References	Unit-Nos.
7 7244 1	Bosch	2 004 336 090,096 2 007 014 157 Kit 2 007 010 175 Kit  replaced by 7 7533 1	0 001 260 001-004,025,026 0 001 262 003,004 HX95-L/M 12V(R) 4.0 kW
7 7245 1	Bosch	2 004 336 091,092,111,112 115,116,118,125 6 033 AD0 384 6 033 AD6 098 Volvo 874354  brush set: BSX 202-203  Brush Holder w. thermo protection: IKA 7 7501 1	0 001 330 004-008,011-014,017, 018,020,502 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 7246 1	Bosch  Volvo	2 004 336 092 6 033 AD0 384 874354  replaced by 7 7245 1	0 001 330 004,007,011-014,017,018,020 502 GVB(R) 24V 6.0 kW HEF109-M/MP 24V(R )
7 7247 1	Bosch	1 004 336 453,867	0 001 115 011,013 DW(L) 1.7 kW R74-E10 12V(L) Porsche 966 604 107 00,01,02 966 604 108 00 Porsche 911 3.6-4.0 l
7 7248 1	Bosch	1 004 336 424,471,763,803	0 001 115 002,007 DW(R) 1.7 kW R74-E10 12V(R) Volvo 30658566 9162400, 9168267 9442299
7 7249 1	Bosch	1 004 336 452,852	0 001 123 001 DB(R) 1.7 kW RF74-E10 12V(R) Porsche 906 604 103 00 911 Carrera,-Targa Boxster, Cayman

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<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	0 001 115 005,006,009,012 016,017,024 DW(R) 1.7 kW R74-E10 12V(R) Opel 55351631 93176056 93184539 VW 07C 911 023,-X
	<b>7 7251 1</b>	Bosch MB VW	1 004 336 367,413,425,450, 742,764,807,826, 849,875,962 1 007 010 091 Kit 001 151 17 14 059 911 209 A	0 001 109 021,022,041,056, 200,201,252,253,256 110 005,011,016,017,025, 041,043,054,065,068, 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 PSA 5802 A6 Renault 77 00 856 291 Volvo 30658567
	<b>7 7252 1</b>	Bosch Opel	1 004 336 301,997 9117908	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>7 7253 1</b>	Bosch MB Renault	1 004 336 437,456,468, 946,976 1 007 010 092 Kit 001 151 02 14 001 151 23 14 77 01 044 940	0 001 110 053,089,113 DW(R) 1.7/ 1.8 kW R78-L15 12V(R)
	<b>7 7254 1</b>	Bosch VW	1 004 336 407,736,819 069 911 209 E	0 001 125 501-504,507,508 DB(R) 2.0 kW DAF 1516661R,1516674R, 1516682R VW 069 911 023 E,-H,-J LT 2.5 TDI 2001-2006

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7255 1</b>	Bosch  VW	1 004 336 429,440,446,466, 777,808,847,906, 926,933 068 911 209 E	0 001 109 012,023,029,044,047 110 014,015,018,033,047 057-059,081 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	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	0 001 108 143,148,170,172,181, 199 DW(R) 1.4 kW R74-L20,L25,L35 12V(R) 90490356,90490771 90541527,90563736 93177175,93184538 1202136 77 00 860 915
	<b>7 7258 1</b>	Bosch  PSA  Renault	1 004 336 374,375,464,859, 935,936,944 95 655 222 95 656 565 77 01 047 322	0 001 108 074,085,086,123,182 DW(R) 1.4 kW R74-L20,L25 12V(R) 0486109 96017849,96035034, 96092340,96235689 77 00 106 763
	<b>7 7259 1</b>	Bosch  Nissan	1 004 336 219,427,469,775, 870,937 23378-99B05	0 001 106 020 107 011,039 DW(L) 0.9 - 1.1 kW R74-M27,S10 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

	IKA-No.	Original	References	Unit-Nos.
	7 7260 1	Bosch MB Opel VW	1 004 336 314,321,382,391, 716,810,831,985 001 151 34 14 001 151 34 15 90542850,93180602 069 911 209 D	0 001 106 018,019 107 009,034,037,045,048, 056,064,072,096, 100,101 6 000 AA0 013 F 000 AL0 113 DW(R) 1.1 kW R74-M20,M25,S10 12V(R) BMW 12 41 7 570 487,-488 FIAT 60562974 MB 005 151 53 01 005 151 66 01 005 151 69 01 Opel 55351638 90508037,90518627 VW 069 911 023 G
	7 7281 1	Bosch FIAT Volvo VW	1 004 336 420,451,462,749, 814,828,841 9949392 30862530	0 001 107 043,073,074,087 121 003 DB/DW(R) 1.1 kW R74-M10 12V(R) RF74-M30 12V(R) 96FB-11000-KB,-KC,-KD 1011331 986 604 104 00 06B 911 023,-X
	7 7282 1	Bosch Renault VW	1 004 336 368,416,670, 745,830,853 77 01 047 321 012 911 209	0 001 106 012,017,022-024 107 070,071 DW(R) 0.9 - 1.1 kW R74-M25,S10,S20 12V(R) 93161060 77 00 875 450 82 00 466 754,-758,-761 82 00 724 786,-805,-817 012 911 023,-X
	7 7283 1	Bosch Opel Renault	1 004 336 338,392,444,717, 833,989 09117925 77 01 042 469	0 001 107 047,077,098 DW(R) 1.1 kW R74-M20 12V(R) 9117691,9200960, 90586916,93184536 77 00 105 080 7700 865 719

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7284 1</b>	Bosch Toyota	1 004 336 279,422,729,868 28140-0G010 28140-0G030	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
	<b>7 7286 1</b>	Bosch	1 004 336 588,796	0 001 115 035 R74-E25,-35 12V(R)
	<b>7 7288 1</b>	Bosch  FIAT	1 004 336 518,532,548,575,594, 599,601,618,654,709, 725,726,872,894  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  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)
	<b>7 7290 1</b>	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

IKA-No.	Original	References	Unit-Nos.
	<p>7 7291 1</p> <p>Bosch</p> <p>FIAT</p> <p>Suzuki</p>	<p>1 004 336 609,645</p> <p>1 004 337 153</p> <p>77365287</p> <p>31173-86L00</p> <p>field coil connector</p> <p>40 mm</p>	<p>0 001 138 011,012,029,030,037-040</p> <p>043,044,049,050,063,064</p> <p>DW(R) 1.7 kW</p> <p>S74-L 12V(R)</p> <p>Start/Stop Starters 1st Serie</p> <p>12 41 7 610 342,349</p> <p>12 41 7 626 546,547</p> <p>12 41 7 631 054</p> <p>12 41 7 823 314,315</p> <p>51810307,55226844</p> <p>BS51-1000-BA, 1726350</p> <p>1202203,55570445</p> <p>31100-86L00</p> <p>28100-0X040</p> <p>Alfa MITO 1.3 JTD &gt;10/2008</p> <p>BMW 520i, 528i, 640i &gt;2011</p> <p>Z4 sDrive 20i, 28i &gt;2011</p> <p>FIAT Cinquecento 1.3 MJTD &gt;01/2010</p> <p>Punto Evo 1.3 JTD &gt;10/2009</p> <p>Ford Ka 1.3 TDCi &gt;2008</p> <p>Mini Cooper D,-SD &gt;2010</p> <p>Opel Astra/Corsa 1.3 CDTI &gt;2010</p> <p>Suzuki Swift 1.3 DDIS &gt;09/2010</p>
	<p>7 7292 1</p> <p>Bosch</p>	<p>1 004 336 614,648</p> <p>1 004 337 154</p> <p>field coil connector</p> <p>60 mm</p>	<p>0 001 138 003-006,047,048,053,054</p> <p>DW(R) 1.7 kW</p> <p>S74-L 12V(R)</p> <p>Mini Start/Stop Starters 1st Serie</p> <p>BMW 12 41 7 552 697</p> <p>12 41 7 567 788</p> <p>12 41 7 589 354,355</p> <p>12 41 7 616 689,698</p> <p>12 41 7 617 216</p> <p>12 41 7 631 025,045</p> <p>12 41 7 802 945</p> <p>12 41 7 803 514</p> <p>12 41 7 812 070</p> <p>Steyr 7616698</p> <p>Mini Cooper,-Cabrio,-Clubman</p> <p>Cooper S,-Cabrio,-Clubman</p> <p>Cooper D,-Clubman &gt;03/2007</p> <p>One,-Clubman</p> <p>One D &gt;09/2009</p>
	<p>7 7293 1</p> <p>Bosch</p> <p>MB</p> <p>FIAT</p>	<p>1 004 336 511,536,712,727,888</p> <p>001 151 54 14</p> <p>9949601</p>	<p>0 001 108 157,190,196,202,204,</p> <p>208-209,211,212,217,</p> <p>218,224,230,231,</p> <p>234-236,239,240</p> <p>400,461-463</p> <p>F 026 T02 002</p> <p>DW(R) 12V 1.4/1.8 kW</p> <p>R74-L40,45,55</p> <p>F 026 T02 002</p> <p>12 41 7 610 344,345,351</p> <p>51782321, 51832954</p> <p>55192482, 55195211</p> <p>005 151 74 01</p> <p>93175890</p>

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7294 1</b>	Bosch VW	1 004 336 408, 737, 990 02A 911 209 C	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
	<b>7 7295 1</b>	Bosch VW	1 004 336 409, 738, 860 068 911 209 J	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>7 7296 1</b>	Bosch  Renault	1 004 336 363,850  77 01 044 938	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 77 00 113 207 18213-M68KA-000
	<b>7 7297 1</b>	Bosch  FIAT	1 004 336 383,393,445,454, 719,829,836,871  9947826,9949595 9951205	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	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

IKA-No.	Original	References	Unit-Nos.
	7 7314 1	Bosch 1 001 329 900 1 004 336 025,028,029,034, 055  Kit 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 0.7/00.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW
	7 7315 1	Bosch 2 004 336 027,041,099  Kit 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
	7 7316 1	Bosch 2 004 336 027,041,099  Kit 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
	7 7317 1	Bosch 1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027  Kit 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>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<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>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 7400 1</b>	Bosch  Kit	2 004 336 064  with additional positive brushes 2 x BS 199	0 001 368 083 IF(R) 24V 4.0 kW

IKA-No.	Original	References	Unit-Nos.
7 7501 1	Bosch	2 004 336 093,110,113,114,117 with thermo protection  Brush Set BSX 202-203  Brush Holder w/o. thermo protection IKA 7 7245 1	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
7 7503 1	Bosch	2 004 336 094,097 2 007 010 158 Kit  replaced by 7 7533 1	0 001 262 001,002,005-008, 019-022,029-034 HX95-L,-M 12V(R)
7 7504 1	Bosch	1 004 336 513,522,553,584, 591,663,677,678, 754,792,798,876, 890,899  Replacement for 7 7225 1	0 001 115 008,021,025,040,041, 045-048,078-081 0 001 123 002,003,024,025 DB(R) 12V 1.7 kW RF74-E25,E35 12V (R) Overload Protection Starters VW 012 911 023 E,-F,G,-GX,-H,-HX Porsche 955 604 107 00,-010,-011
7 7505 1	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
7 7506 1	Bosch MB	1 004 336 669 001 151 63 14	0 001 115 074-077 R74-E25,35 12V (R) Overload Protection Starters Mercedes 006 151 74 01 006 151 75 01 636 151 02 01 636 151 02 02 Sprinter CDI

	IKA-No.	Original	References	Unit-Nos.
	7 7507 1	Bosch	2 004 336 095,100 0399 D57 009 Stator Frame: 2 007 010 173,174,183  Brush Set BSX 241-242	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 HX95--M 24V (R) HXF95-L 24V (R) overload protection starters DAF 1826121,1843852,1876369 1954639 Leyland AELF405 MB 006 151 22 01
	7 7508 1	Bosch	1 004 336 583,634,791	0 001 107 433,434,440,441,448,449, 514,529-531 9 001 107 434 F 004 A94 434,441,449 R70-M25 12V (R) Toyota Auris,Corolla,Yaris 1.4/1.4i/1.6i
	7 7509 1	Bosch	1 004 336 530,631,707	0 001 108 400,411,412,444 R70-L25,35 12V (R)
	7 7510 1	Bosch VW	1 004 336 615,657 057 911 209 J	0 001 108 415,416,428,429 F 000 AL0 901 R70-L25 12V (R) MB 906 906 00 26 Renault 82 00 741 476 VW 079 911 021 B,-BX,-C
	7 7511 1	Bosch FIAT	1 004 336 529,587,589 795,797,978 773 654 50 773 639 14	0 001 107 108-113 R74-M40,60 12V(R) 51776205,51832956 93176061

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7514 1</b>	Bosch VW	1 004 336 572,782 078 911 209 D	0 001 108 220,221 DW(R) 12V 1.4 kW R74-L45 12V (R) 078 911 023 D Audi,Skoda,VW
	<b>7 7515 1</b>	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
	<b>7 7516 1</b>	Bosch MB	1 004 336 598,604,606,641 001 151 56 14  Replacement for 7 7287 1	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 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
	<b>7 7517 1</b>	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
	<b>7 7518 1</b>	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 2.6/3.2 V6,-i,-Caravan <2005

	IKA-No.	Original	References	Unit-Nos.
	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  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)
	7 7521 1	Bosch	1 004 336 578,787  replaced by 7 7229 1 with longer brushes for longer life time	
	7 7523 1	Bosch  MB  Toyota	1 004 336 580,607,789  001 151 64 14  28140-0Q020	0 001 107 406,438,439,459-462 DW(R) 12V 1.1 kw R70-M10,-M35,-M45 12V(R) 006 151 59 01 006 151 60 01 28100-0Q021 MB CL 500, GLK 280, SL 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 002 G20 862 F 002 G70 013 S78-M 12V(R) 2.2 kw S78-M55 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 FIAT 51810267 Porsche 948 604 210 00

	IKA-No.	Original	References	Unit-Nos.
	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 85 70 238 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 2.7 16V,-4x4
	7 7532 1	Bosch Opel	1 004 336 394,461,720,999 90540337 91385014	0 001 109 015,042,046,052,055,061-063 DW(R) 12V 2.0 kw R78-M15,-M25 Opel 93171526,93176034 Saab 53 42 340, 53 43 371 BAZ / GAZ / ZMZ
	7 7533 1	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 0 001 262 001-008,019-022, 0 001 262 029-034 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
	7 7534 1	Bosch	1 004 336 699	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 Audi 2.0 TDI

IKA-No.	Original	References	Unit-Nos.	
	7 7536 1	Bosch  FIAT Suzuki	1 004 336 674,695 1 004 337 156,160 773 651 21 31173-T62MA0  successor product for IKA 7 7291 1 7 7292 1 with 6 brushes instead of 4 brushes	0 001 136 002,003,005-008 0 001 137 001-006,011,012 0 001 138 001,002,009,010,017-020, 0 001 138 045,046,051,052,055,056, 0 001 138 069-072 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,A6,A7,A8,Q4,S5 3.0 TFSI FIAT Bravo1.4,,Doblo1.4/1.6 Multijet Grande Punto 1.2/1.4 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 1.6, i40 1.6 ix20 1.4/1.6, ix35 1.6 GDI Opel Adam 1.2/1.4, Astra, Cascada 1.4 Corsa 1.2/1.4, Insignia, Meriva 1.4 Mokka, Zafira 1.4 latest models
	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,-Freetrack,-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

IKA-No.	Original	References	Unit-Nos.	
	7 7538 1	Bosch	1 004 336 681	<p>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</p>
	7 7539 1	Bosch	1 004 337 013,029,042	<p>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</p>
	7 7540 1	Bosch	1 004 337 012	<p>0 001 142 001,002 0 399 703 051,052 SF74-L 12V(L) VW Start/Stop Starters VW 02T 911 024 J,-JX  Audi A1 1.2/1.4 TFSI, 1.6 TDI SEAT Ibiza TSI, ST 1.2 TSI Skoda Fabia,Practic,Roomster 1.2 VW Polo 1.2</p>

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7541 1</b>	Bosch	1 004 337 019	0 001 139 041,042,073,074 S78-M 12V(R) 2.2 kw VW 059 911 021 G,-GX,-K Audi Start/Stop Overload Protection Starters A3,A4,A5,A6,A7,A8 3.0 TDI >2011 Q5,S5 >06/2012
	<b>7 7542 1</b>	Bosch MB VW	1 004 336 565,595,602,769 1 004 337 022,140,150 001 151 41 14 06E 911 209  replacement for 7 7236 1	0 001 108 405,406,408,430,431 0 001 108 445,446,466,467 R70-L25 12V(R) Overload Protection Starters VW 06E 911 023 B,-BX,-C,-CX, 06E 911 023 E,-EX,-F 079 911 021 D,-DX,-G Ford 4M5T-11000-CA,-CB 1344589,1570611 Porsche 9586 041 110 00 Audi A4,A6,A8 3.2 FSI >2005 A7,A8,Q7,S\$ 3.0 TFSI Ford Focus 1.6i,-Ti,-Ti-VCT >12/2007
	<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,-D,-DX,-X Audi Start/Stop Starters Audi A4 2.0 TFSI Avant,-quattro A5 2.0 TFSI Cabrio,-Coupe Q5 2.0 TFSI quattro
	<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 Panamera 3.0 ,-S Hybrid 3.6 4, 3.6 6 4.8 S,-4S,-GTS,-Turbo,-S

	IKA-No.	Original	References	Unit-Nos.
	7 7546 1	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
	7 7547 1	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,-Sportback A3 1.8 FSI,-Sportback,-quattro A3 1.8 TFSI Sportback SEAT Mii 1.0 >20/2011 Skoda Citigo 1.0,-CNG Octavia 1.2 TSI,-Combi VW Golf VII 1.4 TSI,-Variant models >2012/2013
	7 7548 1	Bosch	1 004 337 155	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>NEW</b> 	7 7549 1	Bosch	1 004 337 165	0 001 138 057-062 0 001 147 424,425 S74-L 12V (R) BMW Start/Stop Starters 12 41 7 626 000 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

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>				
	7 7550 1	Bosch	1 004 338 126,140 0 399 D77 075	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 1.2/1.4/1.8 TFSI >04/2012 S3 2.0 TFSI >11/2012 A3 1.8 FSI,-Sportback,-quattro SEAT Mii 1.0 >10/2011 Leon 1.4 TSI >11/2012 Skoda Citigo 1.0 >10/2011 Octavia 1.8 TSI >11/2012 Rapid 1.6 TDI >11/2012 VW Golf VII 1.4 TFSI >11/2012 Polo 1.4 TSI,-Variant >08/2012 up! 1.0 >12/2011
<b>NEW</b>				
	7 7560 1	Bosch 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
<b>NEW</b>				
	7 7561 1	Bosch MB	1 004 337 017,023,040,045 001 151 73 14  with EMC electromagnetic compability	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 GLK 220/250 BlueTec 4Matic >03/2012
<b>NEW</b>				
	7 7562 1	Bosch MB	1 004 337 015,035,043,061,151 001 151 75 14  with EMC electromagnetic compability	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

	IKA-No.	Original	References	Unit-Nos.	
<b>NEW</b> 	7 7563 1	Bosch	1 004 337 016,020,021,036 044,062,152	0 001 147 402-407 SL74-L 12V (R)	
		MB	001 151 74 14 76 14	Mercedes RFI Overload Protection Start/Stop Starters	
			with EMC electromagnetic compability	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 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	

<b>NEW</b> 	7 7564 1	Bosch	1 004 337 026,066	0 001 152 400,401,410,411 SFL74-L 12V (L)	
			with EMC electromagnetic compability	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	

<b>NEW</b> 	7 7565 1	Bosch	1 004 337 049,059,069	0 001 153 500,501,510,511 SFL74-E+ 12V (L)
			with EMC electromagnetic compability	Mercedes RFI Start/Stop Starters
				645 906 02 00 906 03 00

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b> 	7 7566 1	Bosch	1 004 337 046,058,068	0 001 149 402-405,412-417
		MB	001 151 77 14	SL78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters
			with EMC eletromagnetic compability	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 7569 1	Bosch	1 004 337 168	0 001 139 065,066
			with EMC eletromagnetic compability	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   CDI Viano CDI 2.0/ 2.2 Vito 110,113,116 CDI

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7170 1</b>	Denso	028510-0560 with 2 negative brushes  complete kit with positive brushes: 7 7370 1	028000-5330-35, -6380-82, -9490 Daihatsu
	<b>7 7171 1</b>	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
	<b>7 7172 1</b>	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
	<b>7 7179 1</b>	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
	<b>7 7181 1</b>	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
	<b>7 7214 1</b>	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

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7370 1</b>	Denso Kit	028510-0560 with additional positive brushes 2 x JAS 85	028000-5330-35, -6380-82, -9490 Daihatsu
	<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,Verse
	<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

IKA-No.      Original      References      Unit-Nos.

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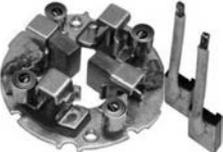
7 7606 1

Denso

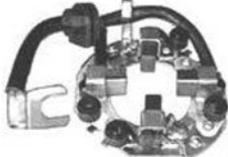
complete w. 4 brushes

28100-28052  
428000-3090  
1.3 kw  
Toyota Camry  
Prius

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
	Kit	with additional positive brushes 2x F76 two component grade O.E. version	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

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 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 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  Kit	2114-4311 2114-29007,-39001,-49007 2114-69008,-79001,-89007  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 Nissan 23378-05E00

IKA-No.	Original	References	Unit-Nos.
	7 7342 1	Hitachi 2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100	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
	Kit	with additional positive brushes 2 x JAS 74	
	7 7343 1	Hitachi 2250-7310 Kit 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 832 263 36  Kit with additional positive brush pair JS 54	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
	7 7392 1	Marelli/Fiat 832 212 41  Kit 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 542 944 44 832 204 61  Kit 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 832 258 86  Kit 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 721 641 01  Kit 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 721 641 02  Kit 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

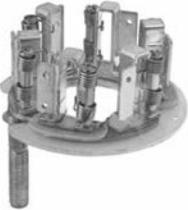
IKA-No.	Original	References	Unit-Nos.
	7 7187 1	Melco M649T01271,1272,-1273 M649T06871,-09371,-09471  Kia/Hyundai 36169-32510 36170-32500  complete with positive brush pair	M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583 HSP112110,112130 MG112014,MP112023 36100-32510
	7 7188 1	Melco 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 M649T04471 M649X09571  Nissan 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 M649T20471 M649X20471 ME701467  with 2 negative brushes  complete kit with positive brushes: 7 7374 1	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
	7 7275 1	Melco M321X07076  complete with positive brush pair	MOT80281B,-82881,-87881 91581 DACIA

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7374 1</b>	Melco	M649T20471 M649X20471 ME701467	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
		Kit	with additional positive brushes 2 x JAS 70	
	<b>7 7382 1</b>	Melco	M649T03571 M649X02572,-03573	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
		Kit	with additional positive brushes 2 x JAS 70	
	<b>7 7383 1</b>	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
	<b>7 7384 1</b>	Melco Mitsubishi Nissan	M648X28671 M649T05072	
		Kit	with 4 brushes 24 Volt	

IKA-No.	Original	References	Unit-Nos.
	7 7385 1	Melco M649T02171  Kit with additional positive brushes 2 x JAS 71	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
	7 7386 1	Melco M648X28271 M649T05071  Mazda Mitsubishi Nissan  Kit 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
	7 7389 1	Melco M649T04471 M649X09571  Nissan 23378-N5912  Kit 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
	7 7525 1	Melco M649T04971,-04972 M649T07371 M371X07371 ME 700047,ME 700939 ME700939 Ford 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

IKA-No.	Original	References	Unit-Nos.
7 7526 1	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
7 7527 1	Melco	M649X20771 ME701495 with 4 springs and negative brushes  complete kit with positive brushes: 7 7627 1	M2T80772,-87571,-87871 M8T80071,-A,-B,80171,-80471 -80472,-80501,-80571
7 7528 1	Melco	M321X10276 complete with springs and brushes	M0T70381,-70481,-81181 M1T70483,-73383,-84883
7 7625 1	Melco	M649T04971,-04972 M649T07371 M371X07371 Mitsubishi Ford ME 700047, ME 700939 E5PF-11061-A E5PF-11434-AA  Kit with 4 springs and brush set JASX 70-71	M3T66071-074 M3T67171,-172
7 7627 1	Melco Mitsubishi	M649X20771 ME701495  Kit with additional positive brushes 2 x JAS 70	M2T80772,-87571,-87871 M8T80071,-A,-B,80171,-80471 -80472,-80501,-80571



	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7180 1</b>	Remy	1984974, 1985065 with terminal post w/o. brushes  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	50MT 12/24 Volt
	<b>7 7263 1</b>	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
	<b>7 7264 1</b>	Remy	10475107  complete with 4 brushes	SD80F 10455506,9627548
	<b>7 7368 1</b>	Remy  Kit	1988121  with brush set RX 134	42MT 12 Volt
	<b>7 7368 2</b>	Remy  Kit	1988121  with brush set RX 134-2C two component grade latest model	42MT 12 Volt
	<b>7 7375 1</b>	Remy  Kit	10468705  with brush set RX 135	37MT, 41MT series DD 12 Volt

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7376 1</b>	Remy Kit	1979387 with brush set RX 122	40MT 12 Volt
	<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 7468 2</b>	Remy Kit	1988439 with brush set RX 134H-2C two component grade	42MT 24Volt
	<b>7 7475 1</b>	Remy Kit	10469238 with brush set RX 135H	37MT, 41MT series DD 24 Volt

IKA-No.	Original	References	Unit-Nos.
	7 7476 1	Remy Kit 1979494 with brush set RX 122H	40MT 24 Volt
	7 7478 1	Remy Kit 10456456 with brush set RX 419-420	28MT 24 Volt
	7 7480 1	Remy Kit 1985065 with brush set RX 124H	50MT 24 Volt

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7146 1</b>	Valeo	190987,191824,193288 200393  complete with brushes	D7G... SIH anticlock VW Overload Protection Starters  PSX 163-164
	<b>7 7147 1</b>	Valeo	190097,190986,191141 191821,191823  complete with brushes	D7G... SH clockwise Overload Protection Starters Audi,BMW,PSA  PSX 160-164
	<b>7 7148 1</b>	Valeo	191060,191822  complete with brushes	D7G... SH clockwise PSA/Renault Overload Protection Starters  PSX 160-164
	<b>7 7149 1</b>	Valeo	192984  complete with brushes	D7G... SH clockwise 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

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7152 1</b>	Valeo	for 4 brushes w/o. brushes and springs  brush sets	D8E... / D9E...  PSX 129 PSX 130
	<b>7 7153 1</b>	Valeo	for 2 brushes w/o. brushes and springs  brush set	D8E... / D9E...  PSX 133
	<b>7 7156 1</b>	Valeo	for 2 and 4 brushes w/o. brushes and springs  brush sets	D9R...  PSX 138-139(2) PSX 140-141(4)
	<b>7 7157 1</b>	Valeo	with 4 springs and 4 caps w/o. brushes  brush sets	D7R...  PSX 142-143 PSX 142-144 PSX 142-145
	<b>7 7159 1</b>	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
	<b>7 7165 1</b>	Valeo	594381 complete with brushes  brush set	D7ES 2,4,5 SIH 12 Volt VW PSX 156

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7601 1</b>	Valeo	199411 brush holder with bracket  with two component brushes	D6G... SIH anticlock VW
	<b>7 7602 1</b>	Valeo	195253 brush holder with bracket  with two component brushes	D6G... SH clockwise
	<b>7 7603 1</b>	Valeo	195713 brush holder with bracket  with two component brushes	D6G... SH clockwise
	<b>7 7604 1</b>	Valeo	594 706, 194 404 brush holder with bracket  with two component brushes	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	
	<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
	<b>7 5102 2</b>	BMW	HPI spring kit	fits brush card 7 5004 0

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# 3

STARTERRITZEL

STARTER DRIVES

LANCEURS DE DEMARREUR





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5000 1	Bosch Femsa Fiat Iskra Marelli	2 006 380 558 2 006 381 558 3550 9008738 18 100 021 74372580,74372630	41 x 120 11 teeth  CW	0 001 401 002,044,045,046 0 001 402 002,051,052,053, 057 0 001 501 003,020,032 11 130 158
				
<b>NEW</b> 4 5001 1	Bosch CAV Fiat Iskra Marelli	2 006 380 010 2 006 380 410 2 006 381 010 2 006 381 410 5549 306BJ 8122125,9004794,9923779 18 100 098 74372530	35 x 120 9 teeth  CW	0 001 401 007,025,041,049,050,051 052,061,066,074 0 001 402 008,050,054,055,058,059, 060,061,071,075,080,081, 083 0 001 501 001,038
				
<b>NEW</b> 4 5002 1	Bosch DAF Fiat Iveco	2 006 209 452 2 006 209 495 2 006 209 532 067031 9959813 93159768	14.3/40 x 91 10 teeth Splines 10 E CW	0 001 362 302,324 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
				
<b>NEW</b> 4 5003 1	Bosch Iskra MB Volvo VW	2 006 209 471 16 900 920 A 000 151 68 13 000 151 68 13 1257680 069 911 335	12/26 x 71 9 teeth Splines 10 E CW	0 001 362 047,069,070,077, 078,083 11 130 300 11 130 399
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5005 1	Bosch Fiat MB Remy	086 264 492 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	14.3/35 x 91 9 teeth Splines 10 E CW	0 001 362 051,063,096,097,300, 306,309 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
<b>NEW</b> 4 5006 1	Bosch MB	1 006 209 523 9 003 336 291 A 000 151 95 13 000 151 95 13	12/28 x 64 10 teeth Splines 10 E CW	0 001 218 006,016,021,029,108 109,110,150,156,160 0 001 219 001,007,009,013
<b>NEW</b> 4 5007 1	Bosch Fiat VW	1 006 209 543,544,576, 596,703,710, 918,919,921 1 007 010 045 9944373 020 911 335 B	12/26 x 58 9 teeth Splines 10 E AC	0 001 108 094,095,127 110 001,002,014,015,076 077,098,099,133 112 003,004,038,039 113 011,012 114 005,006
<b>NEW</b> 4 5008 1	Bosch Fiat Iveco	9 002 336 283 9939710 42531397	12/36 x 62 9 teeth Splines 10 E CW	0 001 218 014,019,024,101 102,103,154,159 163,164,167,174
<b>NEW</b> 4 5010 1	Bosch VW	1 006 209 553,558,565, 583,591,910, 911,922 021 911 335	12/28 x 79 10 teeth Splines 10 E AC	0 001 107 005,006 108 076,077,096 110 069,070,086,87 118,119 114 009,010

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5014 1	Bosch VW	1 006 209 552,594,912 02A 911 335 D	12/28 x 79 10 teeth Splines 10 E AC	0 001 110 031,032,061,062 084,085
				
<b>NEW</b> 4 5015 1	Bosch VW	1 006 209 579,917 9 001 081 010 F 000 AL1 704 02A 911 335 C	12/28 x 76 10 teeth Splines 10 E AC	0 001 107 003,004,022,023 9 000 081 001,002
				
<b>NEW</b> 4 5017 1	Bosch Fiat PSA Renault VW	1 006 209 584 1 006 209 600 1 006 209 686 9 001 081 033 9943565 5835.A8 7701049503 053 911 335 A	12/28 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
				
<b>NEW</b> 4 5021 1	Bosch Fiat Opel	1 006 209 618,638,667, 672,677,690, 787,937 9947831 90543728	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
				
<b>NEW</b> 4 5022 1	Bosch VW	1 006 209 621 1 006 209 648 1 006 209 699 02T 911 335 047 911 335 D	11/28 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
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5024 1	Bosch VW	1 006 209 628 1 006 209 649 1 006 209 758 047 911 335 F	11/26 x 81 9 teeth Splines 16 E AC	0 001 124 003,004,013,014 0 001 125 005,006,009,035
				
<b>NEW</b> 4 5025 1	Bosch Fiat	1 006 209 624,633,692, 696,706,715, 944 9948703	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
				
<b>NEW</b> 4 5031 1	Bosch Fiat	1 006 209 645 1 006 209 802 1 006 209 950 9947843	12/29 x 49 9 teeth Splines 10 E CW	0 001 109 025,030,033,035,045 200,201,253,267-270
				
<b>NEW</b> 4 5032 1	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>NEW</b> 4 5033 1	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>NEW</b> 4 5035 1	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
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5036 1	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>NEW</b> 4 5038 1	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>NEW</b> 4 5039 1	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
				
<b>NEW</b> 4 5040 1	Bosch MB	0 952 236 000 6 033 AD0 442 6 033 AD0 462 6 033 AD3 006 6 033 AD3 108 6 033 AD3 850 6 033 AD4 034 9 002 336 236 001 151 18 13 001 151 32 13	14.3/34 x 82 9 teeth Splines 10 E CW	0 001 230 001,006,012 231 002,003,005,018
				
<b>NEW</b> 4 5042 1	Bosch Fiat	1 006 209 653 1 006 209 751 1 006 209 947 9948378	12/26 x 49 9 teeth Splines 10 E CW	0 001 109 041,048,061,063 252,256,264
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5046 1	Bosch Opel VW	1 006 209 793 1 006 209 801 1 006 209 807 93176041 03G 911 335 B	11/26 x 48 9 teeth Splines 16 E CW	0 001 107 401- 406 408,409,421 427,428,435 436,446,447
				
<b>NEW</b> 4 5047 1	Bosch	1 006 209 804	11/27 x 48 10 teeth Splines 16 E CW	0 001 107 407,410 417,418
				
<b>NEW</b> 4 5048 1	Bosch	1 006 209 812	11/28 x 48 10 teeth Splines 16 E CW	0 001 108 400
				
<b>NEW</b> 4 5051 1	Bosch Toyota	1 006 209 695 28011-0D030	12/35 x 47 11 teeth Splines 10 E CW	0 001 107 088 28100-0D030
				
<b>NEW</b> 4 5057 1	Bosch MB	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
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5058 1	 Bosch Fiat Iveco	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
<b>NEW</b> 4 5059 1	 Bosch Fiat Remy Volvo	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
<b>NEW</b> 4 5061 1	 Bosch Fiat Ford Opel PSA Volvo	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 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	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 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>NEW</b> 4 5062 1	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>NEW</b> 4 5063 1	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>NEW</b> 4 5064 1	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>NEW</b> 4 5065 1	Bosch	6 003 AD5 055 6 003 AD5 078	20.8/30 x 128 19 teeth Splines 7 E CW	0 001 241 001,003,004 005,006,007 014,015,019
				
<b>NEW</b> 4 5066 1	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
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5070 1	Bosch Toyota	1 006 209 799 1 006 209 981 28011-0D130	1 1/29 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 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
				
<b>NEW</b> 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
				
<b>NEW</b> 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.
<b>NEW</b> 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>NEW</b> 4 5055 1	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



<b>NEW</b> 4 5056 1	Lucas  Marelli	54247034,7036 54247134 54295155 60600024 TMB120 54247034 54295155 85541490	17/39 x 73 10 teeth Splines 12 E CW	26236L 26238M,Q 26248M 26256H 26259L,N 26264H,K 26271F,J 26279F,K 26281F,J
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IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5018 1	Fiat Marelli	9945556 85540971 85541780	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
				
<b>NEW</b> 4 5029 1	Marelli	85540831 85541050	12/28 x 53 10 teeth Splines 10 E CW	63223433
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5009 1	Melco Mando Melroe Mazda	M191T22771 1D30 2128 6D19 E356 18 X45	12/28 x 55 8 teeth Splines 8 E CW	M3T21882 M3T22581 M3T30881 M3T33981 E365 18 400B
				
<b>NEW</b> 4 5011 1	Melco Mitsubishi Mazda Nissan Suzuki	M191T22071 M191T22371 M191T22971 M191T23071 M191T23471 MD607894,MD611372 B630 18 X45 23354 42L10 31320 79030, 31320 82130	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
				
<b>NEW</b> 4 5016 1	Melco Mitsubishi Nissan Mazda	M191T12070 M191T12071 M191T12471 MD611211 23354 42 L70 AM15 18 X25	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
				
<b>NEW</b> 4 5019 1	Melco Mitsubishi	M191T13671 M191T14671 M357X91372	12/32 x 51 12 teeth Splines 8 E CW	M1T80081 M1T90281
				
<b>NEW</b> 4 5028 1	Melco Mitsubishi	M191T15071 M191X68071 MD618963	13/33 x 51 10 teeth Splines 8 E CW	M2T80582 M2T84071 M2T84171 M2T87171
				

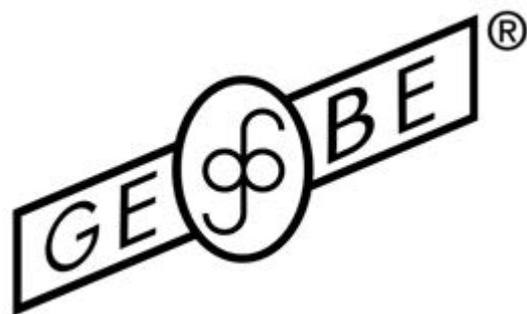
IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5030 1	Melco	M191X67771 M191X67871 M191X68671	14.8/19.9 x 110 20 teeth Splines 5 E CW	M8T50071 M8T50171 M8T75171 M8T80071
				
<b>NEW</b> 4 5034 1	Melco Mitsubishi	M191T68471 M191X68471 MD619204	13/38 x 51 12 teeth Splines 8 E CW	M2T87971 M2T88071
				
<b>NEW</b> 4 5050 1	Melco	M191T94571	13/32 x 51 12 teeth Splines 8 E CW	5033125 M2T88571 M2T88572
				
<b>NEW</b> 4 5072 1	Melco	M191X69271	13/30 x 51 9 teeth Splines 8E CW	M2T84771
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 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
<b>NEW</b> 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>NEW</b> 4 5004 1	Valeo	105538 182047,185182 594245 NE209,NE883	12/32 x 61 12 teeth Splines 9 E CW	D9R73 D9R134
				
<b>NEW</b> 4 5012 1	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>NEW</b> 4 5020 1	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>NEW</b> 4 5023 1	Valeo	186798 594177,594252	12/28 x 51 10 teeth Splines 5 E CW	D6RA56 D6RA62 D6RA133
				
<b>NEW</b> 4 5026 1	Valeo	187336,187863,187996 188251 594287 NE949	11/25 x 41 9 teeth Splines 10 E CW	D7E1 D7E5 D7E16 D7E39
				
<b>NEW</b> 4 5041 1	Valeo	059427 594279 187528	12/29 x 54 11 teeth Splines 10 E CW	D7R19 D7R28
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5043 1	Valeo	188993 594410	12/32 x 54 10 teeth Splines 9 E CW	D7R34 D7R53
				
<b>NEW</b> 4 5045 1	Valeo	187328 594248 NE878	12/26 x 57 9 teeth Splines 5 E CW	D6RA68 D6RA168
				
<b>NEW</b> 4 5053 1	Valeo	191601	12/26 x 45 9 teeth Splines 5 E CW	D6G1, D6G3, D6G32 D6G98
				
<b>NEW</b> 4 5054 1	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>NEW</b> 4 5060 1	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>NEW</b> 4 5067 1	Valeo	193462 594729	12/28 x 73 10 teeth Splines 9 E CW	D7G15, D7G18, D7G22
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5068 1	Valeo	191769	11/24 x 41 8 teeth Splines 5 E CW	TS10E4 TS10E5
<b>NEW</b> 4 5071 1	Valeo	192929 594631	12/29 x 46 11 teeth Splines 10 E CW	D7G3 TS18E13



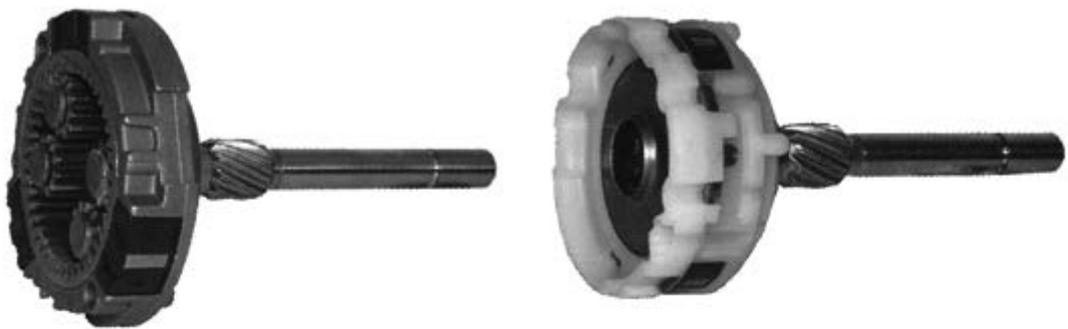
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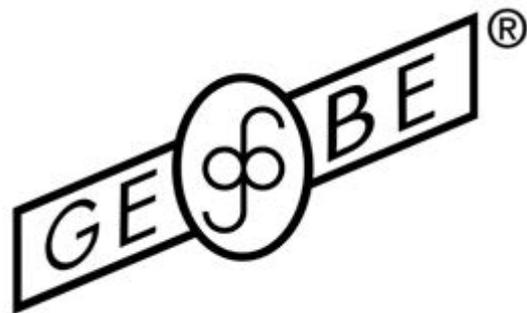
# 4

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
			
4 2371 1	Bosch	1 006 200 087,145 O.E.REBUILT 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
			

IKA-No.	Original	References	Unit-Nos.	
	4 2378 1	Bosch	1 006 200 068,135 O.E.REBUILT  Outer Gear 4 2201 0	0 001 108 130,133,138,210
	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

IKA-No.	Original	References	Unit-Nos.
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
			
4 2386 0	Bosch	1 006 200 136  Outer Gear 4 2246 0	0 001 109 034,063 Toyota 28100-0B020
			
4 2387 0	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
			
4 2388 0	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
			
4 2389 0	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

IKA-No.	Original	References	Unit-Nos.
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4 2390 0

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 2513 1	Ford-Visteon	PMGR Outer Gear 4 2247 0	1S7U-11000-BA,-BB,-BC 2S7T-11000-DA,-DB 31CA-11000-AB 97CA-11000-AB XS7U-11000-AB,-BA YC1U-11000-AA,-AB,-AC,-AD,-AE,-AF
			
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
			

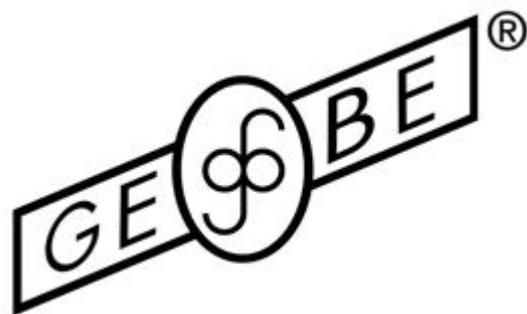
IKA-No.      Original      References      Unit-Nos.

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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
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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
			



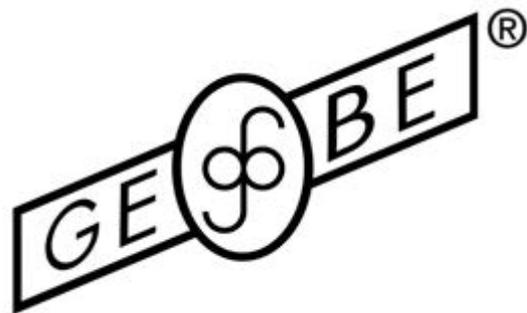
# 5

ERSATZTEILE FÜR GETRIEBESTARTER

COMPONENTS FOR GEAR STARTERS

PIECES DE RECHANGE POUR DEMARREURS  
A REDUCTEUR





	IKA-No.	Original	References	Unit-Nos.
	4 2200 0	Bosch	1 005 821 340 1 005 821 362	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 F 000 ALO 128 F 002 G20 318
	4 2201 0	Bosch	1 005 821 300,307,311	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
	4 2202 0	Bosch	1 005 821 303	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
	4 2203 0	Bosch	1 005 821 308,317 1 005 821 352	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

IKA-No.	Original	References	Unit-Nos.
	<b>4 2204 0</b>	Bosch 1 005 821 306	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
	<b>4 2205 0</b>	Bosch 9 001 140 322 Plastic Gear	0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
	<b>4 2206 0</b>	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
	<b>4 2207 0</b>	Bosch 1 005 821 312	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
	<b>4 2208 0</b>	Bosch 1 005 821 313	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	1 005 521 314	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 9 000 694 051,052
			
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 1 005 821 333	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 9 002 338 850	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

	IKA-No.	Original	References	Unit-Nos.
	4 2251 1	Bosch	4 2200 0 w.Rubber (3)	0 001 107 ... / 108 ... 0 001 115 ... / 121 ... 0 001 137 ...
<b>NEW</b>	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 ...
<b>NEW</b>	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

	IKA-No.	Original	References	Unit-Nos.
	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 ...
	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
<b>NEW</b>	4 2280 1	Bosch	Outer Gear Kit 121	0 001 121 006-011,016-019,024-029 F 002 G20 318 F 004 A94 029
<b>NEW</b>	4 2391 0	Bosch	1 006 200 137	0 001 121 006-011,016-019,024-029 F 002 G20 318 F 004 A94 029
<b>NEW</b>	4 2392 0	Bosch	1 006 200 923 Outer Gear 4 2200 0	0 001 137 001-006,011,012 Start/Stop

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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# 6

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	<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 2 000 301 020	<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	8.06/11.12x08
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

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 056 1 000 301 083 FORD E90Z-11135-A VALEO D7E DE	<b>bulk</b> <b>4 4056 0</b>	packed by 10 4 4056 1  alternative HK1010	10.06/14.1x10  1 000 917 003 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 1 000 301 066 1 000 301 082 1 000 301 120	<b>bulk</b> <b>4 4066 0</b>	packed by 10 n.a.  O.E. split bushing	12.10/13.62x18.8
BOSCH 1 000 301 080 1 000 301 091	<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 4 4077 1	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
BOSCH 2 000 301 000	<b>bulk</b> <b>4 4103 0</b>	packed by 10 4 4103 1	12.56/16.6x18

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 2 000 301 004	<b>bulk</b> <b>4 4104 0</b>	packed by 10 n.a.	16.67/19.6x19
BOSCH 2 000 301 005	<b>bulk</b> <b>4 4105 0</b>	packed by 10 n.a.	22.08/26.1x23
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	<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 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 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 Starter Drive	<b>bulk</b> <b>4 4310 0</b>	packed by 10 n.a.	11.6/13.5x18
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 Gear Starter	<b>bulk</b> <b>4 4477 0</b>	packed by 10 n.a.	22.05/26.28x5.2
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 M409D32201 M410D30171	<b>bulk</b> <b>4 4460 0</b>	packed by 10 n.a.	14.2/17.2x13
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 Starter Drive large	<b>bulk</b> <b>4 4481 0</b>	packed by 10 n.a.	18.8/20.0x11.5
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 390 905 551 PAST. T815 bronze	<b>bulk</b> <b>4 4242 0</b>	packed by 10 4 4242 1	22.04 /26.03x27.4
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 395 904 551 PAST. LIAZ T. steel	<b>bulk</b> <b>4 4246 0</b>	packed by 10 4 4246 1	22.04 /26.03x27.4
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

Original	IKA-No.	IKA-No.	Dimensions
REMY US 183 9345 drive	<b>bulk</b> <b>4 4200 0</b>	packed by 10 n.a.	12.8 /14.35x19.8
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 193 2190 drive Opel DR 2003	<b>bulk</b> <b>4 4203 0</b>	packed by 10 n.a.	12 /13.2x12
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 4 4260 1	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 2130,2134	<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.	6/9x7
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

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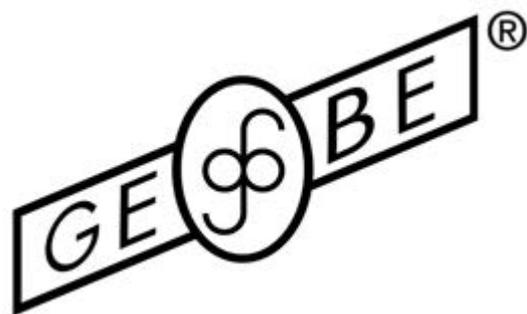
# 7

NADELLAGER

NEEDLE BEARINGS

ROULEMENTS A AIGUILLES





# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 2256 0	INA	HK 0608	06.00 / 10.00 x 08.00	
8 2258 0	INA	HK 0609	06.00 / 10.00 x 09.00	
8 2260 0	INA	HK 0509	05.00 / 09.00 x 09.00	
8 2269 0	Valeo INA	186663 HK 0408	04.00 / 08.00 x 08.00	D6RA67,81,167,181,183 D6RADP359
8 4079 0	INA	HK 1210	12.00 / 16.00 x 10.00	
8 4090 0	Bosch  INA	1 000 917 009 1 000 917 010 1 000 917 012 F-235208/02/04	28 / 35.2 x 14.62	0 001 120 400-411 0 001 121 032,033,402,403, 408-413,422,423,427-430 443,444 0 001 122 201,202,400-403 0 001 123 002,003,012-021,024-029, 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
8 4091 0	Bosch INA	9 003 330 901 NK 10/17 TN	10.00 / 17.00 x 12.00	9 000 331 201
8 4092 0	Bosch INA	2 000 910 013 BCH F-220469	15.87 / 23.80 x 21.90 (closed)	0 001 370 003,004 0 001 371 004-010,012-020
8 4094 0	Bosch INA	1 000 917 007 F-229411	31.00 / 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 F 002 G20 310,314,475,553,570,594, 669,670
8 4095 0	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
8 4096 0	Bosch INA Marelli Valeo	1 000 917 003 HK 1010 708 040 060 185 951	10.00 / 14.00 x 10.00	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,
			alternative product for bushing 4 4056 0	

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				181,197,199,202,204,205, 213,214,217,218,222-224, 234,235,239,240,403,404, 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 /18 x 14 mm	E95R DE
<b>8 4099 0</b>	INA	HK 1216 2RS	12.00 / 18.00 x 16.00	
<b>8 4207 0</b>	Remy INA	7451787 9437171 FC-66217	17.00 / 23.80 x 31.8(closed)	20SI,27SI Type 200 1100 056,057,061,062,066, 067,071-073,075-078, 080-083,086,087
<b>8 4208 0</b>	Ford-Visteon	SCE 98	14.29 / 19.05 x 12.7	1S7U-11000-BA,-BB YC1U-11000 AB,-AE
<b>8 4209 0</b>	Bosch	1 000 917 008	5 / 8.52 x 6.86	0 001 107 404,405,429,435,437

# NADELLAGER NEEDLE BEARINGS

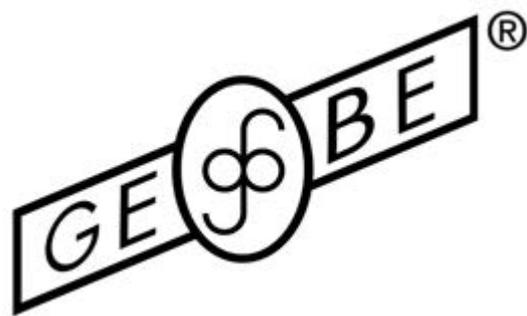
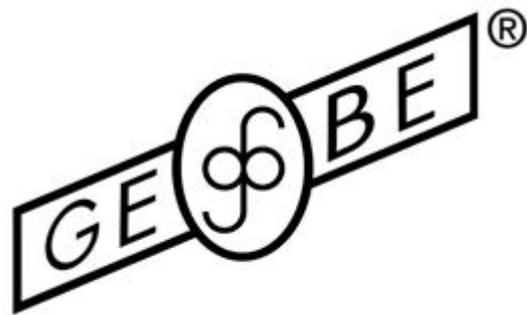
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	INA	F-231294		0 001 108 400,405,406 0 001 120 402,403
<b>8 4210 0</b>	Melco	DB501005C	10 / 15 x 15.4 (closed)	M2T87671 M2T88571
<b>8 8118 0</b>	INA	HK 1812	18.00 / 24.00 x 12.00	
<b>8 8161 0</b>	Melco		14.00 / 19.00 x 12.00 TLA141912ZE01	M2T66873,67884
	INA	HK 1419		
<b>8 8200 0</b>	Lucas	54160827 54207267,-268 UMB 113	17.00 / 23.80 x 17.40 (closed)	A127 24145A,-D,24156A,-D,24157A,-D 24158A,-D,24161A,-D
	Remy	943 6831,-7305,-8527 9441879		10SI,12SI,15SI,17SI,27SI 1047 9823,9825-9827,9832-9834, 9858,9860,9862,9864-9869
	Ford	D20Z-10A304-A		
	INA	BCH-06604 closed		
<b>8 8275 0</b>	Bosch	2 000 910 004	19.05 / 25.40 x 15.88	0 001 510 001-003,005,008-010, 017-041
	INA	SCE 1210 B		0 001 512 001,002
<b>8 8277 0</b>	Lucas	54207451 UMB 115,129	17.00 / 23.80 x 17.40 (open)	A127 w. vacuum pump 24188A,-C,24230A,-B,24246A, 24256A,-C,24273A,24274A, 24277A,24294A
	Remy	9437 221,-222		10DN series 1100 619,653,654,721,722,732, 735,773,806,821,822,887
	INA	BCH-06604 open SCH FC-65177		
<b>8 8305 0</b>	Melco	S933P65270	12.00 / 17.00 x 12.00 TLA121712	M2T92071,-A,92171,92172,-A 92271,-A,95071
<b>8 8314 0</b>	Melco	S933P70605,-70669	10.00 / 15.00 x 15.00 (closed) TLAM101515UE09	M0T83481,90781 M1T73681,74781,-A,74785, 90081,-A, M2T24081,24082,24181,24281 25081,25082
<b>8 8663 0</b>	Bosch	2 000 910 015	16 / 23.85 x 18.95	0 001 372 001-008
	INA	F-220469.1		
<b>8 8664 0</b>	Bosch	2 000 910 011	15.88 / 20.64 x 19.05	0 001 370 001,002
	INA	SCE 1012		0 001 371 001 9 000 453 029,067,068
<b>8 8665 0</b>	Bosch	2 000 910 012	22.00 / 28.00 x 16.00	0 001 370 001-004
	Ford	BE9H-11052-B TN49-11339-A		0 001 371 001,004-010,012-020 0 001 372 001-008
	Hitachi	2114-1411		9 000 453 029,064-068
	INA	HK 2216 2RS F-230978		
<b>8 8668 0</b>	Valeo	185 467	10.00 / 14.00 x 12.00	D7G11
	INA	HK 1012 RS		
<b>8 8671 0</b>	Hitachi	2130-1451	22.00 / 28.00 x 12.00 (closed)	
	INA	HK 2212		
<b>8 8672 0</b>	INA	HK 1412	14.00 / 20.00 x 12.00 mm	

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 8673 0	INA	HK 0810	08.00 / 12.00 x 10.0	
8 8674 0	INA	HK 0808	08.00 / 12.00 x 08.00	
8 8675 0	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
8 8677 0	Valeo INA	F-123861	26.10 / 33 x 13.70	D7E S5
8 8681 0	Ford Melco	SCE 116 BA 116 Z	17.46 / 22.23 x 09.5(closed)	M2T80582,-87671
8 8683 0	Remy  INA	9441512 10483523 SCE 146B	22.2 / 28.6 x 9.4	PG260F1 2102 0892,0893,1366,1648, 9000 0700,0751,0756,0758
8 8684 0	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
8 8693 0	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
8 8829 0	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
8 8981 0	Bosch Ford IVECO INA	6 033 AC 0093 F7RU-11448-EA 42535274 HK 1212	12.00 / 18.00 x 12.0	0 001 223 003,007,024 IVECO
8 8982 0	Melco INA	HK 1414 2RS	14.00 / 20.00 x 14.00 (closed)	M1T93171 ZC
8 8983 0	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,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				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	
<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		
	1 987 010 000	2	2 000 109 008	414 ... - 417		
		1	2 000 210 014	KB-Starter		
		1	2 000 212 000	24 Volt		
		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>		1 Kit	0 3814 1	0 001 416 ...	
		1 Relais	0 331 101 006	0 001 417 ...		
Kit		1 Relais	0 331 450 001			
w. relais+clutch		1 Clutch	2 006 401 527			
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 <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 2264 1	Bosch		Outer Gear Kit 107-02	Gear 1 006 200 083,087,105,125,145 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 M00 006,013
				
4 2272 1	Bosch		Gear Kit 110	Gear 1 006 200 016,019,034,039,055, 077,090,155,163,184, 902,904,908,909 F 010 AL1 030 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
				
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 2274 1	Bosch		Geart Kit 107-02	Gear 1 006 200 083,087,125,145 0 001 107 031,032,037,048,049,059,082 0 001 108 190 F 005 M00 006,013
				
4 2275 1	Bosch		Gear Kit 109/125	Gear 1 006 200 096,099,117,126,166 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 2276 1	Bosch		Gear Kit 124/125	Gear 1 006 200 088,100,109,118,122,143
				0 001 124 001-006,011-015 0 001 125 003,010,011,025,057-060 F 002 G20 658
				
4 2277 1	Bosch		Gear Kit 107-01	Gear 1 006 200 058,103,114
				0 001 107 017,018,044,045,054, 055,067-069,073,074,076
				
4 2279 1	Bosch		Gear Kit 115	Gear 1 006 200 105
				0 001 115 001,002,007,012,015,024
				
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

IKA-No.	Original	Qty.	References	Unit-Nos.
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	
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	0 001 108 068,069,103,104,123,134,148,150,153,160,167,170,172 181,197,199,202,204,205,213,214,217,218,222-224 995-999
		1	1 000 301 054 PG	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 4610 1	Bosch	1	1 000 917 004 DE	0 001 107 019,027,028,029,038,039,041,043,063,085,087
		1	1 000 301 056 CE	0 001 108 132,133,138,139,140,141,155,156,176-178,183, 188,206,207,210
		1	1 000 301 054 PG	0 001 115 009,016,017,031,032,035
4 4611 1	Bosch	1	2 000 301 036 DE	0 001 106 018,020
		1	1 000 301 056 CE	0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107, 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
		1	1 000 301 054 PG	0 001 109 001-003,006-008,017,028,029,047,049
		1	1 000 301 055 Shaft	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

IKA-No.	Original	Qty.	References	Unit-Nos.
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 4619 1	Bosch	1	9 001 140 384 DE	0 001 218 602,620
		1	9 003 330 317 CE	703,710-712,715,719,722,725,728,730,735-738,
		1	4 4052 0 PG	740-742,754,758,759,763-768,770-772,774-777,
		1	4 4057 0 Shaft	805,808,809,812,814-822
0 001 223 002,004,005,008,013,016,022,104				
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				
4 4621 1	Bosch	1	1 000 917 006 DE	0 001 107 415,429,431,432,437
		1	1 000 301 091 CE	0 001 108 444
		1	1 000 301 054 PG	F 002 G20 485
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	

IKA-No.	Original	Qty.	References	Unit-Nos.
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
4 4640 1	Bosch	1	2 000 301 019 DE	0 001 362 005-007,011-017,021-025, 033,037
		1	2 000 301 026 IM	0 001 363 101
		1	2 000 301 019 CE	JF 12/24 V
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
		1	2 000 301 041 IM	0 001 363 103-105,107-117,122,124-126,128, 130
		1	2 000 301 043 CE	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
<b>NEW</b> 4 4642 1	Bosch	1 007 010 144	1 000 917 010 1 000 301 056	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)
<b>NEW</b> 4 4643 1	Bosch	1 007 010 155	9 001 140 384 1 000 301 056	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)

IKA-No.	Original	Qty.	References	Unit-Nos.
<b>NEW</b> 4 4644 1	Bosch	6 033 AD5 158 w./o. seal ring	6 033 AC5 310 9 003 330 317	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)
4 4679 1	Bosch	1 1	2 000 301 015 DE 2 000 301 016 CE	0 001 410..../411... 0 001 414.... - 417.... KB 24V
4 4680 1	Bosch	1 1	2 000 301 036 DE 1 000 301 011 CE	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
4 4681 1	Bosch	1 1	1 000 301 012 DE 1 000 301 001 CE	0 001 311 030,031,101,103,105-110,112-114,118,120-126, 128,130-143,146,147,149,151,152 GF 12V
4 4682 1	Bosch	1 1	2 000 301 023 DE 1 000 301 011 CE	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
4 4683 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 1 900 301 420 CE	0 001 359.... 0 001 360.... JD 12 V / 24 V
4 4684 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 2 000 301 043 CE	0 001 362 051,052,063,064,082,093, 097,104,300-304,306,309, 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 0 001 368 001-029,032-035,037-040, 042-052,054-083,085-087, 300-302,304-307,309-313, 315-321 0 001 369 001,002,005,006,013,015-018, 021-023,200,201 JD 24 V JF 12/24 V
4 4685 1	Bosch	1 1	1 000 301 021 DE 1 000 301 001 CE	0 001 208 411,412,46,418,425,426,428 0 001 211 221,223,224,251,993 EF 12 V
4 4686 1	Bosch	1 1 1	1 000 301 021 DE 1 000 301 022 IM 1 000 301 021 CE	0 001 314 012,013 0 001 317 009,010,014,015,018-021 GF 12 V
4 4687 1	Bosch	1 1 1	1 000 301 011 DE 1 000 301 022 IM 1 000 301 001 CE	0 001 311 150 0 001 314 001-006,008-011,017,018,024-033, 035-038,040-043 0 001 315 002,004 0 001 316 003-009 0 001 317 005-008,011-013,016,017,022,023 025

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4688 1	Bosch	1	1 000 301 011 DE	0 001 362 038,047,069,070,077,078,083
		1	2 000 301 026 IM	600,601,604,605
		1	2 000 301 043 CE	0 001 363 106,119,120,123
				0 001 369 004 JF 12/24 V
4 4689 1	Bosch 2 007 010 121	1	2 000 301 000 DE	same application as 4 4684 1 with 2 additional bushes for starter drive
		1	2 000 301 041 IM	
		1	2 000 301 043 CE	
		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	Hitachi 2114-5352	Hitachi S114-850
	no	1	2114-44101	Opel Astra D
	no	1	2114-1353	Corso D

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	Mitsubishi	23338-01N10 MD607892 MD618334
4 4581 1	FBM-39	1	Melco M409C12970	Mazda	E356-18-X01
	FBM-38	1	M409C32370	Mitsubishi	E356-18-X81 MD607892 MD607898 MD607903
4 4587 1	FBM-16	1	Melco M410D11271	Mazda	0426-24-715,-A
	FBM-18	1	M410D12171 M409D32201 M410D30171 M409C32201 M648C32201	Mitsubishi	0222-24-741 MD602213 MD602686
				Nissan	23319-M0110 23338-P0610

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4669 1	Remy	2	3471553 / 3471069	3471 141,143,144,150,155,169,170 Opel

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	

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	
4 4645 1	Valeo	1 1 1	105 464 105 465 105 715	D9R
4 4647 1	Valeo	1 1 2	20/24x5.0 IM 7/10x6.1 DS 185 951 CE/DE	D7R8/9/12
4 4648 1	Valeo	1 1 1 1	20/24x5.0 IM 7/10x6.1 DS 185 936 DE 185 951 CE	D7R5
4 4649 1	Valeo	1 1 1 1	185 951 DE 97.726 CE 20/24x5.0 IM 7/10x6.1 DS	D7R1-4,11,15
4 4650 1	Valeo	1 1 1 1	12/15x10 DE 18/22x 5 IM 6/10-13.7x8 CE 6.1/9.1x 7 DS	D6RA 4 bushes
4 4651 1	Valeo	1 1 1	12/15x10 DE 18/22x 5 IM 6/10-13.7x 8 CE	DR6RA 3 bushes
4 4653 1	Valeo PR 182 140	1 1 1 1	30828 50488 51914 96485	D11E163,164,169,172,173,176,177,178, 187,188,192,272
4 4654 1	Valeo PR 182 158	1 1 1	55330 71381 74330	D13E76,77,86 TE,87 TE,90 TE,93 TE,94 TE, 96 TE,107 TE,109 TE,110 TE,117 TE,118 TE
4 4656 1	Valeo PR 182 142	1 1 1	30828 51914 95654	D11E184,189,191,195,197,198
4 4657 1	Valeo PR 182 139	1 1 1 1	30828 47852 95654 96485	D11E142,143,153,T,154,155,156,158,159,160, 165,167 T,170,180,202
4 4658 1	Valeo PR 182 136	1 1 1 1	30828 47852 48499 50488	D11E58,69,75,78,84,92,T,108,118,119,T,120, 131,137,139,T,141,144,146,148,161,193

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

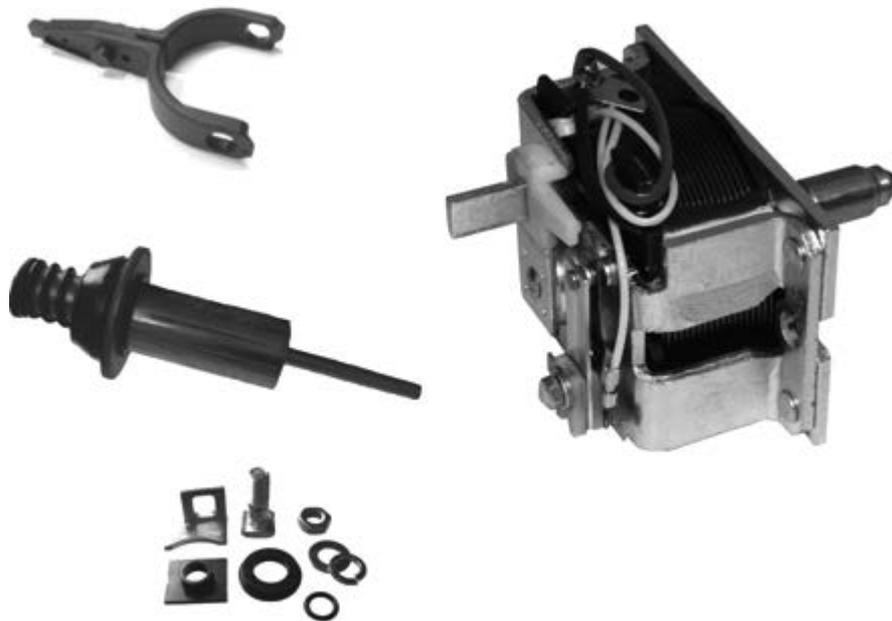


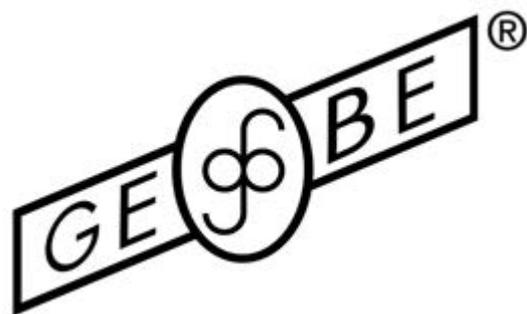
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VERSCHIEDENE STARTERTEILE

VARIOUS STARTER PARTS

DIVERSES PIECES DE DEMARREURS



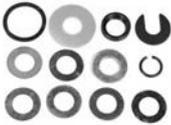


**VERSCHIEDENE STARTERTEILE**  
**VARIOUS STARTER PARTS**

**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

IKA-No.	Original	References	Unit-Nos.
4 0752 0	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
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
			

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

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

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

**BOSCH**

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>4 7148 0</b>	Bosch	2 001 933 149 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...
	<b>4 7149 0</b>	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 ...
	<b>7 7050 1</b>	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 92/77 mm	
	<b>7 7051 1</b>	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 105/90 mm	
	<b>7 7052 1</b>	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 105/90 mm	
	<b>7 7053 1</b>	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 105/90 mm	

IKA-No.	Original	References	Unit-Nos.
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	
			
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	
			

IKA-No.	Original	References	Unit-Nos.
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



**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**DENSO**

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	028000-8370 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.
	4 3528 0	Denso	028099-7202 028099-7800,-7812  Contact Kit	228000-2120,-2690,-2860, -2990 2.0 kW
	4 3529 0	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
	4 3530 0	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
	4 3531 0	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
	4 3532 0	Denso	128099-3170  Contact Kit	128000-3080,-3081,-3082, -3512,-3513,-3514, 228000-1671,-5641,-7550 2.5/ 4.5 kW
	4 3533 0	Denso	028099-2690,-2691  Contact Kit	028000-4800,-5000,-5300, -5301,-5570,-5571, -5651,-5652,-5660 2.5/ 4.5 kW

IKA-No.

Original

References

Unit-Nos.

4 3534 0

Denso

028099-6600

128000-3380, -3381, -3420

Contact Kit



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



**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**VALEO**

IKA-No.	Original	References	Unit-Nos.
4 0774 2	Valeo	Spring-Kit D7R Brush Holder 7 7157 1	D7R all units
4 0775 2	Valeo	Spring-Kit PSX 146-147 Brush Holder 7 7150 1	D6RA 8,10
4 0776 2	Valeo	Spring-Kit PSX 148-149 Brush Holder 7 7151 1	D6RA all units w. exception of D6RA8/10 see 4 0775 2
4 0777 2	Valeo	Spring-Kit PSX 133 Brush Holder 7 7153 1	D9E 2-Brushes version
4 0778 2	Valeo	Spring-Kit PSX 129 Brush Holder 7 7152 1	D9E 4-Brushes version
4 1000 0	Valeo	Stop Collar Kit 073294	D9R...
4 1001 0	Valeo	Stop Collar Kit 594084	D6RA...
4 1002 0	Valeo	Stop Collar Kit 097804	D9E...
4 3836 1	Valeo	594528, 594530 Armature 7 teeth	D6RA67,76-81,91,100,101,104 105,107-110,115,167,180, 181
4 3838 1	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
4 3839 1	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
	4 7154 0	Valeo	Lever	D7R..
	4 7155 0	Valeo	Lever	D9E...,D9R..

VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

VALEO

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

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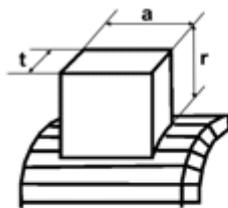
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KOHLEBÜRSTEN

CARBON BRUSHES

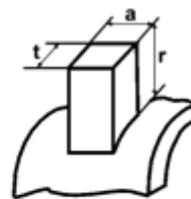
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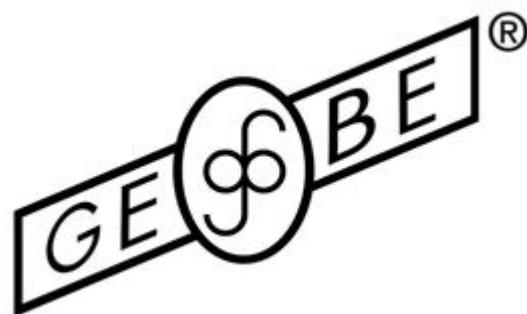
Starter

t x a x r  
10 x 20 x 20mm



Alternator

t x a x r  
10 x 5 x 20mm



# KOHLEBÜRSTEN CARBON BRUSHES

# BOSCH

	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 2 104 320 105, 106	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	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	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 1044 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 1075 1</b> 2-B 165	Bosch	1 107 014 128,140,146 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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<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, 207 005,09-11,13-15,18 208 002,03,05,07-11 209 002,03,07-09,14,18, 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> <b>P/N 0 1051 1</b> 2-B 182	Bosch 1 127 014 009 1 124 320 029	10 x 5 x 17	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 K1(L/R)14V35/55A20 28/45/50/55A22 K1-14V35A20,45A24
	<b>BX 185</b> <b>P/N 0 1052 1</b> 2-B 185	Bosch 1 127 014 011 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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 188</b> <b>P/N 0 1079 1</b> 4-B 188	Bosch	2 017 014 100,105 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
	<b>BX 190</b> <b>P/N 0 1080 1</b> 2-B 190	Bosch	1 127 014 012 1 124 320 025,43,57	10 x 5 x 17	0 120 340 001-006,008 G1 14V20A
	<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	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	1 127 014 014 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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<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
	<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 1BY 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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				NL1 28V45-80A 12/24 Volt



<b>BX 208</b> <b>P/N 0 1063 1</b> 2-B 208	Bosch	1 127 014 028 w/o.wire  1 124 320 076, 078 F 00M 145 800 brush with flex and insulation	6 x 4 x 17,5	compact generator slipring 14 mm same application as BX 213 12/24 Volt
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<b>BX 209</b> <b>P/N 0 1065 1</b> 2-B 209	Bosch	1 127 014 019,021  1 124 320 061	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
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<b>BX 213</b> <b>P/N 0 1065 1</b> 2-B 213	Bosch	1 127 014 028  1 124 320 077	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
	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				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, 029-031,500 525 001,500-503 540 001-004 545 001-004 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
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<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
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<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	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
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<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	8 x 5 x 17,5	0 120 469 847,848 488 206, 294 K1 28V, 45A-90A 24 Volt
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IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BX 220</b>	Bosch	6 x 4 x 17,5	0 124 215 001-006,008
	<b>P/N 0 1083 1</b> 2-B 220	F 00M 145 810		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, 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
		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		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JAAX 5-8</b>	Denso			12 Volt
	<b>P/N 0 1907 1</b>				
	1-JAA 5		21660-040/060	10 x 5 x 20/18,5	
			21660-090/160		
	1-JAA 8		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>	Denso			12 Volt
	<b>P/N 0 1900 1</b>				
	2-JAA 9		21660-0130		
		Daihatsu	27371-31011/-87202	8 x 5 x 18/16,5	
		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>	Denso			12 Volt
	<b>P/N 0 1899 1</b>				
	2-JAA 10		21660-0320	5 x 8 x 17,6	
	Honda	31144-671-004			
	<b>JAAX 28</b>	Denso			12 Volt
	<b>P/N 0 1917 1</b>				
	2-JAA 28		21660-0330	8 x 5 x 22,5/20,3	
		Daihatsu	27371-44070		
	Toyota	27371-44070			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	
	<b>JAAX 33</b>	Denso		12 Volt	
	<b>P/N 0 1913 1</b>				
	2-JAA 33	21660-0311 21660-0530	8 x 5 x 28,5/26		
		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		12 Volt
<b>P/N 0 1915 1</b>					
2-JAA 35		21660-0390 21660-0510	7 x 5 x 15		
		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		
		Mitsubishi	KL47-18-W75 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		12 Volt
		<b>P/N 0 1919 1</b>			
		2-JAA 38	21660-0370	8 x 5 x 22/19,5	
		Toyota	27371-44071		

# KOHLEBÜRSTEN CARBON BRUSHES

# FIAT

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	4136135 74996101	6 x 16,5 x 20,5
	<b>JX 30-31</b> <b>P/N 0 1415 1</b> 1-J 30/J 33	Fiat Fiat Marelli 4190088,4297856 74995241	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
	1-J 31	Fiat Marelli 4190090 74990451	8 x 5 x 16/14,5	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 4274790 74992271	8 x 5 x 15,5/14,3	A108-14V-33A AA108-14V-33A 12/24 Volt
	Fiat Marelli 4274791 74992281,79703271			
	<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	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 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	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	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

12 Volt

L150-23251-23252	7 x 5 x 21,5/20,5
L150-43301-83251	
L150M-13251-13261	
L160-33152	
L225-13251,13261,23321	
L240-13251,13261	
L290-1325	

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

Subaru

49574-7101
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**JAAX 37**  
**P/N 0 1918 1**  
2-JAA 37

Hitachi

12 Volt

L170-2325/-4325	8 x 5 x 26,5/25
L180-1325	
L1110-1325	

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	8-9446-2850-0		
	Nissan	23142-58S00		
	Subaru	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LAX 80-81</b> <b>P/N 0 1569 1</b> 1-LA 80 1-LA 81	Lucas 60600780 ULB 105 54203641	7 x 4 x 22/20 7 x 4 x 22/20	23983-86,96-99 24020,23-28,34-38,49,51-54,58,59 61-72,79,82,83,85-90,94-96,98,99 24112,14-19,28,31-37,44,47,49,51,53, 64-66,70,77-85,89-92 24204,10,11,37 A115/133 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 LAX 80-81, LAX 80-83, LAX 84-85, LAX 86	7 x 4 x 22/20	A127 12 Volt
	<b>LAX 86</b> <b>P/N 0 1573 1</b> 2-LA 86	Lucas 54390877	7 x 4 x 23	A127 12 Volt

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



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

6,5 x 4,5 x 13,7/15

AR150CA  
12 Volt

	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>	Melco			12 Volt
	<b>P/N 0 1909 1</b> 2-JAA 31		A648D01970 A648D01971	7 x 6 x 23	
		Mazda	8599-24-522		
		Mitsubishi	ME700424 ME701186 MM502377 42752-03021		
		Nissan	23135-J5500 23135-W1710		
	<b>JAAX 34</b>	Melco			12 Volt
	<b>P/N 0 1914 1</b> 2-JAA 34		A648C02970 A648D02570 A648D02571	8 x 5 x 18 / 16,5	
		Mazda	B675-18-W77 FE65-24-522 F811-18-W77		
		Mitsubishi	MD611035 MD611566		
		Nissan	23135-13E10		
		Subaru	49574-6404		
	<b>JAAX 36</b>	Melco			12 Volt
	<b>P/N 0 1916 1</b> 2-JAA 36		A648D02770 A648D03070 A990D03070	8 x 5 x 23 / 21,5	Renault A4T ...
		Mazda	FE2H-18-W77 JE15-18-W77		
		Mitsubishi	MD611689		
		Nissan	23135-59E10 23135-64J12 23135-V5511		
	<b>JAAX 36 ST</b>	Melco			12 Volt
	<b>P/N 0 1903 1</b> 2-JAA 36 ST		A647X50170 A647X50270 A647X50870 with spring and terminal	8 x 5 x 23 / 21,5	

	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 12V
	<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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 132-133</b>	Remy			CS 121,130
	<b>P/N 0 1290 1</b>				1101196,1199,1551
	1-R132		1989661	8 x 5 x 22,5	3472171 12 Volt
	1-R133		1989660	8 x 5 x 22,5	Opel, Renault
			Brush holder: 1989651		
	<b>RX 140-141</b>	Remy			CS 130D latest model
	<b>P/N 0 1263 1</b>				10479214,15
	1-R140			8 x 4,5 x 22	10479981,84
	1-R141			8 x 4,5 x 22	10480052,71,187-190 12 Volt
			Brush holder: 10475746		Opel, Chevrolet, Saab, Vauxhall
	<b>RX 142-143</b>	Remy			CS 130D
	<b>P/N 0 1261 1</b>				10479914,23,47,55
	1-R142			8 x 4,5 x 22	3493947 12 Volt
	1-R143			8 x 4,5 x 22	Opel, Chevrolet, Saab, Vauxhall
			Brush holder: 10475011		

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	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 Volt
	<b>PX 56</b> <b>P/N 0 1715 1</b> 2-P 56	Valeo Paris Rhone 092669,092746, 092850,096302, 300 686 8d 84 Brush holder: 092672,092743	7 x 5 x 19	A11R4 A12R16,17,42 A13R113T,173,182TE,201TE A16R100-103,105,106,120-124,140,141,150-152, 160,161,180,190-194,200,210-212,220-222, 230-233,240,242,246,250,260-262 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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PX 61</b>				A14Vi19,20
	<b>P/N 0 1720 1</b> 2-P 61	Valeo	2546443  Regulator: 593260, 593357	6,4 x 4,6 x 14,2	2541873 2541916 24 Volt
	<b>SVX 7/9</b>	Valeo	300 796, 300 821		Motorola 2518032-452 2940020-930 2941095-447 9AL2502K-6027K 9AR2500K-6095G
	<b>P/N 0 1781 1</b> 2-SV 7/9		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	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>				A13V/Vi
	<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	A14V/Vi 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>UX 71-72</b> <b>P/N 0 1320 1</b>	Valeo Ducellier 23268  23062 23064	5 x 4 x 8 5 x 4 x 8	7522BC,32ABCDE,34ABCDE 12 Volt
	<b>UX 82-83/0</b> <b>P/N 0 1323 1</b> 2-U82-83/0	w/o. spring and terminal  replacement for Brush-Sets UX 79-80, UX 82-83, UX 85	6 x 4.5 x 15	12 Volt
	<b>UX 87-88/0</b> <b>P/N 0 1327 1</b> 2-U 87-88/0	w/o. spring and terminal  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	7 x 4 x 15	12 Volt

# 11

BÜRSTENHALTER / REGLER

BRUSH BOXES / REGULATORS

PORTE-CHARBONS / REGULATEURS





	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	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.
<b>NEW</b> 	1 4000 1	Valeo	599241	FG18S012 12V
<b>NEW</b> 	1 4001 1	Valeo	599101	TG17C010 12V
<b>NEW</b> 	1 4002 1	Valeo	599102	TG17C021 12V
<b>NEW</b> 	1 4003 1	Valeo	593434	SG12B040 SG12B054 SG12S019 SG15S032 SG9B054 12V
<b>NEW</b> 	1 4004 1	Valeo	593689	SG12B081 SG12B09 SG12B096/-097 SG12B103/-105 TG11C010/-011 TG11C022/-027 TG11C034/-049 TG15C058 TG8S017 12V
<b>NEW</b> 	1 4005 1	Valeo	593779	SG15L012 SG15L026 12V

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	1 4006 1	Valeo	593780	SG12B062 TG15C018 12V
				
<b>NEW</b>	1 4007 1	Valeo	593793	TG15C012 12V
				
<b>NEW</b>	1 4008 1	Valeo	593771	SG14B017 12V
				
<b>NEW</b>	1 4009 1	Valeo	595354	TG10B013 TG15C020/-022 TG15C054 12V
				
<b>NEW</b>	1 4010 1	Valeo	595458	TG16C010 TG16C012 TG17C040 12V
				
<b>NEW</b>	1 4011 1	Valeo	593970	TG15C121 12V
				

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	1 4012 1	Valeo	595243	TG17C041 12V
				
<b>NEW</b>	1 4013 1	Valeo	593532	SG15S016/-018 SG15S021/-022 TG15C115/-116 12 V
				

# 12

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	1 124 303 000-003,005, 009-013,015-017, 021,024-031,035, 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	0 120 465,485... 0 123 ... 0 124 ...
				
<b>NEW</b> 1 2051 0	BOSCH	Rotor No.: F 00M 571 600	5,05/13,69 x 8	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
				
<b>NEW</b> 1 2050 0	DENSO FORD	slip ring	5,95/14,50 x 8,50	104210-3630 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	
				

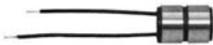
# SCHLEIFRINGE SLIPRINGS

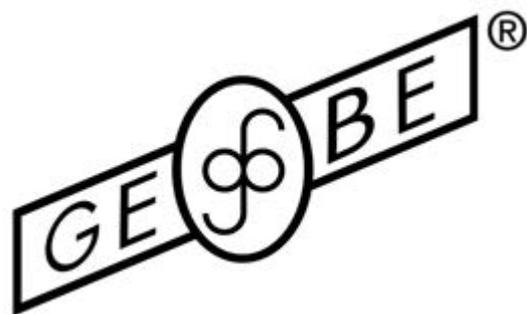
IKA-No.	Original	References	Dimensions	Unit-Nos.
1 2022 0	MOTOROLA	512-003	18-20/32 x 22.5	
				
1 2023 0	MOTOROLA	512-004	17/32 x 22.5 mm	
				
1 2034 0	MOTOROLA	slip ring	15/26.5 x 22.6 mm	2940304,05,07,09,11, 71,74
				
1 2007 0	REMY	1989640	13.2/26.4 x 23.8 mm	1101196,1199,1551 CS 121,130
				
1 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 2542851 SG12B080
<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	028 903 119 AP,-S F-226556.4 / .5/.6/.7/.10			
<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	16 907 299 028 903 165 A 038 903 119 038 903 165 F-226804 / .4/.5/.7/.08/.09			
<b>3 3517 1</b>		Bosch	1 126 601 565 1 127 011 846 F 00M 991 389 6M21-10344-AA 95VW-10344-CA,-FA	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	028 903 119 AA,-AQ 028 903 165 B F-225355/ .3 / .4/.5 F-225355.6 / .7/.10/.11			
<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 O812 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	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			
<b>3 3520 1</b>		Bosch	F 00M 147 600 F 00M 147 737,801 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, 0 124 325 083,101,130,131, 0 124 325 178 0 124 515 010,022,101,117 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 0 125 811 009,027,208,036 F 000 BL0 462 B3-90 90A E4/E8 140A / LI-XM 2.5 EL8/H8P 180A M8/M8E/MP10/P10 140/180A	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/ 1.9TDI, -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 1.9 SDI/TDI Exeo 1.6/1.8/1.9 SDI/TDI Leon ,Toledo 1.6/1.8/1.9 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 Yeti 2.0TDI,-4x4 VW Bora 1.6,-Variant, 1.8T,-Variant, Bora 1.9 SDI/TDI,-4Motion,-Variant
		Valeo Hitachi Ford Iskra PAL Magnetron 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  continued			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application	
		3 3520 1 continued		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 Bora 2.0/2.3/2.8,-4Motion,-Variant Caddy 1.9/2.0 SDI/TDI California T5 1.9/2.0/3.2TD/TDI Caravelle T5 1.9TDI/2.0 3.2,-4Motion CC 2.0TDI,-4Motion Crafter 30/35/50 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, 1.9 TDI, 2.0 FSI, 3.2 Golf VI /-Variant 1.6, 2.0 TDI/GTi, Jetta III + IV 1.6, 1.9, 2.0 TDI 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, 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 Touran 1.6, 1.9, 2.0 TDI Transporter T5 1.9 TDI Transporter T5 2.0,-3.2,-4-Motion
<b>3 3521 1</b>	Bosch  VW INA	1 126 601 567 1 127 011 848 F 00M 992 711 058 903 119 C 058 903 165 F-226322.04 / .05 F-226322.07 / .12	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	
						
<b>3 3522 1</b>	Bosch  Iskra VW INA	1 126 601 566 1 127 011 847 F 00M 991 390  028 903 119 T 028 906 165 F-225653.3 / .4 / .5 / .8 F-225653.9 / .12 / .13	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	
						
<b>3 3524 1</b>	Valeo MB INA	593492 668 155 00 15 668 155 07 15 F-226954 / .3 / .4 / .5 / .07	17 / 55 x 44.4  5 Grooves M16	A13V1202 SG9B039 2542414A 90A 437346, 439333	MB A160 CDI, A170 CDI	
						
<b>3 3525 1</b>	Bosch Volvo INA	F 00M 061 016 F 00M 992 717 940 432 8 F-227079.4 / .05 / .06 F-227079.07	17 / 61 x 36.1  6 Grooves M16	0 123 510 109 NC(R) 115A 9442827	Chrysler Voyager III 2.5 TD Citroen C25 Landrover 90,110 Volvo 850, C70 I, S70, V70 I, V70 II	
						

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3526 1</b> 	Bosch	1 127 011 861 F 00M 061 005 F 00M 147 736 F 00M 991 095,308,394	17 / 73 x 40.1 6 Grooves M16	0 123 520 014 0 124 325 088 0 124 515 110 0 124 615 006 90 /120 /150A VW 074 903 025L,S,T VW 074 903 026 Volvo 9442130, 9459093	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	021 903 119 H, -K 074 903 119 E F-227820.4 /.5/.6/.7/.8 F-227820.9 /.10/.12/.13/.14  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 6 Grooves M16	0 123 320 054 0 123 510 091 0 124 325 020 0 124 515 024 KC/NC(R) 90 /120A KCB1/NCB1 90 /120A 071 903 016 C,D,G,H FIAT 5040099780	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 Synchro
	FIAT VW INA	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			
<b>3 3528 1</b> 	Hitachi	GD2 15541 L170G-25003	17 / 64 x 39.1 7 Grooves M16	LR160-745 LR170-761B,-C LR180-771B LR190-745,-752 LR1130-702 23100-DB00B 23100-VC100,-101,-201 23100-2W201 23100-2W20A 5010553879	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	23150-2W200 23150-2W20A 23150-2W20B F-228751.2 /.3/.06/.07			
<b>3 3529 1</b> 	Bosch	1 126 601 597 F 00M 061 023 F 00M 991 304 611 150 01 60 611 155 02 15	17 / 55 x 39.15 6 Grooves M16 fitting measure 7.60 mm	0 123 320 051,065 0 123 510 082,107,108 0 123 520 023,025 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	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	F-228824.1 /.4 /.6 /.7 F-228824.09 /.10/.11/.12  attention! 3 3557 1 fitting measure 11.10 mm			
<b>3 3531 1</b> 	Bosch	0 122 1AA 4Z0 0 122 1AA 5L0 0 122 1AA 7V0 F 00M 991 396 104 51570,-53582,-80403	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 Iskra MB INA	611 150 03 60 611 150 16 50 611 155 00 15 611 155 04 15 F-229363.3 /.5 /.6 /.7/.9 F-559585 /.01			
<b>3 3532 1</b> 	Valeo FIAT	593521, 593527,593907 773 633 03 9949520,9949627	17 / 55,65 x 35.25 6 Grooves M16	A14V1 35,41,48,49 SG15S018,019,022,024,025 TG15C116 2542500 5705AA,-AR,-ER,-EX,-GC 71732307 437210, 439257,439294 9610787780, 9621791480, 9636060780, 9636254180, 9640878780, 9643001680, 9644103580, 9645907580 2S6T-10300-BA,-BB 1140136 A004TF0091,-A,-B 31400-68D00,-D01,-D02 IA 1244 Y402-18-300	Citroen C5,C8,Berlingo,Evasion,Jumper, Jumpy,Xsara,Xantia 1.9/2.0/2.2D FIAT Ducato,Scudo,Ulysse 2.0JTD Ford Fiesta, Fusion 1.4 TDCi Lancia Phedra,Zeta 2.0, 2.2 D/JTD Mazda 2 Peugeot 206,306,307,406,607,806,807 Boxer,Expert, Partner 2.0D Suzuki Grand Vitara 2.0-2.3 Diesel
	Ford Iskra Suzuki INA	31771-68D00,-D01 F-2229603 /.1-.17/.19  Replacement for 3 3586 1			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3533 1</b> 	Valeo GM Opel Nissan Renault  Volvo INA	593514, 593554 93190868 4417574 23151-00Q0B 7700 426 849 8200 584 040 8666126 F-229643.3 /.4/.7/.10/.11 F-556602 /.01 F-560843	17 / 55,40 x 39.8  6 Grooves M16	SG12B017,038,071,096, SG12B097,110,123 TG15C128,153 2542272E, 2542653 4403540, 4411316, 4411318, 4416872, 4430591,4430595 9111540 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	Opel Movano, Vivaro 1.9 CDI, CDTI Mitsubishi Carisma, Space Star 1.9 DI-D Nissan Interstar, Primastar Renault Laguna I+II,Traffic II,Master II Latitude, Megane, Scenic,Traffic 1.9 dCi, 2.0 ,2.2dCi, 2.5 dCi Volvo S40 I 1.9DI , V40 1.9 DI
<b>3 3539 1</b> 	Denso Volvo  INA	021040-0970 9 472 909 3078 2701 F-231108 /.02	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
<b>3 3540 1</b> 	Marelli  FIAT INA	85562751 85562931 9 948 225, 9 951 162 F-230866.4 /.5 /.7 F-230866.10 /.11/.13	17 / 65,50 x 37.4  6 Grooves M17  short version of 3 5403 1	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
<b>3 3541 1</b> 	Bosch  Valeo Iskra VW  INA	F 00M 147 724 F 00M 991 043,045 F 00M 991 378 593490, 2547439  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	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

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3542 1</b> 	Bosch	F 00M 147 722 F 00M 991 042,376	17 / 61 x 35	0 124 515 025 NC(R) / NCB1 120A	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	038 903 119 P F-226322.6 / .9 / .10 / .11 / .14	5 Grooves M16	06B 903 016 B 058 903 016 D	
<b>3 3543 1</b> 	Valeo	593493	17 / 61 x 44.4	2542347A	MB A190, A210 (M166) Vaneo 1.6, 1.7 CDI Vaneo 1.9
	MB INA	166 155 02 15 F-230759.1 / .02 / .05	5 Grooves M16	A13VI 202,257 90A SG9B038,39 011 154 82 02 012 154 43 02	
<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	611 155 07 15 996 603 152 50 997 603 154 00 F-233525 / .1 / .04 / .05	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	593515, 593517, 593605	17 / 61 x 40.66	2542466B 120A	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
	Renault	7701 055 871 7701 207 807 7701 477 502 8200 613 765	6 Grooves M16	2542495A A13VI 207,285,289,292,297 SG10B019,032 SG12B055 77 00 422 143	
<b>3 3547 1</b> 	Bosch	0 122 1AA 6K0 0 122 1AA 8F0 F 00M 991 395	17 / 55 x 40.1	0 122 0AA 1P0 NFB2 150A	MB G400 CDI S400 CDI
	MB INA	628 155 00 15 F-230825.2 / .3 / .04 / .05	7 Grooves M16	000 150 22 50	
<b>3 3548 1</b> 	Bosch	F 00M 147 721 F 00M 991 039,375	17 / 61,00 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 VW INA	A660C-300EX 0138620 8200 113 636 038 903 119 AB,-Q F-230147 / .1 / .2 / .3 / .04 / .05	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	
		Replacement for 3 5316 1 Rubber Clutch Pulley			
		continued			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
		3 3548 1 continued		038 903 023P,T 038 903 025A	
<b>3 3549 1</b>	Melco Mazda  INA	A628X91371 GY02-18-330A,-330B GY02-18-W37Z F-229974.3 F-232600 /.01/.02  long thread short thread see:	17 / 65 x 37  6 Grooves M17  3 3534 1	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	72011-0740 OK588-18-W11 37321-4X210 37321-4X300, -301 F-231618.1/.2/.04/.05	17 / 64 x 34.5  5 Grooves M16	OK552-18-300B OK553-18-300A OK554-18-300,-A 02131-9070 85A	KIA Carnival (K V-II ) J3 2.9TDI Shuma Hyundai Terracan
<b>3 3557 1</b>	Bosch  Valeo Chrysler MB  Iskra INA	F 00M 991 099, 125 F 00M 991 190, 303 2549800 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 VW INA	593494 06B 903 119A F-234739 /.3 /.04 /.05	17 / 61 x 45.25  6 Grooves M16	254 2494,2509 SG12B047 SG14B010	Audi A4 1.6/ 1.8 T/ 1.8T quattro 2.0/ 2.0 FSI A4 Avant 1.6/1.8T/ 1.8T quattro 2.0/ 2.0 FSI A6 2.0,-Avant 2.0

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	
<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	
<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 37300-27010,-27011,	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 INA	37322-27010,-27012 F-233970 / .02/.03/.04	6 Grooves M16	37300-27012,-27031 120A	



# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 3573 1	 Bosch  FIAT Valeo INA	F 00M 147 764 F 00M 147 766 F 00M 147 907 F 00M 349 814 F 00M 991 171 F 00M 991 271 773 62 558 2548543A F-232369.4 / 5/07/08	17 / 59 x 33.6  6 Grooves M16  distance from Alternator to first groove 8.0 mm  see also 3 5410 1 distance from Alternator to first groove 6.5 mm	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 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	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 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
		906 155 08 15 906 155 15 15 F-230283.1 / 2/03 F-240423  INA O.E. pulley Bosch supplies solid pulley as replacement	17 / 79 x 43.95  8 Grooves M16	0 120 469 119 6 033 GB3 010,083 NL1 28V 100A 010 154 89 02 013 154 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, Citaro O 530,-GN3,-GNUE3,-K, O 530 N3,-lang,-UESTRA, O 530 NUE3,-UE O 530 low entry MUE Cito O 520 Econic 2628L Conectio 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
3 3574 1	 DB  INA	906 155 08 15 906 155 15 15 F-230283.1 / 2/03 F-240423  INA O.E. pulley Bosch supplies solid pulley as replacement	17 / 79 x 43.95  8 Grooves M16	0 120 469 119 6 033 GB3 010,083 NL1 28V 100A 010 154 89 02 013 154 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, Citaro O 530,-GN3,-GNUE3,-K, O 530 N3,-lang,-UESTRA, O 530 NUE3,-UE O 530 low entry MUE Cito O 520 Econic 2628L Conectio 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
3 3576 1	 Bosch  Volvo  INA	F 00M 147 716,760,799 F 00M 991 016,061 F 00M 991 156,232 F 00M 991 265 8 676 497, 9 459 747 30667878, 30737517 F-230401 / 6/7/8/09 F-552923 / 01 F-553099/ .01  Replacement for 3 3536 1	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
3 3577 1	 Bosch  Valeo VW INA	F 00M 147 732 F 00M 991 108 F 00M 991 266 593778 06B 903 119 B, -D F-231142 / 1/05/08	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 GVBMB 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

continued

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
		3 3577 1 continued			VW 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
<b>3 3578 1</b>	Denso Jeep INA	021040-1060 05019860 AA F-234065 F-558553	17 / 55 x 41.15  8 Grooves M14	121000-3490	Jeep Grand Cherokee II 3.1 TD
					
<b>3 3579 1</b>	Valeo FIAT PSA Volvo INA	593832 773 634 68  3128 5818 F-236591.1/.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)	A13V1251 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 FIAT  GM Opel Suzuki  INA	2 008 600 022 593860 773 627 21 551 862 80 93178273, 93192631 1204392, 1204517 31771-85E00-000 437504 F-237101.1/.02/.03/.04  Replacement for LITENS 3 5301 1	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
					
<b>3 3581 1</b>	Valeo GM Iskra Nissan Opel Renault  Volvo INA	593516 93190867  23151-00Q0A 4417573 7711 134 312 8200 584 039 31251073 F-234637 /.01/.03/.04	17 / 53.3 x 38.25  5 Grooves M16	2542523 SG12B050,095,108,116 437208,437351 439292,439341 77 11 134 312 82 00 022 774, -086 130 8 200 162 474, -495 301 82 00 538 407, -538 815 82 00 590 255, -690 199 30620870 8 602 356 23100-00QAL,QAU,QBG S883627 9316 0666, -1424 9319 1541 IA 1439	Renault Motor F9Q 1.9 DTI Laguna II, Traffic II, Master II Mitsubishi Space Star, Carisma 1.9 DI-D Nissan Interstar, Primastar dCi 80, 2.0 Opel Movano, Vivaro 1.9 DTI Vivaro 1.9 DI/DTI, 2.0 Ecotec Volvo S40, V40
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3582 1</b> 	Valeo Ford INA	593782 F-237481 / .01/.02	17 / 65 x 38.15 6 Grooves M16	TG12C013,015,016 2542737A, 2542770B 25422830A 439483 2S7T-10300-AA,-AB, 2S7T-10300-BA,-BB 3S7T-10300-AA	Ford Mondeo III 2.5, 3.0
	<b>3 3583 1</b> 	Hitachi  Nissan INA	L1110G-7500 L1110G-25001 GD2 16009 GD2 16092,-093,-099 23151-6N200,-20A,-20B F-232288.1 / .02/.03	17 / 56.5 x 40.6 6 Grooves M16	LR1100-734,-B,-C LR1110-713,-B,-V LR1110-717 LR1110-724,-B,-BR LR1110-726 23100-8J000 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  BMW INA	F 00M 147 747,913 F 00M 991 142,273 F 00M 991 918 0 124 A00 238 12 31 7 516 099 12 31 7 552 352 F-236566 / .01/.02	17 / 53.3 x 33.6 6 Grooves M16	0 124 325 072,087,116 KCB1 90A E4 110A	BMW 116i, 118i, 120i 316 Ci-Coupé, 316i,-Touring 316ti Compact 318 Ci Cabrio, -Coupé, 318i,-Touring 318ti Compact 320i 520i X1 sDrive 18i Z4 2.0i
	<b>3 3586 1</b> 	Valeo	593527,593907  replaced by 3 3532 1	17 / 58.75 x 32.6 6 Grooves M16	A14Vi41
<b>3 3587 1</b> 	Bosch  Delphi MB  Iskra Valeo INA	1 126 601 572 F 00M 991 392 211242, 220681 604 150 01 60 604 150 05 60  2655139 F-225643.1 /4/.5/.6/.7/.8 F-225643.9 /10/.11/.12/.13 F-225643.14	17 / 61 x 35.7 6 Grooves M16	0 123 320 047,062 0 123 510 058,075,102 0 123 520 010 KC(R) 90A NC(R) 115A,143A,150A 011 154 05 02 IA 1005,1013	Chevrolet Captiva, Epica, Lacetti, Nubria 2.0 D MB 108 D/110 Vito D 2.3 V 230TD Opel Antara 2.0 CDTI SsangYong Muso, Korando 2.5 / 2.9
	<b>3 3589 1</b> 	Valeo Korea Hyundai KIA INA	2655703 K406701 37322-4A000,-001 F-232774.1 / .03/.04/.05	17 / 74 x 40.8 7 Grooves M16	AF111382 AF111393 TA000A48201 TA000A62401 37300-4A001-003 37300-4A110-113

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3590 1</b> 	Ford INA	1S7U-10A352-DB,-EA F-232854.3 / .06 F-556615	17 / 59 x 36.75  6 Grooves M16	1S7T-10300-CA,-CB, 1S7T-10300-CC,-CD	Ford Mondeo III 1.8/2.0
	<b>3 3591 1</b> 	Bosch  BMW  INA	F 00M 147 746,914 F 00M 349 820,898 F 00M 391 122,157,159 F 00M 991 141,301 F 00M A47 701 12 31 7 516 103 12 31 7 552 353 12 31 7 560 483 F-236528 / .01/.02/.03/.04 F-236528.06/.07	17 / 53.3 x 33.6  6 Grooves M16	0 399 604 014 0 121 615 010,110 0 121 715 012,112 0 124 515 098 0 124 525 042,045,048,049, 0 124 525 059,083,524 F 000 BL0 729 NCB1 120A E8 150A M8E 155A H7P 150A 14M2.5 12 31 4 487 081 12 31 7 532 965,-966,-969 12 31 7 542 529 12 31 7 543 083 12 31 7 584 542
<b>3 5302 1</b> 	Denso Isuzu  Opel Saab Renault INA	8-97229-366-0 8-98033-736-0 97229366 53 40 393 77 01 066 401 F-228411.2 / .04	17 / 53.3 x 40  6 Grooves M14	104210-3180 104210-3370 53 50 087	Renault Espace IV 3.0 dCi Vel Satis 3.0 dCi
	<b>3 5307 1</b> 	Valeo  BMW  INA	593539, 593904 595203 12 31 7 516 105 12 31 7 536 960 12 31 7 550 001 12 31 7 570 152 F-230329.02/.04 F-238005 / .02	17 / 53.3 x 38.25  6 Grooves M16	2542720F SG11B010 SG12B044,065 SG14B017 TG17C015 90-140A

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5308 1</b> 	Denso Toyota INA	27415-27011 F-570753  replacement product 3 5421 1	17 / 63.4 x 38.3  5 Grooves M14	102211-2760 104210-3050,-3051,-3250, -3251,-3252,-3431 27060-27040,-27070,-27090	Toyota Avensis 2.0D-4D Corolla 2.0D-4D Previa 2.0D-4D RAV4 II 2.0D-4D 4WD
	<b>3 5309 1</b> 	Bosch  INA	F 00M 147 767,957 F 00M 991 178,314 F-238120 / .01/.02	17 / 53.3 x 34.65  6 Grooves M16	0 124 325 096 0 124 525 047 E4 110A E8 150A 06F 903 023 G,-GX 77 11 135 942 82 00 229 907
<b>3 5310 1</b> 	Bosch  INA	F 00M 147 806,976 F 00M 991 217,326 F-550213.01 / .03/.04/.07/.10	17 / 59 x 40.6  5 Grooves M16	0 124 425 012,013,029,108 0 124 525 069 E6 120A, E8 150A 82 00 325 823 82 00 360 480,481	Renault Clio II 1.5 DCI Clio III, -Grandtour 1.5 DCI Modus 1.5 DCI Thalia II 1.5 DCI
	<b>3 5311 1</b> 	Bosch  GM Opel Saab/Scania INA	F 00M 147 738 F 00M 991 133 F 00M 991 189 93175986 1204378 5340393, 5543814 F-234563.1 / .2/.03 / .04	17 / 54 x 40  6 Grooves M16	0 120 000 033 0 124 525 019,046 E8 140A 5350087 13125525 93175988
<b>3 5312 1</b> 		Bosch  MB  INA  Pulley for	F 00M 349 826 F 00M 391 110, 146 F 00M 991 110,157 628 150 00 60 642 150 00 62 642 150 08 60 F-236127 / .01/.02/.03/.04 F-236127.05/.06	17 / 55 x 39.1  7 Grooves M16	0 121 715 011,015,115 0 121 813 020,120 0 124 625 004,017 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
	<b>3 5313 1</b> 	Bosch  VW Delphi Hitachi  Porsche INA	F 00M 147 761 F 00M 991 167,282 021 903 119 J,-L 10493077 GD1 15070 GD2 17756 955 603 152 00 F-235449 / .2/.03/.04/.05	17 / 61 x 34.9  7 Grooves M16	0 124 615 026 NCB2 150A 021 903 026 B 955 603 017 00

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<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 M16	0 121 715 029,129 0 124 625 014,019,033,045 E10 200A / H8P 180A 012 154 98 02 013 154 00 02 / 59 02 / 90 02 014 154 07 02	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  Mitsubishi Grandis 2.0 DI-D Peugeot 307 CC 2.0 HDI Renault Scenic II 1.5 dCi
	MB INA	646 150 02 60 648 155 00 15 F-235968 / .01/.03/.05 F-235968.06 / .07/.08/.09			
<b>3 5317 1</b> 	Denso Italy Ford	5M5Q-10344-AA 5M5Q-10344-AB F-233608.1 / .02/.03	17 / 63 x 36.18  6 Grooves M17	Ford Focus 1.8 D	fits Shaft Decoupler Assy. 3 3593 1 Ford 5M5Q-10344-AA, AB  see chapter Isolator Decoupler Pulleys LITENS
	INA				
<b>3 5318 1</b> 	Bosch	F 00M 391 119 F 00M 991 300	17 / 76 x 33.6  no Groove M16 w/o. dust cap	0 121 615 013,025,026,126 0 121 615 029,129 0121 715 004,033,104,133 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 805E 740 820 805E,F 11.203.770 AAN7116	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  Climate Compressor 2.5 l Model AXD,AXE,BLJ
	Iskra VW INA	070 903 201 C,-E F-237653  Replacement for NSK Pulley 3 5407 1  for complete assy. with Eurogrip coupling EG1 see Pulley Kit 3 5401 1			
<b>3 5319 1</b> 	MAKO INA	83653301 F-237045 / .02	17 / 61 x 35  7 Grooves M17	2CIT-10300-BA R2C1T-10300-BA 1498518 4461712 110A	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
<b>3 5320 1</b> 	Melco Renault INA	JK58A-01636A 82 00 399 801 F-550379 / .01/.03	17 / 59 x 40.6  5 Grooves M16	A2TC0981 77 11 467 099 82 00 373 636	Dacia Logan, Sandero 1.5 dCi Nissan Kubistar 1.5 dCi Renault Clío II, Kangoo, Thalia 1.5 dCi
<b>3 5323 1</b> 	Bosch	F 00M 147 800 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 2602484 261626 F-240139 / .01/.02/.03/.04/.05 F-572716 F-576346	17 / 55 x 34.6  6 Grooves M16	0 124 325 151,156 0 124 525 038,074,093,188 0 124 525 200,201,220-223 0 124 525 527,543-545 0 125 812 001, 002 0 125 813 002,009 F 000 BL0 602,603,663,664 F 000 BL0 801 B3E 110A BE6 140A E8 140A/150A 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	Audi A1 1.2/1.4 TFSI A3 1.4 TFSI, -Sportback SEAT Altea,-XL 1.4 TSI Alhambra 1.4 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 Octavia 1.4 TSI,-Combi Rapid 1.2/1.4 TSI 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
	VW Valeo INA	continued 3 5323 1 continued			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
				03F 903 023 D,-DX,-F 04C 903 023 C,-D,-DX,-J 12 31 7 628 243 12 31 7 645 044	Golf VI 1.2 TSI,- Variant Golf VI 1.4 TSI Golf VI 1.6 TDI Variant Golf VI 2.0 TDI Variant Golf Plus 1.2/1.4 TSI Jetta III + IV 1.4 TSI Passat 1.4 TSI,-Variant Passat 1.6 FSI,-Variant Polo 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
<b>3 5324 1</b>	Bosch VW INA	F 00M 147 808 F 00M 991 218,285 07K 903 119 07K 903 119 A F-240138 /.01/.02/.03	17 /61 x 37.24  5 Grooves M16 right	0 124 525 102,215 E8 / M8E 140A 07K 903 023 A,-F,-FX	Audi Q3 RS 2.5 quattro RS3 2.5 TFSI Sportback quattro > 01/2011 TT 2.5 FSI Coupe quattro Roadster quattro > 07/2009 VW Jetta II + IV 2.5l
					
<b>3 5326 1</b>	Bosch INA	F 00M 147 807,831,936 F 00M 991 216,231,293 F-238512.02 /.03/.05/.06	17 / 53 x 36.8  7 Grooves M16	0 124 425 018,074,114 0 124 525 076,137,192,537 F 000 BL0 407,456,676 F 000 BL0 814,8D0 F 000 BL0 4C3,4C4,4C5,4C6 B3, B3-90 7V 90A E6/ M6E 120/125A EL6 150A E8/ M8E 150A 8200 251 006, 8200 356 669 8200 660 022, 8200 660 822 82 00 726 639 23100-00Q0H 23100-00Q2E 4434149 93198275	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 Laguna II,-Grandtour 1.9 dCi Megane II + III,-Cabrio 2.0 dCi -Grandtour 2.0 dCi Master II 2.5 dCi Scenic II + III 2.0 dCi Traffic II 2.5 dCi
					
<b>3 5328 1</b>	Hitachi Delphi GM Opel INA	GD2 18089 10511026 97355778 6204889 F-232353 /.01/.03 F-240113 /.01	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	VP2PSU-10A352-BA,-CA F-235492 /,2 F-556614	17 / 59 x 39.4  6 Grooves M16		Ford Fiesta V 1.4 TDCi Fusion 1.4 TDCi Mazda 2 1.4 CD
<b>3 5332 1</b> 	Melco Mazda  INA	A628X92171 LF18-18-330,-A LW18-18-W11  F-238163 /,01/,02/,03/,04  replaced by 3 5418 1	17 / 59 x 36.6  6 Grooves M17	A003TG0081,-A A003TG2881 LF18-18-300	
<b>3 5333 1</b> 	Valeo Renault INA	595226 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	Dacia Dokker, Lodgy 1.2 TCe Nissan Primastar 120/90 dCi Qashqai 2.0 dCi X-Trail 2.0 dCi Opel Movano B 23 Vivaro 2.0 CDTI Renault Espace IV 2.0 dCi Grand Scenic III 1.9 dCi Laguna II/III 2.0 dCi Megane CC/II/III 1.2/1.9/2.0 Scenic III 1.2/1.6/1.9/2.0 Trafic II 2.0 dCi Vel Satis 2.0 dCi
<b>3 5334 1</b> 	Bosch  MB INA	F 00M 349 829 F 00M 391 105,145 629 150 01 60 F-239992 /,01/,02/,03	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	F 00M 349 828 F 00M 391 104,144 629 150 00 60 F-239356 /,01/,02/,03	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	MB E420 CDI G 350 GL 350 /320 CDI ML 280 /320 CDI R 280 /320/350 CDI 4matic S 320 CDI, -4matic S 420 CDI S 450 CDI
<b>3 5336 1</b> 	Bosch  Ford Volvo INA	F 00M 349 810 F 00M 391 112,138  30667610 F-553393/,01	17 / 64.3 x 34.6  6 Grooves M16	0 121 615 006,106 H7P 150A 6G9N-10300-ABA,ABB,ABC 1379699,1388002,1469391 30667295,36000220	Ford Galaxy 2.0,-FlexiFuel Mondeo 2.0,-FlexiFuel,-Turnier Mondeo 2.0 LPG,-Turnier S-Max 2.0,-FlexiFuel Volvo S80 II 2.0B, -Flexifuel V70 III 2.0B, -Flexifuel

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application				
	Bosch Volvo INA	F 00M 349 813 F 00M 391 113,139 30667682 F-553392 /.01	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 0 125 811 005,020 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	Ford Mondeo IV 2.5, -Turnier S-Max 2.5 Volvo S60 II D3,-D4,-D5,-AWD S80 II 2.4D, -2.5T, S80 II D3,-D4,-D5,-AWD V60 D3,-D5,-AWD V70 III 2.4D, -2.5T, V70 III D3,-D5,-AWD XC60 D3,-Drive XC60 D4,-AWD,-D5 AWD XC70 II 2.4D AWD XC70 II D3 AWD,-Drive XC70 II D5 AWD XC90 D3,D5 2.4/2.5				
			Bosch Mazda Toyota NTN INA	F 00M 349 878 F 00M 391 108,121,125 U201-18-W10 27415-0L020 27415-0L040 370V1-1 F-556174.01/.02	17 / 62.7 x 37.7 7 Grooves M16	0 121 615 003,103 0 125 711 005,018,046,049 0 125 711 103,104 0 125 811 015,016 F 000 BL0 639 B3-110-156A EL7 /H7P 150A EL8 210A AB39-10300-AD,-AE AC1T-10300-CA BK3T-10300-EA CC1T-10300-CA,-CB,-CC 6C1T-10300-CA,-CB,-CC 6C1T-10300-CD 7H12-10300-AA 1404792,1581844 1729366,1730987, 1738113,1745662, 1747017,1800123 5215796 UK01-18-300A,-B 27060-0L020,-0L040,-0L050, 27060-0L060,-0L080,-0L090, 27060-0L100	Ford Transit FT 300,330,350,430,460 TDCi 2.2/2.4/3.2 I FT 300,330,350,370, FT 430,460 2.2 TDCi,-HDT TDCi 2.2 Land Rover Defender 90,110,130 2.4 Td4 Ranger 2.2/3.2 TDCi,-4x4 Toyota Hilux II+II 2.5/3.0		
					Bosch INA	F 000 BL9 038 F 00M 147 821,956 F 00M 991 219,313 F-550213 /.02/.08/.09/.11	17 / 59.7 x 40.6 6 Grooves M16	0 124 425 037,071,093,111 0 124 425 115 0124 525 081,082,139,140, 0 124 525 208,534,540 F 000 BL0 407,628,703,719 F 000 BL0 6G1 B3 90/105/110A, B5 125A E6 120A, E8 150A, M6E 150A, M6EON 120A M8EON 150A 23 10 019 56R 23 10 029 49R 23 10 045 27R 23 10 085 78R 82 00 379 736 82 00 390 667,675,676 82 00 660 033,034 82 00 728 292 82 00 992 211 23100-00Q2J 23100-JD10A	Dacia Dokker 1.6, -4x4 Lodgy 1.6 Logan (MCV) 1.6 16V Sandero 1.6 16V Nissan Cube 1.5 dCi Evalia 1.5 dCi Juke 1.5 dCi Micra 1.5 Diesel-Turbo NV200 1.5 dCi Note 1.5 dCi 83,90,105 Qashqai+2 1.5dCi Tiida 1.5 dCi,-Hatchback Renault Clio II 1.5dCi Clio III 1.4,-Grandtour Clio III 1.5 dCi,-Grandtour Clio III 1.6,-Grandtour Duster 1.6,-4x4 Fluence 1.6 Kangoo II 1.5 dCi Logan (MCV) 1.6 16V Megane II 1.6 16V Megane II Cabrio 1.5/1.6 Megane II Grandtour,-Hatchback Megane III CC 1.6 Modus 1.5 dCi,-1.6 Modus III CC 1.6 Sandero 1.6 16V Scenic II 1.5 DCi,-1.6 16V Thalia 1.5 dCi SAIPA Tondar 90 1.6i

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5342 1</b> 	Bosch	F 00M 147 828 F 00M 591 117 F 00M 599 463 F 00M 991 229 607 150 00 60 F-550213.06 F-583172	17 / 59.7 x 37.6  6 Grooves M16	0 124 425 046 0 124 525 096 0 125 711 043,071 E6 120A, E8 150A EL7-HED 175A 000 906 38 22 82 00 459 715,716	MB A180 CDI W176
	MB INA				
<b>3 5344 1</b> 	Bosch	F 00M 147 876 F 00M 991 247,287 F 00M A47 723 2604787 2618124	17 / 55 x 40.15  6 Grooves M16	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 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 03C 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 06F 903 023 C.-D,-H,-HX, 06F 903 023 L,-N	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,-Sportback,-quatt A6 2.0 TDI,-Avant,-e,-e Avant Q5 2.0 TDI,-quattro TT 3.2 Coupè/Roadster quattro 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
	Valeo VW INA	045 903 119, -A 03G 903 119 B 06J 903 119 A F-551406 / .01/.02/.03 F-551406.04/.05/.07/.08			
<b>3 5345 1</b> 	Valeo MB	593618, 593930 640 150 01 60 / 03 60 / 04 60 640 150 05 60 668 155 01 15 / 02 15/ 06 15	17 / 50 x 36.45  5 Grooves M16	2542771B SG9B052 SG15L012,026 TG15C034,056 437415, 439455 668 154 01 02 668 154 02 02 668 154 03 02 012 154 01 02 A6401540202	MB A160 / A170 CDI B180 / B200 CDI Vaneo 1.7 CDI Mitsubishi Colt VI 1.5 DI-D Smart ForFour 1.5 CDI
	Mitsubishi INA	MN960267 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		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
	<b>3 5347 1</b>	Valeo 595210, 595407 Bosch F 00M 147 906 F 00M 992 723 Renault 77 00 110 616 77 01 477 689 82 00 548 796 INA 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 595239 MB 642 150 07 60 INA F-551657.01/.02/.03/.04/.05  Pulley for Bosch Alternator see:	17 / 55 x 52.3  8 Grooves M16  3 5312 1	440053 439583 642 154 0502
	<b>3 5349 1</b>	Hitachi GD2 18964 INA F-550879 /.01	17 / 59 x 41.5  7 Grooves M16		Nissan 1.5 l gas
		<b>3 5351 1</b>	Hitachi GD2 18509 Nissan 23151-EN20A INA F-551034 /.01	17 / 54 x 40.3  6 Grooves M16	23100A4400 23100A4420 23100AU400 23100AU420 23100AU424 23100EN20B
	<b>3 5352 1</b>	Hitachi GD2 18752 Nissan INA F-551759 /.01	17 / 59 x 42.2  7 Grooves M16		Nissan

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

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IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5353 1 	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	A6 28X9 2071 F-236001 /.01/.02			
3 5354 1 	Visteon INA	VP2M5U-10A352-AA VP6S4U-10A352-AA F-235931 /.02	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
3 5355 1 	Denso FIAT INA	021040-1400 021040-1570 773 641 48 F-239912.01/.02/.03	17 / 65.4 x 37.5  5 Grooves M14	50500728	Alfa 159, -Sportwagon 2.4 JTDM Brera 2.4 JTDM Spider 2.4 JTDM FIAT Croma 2.4 D Multijet
3 5356 1 	Denso Hyundai INA	081020-0010 081020-0011 37322-27500,-27501 5-021040-108 F-233106.1/.2/.03/.04/.05/.06	15 / 65.5 x 37.47  6 Grooves M14	100213-2950,-2990	Hyundai Accent I+II 1.5 CRDi Getz 1.5 CRDi Matrix 1.5 CRDi
3 5357 1 	Denso FIAT Saab INA	121041-1140 773 639 48 12 759 596 F-238822 /.01/.02	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
3 5358 1 	Melco INA	A252C54375 F-550379.02	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 8 Grooves M16	AL111675 AL114092 AL166645 AL166646 RE204426 IA 1052 90/115/150A	John Deere Tractor 6020,6029 4/6 cyl. Serie-6 6210R, 6230, 6430
	Iskra INA	F-233379.01/.02  Replacement for LITENS LITENS 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 6 Grooves M17	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	93182514 1204413 MSY83625-1600 F-554053.01/.02  long version of 3 3540 1 usable w/o. distance ring			
<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 5 Grooves M16	DB 266 154 09 02 TG11C021,035,074 115A	MB A (W169) 150,170,180,200 B (W245) 150,170,180,200
<b>3 5369 1</b> 	Bosch	F 00M 147 878 F 00M 991 248	17 / 53.3 x 34.65 6 Grooves M16	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			
<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

continued

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
		3 5373 1 continued			Lancia Delta III 1.6 D Multijet >07/2010 Ypsilon 0.9 Twinair >05/2011
<b>3 5374 1</b>	Valeo MB  Jeep INA	593960 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 GRD 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  Replacement for LITENS 3 3572 1	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
					
<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 1.6/1.8Turbo, -Caravan 1.6i Turbo Twin Top Corsa D 1.6i Turbo,-OPC Turbo Meriva 1.6 Turbo Vectra C Caravan 1.9 CDTI Zafira B 1.6/1.8 CNG Turbo
					
<b>3 5384 1</b>	Bosch  FIAT Ford INA	F 00M 349 877 F 00M 391 107,118,120 F 00M 599 403 773 640 82  F-554766 /.01	17 / 64 x 36.3  6 Grooves M16	0 121 615 002 0 125 711 001,017,058,059 0125 711 101,102 0125 811 013,014,021,029 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 CC1T-10300-BA,-BB,-BC 6C1T-10300-AA,-AB 6C1T-10300-BA,-BB, 6C1T-10300-BC,-BD,	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
					
		continued			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
		3 5384 1 continued		6C1T-10300-CA,-CB,-CC 7H12-10300-AA 1404791, 1404792 1581843, 1581844 1712779, 1745661 1797966 5705 EA	
<b>3 5385 1</b>	Bosch Volvo INA	F 00M 349 823 F 00M 391 124 30667980 F-557564	17 / 61 x 36.1  5 Grooves M16	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, 2.5 T5,-AWD,D5 V40 II D3,-D4 >08/2012 V50 2.4,-2.4i, D5,-T5,-T5 AWD
					
<b>3 5386 1</b>	Bosch BMW INA	F 00M 349 824,899 F 00M 391 158 F 00M 991 260 0 121 C00 401 12 31 7 560 678 F-554007.02 / .03	17 / 53.3 x 34.4  7 Grooves M16	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
					
<b>3 5387 1</b>	Bosch BMW PSA INA	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  F-560565	17 / 55 x 40  6 Grooves M16  better choice for solid Pulleys F 00M 349 859 and F 00M 391 131	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
					
<b>3 5388 1</b>	Bosch Dayco FIAT IVECO PSA INA	F 00M 599 500 TA436  504 0887 96 574087 F-550532/ .01/.02	17 / 59 x 36.1  6 Grooves M16	0 124 325 122 0 124 525 064,125 0 125 811 039,040 F 000 BL0 777,778 C5 (IAM) 150A E4 110A E8 140/150A EL8 210A 504 0578 13 504 0871 83 504 2041 73 5801580939 5801580941	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
					
		continued			

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
		3 5388 1 continued			Multicar Famo 3.0 Peugeot Boxer 3.0 HDi
<b>3 5390 1</b>	Denso FIAT GM Opel INA	121041-0580 773 647 23 93192215 6204286 F-557928/ .01  Replacement for LITENS 3 3596 1	17 / 59 x 39.4  6 Grooves M17	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
					
<b>3 5391 1</b>	Valeo MB INA	2604126 2604640 646 155 01 15 278 150 00 60 F-552901.02 / .03/ .06	17 / 55 x 45.75  6 Grooves M16	439585,439619 440057 TG17C041 646 154 01 02 646 154 08 02 646 154 09 02 646 154 11 02	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
					
<b>3 5392 1</b>	Valeo DB INA	595258 271 155 02 15 F-557311 / .01	17 / 60 x 49.75  7 Grooves M16	440127,440128 271 154 14 02 271 154 15 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
					
<b>3 5393 1</b>	Bosch INA	F 00M 991 192 2 008 600 027 F-563432  Replacement for LITENS 3 3562 1	17 / 61 x 35  7 Grooves M16	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
					
<b>3 5394 1</b>	Denso Toyota  NTN INA	021040-1070 27415-0L010 27415-0L030 27415-30020 214V1-1 F-567525	15 / 65 x 41.2  7 Grooves M14  O.E. product alternative product	101211-4720 102211-5600,5670 104210-8020,9011 27060-0L010,-0L021 27060-30020,-30030,-30050  3 5379 1 3 5434 1	Toyota Hiace IV Hilux II+III Land Cruiser 2.5/3.0 D
					

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# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5395 1</b> 	Denso Toyota	27411-33050 27415-33010	15 / 64.4 x 39.9	101211-5660 102211-5660	Toyota Yaris 1.4 D-4D Yaris Verso 1.4 D-4D
	NTN INA	DJA 1893 IR F-568860	5 Grooves M14	27060-33020 70 A	
Replacement for NTN-Type					
<b>3 5396 1</b> 	Denso		17 / 59 x 42.05	104210-3511-3513,-3521-3523	Ford C-Max 1.6 /2.0 TDCi Fiesta VI 1.6 TDCi
	Ford Mazda Volvo Koyo INA	8603182,8666579 DCA 1834 IR F-568861	6 Grooves M14	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 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
alternative product for Koyo-Type					
replacement product 3 5425 1					
<b>3 5397 1</b> 	Denso Ford Koyo INA	WCPN36RCX,-DX F-570680	17 / 53 x 44.6	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			6 Grooves M14	
<b>3 5400 1</b> 	VW	070 903 327 C 070 903 201 E	62.2 / 78.5 x 35	Eurogrip-Coupling EG1	
	Litens	953710		fits Bosch Pulleys F 00M 391 119,300	3 5318 1
complete Pulley Kit 3 5401 1					
<b>3 5401 1</b> 	Bosch	F 00M 391 119 F 00M 991 300	17 / 76 x 33.6	0 121 615 013,025,026, 0 121 615 029,129 0 121 715 004,033 0 124 615 031 0124 625 013,018 NCB2 150A, P10 180A H7P 150A / H8P 180A 070 903 024,-A,-B,-F,-G,-H 3D0 820 805 E	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
	VW	070 903 201 C	w/o. dust cap		Climate Compressor 2.5 l Model AXD,AXE,BLJ
Pulley Kit: INA Pulley 3 5318 1 with Eurogrip Coupling EG1 3 5400 1					
<b>3 5403 1</b> 	Marelli FIAT INA	8362397 551 963 01 F-230866/ .01/.03/.08 /.09 F-230866.12	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
			6 Grooves M17		
long version of 3 3540 1					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5410 1	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	
3 5411 1	Mitsubishi	A252C564FE	17 / 69 x 39.5	A3TG2681	Nissan Cabstar 28.11 / 35.13 / 45.13 Murano 2.5 4x4 Navarra 2.5 dCi -4WD Navarra Pickup 2.5 Diesel Pathfinder 2.5 dCi
	Nissan	23151-EB301 23151-EB30A	7 Grooves M17	A3TJ0781, -AE,-ZE 23100-EB31B 23100-EB310 23100-EB315 150A	
3 5414 1	Valeo	595286	17 / 61 x 40.3	439607,440123 440268	Hyundai Accent II, Elntra, Matrix 1.4/1.5/1.6 Getz i10,-i20,-i30,-i40 1.7 KIA Ceranto, Pride Cee'd 1.6 Picanto, Rio II+III, Soul 1.5/1.6 CRDi Venga 1.4/1.6
	Honda	37322-2A000 37322-2A110	5 Grooves M16	TG12C033 2543370, 2655475 37300-2A100,-110,-500	
3 5416 1	Melco	F-560968	17 / 54.7 x 41.8	A003TG3691ZE A003TG5281ZE A005TG0881ZE 440174 5702 J0,-J3 5705 KG,-KQ	Citroen Berlingo 1.6 VTi C3 II 1.4/1.6 VTi C4 1.6 VTi/THP C5 1.6 VTi/THP DS3/DS4 1.6 VTi/THP Peugeot 207,208,308 1.4/1.6 508 1.6 3008 1.6 5008 1.6 Partner 1.6
	PSA		6 Grooves M17		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5417 1	Melco	A252C55875 A252C558FE	17 /53.3 x 38.3	A002TX0481 A003TJ2481,-ZE	Dacia Dokker 1.2 TCe Logan Express 1.4
	Nissan INA	23151-JG71B F-552305	7 Grooves M17	A003TJ3881 A003TX0481 A004TJ0282,-ZE A004TJ0381,382 A004TJ0982 A004TJ0982 23100-00Q3E 23100-JD71A 23100-JG71A,-B 77 11 368 888 82 00 404 465 82 00 571 531 82 00 654 785,789 82 00 960 536,538 23 10 00 24R 23 10 018 22R 93168346	Nissan X-Trail 2.0 dCi Qashqai 1.6/2.0 dCi NV 400 2.3 dCi Opel Movano B 2.3 CDTI Renault Espace IV 2.0 dCi Koleos 2.0 dCi Laguna III 2.0/3.0 dCi Latitude 2.0/3.0 dCi Master III 2.3 dCi Megane III 1.2/1.4 TCe -2.0 dCi Scenic III 1.2/1.4 TCe -2.0 dCi
3 5418 1	Melco	A252C574FD A628X92171	17 /59 x 37.6	A002TJ0881 A002TX0881	Citroen C-Crosser 2.4 Mazda 3 1.6
	Mitsubishi Ford Mazda Subaru INA	1800-A061 1800-A313 LF18-18-330,-A LW18-18-W11,-A 23750-AA070 F-238163 /.01/.02/.03/.04 F-552562 F-577572  Replacement for 3 5332 1	6 Grooves M17	A002TX1981ZT A003TG0081,-A A003TG2881 A003TG3181 A003TJ0181ZC,-0182 A003TL0081 A004TJ0181,-ZC A004TJ0182,-ZC,-ZCKD 4W73-10300-AC 4W7Z-10346-AC 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	Mitsubishi ASX 1.8 Lancer 1.8/2.0 Outlander II 2.0/2.4 Nissan Micra IV 1.2 Peugeot 4007 2.4
3 5419 1	Valeo	2605074	17 / 54.7 x41.05	439617,440174	Citroen Berlingo 1.6 VTI
	BMW INA	12 31 7 576 515 F-556533.01	6 Grooves M16	2605106,-A,-B TG12C021,59,061,120 5702 JO 5705 KG 12 31 7 576 513,514 12 31 7 615 484 12 31 7 619 254	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 Mini One, Cooper, -S Cabriolet, Coupe Clubman 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
3 5430 1	Bosch	F 00M 349 903 F 00M 391 150	17 /63 x51	0 121 615 032,132 0 121 715 058,158	Ford Galaxy 2.0 EcoBoost SCTi Mondeo IV 2.0 EcoBoost SCTi
	Ford Volvo INA	31285489 31285489 F-561957 /.03/.04	6 Grooves M16	0 125 711 024,045,069 0 125 711 105,106 0 125 811 006,034 EL7 150A / EL8 180A H7P 150A / H8P 180A 9G9N-10300-AA,-BA,-BB BG9T-10300-AB BJ32-10300-CA,-CB 1682130, 1799802 30659675,31260072, 31260073,36001811, 36002584, 36002650 LR028121	S-Max 2.0 EcoBoost SCTi 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 Jaguar XF 2.0, XJ 2.0 Freelander 2 2.0 Si4 AWD Range Rover Evoque 2.0

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5431 1	 Bosch VW INA	F 00M A47 700 F 00M 349 835 F 00M 991 278 F 00M 992 709 06E 903 119 L,-R F-558658 /.01/.02	17 /70 x38.5  6 Grooves M16	0 121 715 022,050,075,078 0 121 715 122,150,178 0 124 325 078 0 124 525 508 E4 120A E8 155A / H8P 180A 06E 903 016 M,-MX,-T,-TX 06E 903 018 H,-HX 06H 903 017B	Audi A6 2.4,-Avant,-quattro 2.8 FSI,-Avant,-quattro 3.0 TFSI Avant Allroad,-quattro 3.2 FSI,-Avant quattro,-quattro
		2603530 773 634 68  31285818 F-236591.05/.07	17 /59 x38.3  6 Grooves M16 fitting measure 14.4 mm  Attention! similar to 3 3579 1 (fitting measure 16.0mm)	FG18S017,-027,-048,-095 SG10B048 SG15S019 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	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 Xsara 1.4/1.6 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
3 5435 1	 Valeo FIAT Ford Mazda PSA Volvo INA	021040-1100 021040-1410 27415-33020 F-579125 328V2-2 359V1-1  alternative product for NTN-Type  replacement product 3 5433 1	17 /66.4 x 39.9  5 Grooves M14	102211-2780 104210-4450 27060-33030 27060-33040 90A	Toyota Yaris 1.4D-4D Yaris Verso 1.4D-4D Echo Liftback 1.4D-4D
		Denso Toyota INA NTN	17 /59 x 34.66  5 Grooves M16	0 124 425 085,087 M6E 100/ 120A 13266809,-810 6204144	Opel Corsa D 1.2/1.4,-ecoFlex Meriva B 1.4
3 5436 1	 Denso Toyota INA NTN	021040-1100 021040-1410 27415-33020 F-579125 328V2-2 359V1-1  alternative product for NTN-Type  replacement product 3 5433 1	17 /66.4 x 39.9  5 Grooves M14	102211-2780 104210-4450 27060-33030 27060-33040 90A	Toyota Yaris 1.4D-4D Yaris Verso 1.4D-4D Echo Liftback 1.4D-4D
		Denso Toyota INA NTN	17 /59 x 34.66  5 Grooves M16	0 124 425 085,087 M6E 100/ 120A 13266809,-810 6204144	Opel Corsa D 1.2/1.4,-ecoFlex Meriva B 1.4
3 5438 1	 Bosch GM Opel INA	F 00M 992 718 93185744 1204184 F-553240 /.01	17/59 x 34.66  5 Grooves M16	0 124 425 085,087 M6E 100/ 120A 13266809,-810 6204144	Opel Corsa D 1.2/1.4,-ecoFlex Meriva B 1.4
		Bosch GM Opel INA	17/59 x 34.66  5 Grooves M16	0 124 425 085,087 M6E 100/ 120A 13266809,-810 6204144	Opel Corsa D 1.2/1.4,-ecoFlex Meriva B 1.4

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
3 5439 1		Valeo	17/65.3 x 44.3	440243, 440244	Audi A4 3.2 FSI/-quattro A5 3.2 FSI/-quattro Q5 3.2 FSI/-quattro
		VW	6 Grooves	06E 903 016 Q,-S	
		INA	M16	06E 903 018 L 150 A	
3 5441 1		Valeo	17 /64.25 x 37.8	TG11C076	Hyundai ix35 2.0 Sonata V 2.0/2.4 VVTi
		Hyundai	6 Grooves	37300-25301	
		INA	M16		KIA Carens III 2.0 Magentis 2.0 Sportage 2.0
3 5449 1		Denso	17 /75.3 x 39.3	104210-2260	Honda Accord VII+VIII 2.2i-CTDI
		Honda	7 Grooves	104210-2660	
		INA	M14	104210-3911	Accord IX 2.2i-DTEC
			replacement product	104210-4860	Civic VIII 2.2 CTDI
			3 5420 1	31100-RBD-E02	CR-V II 2.2 CTDI
				31100-RSR-E01	CR-V III 2.2i-CTDI
				CSD89	FR-V 2.2i-CTDI
				Denso 130A	
3 5453 1		Denso	17 /60 x 40.9	518 548 98	Alfa 159 1.8 TBi
		FIAT	6 Grooves	Denso 115A	
		INA	M17		Brera 1.8 TBi Giulietta 1.8 TBi Spider 1.8 TBi
					Lancia Delta III 1.8 Di
3 5454 1		Melco	17 /53.3 x 39.8	23100-JD200	Nissan Juke 1.6 DIG-T -4x4
			6 Grooves	A2TJ0281,-ZC	
		Nissan	M17	A3TB1081,-A,-B	Quashqai 2.0
				LR1140-801	Tiida 1.8
				23100-ED000	X-Trail 2.0
				23100-EM01B	
				23100-EM01BR	
				23100-JD200	
				23100-JN81A	
3 5455 1		Subaru	17 /59 x 44.08		Subaru Forester 2.0 D
		INA	7 Grooves		
			M17		Impreza 2.0 D 4x4 Legacy IV 2.0 D,-Station Wagon Outback 2.0 D

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5456 1</b> 	Valeo	2604651	17 /59 x 38.05	0 124 525 064	Citroen Jumper 3.0 HDi FIAT Ducato 3.0 D Multijet Iveco Daily 3.0 D Peugeot Boxer 3.0 D
	FIAT	773 647 97	6 Grooves	FG18S022	
	IVECO	504 2800 12	M16	440197	
	PSA			504057813	
	INA	F-559894		50480012	
				5705 KL,-KP	
<b>3 5457 1</b> 	Delphi Korea	222588	17 /59 x 40.1	100 A	BMW 520d Chevrolet Aveo 1.3D, 1.4Turbo Cruze 1.8, Orlando 1.8
	KDAC	222921 *	6 Grooves		
		55567951	M16		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	55580126 *	5 Grooves *		
		1204178			
	Opel	1204292 *			
		F-563424 /.01/.02	* 6-Groove Pulley		
	INA	F-580007 *	can be used for		
			5-Groove Pulley:		
			keep first groove free !		
<b>3 5458 1</b> 	Valeo	4605956	17 /59 x 38.25	439708, 440300	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
	GM	13258483	6 Grooves	FG12S031	
	Opel	1204177	M16	FG18D057,111	Saab 9-5 2.0 TiD
	Saab	13 258 483	similar type with	FG23S032,033	
	INA	F-239807	5 Grooves	TG12C036,052,069	GM Buick Rendezvous 3.6 I gas
		F-563248 /.01/.02	see 3 5474 1	TG12C070,103	
		F-570802 /.01/.02		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	
<b>3 5459 1</b> 	Delphi Korea	222598	17 /59 x 48.25	1204643	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
	KDAC	55565443	6 Grooves	13502583	
	GM	1204291	M16		Saab 9-5 2.0 TiD
	Opel	F-563945			
	INA				
<b>3 5462 1</b> 	Denso		17 /60 x 39.5	104210-3550,-3560	Ford Focus II 2.5 Volvo S40 II 2.4 V50 2.4 C70 II 2.4
	Ford		5 Grooves	104210-4640	
	Koyo	WCPN36RC4X	M14	3M5T-10300-JC,-JD	
	INA	F-582200		3M5T-10300-SC,-SD	
				30667103,30737529,	
				36001463	
				8603268, 8603496	

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5463 1</b> 	Denso BMW Hyundai/KIA	12 31 7 790 877 37322-4A300 37322-4A310	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
	Koyo NTN INA	WCPN36RDX 359V1-2 F-581342			
<b>3 5464 1</b> 	Bosch GM INA	F 00M 992 719 13285531 F-562331.01	17 /59 x 53.67 6 Grooves M16	0 124 425 084,086 M6E 100/120A 13284408 13284409 12 02 197, 12 02 199	Opel Meriva B 1.4 Ecotec 1.4 EcoFLEX >04/2010
<b>3 5465 1</b> 	Bosch INA	F 00M 992 730 F-559569	17 /65.5 x41.3 6 Grooves M16	0 124 425 100 M6E 120A 735 032 35 13117340, 13117341 93180098, 93180102 6204 187,-188	Alfa 159 1.9 JTDM 8/16 V 159 SW 1.9 JTDM FIAT Bravo 1.9 JTD 16 V Croma 1.9 JTD 8/16 V Grande Punto 1.9 JTD Stilo 1.9 JTD 16V,-S.W. Opel Astra H 1.9 CDTI,-Caravan,-Twin Top 1.9 GTC CDTI Signum 1.9 CDTI Vectra C 1.9 CDTI,-Caravan,-GTS Zafira B 1.9 CDTI >07/2005
<b>3 5466 1</b> 	Melco INA	A252C55975 A252C559FE F-550883 /.02	17 /59 x 42.25 6 Grooves M17	A004TJ0581,-ZE A004TJ0582,-ZE 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	Dacia Lodgy 1.5 dCi Renault Laguna III Megane II+III Scenic II 1.5 dCi
<b>3 5467 1</b> 	Bosch Hitachi Valeo	F 00M 349 911 F 00M 991 264 GD1 15071 2604159 2612688	17/61 x 35 6 Grooves M16	0 121 715 080,180 0 124 525 228,548 0 125 711 035,082,089 H8P 180A , M8E 140A EL7-HED 150A 059 903 015 P,-T 059 903 016 J,-T 059 903 017 P 059 903 018 J,-K,-L,-Q 059 903 018 R,-S,-SX 059 903 019,-A,-B,-C,-D 059 903 019 F,-H,-J,-JX 059 903 023 K,-L 06H 903 016 S	Audi A4 2.7 TDI,-Avant A4 3.0 TDI,-Avant,-Allroad,-quattro A5 2.7 TDI Cabriolet,-Coupe, A5 2.7 TDI Sportback A5 3.0 TDI Cabriolet,-Coupe, A5 3.0 TDI Sportback A6 2.7/3.0 TDI / TFSI A6 Avant 2.7/3.0 TDI A7 Sportback 3.0 TDI A8 2.8/3.2 FSI A8 4.2/3.0 TDI Q5 3.0 TDI Q7 3.0/4.2/6.0 TDI Porsche Cayenne 3.0 D Panamera 3.0 D VW Phaeton 3.0 Tuareg 3.0 V6 TDI
	VW INA	059 903 119 G,-H,-L,-M 06E 903 119 F-551623 /.01/.02/.03/.04			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5468 1</b> 	Valeo	593920 2602341,2604507	17 /70 x 44.3	TG16C011 06E 903 016 E,-F,-G,-K	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
	VW INA	06E 903 119 E,-P F-239779.01 /.02/.03 F-552973.01	6 Grooves M16		
<b>3 5469 1</b> 	Ford Visteon Mazda INA	VP5L8U-10A352-AA F-237401 /.01	17 /59 x 37.7	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
			6 Grooves M16		
<b>3 5470 1</b> 	Denso Honda NSK INA	31141-RL0-G01 4DFB503238 F-563515  alternative product  O.E. product 3 5440 1	17 /70.4 x 39.9	104210-1150 31100-RFW-G01 31100-RFW-G51 31100-RL0-G01 31100-RL0-G51 130 A	Honda Accord VIII 2.2 i-DTEC Civic IX 1.6/2.2 i-DTEC CR-V III+IV 1.6/2.2 i-DTEC -4WD
			7 Grooves M14		
<b>3 5471 1</b> 	Melco Mazda INA	L3M6-18-W11 A,-B F-552714 /.01/.02	17/64 x 35.7	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
			6 Grooves M17		
<b>3 5472 1</b> 	Denso Hyundai/KIA Toyota NTN INA	02131-9130-9132 37321-25301 27415-33050 358V1-1 F-581518  alternative product  replacement product 3 5423 1	17 /68 x 38.2	27060-0N021,-33071,-37010 104210-4101 37300-25301,-25310	Toyota Auris 1.4 D Auris 1.4 D 4-D KIA Magentis 2.0 Carens III 2.0 CVVT Hyundai Sonata V 2.0 VVTi GLS, 2.4
			6 Grooves M14		
<b>NEW 3 5473 1</b> 	Denso Toyota  INA  NTN	27415-26010 27415-30010,-30011 F-585322 alternative product INA 328V2-2, 357V1-1 361V1-1  alternative product  O.E. product: Replacemete product:	17/65 x 41.2	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
			7 Grooves M14		
			3 5382 1 3 5452 1		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>NEW</b> 3 5474 1	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	Chevrolet Cruze 1.4 Orlando 1.4 Opel Astra J 1.4 Cascada 1.4 Corsa D 1.2/1.4 LPG Insignia 1.4 Meriva B 1.4 Zafira C 1.4
					
<b>NEW</b> 3 5475 1	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>NEW</b> 3 5476 1	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>NEW</b> 3 5477 1	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 0 124 655 091 0 125 811 043,044 F 000 BL0 622 B3-110 12V 110A EL8 210A HD8 24V 80A HD8E 14V 120A HD9 24V 90A MK 667722-66725 5801580938	Mitsubishi Canter 3C13,-15-,18 Canter S13,-15 Canter 6C18,-18D Canter 7C15 Eco Hybrid Canter 7C18,-18D 3.0 Fuso Truck 19 to. Fuso Bus Iveco
					
<b>NEW</b> 3 5478 1	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>NEW</b> 3 5479 1	Valeo Denso Hyundai/KIA INA	2605819 F-560201 /.01	17 / 59 x 38.2  6 Grooves M16	104210-1060 37300-2F000/ -100/ -200 37300-27010-13/ -030/-031	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>NEW</b> 3 5480 1	Melco Nissan INA	A252C566FD A252C566FE 23151-5X21A F-561899	17 / 59 x 38.68  7 Grooves M17	23100-1BN1A 23100-5X21A 23100-BR01A	Infinity EX, FX, M 30d Nissan Navara 3.0 dCi 4WD Pathfinder 3.0 dCi Qashqai 1.6
					
<b>NEW</b> 3 5481 1	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>NEW</b> 3 5482 1	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	Opel Astra J 1.7 CDTI Astra GTC J 1.7 CDTI Astra J Sportstourer 1.7 CDTI
					
<b>NEW</b> 3 5483 1	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>NEW</b> 3 5485 1	Denso PSA INA	121041-1190 F-550487.01	17/59 x 38.3  6 Grooves M17	10210-1720 80A 96 882 373 80 98 060 074 80	Citroen C3 II , DS3 Peugeot 208, 2008, 301 1.0/1.2 VTi
					
<b>NEW</b> 3 5486 1	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
					
<b>NEW</b> 3 5487 1	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
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

INA

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>NEW</b> 3 5488 1	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>NEW</b> 3 5489 1	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
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
	Bosch	F 00M 991 078 F 00M 991 116 F 00M 991 192	17 / 61.5 x 69 7 Grooves M16	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 FT 330 K/S, L,M,S FT 350 EL,L,M FT 430 EL,M
	Ford Litens	YC1T-10A352-AC YC1U-10A352-BA 920574  alternative product 3 5393 1 INA		YC1T-10300-BC,-BD,-BE, YC1T-10300-BG,-BH,-BJ 2C1T-10300-AA,-BA 409 8414, 433 2279, 436 2258, 446 1712 437690	
	Bosch	F 00M 991 076 F 00M 991 128 93170214	17 / 58.2 x 43 5 Grooves M16	0 124 515 031 NCB1 120A 91 73572 91 95336 91 95337	Opel Astra G 1.4i -2.0i, -Cabrio,-Caravan Corsa C 1.4i /1.8i 16V Signum 1.8i Vectra C 1.6i /1.8i,-Caravan Zafira A+B 1.6i /1.8i
	GM Opel Litens	1204412 920501			
	Bosch	F 00M 991 139 93172295	17 / 60 x 42.8 5 Grooves M16 w/o. dust cap	0 124 415 026 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	Opel Astra G 2.2 16V 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
	GM Opel Saab Litens	1204376 12786853 920629  alternative product 3 5380 1 INA			
	Ford	YC1U-1033-EA YC1U-10352-BA,-BB YP2C-10A352-AA YP2C1U-10A352-AA 920583 F-558404	17 / 61.5 x 79 7 Grooves M16	YC1U-10300-DA,DB,EA Visteon Model RC 28	Ford Transit 2.4 Diesel Motocraft Version
	Litens INA	Replacement for 3 5359 1 INA			
	Bosch	F 00M 991 210 55352897	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 Twin Top -Cabrio Zafira A+B 2.0 Turbo
	GM Opel Litens	1204393 920755			
	Ford	1S4Q-10344-AB 5M5Q-10D310-AA,AB 5M5Q-10344-AA 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
	Litens INA				

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3594 1</b> 	Denso	021040-1110 021040-1190 021040-1450 121041-1450	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	Jeep Liberty KJ 2.5 Diesel DOHC Cherokee 2.8 CRD 4WD Wrangler III 2.8 CRD
	Chrysler Litens	053013554 AB,-AC 053013554 AD,-AE,-AF 920615 920720		56044530AA,-AB,-AC 56044532AA,-AB,-AC,-AD 56044672 AA,-AB	Dodge Nitro 2.8 CRD
<b>3 3595 1</b> 	Denso	021040-1241 121041-1241	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
	Litens	920752			Landrover Discovery III 2.7 TD Range Rover 2.7 TD
<b>3 3596 1</b> 	Denso	121041-0580	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 JTDM / D Multijet Opel Astra H, Combo, Corsa C+D Meriva,Tigra 1.3 CDTI
	GM Opel FIAT Litens	93185282 62 04 229 773 647 21 920789  alternative product 3 5390 1 INA			
<b>3 5301 1</b> 	Valeo	593891	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
	FIAT GM Opel Suzuki Litens	773 639 54 93178273, 93192631 55186280 31771-85E00-000 920693  alternative product 3 5380 1 INA			
<b>3 5325 1</b> 	Bosch	F 00M 991 240	17 / 60 x 43  5 Grooves M16	0 124 425 041,112 E6 120A FIAT 60694260	Alfa 159 1.9 JTS,-Sportwagon 159 2.2 JTS,-Sportwagon Brera 2.2 JTS Spider 2.2 JTS
	FIAT Litens	773 635 65 920796			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
	3 5361 1	Bosch F 00M 147 877 F 00M 991 238 Opel 12760888 Litens 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
		3 5364 1	Denso 021040-1001,-1040,-1042 021040-1180 Chrysler 4861 513 AA,-AB,-AC 4861 513 AD,AE K04861513AE Litens 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
		3 5367 1	Bosch F 00M 349 860 F 00M 391 100,135 Litens 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
		3 5370 1	Bosch John Deere AL156091 AL166836 Litens 920650  alternative product 3 5360 1 INA	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
		3 5371 1	Ford Volvo Litens 6G9N-6A312-AE,-AF 30777744 920821	10.75-17 / 67 x 53  6 Grooves M17	0 121 715 109
		3 5372 1	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 0 121 715 009 H7P 150A / H8P 180A 6G9N-10300-LA,-MA 1387927 31110085, 36000209,-210

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5377 1</b> 	Denso	021010-1440 021040-1130 021040-1170 021040-1320 021040-1441	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
	Chrysler	04861506 AB,-AD,-AE, 04861506 AF,-AG			
	Toyota	27415-0T010 27415-0T011			
	Litens	920538 920685 920834			
<b>3 5378 1</b> 	Denso		17 / 57 x 49	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
	GM				
	Toyota	27415-0W040 27415-0W041	7 Grooves M14		
	Litens	920802			
<b>3 5402 1</b> 	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 Fiesta IV 1.8 TDDi Focus 1.8 DI/TDDi Tourneo Connect 1.8 Di Transit Connect 1.8 Di/TDCi
	Litens	920476			
<b>3 5404 1</b> 	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,-Twin Top Signum 1.9 CDTI Vectra C 1.9 CDTI,-Caravan,-GTS Zafira B 1.9 CDTI Saab 9-3 1.9 TiD/TTiD
	GM	55564350 55571966			
	Opel	1204151,1204175			
	Litens	920856			
<b>3 5406 1</b> 	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				
	VW	06H 903 119,-A,-B 06H 903 201 C,-D			
	Litens	920851			

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# LITENS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5412 1</b> 	Melco Chrysler Litens	A234D037BC A252C5221C A252C5421C A252C5511C 04891737 AB 920810	17 / 57 x 31  6 Grooves M17	A2TJ0481,-ZC A2TX0281 A3TJ2581,-ZC 04801323AB,-AC, AD 04801477AA 04811490AA	Dodge Caliber 1.8/2.0/2.4 Jeep Patriot, Compass 1.8, 2.0, 2.4i, -Turbo
<b>3 5415 1</b> 	Denso Toyota Litens	27415-0W010 27415-0W0130 920726 920954	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, 27060-31110,-31111,-31161, 27060-31162,-31180,-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 RX 300 RX 3.3, -330 Sport Utility 24V RX 350, -Sport Utility 24V RX 400h, -450h Toyota Landcruiser 4.0, -V6 VVTi RAV 4 III 3.5 VVTi
<b>3 5428 1</b> 	Volvo Ford	30750111 6G9N-10D321-AA	62.2 / 78.5 x 35 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 x 35  no groove M16	0 121 715 009,-109 H8P 180A 6G9N-10300-MA,-XC 1387927 31110085, 36000209	Landrover Freelander II 3.2 4x4 Volvo S80 II 3.2,-AWD,-T6 AWD V70 III 3.2,-AWD,-T6 AWD XC60 3.2,-AWD,-T6 AWD XC70 II 3.2,-T6 XC90 3.2,-AWD
<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 x 49.3  5 Grooves M16	M2P 90A	MB OM660 L3 0.8 I Diesel Smart ForTwo 0.8 >2010

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5444 1</b> 	MB Smart	640 150 01 60 640 150 03 60 640 150 05 60 640 150 06 60 640 150 07 60	17 /57.5 x 40.5  5 Grooves M16	668 154 01 02 668 154 03 02 437415 TG15 150A	MB OM640 L4 1.8/2.0 l Diesel Mercedes A-Class >2008 B-Class V-Class Smart ForFour Mitsubishi Colt VI
	Melco Valeo  Litens	MN960267 593618 593930 920995 921703	alternative product 3 5345 1 INA		
<b>3 5445 1</b> 	Valeo Ford Volvo Litens	2608906 AV6Q-10A352-BA 31285816 920006	17 /59.75 x 39.5  6 Grooves M16	FG15T 150A TG12C 120A	Ford B-Max 1.5/1.6 TDCi Fiesta VI 1.4/1.5/1.6 C-Max II 1.6/2.0 Grand C-Max 1.6/2.0 Focus III 1.6/2.0  Volvo C30 1.6 S40 II 1.6 V50 1.6
	Valeo Ford Volvo Litens	2607423 AV6Q-10A352-AA 31285815 920007	17 /59.7 x 45  6 Grooves M16	FG18T 180A FT15C 150A	Ford C-Max II 1.6/2.0 TDCi Grand C-Max 1.6/2.0 TDCi Fiesta VI 1.4/1.6 TDCi Focus III 2.0 TDCi Galaxy 1.6/2.0 TDCi Mondeo IV 1.6/2.0 TDCi S-Max 1.6/2.0 TDCi  Volvo V40 II 1.6 V50 1.6 S60 II D2 V60 1.6 V70 III 1.6/2.0 S80 II 1.6/2.0
<b>3 5447 1</b> 	Denso Ford Mazda Volvo Litens	021040-1900 9M5Q-10A352-AA   920916	17 /60 x 41  6 Grooves M14	104210-5700,-5710 8M5T-10300-PA,-PB 8M5T-10300-YA,-YB 1704085, 1707062 Y662-18-300A 31285592, 31288154, 31288155, 36002577	Ford Fiesta VI 1.6 TDCi C-Max 1.6 TDCi Focus II 1.6 TDCi Fusion 1.6 TDCi Kuga I 2.0 TDCi / -4x4  Mazda 3 1.6 MZR-CD Volvo C30 1.6D S40 II 1.6D V50 1.6D/2.0D
	Melco  Litens	A252C5321C A252C532BC 920782	17 /68.8 x 44  6 Grooves M17	A3TG1581 140A GM 92211821	Holden GTO 5.7 l V8 OHV Pontiac GTO 6.0 l
<b>3 5460 1</b> 	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 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 Lancia Delta III 1.6/1.9/2.0 D Multijet Ypsilon 1.6/1.9/2.0 JTD

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5461 1</b> 	Denso	27415-0T020,-021 920835	17 /61 x 41	27060-37010	Toyota Auris 1.6/1.8 VVTi
	Toyota		27060-37011		
	Litens		6 Grooves M16	A115 ib	
<b>NEW 3 5484 1</b> 	MB	270 155 03 15	17 /57.5 x 40.65	0 125 711 030,055,068,087	MB A 180,200,250,-4M B 180,200,250 CLA 180,250 >09//2011
	Bosch	270 155 02 15		EL7 PLUS-HED 150A, 175A	
	Litens	F 00M 599 420 F 00M 599 497 920484	5 Grooves M16	MB 000 906 00 22 000 906 08 03 000 906 19 03 000 906 22 02 000 906 23 02	

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 0 124 325 024,031,184,185 0124 415 013,014,040 0124 525 028 KCB1/2 87-98A 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	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 Scenic 1.4 16V,1.4i/ 1.6i, 1.5 DCI Symbol 1.4i 16V 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 8200 373 636 A002TB6481 SG12B038 2542470	Nissan Micra 1.5 Diesel Renault Clio II 1.5 dCi Megane II+III 1.6 16V Scenic II 1.6 16V Kangoo 1.5 dCi Thalia 1.5 dCi Twingo 1.5 dCi
	Mitsubishi Nissan Valeo	A660C300EX  alternative product INA 3 3548 1	5 Grooves		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
	Denso Toyota	021040-1070 27415-30020 27415-0L030	15 / 63 x 41.4  7 Grooves M14	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
		O.E. product  alternative product INA: replacement product:  attention: similar product 3 5382 1 17/63 x 41.4	3 5394 1 3 5434 1		
	Toyota	27415-26010 27415-30010,-30011	17 / 63 x 41.4  7 Grooves M14	27060-0G011 104210-4450 104210-4521	Lexus IS II 200/220d MB C320 CDI Toyota Auris 2.0/2.2D-4D Avensis 2.0/2.2D-4D Corolla Verso 2.2D-4D Dyna 3.0 D-4D Hiace IV 2.5 D-4D Land Cruiser 3.0D-4D RAV4 III 2.2D-4D Verso 2.2 D-4D Yaris 1.3 VVT-i
		O.E. product  alternative product INA: replacement product:  attention: similar product 3 5379 1 15/63 x 41.4	3 5473 1 3 5452 1		
	Melco	A628X91871	17 / 82 x 34.2  V-Belt M17	A003TA6581,-A A003TB0681 23100-AD210,-AD240	Nissan Primera 2.2 Di/dCi
		O.E. product  replacement product:	3 5437 1		
	Melco Mitsubishi	A628X92371 MD371144	17 / 69 x 34.6 6 Grooves M17 w. protection cover	A3TN2481,-A	Mitsubishi Pajero 2.5 TD
		O.E. product  replacement product:	3 5422 1		
	Denso Honda	31141-RBD-E02	17/75 x40  7 Grooves M14	104210-2260 104210-2660 104210-3911 104210-4860 31100-RBD-E02 31100-RSR-E01 Denso 130A	Honda Accord VII+VIII 2.2i CTDI Civic VIII 2.2i CTDI CR-V II+III 2.2 CTDI FR-V 2.2 DTDI
		replacement product  alternative product INA:	3 5449 1		
	Denso Toyota	27415-27011	17/64 x38.6  5 Grooves M14	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
		replacement product  alternative product INA:	3 5308 1		

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5422 1</b>	Melco	A628X92371  replacement product  O.E. product:	17/69 x38.6 6 Grooves M17  3 5413 1	A3TN2481,-A	Mitsubishi Pajero 2.5 TD
					
<b>3 5423 1</b>	Denso Toyota Hyundai/KIA	02131-9130-9132 27415-33050 37321-25301  replacement product  alternative product INA:	17/68 x38.6  6 Grooves M14  3 5472 1	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
					
<b>3 5424 1</b>	Denso Toyota	  replacement product	17/64 x41.6  7 Grooves M14	104210-3410,-3411 27060-30060	Toyota Land Cruiser 3.0D-4D
					
<b>3 5425 1</b>	Denso Ford Mazda Volvo NTN	8666579 / 3066 7067 DCA 1834 IR  replacement product  alternative product INA:	17/59 x43  6 Grooves M14  3 5396 1	104210-3511,-3512,-3513 1229258 1255712 1477737 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
					
<b>3 5426 1</b>	Melco Suzuki NSK	31171-84A10 91215 571  replacement product	17/59 x33.6  6 Grooves M17	A003TN2581,-A 31400-84A00,-A10 DRA 0232 100A	Suzuki Jimny 1.5 DDiS 4WD
					
<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
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5432 1</b> 	Melco Mazda	A628X92071 RF5C-18-330  replacement product  alternative product INA:	17/64 x43  8 Grooves M17  3 5353 1	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
	<b>3 5433 1</b> 	Denso Toyota	021040-1100,-1410 27415-30011,-33020  replacement product  alternative product INA:	17/66 x39  5 Grooves M14  3 5436 1	102211-2780 27060-30080 90A
<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  3 5379 1 3 5394 1	102211-2810,-5600	Toyota Hiace IV 2.5D-4D Hilux III 3.0/2.5D-4D Land Cruiser 3.0D-4D
	<b>3 5437 1</b> 	Melco	A628X91871  replacement product  O.E. product:	17/82 x 34.5  V-Belt M17  3 5383 1	A3TA6581,-A A3TB0681 23100-AD210,-240
<b>3 5440 1</b> 	Honda NSK	31141-RL0-G01 4DFB503238  O.E. product  alternative product INA:	17 /70.4 x 32.5  7 Grooves M14  3 5470 1	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
	<b>3 5451 1</b> 	Denso Toyota	replacement product	17 /62.3 x 38.9  8 Grooves M14	104210-3710,-3714

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# JAPANESE STYLE

IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 5452 1</b> 	Denso	27415-26010	17 /64.9 x 39	27060-0G011	Lexus IS II 200d/220d
	Toyota	27415-30010 replacement product O.E. product: alternative product INA:	7 Grooves M14 3 5382 1 3 5473 1	104210-4521	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

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 3552 0</b>	Valeo INA	2546990 F-226954-91	Pulley-Cover Dust Cap	replaced by 3 3553 0	
					
<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	
					
<b>3 3597 0</b>	Bosch Denso Ford Visteon Opel Litens	F 00M 391 400  93 187 362 920617, 920732	Pulley-Cover	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	
					

# FREILAUFRIEMENSCHLEIBEN OVERRUNNING PULLEYS

# COVER LITENS

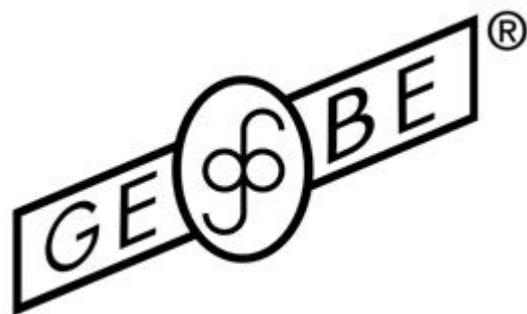
IKA-No.	Original	References	Dimensions mm	Unit-Nos.	Application
<b>3 3599 0</b>	Bosch Litens	F 00M 148 604 920575	Pulley Cover Dust Cap	fits IKA-No.: 3 3562 1	
					
<b>3 5322 0</b>	Bosch Opel Litens	F 00M 148 603 F 00M 148 607 920502	Pulley Cover Dust Cap		
					
<b>3 5350 0</b>	Bosch Litens	F 00M 148 617 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 Litens	F 00M 148 618 F 00M 148 619 F 00M 591 400  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 Combistool	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 Combistool		for assembly of INA Types VALEO Application	3 3533 1, 3 3541 1 3 3543 1
 <b>3 3575 0</b>	Denso	Pulley Combistool		for assembly of INA Types DENSO Application VOLVO Application	3 3539 1
 <b>3 4201 0</b>	Bosch	Pulley Combistool	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 Combistool	Torx T50 6 teeth	for assembly of Litens Decoupler Pulleys	
 <b>3 5306 0</b>	Renault		Pulley Combistool	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	
					



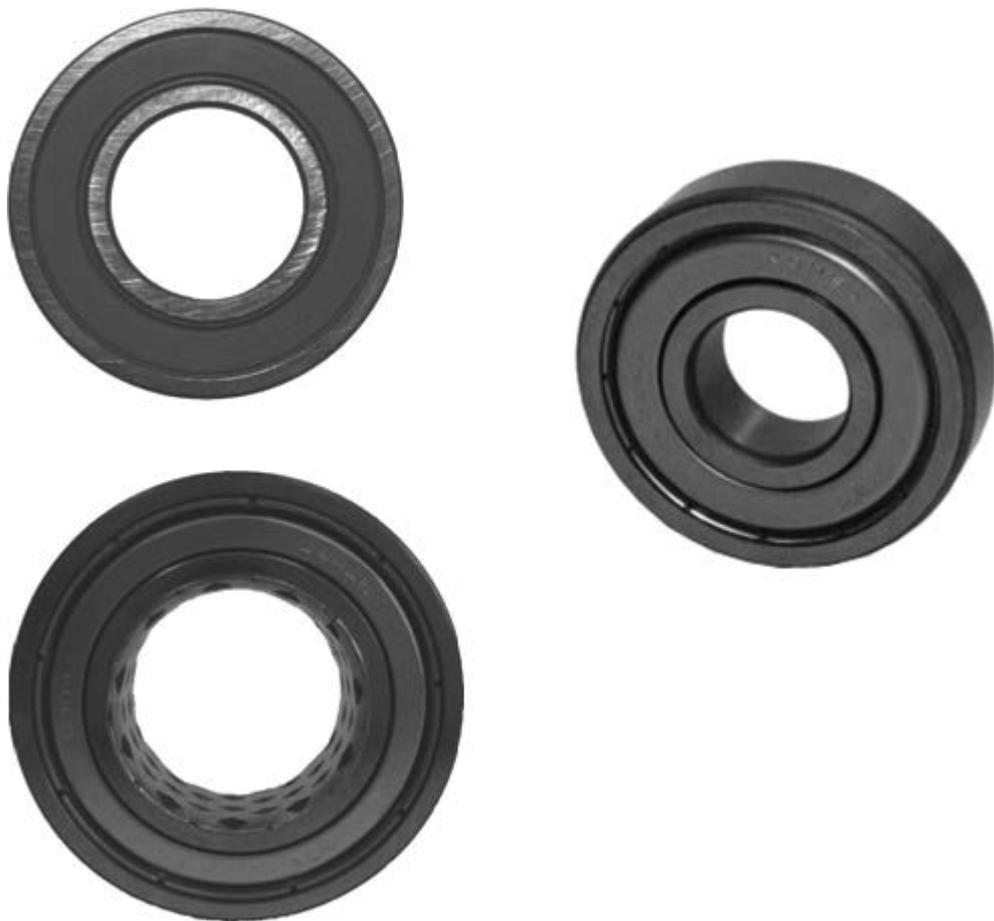
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# 14

KUGELLAGER

BEARINGS

ROULEMENTS





IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8121 0	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	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 0 124 625 010,029,030,043,046, 051, 0 124 655 001-007,009,011,023, 026,030,036-039,042,

IKA-No.	Original	References	Dimensions	Unit-Nos.
				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	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	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	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	0 120 468 028,054,055,136,147
<b>8 8389 0</b>	Bosch	1 120 905 097	17 / 62 x 20 mm	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	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, 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
	SKF	63001 2RS		

IKA-No.	Original	References	Dimensions	Unit-Nos.
				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	0 001 510 001-003,005,008-010, 017-041 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	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	0 001 510 001-003,005,008-010, 017-041
<b>8 8659 0</b>	Bosch	F 00M 990 437	17 / 62x 21 mm	0 124 655 024,057,072,073
<b>8 8660 0</b>	Bosch	6 003 AC0 294	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 DE
<b>8 8662 0</b>	Bosch SKF	F 00M 990 400,402,403 405,418 BB1-0603A	17 / 35 x 10 mm	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, 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,

IKA-No.	Original	References	Dimensions	Unit-Nos.
				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 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
<hr/>				
<b>8 8663 1</b>	Bosch	9 001 453 666	Bearing Kit	0 001 371 001

<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	
<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>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	
<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	
<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	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 8435 0</b>	Melco	6906 DW with 2 grooves inside	30 x 47 x 9 mm	M0T60081,60181,60187, 60281,60285, 60381,
<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 8689 1</b>	Melco	S930P18501,-18570 B 8-85 D with snapping	8 / 23 x 14 mm	A1T01791,02091,02191,02291, 04691,04791,04892,04991, A2T02394,-B,04377,04477, 04577,04598,04677,05772
<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

IKA-No.	Original	References	Dimensions	Unit-Nos.
8 8433 0	Remy	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
	Ford			

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8212 0</b>	Melco Valeo  FAG	B 17-99 592905,592936, 593674 565007, 806078	17 / 52 x 17 mm	Valeo A14VI10
<b>8 8212 1</b>	Valeo	592905,592936 593674	17 /52 x17 mm	A13V02,05,07, A13VI67,69,71,74,75,77,81, 94,95,99-102,134,135, 138,170,201 A14VI10
<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	A13VI100,170,174-176,199
<b>8 8546 1</b>	Valeo	592866,593690	15 /32 x 11 mm	A11VI10,11,15-18,21-26 28-31,51 A13VI132,139,141,144

<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	KBC	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	KBC	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	

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
5 8119 7	SKF	6203 2RSH	17 / 40 x 12 mm	VPE 210
5 8120 7	SKF	6201 2RSH	12 / 32 x 10 mm	VPE 384
5 8124 7	SKF	6003 ZZ	17 / 35 x 10 mm	VPE 312
5 8134 7	SKF	6304 2RSH	20 / 52 x 15 mm	VPE 85
5 8143 7	SKF	6001 2RSH	12 / 28 x 8 mm	VPE 630
5 8144 7	SKF	6002 2RSH	15 / 32 x 9 mm	VPE 432
5 8147 7	SKF	608 ZZ	8 / 22 x 7 mm	VPE 300
5 8148 7	SKF	607 2RS1/H	17 / 19 x 6 mm	VPE 1
5 8153 7	SKF	609 2RS1/H	19 / 24 x 7 mm	VPE 1
5 8155 7	SKF	627 2RS1/H	17 / 22 x 7 mm	VPE 1
5 8156 7	SKF	6200 2RSH	10 / 30 x 9 mm	VPE 495
5 8157 7	SKF	6202 2RSH	15 / 35 x 11 mm	VPE 273
5 8158 7	SKF	6303 2RSH	17 / 47 x 14 mm	VPE 120
5 8186 7	SKF	626 2RS1/H	6 / 19 x 6 mm	VPE 210
5 8187 7	SKF	6629 2RS1/H	9 / 26 x 8 mm	VPE 350
5 8210 7	SKF	6000 2RSH	10 / 26 x 8 mm	VPE 350
5 8213 7	SKF	6003 2RSH	17 / 35 x 10 mm	VPE 312
5 8214 7	SKF	6004 2RSH	20 / 42 x 12 mm	VPE 182
5 8215 7	SKF	6005 2RSH	25 / 47 x 12 mm	VPE 140
5 8216 7	SKF	6006 2RS1	30 / 55 x 13 mm	VPE 90
5 8222 7	SKF	6204 2RSH	20 / 47 x 14 mm	VPE 120
5 8224 7	SKF	6205 2RSH	25 / 52 x 15 mm	VPE 85
5 8226 7	SKF	6206 2RSH /1	30 / 62 x 16 mm	VPE 60
5 8227 7	SKF	6207 2RSH /1	35 / 72 x 17 mm	VPE 32
5 8236 7	SKF	6302 2RSH	15 / 42 x 13 mm	VPE 156
5 8239 7	SKF	6305 2RSH /1	25 / 62 x 17 mm	VPE 48
5 8241 7	SKF	6306 2RSH /1	30 / 72 x 19 mm	VPE 32
5 8263 7	SKF	6608 2RS1/H	8 / 22 x 7 mm	VPE 300
5 8551 7	SKF	63001 2RS1C3	12 / 28 x 12 mm	VPE 1
8 8137 0	FAG	62304 2RSR	20 / 52 x 21 mm	

<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Dimensions</b>	<b>Unit-Nos.</b>
<b>8 8256 0</b>	Remy SKF	10473711 62000 2RS	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 8257 0</b>	SKF	62303 2RS	17 / 47 x 19 mm	
<b>8 8258 0</b>	FAG	62302 2RSR	15 / 42 x 17 mm	
<b>8 8259 0</b>	FAG	62305 2RS	25 / 62 x 24 mm	
<b>8 8679 0</b>	FAG	62202 2RSR	15 / 35 x 14 mm	

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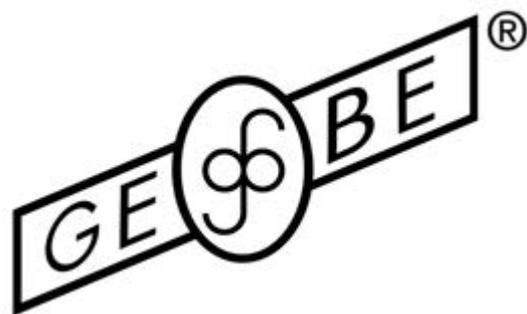
# 15

ABDECKKAPPEN

COVERS

CAPOTS ALTERNATEURS





# ABDECKKAPPEN COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3660 0	Bosch	1 125 500 108, 128,603 Cover	0 120 485 034,036,038,039,043,044 0 123 310 001-003,018
	1 3662 0	Bosch	1 125 500 058,086,116, 190,623 Cover	0 120 485 011,012,022 0 123 310 005
	1 3664 0	Bosch	1 125 500 085,152,185,564 Cover	0 120 335 006,007,011,012 0 123 110 004
	1 3667 0	Bosch	1 125 500 119 1 125 500 192 Cover	0 120 465 003,004,013-017 0 123 500 001,002,017
	1 3671 0	Bosch	1 125 500 154,510,572 Cover	0 123 100 001,002 0 123 110 005 0 123 120 001 9 123 100 002,005 9 123 120 001
	1 3678 0	Denso	021551-1480 Cover	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	Unit-Nos.
	1 3635 0	Marelli Fiat	836 177 21 855 600 11 855 607 01 Cover	AA125R 63320023,63321057
	1 3650 0	Valeo Ducellier Motorola	590651 V294-0 Cover	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 Cover	A13N2M
	1 3609 0	Valeo	590566 Cover	A14N73,-75,-95,-104, A14N138,-140,-180,-205
	1 3610 0	Valeo Paris Rhone	100995 590563 Cover	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 Cover	7522B,C, 7529A,C, 7532A-E 7534A-E,7556A

# ABDECKKAPPEN COVERS

IKA-No.	Original	References	Unit-Nos.
1 3627 0	Valeo Ducellier	691222 Cover	516006C-E, 516020A-D, 516023A-D, 516024,-B, 516025, 516026
			
1 3651 0	Valeo	592942 Cover	A11VI11,23,-24,-25,-32,-33 A13VI46,49 w. internal fan
			
1 3652 0	Valeo	592946 Cover	A11VI10,-15,-16,-17,-18,-47,-48,-91 A13VI30,-48,101,-102,-203
			
1 3655 0	Valeo	592944 Cover	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 Cover	A14VI10,-11,-13,-14,-30,-31
			
1 3658 0	Valeo	592940 593295 Cover	A13VI10,-17,-63,-67,-69,-77,126,137,138 -155,-173
			

# ABDECKKAPPEN COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3687 0	Valeo	592941 593237 Cover	A11VI64 A13VI18,76
	1 3688 0	Valeo	591105 593291 Cover	A11VI67,79,81,85 A13VI157,163-167,184,185
	1 3689 0	Valeo	593315 Cover	A13VI179,207-213,216-218,224,227, A13VI254,255,264-267
	1 3690 0	Valeo	593317 Cover	A11VI87 A13VI188,235
	1 3701 0	Valeo	593417 593834 Original Cover	SG12B015,-042,-047,-049 SG14B010,-011,-042
	1 3702 0	Valeo	593848 Original Cover	

# ABDECKKAPPEN COVERS

	IKA-No.	Original	References	Unit-Nos.
	1 3703 0	Valeo	593367 Original Cover	A13VI241
	1 3704 0	Valeo	593504 Original Cover	SG8B023,-026 SG9B048,-055,-057
	1 3705 0	Valeo	593416 593481 Original Cover	SG8B011,-013,-015-018 SG9B013,-015,-018,-019,-023,-024,-049
	1 3706 0	Valeo	590651 Original Cover	2541395,-1396,-1402 2940303,-0304,-0363,0365, -0369,-0371 Replacement: 1 3650 0



# 16

VERSCHIEDENE ALTERNATORTEILE

VARIOUS ALTERNATOR PARTS

DIVERSES PIECES DE ALTERNATEURS





VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No.	Original	References	Dimensions	Unit
<b>1 3500 0</b>	Bosch	1 123 429 235 Thru Bolt	M 5 x 132 mm	0 120 468 053,107,113,115, 137,138,142,143, 145,149,155,161, 0 120 469 119,120 0 120 488 256,277,278,282, 291 0 120 489 315,316 6 033 G00 1BY,-4BY 6 033 G30 03B,-81B,-82B 6 033 GB3 006,010,023,045,054,083
<b>1 3501 0</b>	Bosch	1 123 429 102,202 Thru Bolt	M 5 x 108 mm	0 120 300 550,551,569,592 0 120 339 528,533,534 0 120 400 600-603,606,608,609,611, 620,621,626-631,637,639-642, 649,650,653,673-675,681,682, 688,689,694,699,700,710-713, 722,723,736,742,743,752,753, 771,772,782,783,794,795,800, 823-825,833,834,839-841,852, 853,858,859,884,889,890,912, 913,921,922,928,938,939,943, 947,948,951-954 0 120 450 009,011-014,016-031 0120 469 004-007,009,016,017,032, 512,513,517,531,559,563,564, 566-568,570-574,588-591,594, 595,608,609,611,617-624,628, 639,640,642,644,645,648,649, 655-662,664,665,668-672, 680-685,688,694,695,713,747, 748,750,751,754,757-759, 777-779,781-789,793-795,799, 800-802,804-810,815-817, 827-830,837,838,844,878,879, 881-883,906,907,909-916,918, 919,921-924,935,944,945,949, 950,958,966-969,973,974,984, 985,988,991-997 0 120 484 001,009,012,015,018-021, 030-036,038,039,042 0 120 488 100,101,114,120-122,129-131, 134,138,139,142,143,146-153, 178-181,183-185,194,195,211, 214,215,219-221,225,229-231, 233,234,250,251,254,257-262, 274,280,283-285,287,295,299, 300-303,309-311,313-315, 0 120 489 001,018,027-029,036-040, 045-052,054,065,066,072-075, 090-093,095-097,099,103, 106-119,122,125,130,131, 134-147,151-155,162,170,171, 173,174,181,182,189-194, 215-217,220,244,258,259,267, 272,273,285,287,289-291,295, 297,307-312,,318,319,334-340, 343-345,349-353,358,384,385, 387,389-395,402-405,408,424, 450,455,460,461,465-467, 471-478,481,485-487,490-494, 498,506,507,533,543,586,588, 590,594,595,602,604,605,624, 626-632,635,636,644-646,648, 666-668,671,680,692,702,763, 767-770,775,776,778,780,781, 788,802,806,838-841,843, 847-851,854,855,874,879,880, 889,895,896,898,895,933,949, 952,955-959,984,985 0 120 888 888 6 033 G20 67B 6 033 G30 46B 6 033 GB2 009 6 033 GB3 046,049 6 033 GB5 001,010 9 120 060 684 9 120 080 012,039,055,058,089,139,141, 157,168,188,190-195,203,206, 212-214,221,223,226,228,230,232 9 120 144 205,206,216,217,236,237

VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No. Original References Dimensions Unit

9 120 334 317,318,328  
9 120 335 003  
9 120 690 006,013,019-021,098,146,150,  
152,154,155,167,170,172,174,  
182,208,210,214,220,226,229,  
239,244,260,261,275,283,304,  
308,327,329,377,398,405,407,  
409,416,417,422,424,427,431,  
445,450,456,459,465,470,475,  
476,487,490,493  
F 000 LD0 100-102,106,  
F 000 LD1 123,124  
F 010 LD0 001,103

1 3502 0

Bosch

1 123 429 116,216  
Thru Bolt

M 5 x 96 mm



0 120 400 618,619,660-664,671,672,  
685,690,691,697,698,701,  
715,737,773,775,778,779,  
806-810,843,845,846,866,  
867,869,872,873,878,885,  
893-896,899-903,906,934,  
944,945,  
0 120 468 019,020,070,109,112,  
121-123,141  
0 120 469 035,980  
0 120 484 004,010,028,049  
0 120 488 102,103,118,119,123,124,  
160,161,166,167,200,201,  
296,297  
0 120 489 024-026,030,031,043,044,  
057,058,061,064,149,150,  
167,168,184,298-302,397,  
398,469,470,479,480,482,  
483,488,489,526,527,556,  
683,686-688,717,718,729,  
748,749,751,786,829,917,  
918,928,930-932,935,936  
9 120 144 010,011,016,026,028,039,  
040,111-127,130-133,202,  
204,209,218-224,227,  
229-233,235,240-245,  
254-258,261,265-274,  
277-281,283-290,293-298,  
302,303,  
9 120 334 137,306-312,319,323,324  
9 120 690 011,012,014,015,024,461

1 3679 0

Bosch

1 120 591 076, -103  
Bearing Cap

40/43 x 16.6 mm  
Bearing 6303



0 120 335 008,010  
0 120 465 003,004-009,011-018,020,023,  
026-029,031  
0 120 485 005-008,011,012,015-018,020,  
022-026,028-030,032,034,036,  
038,09,041,043,044,046-048,050  
0 123 100 001-003  
0 123 105 002,003  
0 123 110 005-008  
0 123 114 005  
0 123 115 009-014  
0 123 210 001  
0 123 212 001  
0 123 213 006,007  
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  
0 123 320 001-012,014,016-028,030-034,  
036-039,048,050-052,054,055,057,  
059,063,065-067  
0 123 325 002-008,010-015  
0 123 335 001,003-006  
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,

VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No.	Original	References	Dimensions	Unit
				096,099,105,106,109
				0 123 515 002-004,007014,016-018,020-025, 028,030,031
				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
				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
				F 010 LDO 202,205,206

**1 3680 0** Bosch 1 120 591 075 34/35 x 42.0 mm  
Bearing Cap 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  
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

**1 3681 0** Bosch 1 120 591 082 32/35 x 15.0 mm  
Bearing Cap Bearing 6201



0 120 400 704,705,758,759,806-811,814,  
860,861,864-869,872,873,885,  
898-903,906,947-954

0 120 450 030,031

0 120 468 004-006,009-012,015,016,029,  
035,036,045,046,057-060,080-086,  
101,119,120,125,163

0 120 469 020,021,028,029,034,035,046,047,  
647,666,682-685,689,690,696-708,  
710,713-720,722-732,734,736-742,  
744-746,750,751,757-759,774,  
777-780,784-789,793,808-817,  
829-831,835-838,845-848,856-861,  
865,873,875,878,879,881-884,  
892-894,896,897,904,913-916,918,  
919,925-943,946-948,976,977,980,  
991-997

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,  
086-088,091,095-101,104,105,148,  
172,175,176,213,214,245,267,268,  
288,290,291,304,305,310-312,

VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No.	Original	References	Dimensions	Unit
				360-383,395,403-405,418,419, 421-423,425-449,451,471-474, 482-484,488-492,495-497,499, 508-511,536,561,562,568,588,590, 594,594,601,602,604,605,624,664, 666-668,671,680,692,706,802-804, 806,839,841,843,847-851,854,855, 889,894-896,939,940,956-959
				0 120 888 888
				9 120 080 129,131,163,164,167-169,172,180, 185,203,204,206,214,217,500-502
				9 120 144 222-224,227,281,282,289,290,301, 317,318,323,324,328
				9 120 690 291,292,325,335,355,435,438,449, 460,469,485,488,499,500
				9 120 699 044
				F 000 LD0 104,500

**1 3684 0** Bosch 1 120 591 060  
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  
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,  
652,653,686,687,692,693,  
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  
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



VERSCHIEDENE ALTERNATORTEILE  
VARIOUS ALTERNATOR PARTS

BOSCH

IKA-No.	Original	References	Dimensions	Unit
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, 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

**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
				

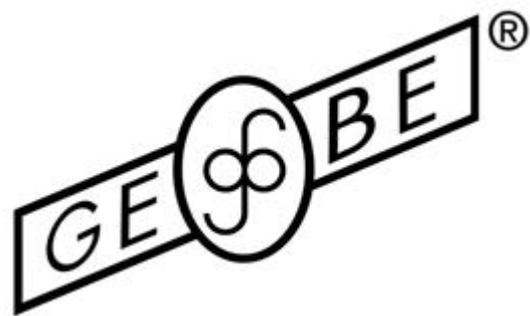
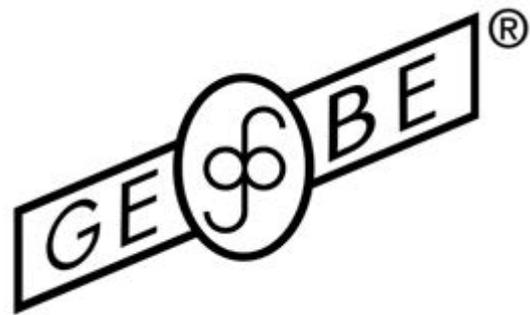
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# 17

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	4 4507 0 VALEO	12.00 / 15.00	x 08.00	4 4418 0 LUCAS
06.00 / 09.00	x 07.00	4 4504 0 VALEO	12.00 / 15.00	x 10.00	4 4501 0 VALEO
06.00 / 10.00-13.70	x 08.00	4 4503 0 VALEO	12.00 / 15.00	x 12.00	4 4264 0 ISKRA
07.00 / 10.00	x 06.10	4 4506 0 VALEO	12.00 / 15.00	x 12.00	4 4264 0 LUCAS
07.00 / 11.90	x 10.00	4 4273 0 FORD	12.00 / 15.00	x 15.00	4 4265 0 LADA
08.00 / 11.50-14.50	x 10.00	4 4316 0 FIAT / MARELLI	12.00 / 15.00	x 16.70	4 4400 0 LUCAS
08.00 / 12.00	x 09.60	4 4312 0 FIAT / MARELLI	12.00 / 15.05-18.00	x 16.00	4 4350 0 PARIS-RHONE
08.06 / 11.12	x 08.00	4 4054 0 BOSCH	12.00 / 16.00	x 09.50	4 4465 0 MITSUBISHI
08.06 / 11.12	x 08.00	4 4054 0 VALEO	12.00 / 16.00	x 12.00	4 4311 0 FIAT / MARELLI
08.06 / 11.12	x 10.00	4 4052 0 BOSCH	12.00 / 16.00	x 14.00	4 4300 0 FEMSA
08.10 / 11.50	x 11.60	4 4452 0 MITSUBISHI	12.00 / 16.00	x 14.00	4 4300 0 FIAT / MARELLI
08.10 / 12.45	x 10.00	4 4272 0 FORD	12.00 / 16.00	x 16.00	4 4304 0 FEMSA
10.00 / 13.00	x 12.00	4 4257 0 DUCELLIER	12.00 / 16.00	x 16.00	4 4304 0 FIAT / MARELLI
10.00 / 13.00	x 13.00	4 4371 0 PARIS-RHONE	12.00 / 16.00	x 16.00	4 4304 0 LADA
10.00 / 13.00	x 16.00	4 4372 0 PARIS-RHONE	12.00 / 16.00	x 16.00	4 4304 0 ISKRA
10.00 / 13.00-16.00	x 10.50	4 4484 0 MITSUBISHI	12.00 / 16.00	x 24.00	4 4305 0 FEMSA
10.00 / 14.00	x 09.50	4 4470 0 MITSUBISHI	12.00 / 16.00	x 24.00	4 4305 0 LADA
10.00 / 14.00	x 13.50	4 4464 0 MITSUBISHI	12.00 / 16.00	x 24.50	4 4305 0 FIAT / MARELLI
10.00 / 14.00	x 13.50	4 4302 0 FIAT / MARELLI	12.05 / 14.05	x 14.00	4 4204 0 DELCO
10.00 / 14.00	x 13.50	4 4302 0 ISKRA	12.05 / 15.05	x 12.00	4 4264 0 DUCELLIER
10.00 / 14.00	x 13.50	4 4302 0 PAL MAGNETON	12.05 / 15.05	x 12.00	4 4264 0 PARIS-RHONE
10.00 / 14.00	x 15.00	4 4301 0 FIAT / MARELLI	12.05 / 15.05	x 12.00	4 4264 0 ROMANIAN
10.00 / 14.00	x 15.00	4 4248 0 PAL MAGNETON	12.05 / 15.05	x 15.00	4 4063 0 BOSCH
10.00 / 14.00-16.00	x 13.00	4 4280 0 FEMSA	12.05 / 15.05	x 15.00	4 4265 0 DUCELLIER
10.00 / 16.10	x 10.00	4 4093 0 BOSCH	12.05 / 15.05	x 15.00	4 4265 0 PARIS-RHONE
10.06 / 14.10	x 10.00	4 4056 0 BOSCH	12.05 / 15.05	x 15.00	4 4265 0 ROMANIAN
10.06 / 14.10	x 10.00	4 4056 0 VALEO	12.05 / 15.05	x 20.00	4 4256 0 DUCELLIER
10.06 / 16.60	x 10.50	4 4061 0 BOSCH	12.05 / 15.05	x 20.00	4 4256 0 PARIS-RHONE
10.06 / 16.60	x 11.50	4 4077 0 BOSCH	12.05 / 15.55	x 05.50	4 4485 0 HITACHI
10.06 / 16.60	x 11.50	4 4077 0 FIAT / MARELLI	12.06 / 16.12	x 14.00	4 4012 0 BOSCH
10.06 / 16.60-19.00	x 14.80	4 4005 0 BOSCH	12.06 / 16.12	x 16.00	4 4011 0 BOSCH
10.07 / 14.10	x 13.00	4 4113 0 BOSCH	12.10 / 13.62	x 11.50	4 4009 0 BOSCH
10.10 / 15.50	x 10.40	4 4450 0 DENSO	12.10 / 13.62	x 13.50	4 4053 0 BOSCH
11.00 / 15.00	x 15.00	4 4459 0 HITACHI	12.10 / 13.62	x 18.80	4 4066 0 BOSCH
11.00 / 13.00	x 13.00	4 4456 0 MITSUBISHI	12.10 / 14.12	x 12.00	4 4123 0 BOSCH
11.00 / 13.50	x 09.00	4 4072 0 BOSCH	12.10 / 14.12	x 13.00	4 4123 0 BOSCH
11.00 / 14.00	x 13.00	4 4458 0 MITSUBISHI	12.10 / 14.12	x 14.00	4 4136 0 BOSCH
11.00 / 14.70	x 08.00	4 4469 0 DENSO	12.16 / 14.10	x 18.00	4 4314 0 FIAT / MARELLI
11.00 / 14.70	x 11.00	4 4451 0 DENSO	12.50 / 14.70	x 14.00	4 4457 0 DENSO
11.06 / 13.63	x 14.00	4 4021 0 BOSCH	12.50 / 15.50	x 10.50	4 4462 0 DENSO
11.10 / 12.62	x 10.50	4 4122 0 BOSCH	12.50 / 16.00	x 12.00	4 4454 0 HITACHI
11.10 / 12.62	x 11.50	4 4032 0 BOSCH	12.50 / 16.00	x 12.00	4 4454 0 PAL MAGNETON
11.20 / 15.90-26.20	x 16.30	4 4402 0 LUCAS	12.50 / 16.00	x 15.00	4 4455 0 HITACHI
11.50 / 15.00	x 13.00/14.00	4 4466 0 HITACHI	12.50 / 16.50	x 10.50	4 4461 0 DENSO
11.60 / 13.50	x 18.00	4 4310 0 FIAT / MARELLI	12.50 / 16.50	x 14.00	4 4475 0 DENSO
11.60 / 14.08	x 13.00	4 4426 0 ISKRA	12.56 / 16.60	x 08.00	4 4071 0 BOSCH
12.00 / 13.20	x 12.00	4 4203 0 DELCO	12.56 / 16.60	x 10.00	4 4062 0 BOSCH
12.00 / 13.20	x 18.20	4 4206 0 DELCO	12.56 / 16.60	x 11.50	4 4004 0 BOSCH
12.00 / 14.00	x 16.00	4 4453 0 MITSUBISHI	12.56 / 16.60	x 14.00	4 4002 0 BOSCH
12.00 / 14.00	x 20.00	4 4380 0 PARIS-RHONE	12.56 / 16.60	x 14.00	4 4247 0 PAL MAGNETON
12.00 / 14.00	x 20.00	4 4380 0 MITSUBISHI	12.56 / 16.60	x 15.80	4 4000 0 BOSCH
			12.56 / 16.60	x 18.00	4 4103 0 BOSCH
			12.57 / 18.54	x 19.80	4 4306 0 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	4 4417 0 LUCAS	18.00 / 22.00	x 05.00	4 4502 0 VALEO
12.70 / 15.80	x 12.70	4 4404 0 LUCAS	18.03 / 22.12	x 06.50	4 4057 0 BOSCH
12.70 / 15.80	x 19.60	4 4406 0 LUCAS	18.03 / 22.12	x 08.00	4 4055 0 BOSCH
12.70 / 15.90	x 16.50	4 4412 0 LUCAS	18.10 / 22.04	x 06.80	4 4443 0 HITACHI
12.80 / 14.35	x 19.80	4 4200 0 DELCO	18.10 / 23.00	x 08.00	4 4313 0 FIAT / MARELLI
12.80 / 15.90	x 14.00	4 4414 0 LUCAS	18.17 / 23.05	x 09.20	4 4318 0 FIAT / MARELLI
12.80 / 19.10	x 14.00	4 4411 0 LUCAS	18.80 / 20.00	x 11.50	4 4481 0 MITSUBISHI
12.90 / 14.45	x 18.00	4 4479 0 MITSUBISHI	19.00 / 20.60	x 17.80	4 4403 0 LUCAS
13.00 / 15.00	x 12.00	4 4263 0 DUCCELLIER	19.00 / 20.60	x 20.60	4 4407 0 LUCAS
13.00 / 15.00	x 14.50	4 4253 0 DUCCELLIER	19.06 / 22.53	x 13.90	4 4241 0 PAL MAGNETON
14.00 / 17.00	x 19.60	4 4401 0 LUCAS	19.09 / 23.10	x 10.00	4 4126 0 BOSCH
14.00 / 17.60	x 15.00	4 4109 0 BOSCH	19.09 / 23.10	x 13.00	4 4141 0 BOSCH
14.00 / 18.00	x 15.00	4 4351 0 FEMSA	19.09 / 25.10	x 10.00	4 4102 0 BOSCH
14.00 / 18.00	x 16.00	4 4351 0 DUCCELLIER	19.09 / 25.10	x 13.00	4 4111 0 BOSCH
14.00 / 18.00	x 16.00	4 4351 0 ROMANIAN	19.20 / 31.80	x 10.20	4 4205 0 DELCO
14.00 / 18.00	x 16.00	4 4351 0 PARIS-RHONE	20.00 / 24.00	x 05.00	4 4505 0 VALEO
14.00 / 18.00	x 18.00	4 4353 0 DUCCELLIER	20.00 / 24.00	x 12.00	4 4352 0 PARIS-RHONE
14.00 / 18.00	x 18.00	4 4472 0 HITACHI	20.00 / 24.00	x 16.00	4 4363 0 PARIS-RHONE
14.00 / 18.00	x 18.00	4 4353 0 PARIS-RHONE	20.00 / 28.00	x 29.00	4 4365 0 PARIS-RHONE
14.00 / 18.00	x 20.00	4 4354 0 DUCCELLIER	20.00 / 28.00-32.00	x 25.00	4 4366 0 PARIS-RHONE
14.00 / 18.00	x 20.00	4 4354 0 FIAT / MARELLI	20.27 / 24.00	x 13.09	4 4308 0 FIAT / MARELLI
14.00 / 18.00	x 20.00	4 4471 0 HITACHI	20.40 / 26.50	x 12.50	4 4463 0 HITACHI
14.00 / 18.00	x 20.00	4 4354 0 PARIS-RHONE	21.03 / 24.67	x 25.90	4 4245 0 PAL MAGNETON
14.00 / 20.00	x 10.00	4 4080 0 BOSCH	21.30 / 24.40	x 25.00	4 4202 0 DELCO
14.01 / 17.05	x 15.00	4 4255 0 DUCCELLIER	22.04 / 26.03	x 27.40	4 4242 0 PAL MAGNETON
14.06 / 18.10	x 14.00	4 4142 0 BOSCH	22.04 / 26.03	x 27.40	4 4246 0 PAL MAGNETON
14.06 / 20.03	x 17.00	4 4137 0 BOSCH	22.05 / 26.05	x 05.20	4 4444 0 HITACHI
14.10 / 20.00	x 11.80	4 4307 0 FIAT / MARELLI	22.05 / 26.28	x 05.20	4 4477 0 HITACHI
14.20 / 17.20	x 13.00	4 4460 0 MITSUBISHI	22.08 / 26.10	x 23.00	4 4105 0 BOSCH
14.30 / 16.00	x 39.80	4 4001 0 BOSCH	22.14 / 28.10	x 11.30	4 4116 0 BOSCH
14.36 / 16.04	x 10.00	4 4023 0 BOSCH	22.70 / 28.50	x 05.90	4 4482 0 DENSO
14.36 / 16.04	x 11.70	4 4131 0 BOSCH	23.00 / 27.00	x 06.00	4 4478 0 MITSUBA
14.36 / 16.04	x 13.70	4 4124 0 BOSCH	23.04 / 27.03	x 19.80	4 4244 0 PAL MAGNETON
14.36 / 16.04	x 20.50	4 4144 0 BOSCH	25.00 / 30.00	x 20.00	4 4370 0 PARIS-RHONE
14.36 / 16.04	x 23.50	4 4106 0 BOSCH	25.00 / 32.00	x 17.90	4 4081 0 BOSCH
14.40 / 17.50	x 22.20	4 4415 0 LUCAS	25.00 / 32.00-39.00	x 20.00	4 4362 0 PARIS-RHONE
14.54 / 18.03	x 14.80	4 4240 0 PAL MAGNETON	26.12 / 30.13-33.00	x 11.50	4 4013 0 BOSCH
14.54 / 18.03	x 16.80	4 4243 0 PAL MAGNETON	26.12 / 32.13-33.00	x 11.50	4 4027 0 BOSCH
15.07 / 18.10	x 11.80	4 4315 0 FIAT / MARELLI	27.00 / 35.00	x 14.00	4 4364 0 PARIS-RHONE
15.80 / 19.00	x 19.00	4 4405 0 LUCAS	27.10 / 31.24-31.40	x 05.80	4 4476 0 HITACHI
15.95 / 19.15	x 14.00	4 4259 0 DUCCELLIER	27.10 / 35.00-40.00	x 29.50	4 4367 0 PARIS-RHONE
15.95 / 19.15	x 14.00	4 4259 0 PARIS-RHONE	28.50 / 32.30	x 11.00	4 4082 0 BOSCH
16.00 / 19.20	x 22.00	4 4201 0 DELCO	28.50 / 32.30	x 11.00	4 4083 0 BOSCH
16.00 / 20.00	x 08.00	4 4368 0 PARIS-RHONE	28.60 / 31.80-38.10	x 13.00	4 4410 0 LUCAS
16.00 / 20.00	x 10.00	4 4355 0 PARIS-RHONE	34.50 / 44.00	x 42.50	4 4199 0 BOSCH
16.00 / 20.00	x 25.00	4 4369 0 PARIS-RHONE	40.00 / 48.00	x 10.50	4 4115 0 BOSCH
16.20 / 19.15	x 15.00	4 4260 0 DUCCELLIER			
16.67 / 19.60	x 19.00	4 4104 0 BOSCH			
17.00 / 21.00	x 24.00	4 4361 0 PARIS-RHONE			
17.10 / 21.00	x 22.20	4 4409 0 LUCAS			
17.50 / 20.10	x 07.50	4 4467 0 HITACHI			
17.61 / 21.62	x 09.50	4 4022 0			

# 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	8 2269 0 VALEO	26.10 / 33.00	x 13.70	8 8677 0 VALEO
05.00 / 08.52	x 06.86	8 4209 0 BOSCH	28.00 / 35.20	x 14.62	8 4090 0 BOSCH
05.00 / 09.00	x 09.00	8 2260 0 BOSCH	31.00 / 37.00	x 16.00	8 4094 0 BOSCH
05.00 / 09.00	x 09.00	8 2260 0 VALEO	33.00 / 48.00	x 15.00	8 8693 0 BOSCH
06.00 / 10.00	x 08.00	8 2256 0 BOSCH			
06.00 / 10.00	x 08.00	8 2256 0 FORD			
06.00 / 10.00	x 08.00	8 2256 0 VALEO			
06.00 / 10.00	x 09.00	8 2258 0 BOSCH			
06.00 / 10.00	x 09.00	8 2258 0 VALEO			
08.00 / 12.00	x 08.00	8 8674 0 DELCO			
08.00 / 12.00	x 08.00	8 8673 0 DELCO			
08.00 / 12.00	x 08.00	8 8673 0 MITSUBA			
09.00 / 13.00	x 10.00	8 8675 0 BOSCH			
10.00 / 14.00	x 10.00	8 4096 0 BOSCH			
10.00 / 14.00	x 10.00	8 4096 0 FIAT/MARELLI			
10.00 / 14.00	x 10.00	8 4096 0 VALEO			
10.00 / 14.00	x 12.00	8 8668 0 VALEO			
10.00 / 14.00	x 14.00	8 4097 0 BOSCH			
10.00 / 15.00	x 15.00	8 8314 0 MITSUBISHI			
10.00 / 15.00	x 15.40	8 4210 0 MITSUBISHI			
10.00 / 17.00	x 12.00	8 4091 0 BOSCH			
11,50 / 17.50	x 16.50	8 8684 0 DELCO			
12.00 / 16.00	x 10.00	8 4079 0 BOSCH			
12.00 / 16.00	x 10.00	8 4079 0 Delco			
12.00 / 16.00	x 10.00	8 4079 0 FIAT/MARELLI			
12.00 / 16.00	x 10.00	8 4079 0 FORD			
12.00 / 16.00	x 10.00	8 4079 0 LUCAS			
12.00 / 16.00	x 10.00	8 4079 0 VALEO			
12.00 / 16.00	x 14.00	8 4095 0 BOSCH			
12.00 / 17.00	x 12.00	8 8305 0 MITSUBISHI			
12.00 / 18.00	x 12.00	8 8981 0 FORD			
12.00 / 18.00	x 14.00	8 4098 0 FIAT/MARELLI			
12.00 / 18.00	x 16.00	8 4099 0 BOSCH			
12.00 / 18.00	x 16.00	8 4099 0 VALEO			
12.50 / 17.00	x 17.00	8 8315 0 DENSO			
14.00 / 19.00	x 12.00	8 8161 0 MITSUBISHI			
14.00 / 20.00	x 14.00	8 8982 0 MITSUBISHI			
14.29 / 19.05	x 12.70	8 4208 0 FORD			
15.00 / 21.00	x 12.00	8 8829 0 HITACHI			
15.87 / 23.81	x 21.90	8 4092 0 BOSCH			
16.00 / 20.70	x 19.00	8 8664 0 BOSCH			
16.00 / 23.85	x 18.95	8 8663 0 BOSCH			
17.00 / 23.80	x 17.40	8 8200 0 DELCO closed			
17.00 / 23.80	x 17.40	8 8200 0 FORD closed			
17.00 / 23.80	x 17.40	8 8200 0 LUCAS closed			
17.00 / 23.80	x 17.40	8 8277 0 LUCAS open			
17.00 / 23.80	x 31.80	8 4207 0 DELCO closed			
17.46 / 22.23	x 09.50	8 8681 0 FORD			
17.46 / 22.23	x 09.50	8 8681 0 MITSUBISHI			
18.00 / 24.00	x 12.00	8 8118 0 BOSCH			
18.00 / 24.00	x 12.00	8 8118 0 VALEO			
18.00 / 24.00	x 16.00	8 8983 0 BOSCH			
19.05 / 25.40	x 15.88	8 8275 0 BOSCH			
20.00 / 26.00	x 12.00	8 8986 0 HITACHI			
20.50 / 27.00	x 09.50	8 8160 0 MITSUBISHI			
22.00 / 28.00	x 12.00	8 8671 0 HITACHI			
22.00 / 28.00	x 16.00	8 8665 0 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	8 8263 0	949100-1360	608 2RS	DENSO		
8 / 22 x 7	8 8263 0	2114-15502	608 2RS1	23319-M4900 (Nissan)	HITACHI	
8 / 22 x 11	8 8691 0	S930P17170	B 8-74 D with snapping		MITSUBISHI	
8 / 23 x 11	8 8690 0	S930P17970	B 8-79 D with snapping		MITSUBISHI	
8 / 23 x 14	8 8689 1	S930P18570	B 8-85 D with snapping		MITSUBISHI	
8 / 28 x 9	8 8670 0	949100-4840			DENSO	
10 / 23 x 11	8 8685 0		B 10-46 D	6900 BPL	HITACHI	
10 / 27 x 11	8 8687 0		B 10-50 D	23120-58S01,-6000G,6000HC (Nissan)	HITACHI	
10 / 27 x 14	8 8139 0	S930P64570	SC0081LHIA with 2 teflon rings		MITSUBISHI	
12 / 32 x 10	8 8131 0	S930P61201	6201 DW with snapping	S210-24-523 (Mazda)	MITSUBISHI	
12 / 32 x 13	8 8220 0		6201 V B 12-57 with snapping		HITACHI	
12 / 35 x 18	8 8140 0	949100-2140			DENSO	
15 / 28 x 7	8 8255 0		6902 2RS1	Honda Gear Reduction Starters	MITSUBISHI	
15 / 32 x 9	8 8144 0	949100-4130			DENSO	
15 / 32 x 11	8 8546 0	949100-3170		90099-10154 (Toyota)	DENSO	
15 / 35 x 11	8 8666 0		6202 LLBC3		HITACHI	
15 / 35 x 11	8 8138 0	with snapping	6202 NC	23129-16A00 (Nissan)	HITACHI/MITSU.	
15 / 35 x 13	8 8545 0	949100-2790,-3980			DENSO	
15 / 35 x 13	8 8135 0	S930P18301,18370,64301, 64370		6202 NCD with snapping	B 15-69 D,T	HITACHI/MITSU.
15 / 36 x 18	8 8265 0	949100-3270			DENSO	
15 / 38 x 19	8 8541 0	949100-3480	348		DENSO	
15 / 42 x 13	8 8169 0		6302 NC with snapping		HITACHI	
15 / 43 x 13	8 8538 0	949100-3190	319	90099-10152 (Toyota)	DENSO	
15 / 43 x 24	8 8434 0	949100-3440			DENSO	
15 / 46 x 14	8 8540 0	949100-3360,-3450,-4620	336		DENSO	
15 / 47 x 14	8 8536 0	S930P63070	6303 LH	B 15-86 D	B 15-86 W3,AT1	MITSUBISHI
15 / 47 x 18	8 8686 0	S930P18470	B 15-84 DW	B 15-83 D		MITSUBISHI
15 / 52 x 16	8 8141 0	949100-3820,-3821	6304B15W16 2RS			DENSO
17 / 30 x 7	8 8260 0	2114-25502	6903 2RS1	23338-M4900 (Nissan)		HITACHI
17 / 47 x 18	8 8682 0	S930P64470	B17-107 D			MITSUBISHI
17 / 47 x 24	8 8253 0	S930P64870	MD618338	2 B17-4 DG		MITSUBISHI
17 / 52 x 15	8 8547 0	02131-0940				POONG SUNG
17 / 52 x 16	8 8539 0	949100-3330,-4370		333		DENSO
17 / 52 x 17	8 8212 0		B 17-99			MITSUBISHI
17 / 52 x 18	8 8312 0	S930P80570	B17-116 DG			MITSUBISHI
18.73 / 37 x 9	8 8680 0		6904 DW (incl. bushing )			MITSUBISHI
18.73 / 42 x 12	8 8306 0		6004 DW (incl. bushing)		M410X14171	MITSUBISHI
20 / 37 x 9	8 8261 0	2114-35502	6904 2RS1	23358-M4900 (Nissan)		HITACHI
20 / 42 x 12	8 8214 0	2114-45502	6004 2RS1	23363-M4900 (Nissan)		HITACHI
20 / 52 x 15	8 8134 0	949100-2700	6304 2RSC3			DENSO
25 / 42 x 9	8 8262 0	2130-3302	6905 2RS	23441-J5500 (Nissan)		HITACHI
30 / 47 x 9	8 8431 0		6906 2RS1	M1T60081,-60181,-60185,-60281, 60285,-60581,-61181		MITSUBISHI

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# 18

TECHNISCHE INFORMATIONEN

TECHNICAL INFORMATION

INFORMATIONS TECHNIQUES

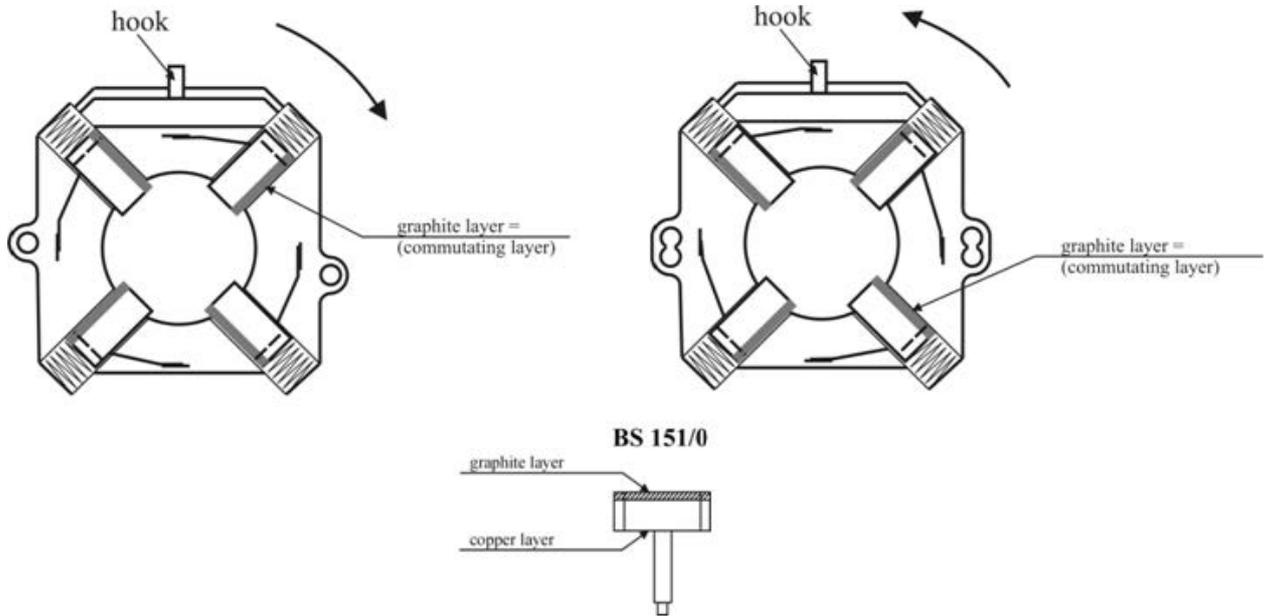


# Assembly Instructions for Bosch Gear-Starter Brushes

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

7 7130 1 clockwise rotation EV(R)

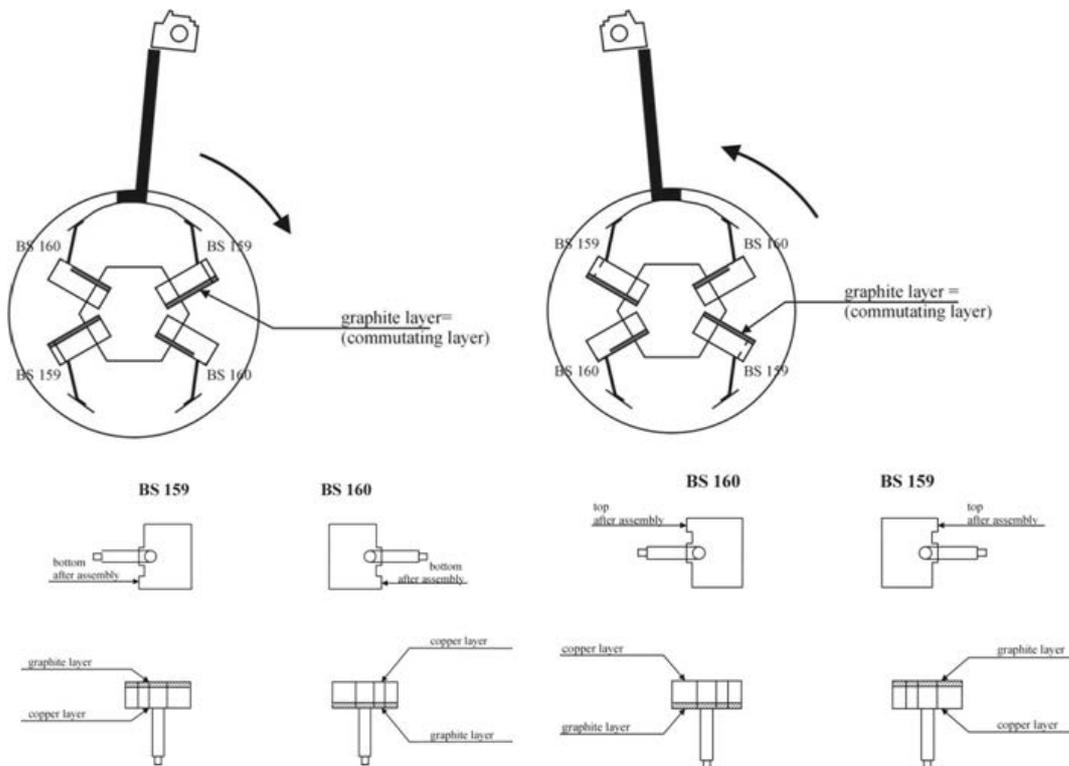
7 7133 1 anticlock rotation EV(L)



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

7 7124 1 clockwise rotation DW(R)

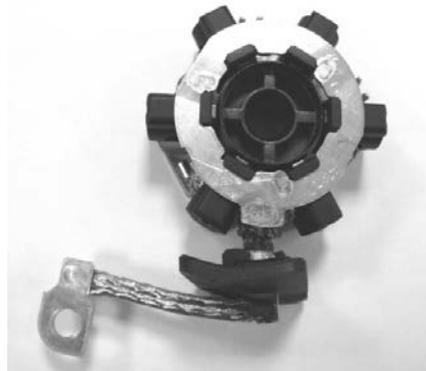
7 7128 1 anticlock rotation DW(L)



# Assembly Instructions for Brush holder with 6 brushes

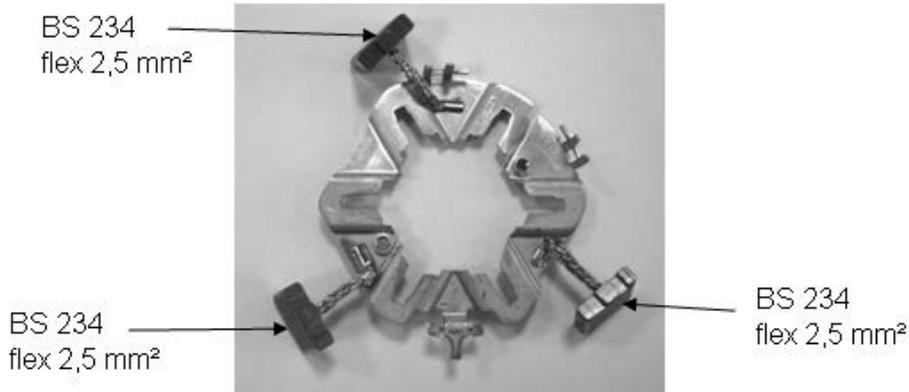
Brush holder 7 7538 1 with 3 x BS 234 and 3 x BS 235

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



Upper side

Lower side



## Attention!

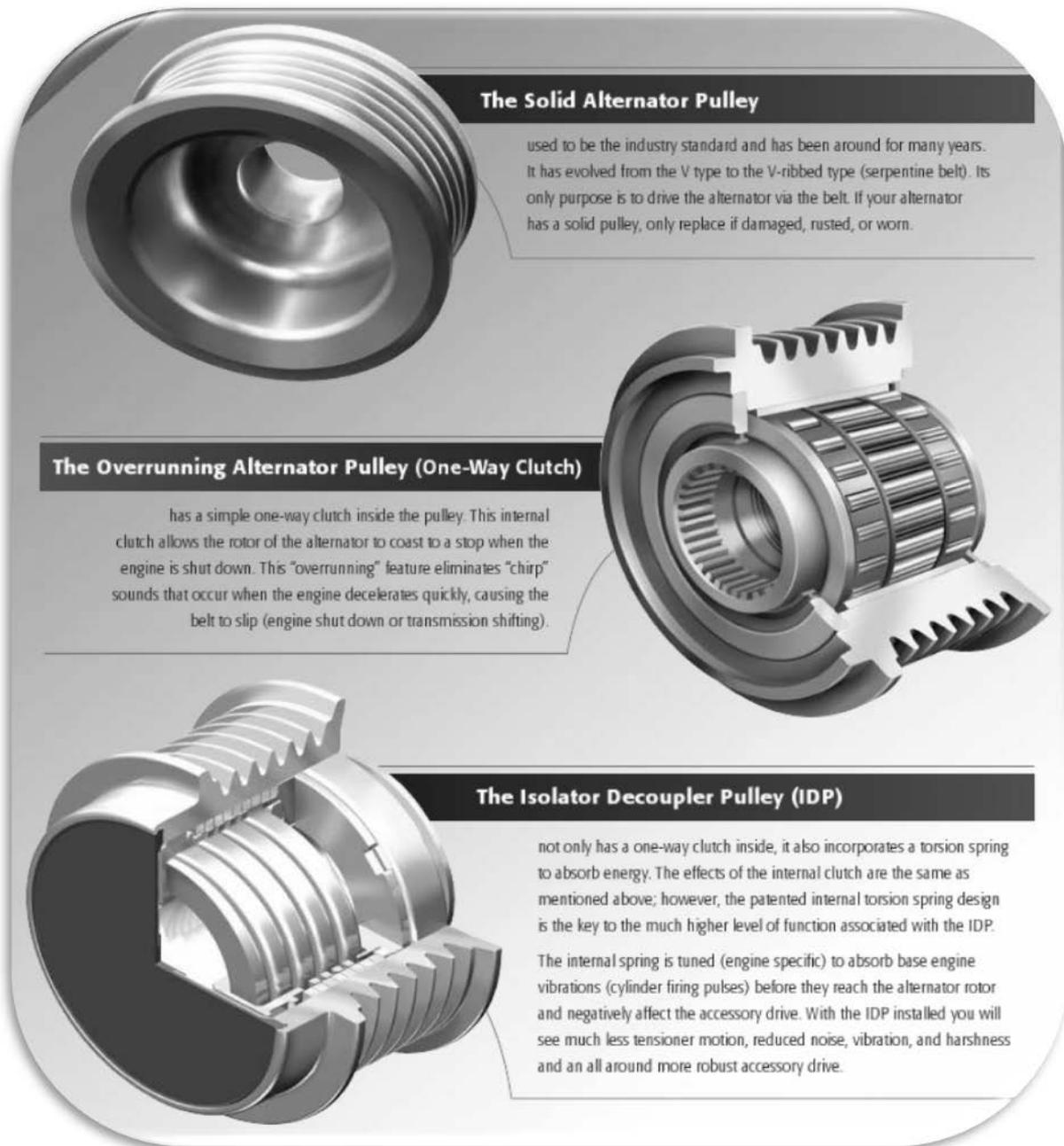
( L ) anti clock rotation: all brushes with assembly mark left in direction to brush ring

( 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.

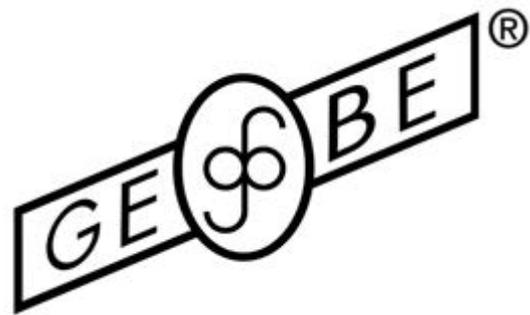
These new generations of Pulleys achieve their performance by using two different technologies.



### 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.





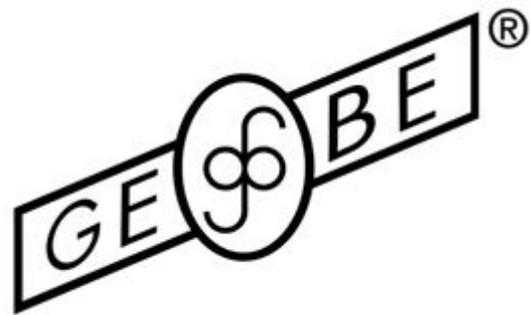
# 19

## VERGLEICHSLISTE

## CROSS REFERENCE LIST

## LISTE DE CORRESPONDANCE ENTRE LES REFERENCES

<b>BOSCH</b>	393-406	<b>LUCAS</b>	437
<b>CARGO</b>	406-415	<b>LUK</b>	437-439
<b>DENSO</b>	416-417	<b>MARELLI / FIAT</b>	439-440
<b>EURO REF.</b>	418-420	<b>MELCO</b>	440-442
<b>FCC</b>	420-421	<b>MONARK</b>	443
<b>FORD-VISTEON</b>	421-422	<b>PAL / MAGNETON</b>	444
<b>FUJI</b>	422-426	<b>REMY</b>	444-445
<b>GHIBAUDI</b>	426-427	<b>SKF / NTN / FAG</b>	445
<b>HITACHI</b>	428-429	<b>VALEO</b>	446-449
<b>ICRA</b>	429	<b>IKA vs. EURO REF.</b>	450-452
<b>INA</b>	430-434		
<b>ISKRA</b>	435		
<b>LCL</b>	435-436		
<b>LITENS</b>	436		



# VERGLEICHSLISTE CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
0 121 C00 401	3 5386 1	317	1 000 301 077	4 4053 0	187	1 004 336 136	7 7128 1	79
0 122 1AA 4Z0	3 3531 1	297	1 000 301 078	4 4123 0	189	1 004 336 139	7 7129 1	79
0 122 1AA 5L0	3 3531 1	297	1 000 301 080	4 4071 0	188	1 004 336 146	7 7124 1	78
0 122 1AA 6K0	3 3547 1	299	1 000 301 082	4 4066 0	188	1 004 336 147	7 7128 1	79
0 122 1AA 7V0	3 3531 1	297	1 000 301 083	4 4056 0	188	1 004 336 155	7 7127 1	79
0 122 1AA 8F0	3 3547 1	299	1 000 301 091	4 4071 0	188	1 004 336 156	7 7127 1	79
0 122 1AA 8F0	4 0736 0	231	1 000 301 093	4 4001 0	187	1 004 336 162	7 7124 1	78
0 124 A00 238	3 3584 1	305	1 000 322 005	4 4005 0	187	1 004 336 200	7 7126 1	79
0 331 101 005	4 3471 0	234	1 000 390 001	4 4082 0	188	1 004 336 217	7 7125 1	79
0 331 101 006	4 6054 1	234-235	1 000 390 003	4 4082 0	188	1 004 336 219	7 7259 1	91
0 331 450 001	4 6035 1	234	1 000 390 004	4 4085 0	188	1 004 336 239	7 7131 1	80
0 331 450 002	4 3470 0	233	1 000 500 591	4 2238 1	211	1 004 336 257	7 7127 1	79
0 399 D77 075	7 7550 1	107	1 000 917 001	8 2256 0	203	1 004 336 272	7 7203 1	83
0 952 236 000	4 5040 1	139	1 000 917 002	8 2258 0	203	1 004 336 279	7 7284 1	93
086 264 492	4 5005 1	136	1 000 917 003	8 4096 0	203	1 004 336 300	7 7124 1	78
1 000 290 014	4 2222 0	175	1 000 917 004	8 4097 0	204	1 004 336 301	7 7252 1	90
1 000 290 020	4 2222 0	175	1 000 917 005	8 4095 0	203	1 004 336 302	7 7125 1	79
1 000 301 000	4 4000 0	187	1 000 917 006	8 8675 0	206	1 004 336 309	7 7131 1	80
1 000 301 001	4 4004 0	187	1 000 917 007	8 4094 0	203	1 004 336 314	7 7260 1	92
1 000 301 002	4 4002 0	187	1 000 917 008	8 4209 0	204	1 004 336 318	7 7124 1	78
1 000 301 008	4 4123 0	189	1 000 917 009	8 4090 0	203	1 004 336 320	7 7131 1	80
1 000 301 009	4 4009 0	187	1 000 917 010	8 4090 0	203	1 004 336 321	7 7260 1	92
1 000 301 011	4 4011 0	187	1 000 917 012	8 4090 0	203	1 004 336 326	7 7126 1	79
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1 000 301 013	4 4013 0	187	1 001 933 106	4 7149 0	235	1 004 336 337	7 7257 1	91
1 000 301 019	4 4131 0	189	1 001 933 111	4 7149 0	235	1 004 336 338	7 7283 1	92
1 000 301 021	4 4021 0	187	1 004 336 009	7 7117 1	77	1 004 336 343	7 7257 1	91
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1 000 301 062	4 4062 0	188	1 004 336 101	7 7121 1	78	1 004 336 395	7 7518 1	100
1 000 301 063	4 4063 0	188	1 004 336 102	7 7122 1	78	1 004 336 396	7 7250 1	90
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1 000 301 072	4 4072 0	188	1 004 336 125	7 7124 1	78	1 004 336 401	7 7129 1	79
1 000 301 074	4 4055 0	187	1 004 336 130	7 7124 1	78	1 004 336 402	7 7127 1	79
1 000 301 076	4 4054 0	187	1 004 336 132	7 7124 1	78	1 004 336 403	7 7256 1	91

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1 004 336 414	7 7250 1	90	1 004 336 464	7 7258 1	91	1 004 336 549	7 7203 1	83
1 004 336 415	7 7131 1	80	1 004 336 465	7 7132 1	80	1 004 336 550	7 7135 1	80
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1 004 336 421	7 7131 1	80	1 004 336 471	7 7248 1	89	1 004 336 556	7 7520 1	101
1 004 336 422	7 7284 1	93	1 004 336 472	7 7298 1	95	1 004 336 557	7 7290 1	93
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1 004 336 454	7 7297 1	95	1 004 336 532	7 7288 1	93	1 004 336 588	7 7286 1	93
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1 004 336 592	7 7233 1	87	1 004 336 648	7 7292 1	94	1 004 336 727	7 7293 1	94
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1 004 336 595	7 7542 1	105	1 004 336 653	7 7227 1	86	1 004 336 730	7 7129 1	79
1 004 336 596	7 7229 1	86	1 004 336 654	7 7288 1	93	1 004 336 731	7 7129 1	79
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1 004 336 624	7 7229 1	86	1 004 336 707	7 7509 1	99	1 004 336 758	7 7290 1	93
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1 004 336 629	7 7203 1	83	1 004 336 713	7 7135 1	80	1 004 336 763	7 7248 1	89
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1 004 336 638	7 7515 1	100	1 004 336 723	7 7234 1	87	1 004 336 773	7 7224 1	85
1 004 336 640	7 7505 1	98	1 004 336 724	7 7517 1	100	1 004 336 774	7 7237 1	87
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1 004 336 784	7 7229 1	86	1 004 336 835	7 7132 1	80	1 004 336 898	7 7224 1	85
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1 004 336 823	7 7257 1	91	1 004 336 885	7 7135 1	80	1 004 336 941	7 7256 1	91
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1 004 336 949	7 7132 1	80	1 004 337 005	7 7545 1	105	1 004 337 168	7 7569 1	109
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1 004 336 952	7 7125 1	79	1 004 337 013	7 7539 1	104	1 004 338 140	7 7550 1	107
1 004 336 953	7 7125 1	79	1 004 337 015	7 7562 1	107	1 004 611 006	4 0749 0	231
1 004 336 954	7 7256 1	91	1 004 337 016	7 7563 1	108	1 004 611 007	4 0740 0	231
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1 004 336 957	7 7131 1	80	1 004 337 020	7 7563 1	108	1 005 821 303	4 2202 0	171
1 004 336 958	7 7127 1	79	1 004 337 021	7 7563 1	108	1 005 821 306	4 2204 0	172
1 004 336 959	7 7129 1	79	1 004 337 022	7 7542 1	105	1 005 821 307	4 2201 0	171
1 004 336 960	7 7124 1	78	1 004 337 023	7 7561 1	107	1 005 821 308	4 2203 0	171
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1 127 014 015	0 1081 1	251	1 917 000 257	0 1460 1	26	1 917 012 104	0 1266 1	270
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333293	7 7120 1	78	BSX151S4	0 1158 1	8	BX2152	0 1068 1	254
333294	7 7125 1	79	BSX1554	0 1164 1	8	IKSX10-114	0 1537 1	39
333295	7 7125 1	79	BSX157-1584	0 1165 1	9	IKSX2-32	0 1532 1	39
333296	7 7256 1	91	BSX159-1604	0 1166 1	9	JSX134	0 1457 1	25
333297	7 7123 1	78	BSX163-1644	0 1168 1	9	JSX162	0 1459 1	26
333298	7 7122 1	78	BSX1654	0 1169 1	10	JSX184	0 1461 1	26
333299	7 7136 1	81	BSX1664	0 1173 1	10	JSX194	0 1462 1	26
333300	7 7199 1	82	BSX170-1714	0 1171 1	10	JSX21-22	0 1464 1	26

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CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
JSX23-24-28	0 1466 1	27	PSX1324	0 1769 1	60	USX50-514	0 1354 1	65
JSX31-32	0 1470 1	27	PSX1332	0 1770 1	60	USX64-652	0 1355 1	65
JSX33-344	0 1471 1	27	PSX136-1374	0 1771 1	60	USX73-852	0 1361 1	66
JSX35-364	0 1472 1	28	PSX138-1392	0 1775 1	60	USX76-77-78	0 1363 1	66
JSX35-374	0 1473 1	28	PSX140-1414	0 1776 1	60	USX91-922	0 1367 1	66
JSX38-39-403	0 1474 1	28	PSX142-1434	0 1779 1	61	USX93-942+1	0 1368 1	66
JSX38-412	0 1475 1	28	PSX142-1444	0 1752 1	61			
JSX43-45-444	0 1478 1	29	PSX144-145K	0 3778 1	62			
JSX51-522	0 1480 1	29	PSX146-147K	0 3777 1	61			
JSX51-52-593	0 1485 1	30	PSX152-1538	0 1780 1	63			
JSX51-52-634	0 1486 1	30	PSX1554	0 1728 1	63			
JSX52	0 1451 1	25	PSX1564	0 1726 1	63			
JSX61-62-634	0 1487 1	30	PSX1584	0 1752 1	61			
JSX94	0 1454 1	25	PSX54-692	0 1738 1	58			
JX222	0 1410 1	258	PSX64-702	0 1741 1	58			
JX262	0 1413 1	258	PSX77-784	0 1759 1	59			
JX30-312	0 1415 1	258	PSX81-824	0 1746 1	58			
JX322	0 1417 1	258	PSX83-844	0 1750 1	58			
JX422	0 1433 1	258	PSX884	0 1756 1	58			
LASX15-164	0 1608 1	40	PX502	0 1710 1	272			
LASX15-274	0 1609 1	40	PX52-542	0 1712 1	272			
LASX314	0 1614 1	40	PX582	0 1717 1	272			
LASX364	0 1615 1	40	PX602	0 1719 1	272			
LASX424	0 1618 1	41	RX1034	0 1256 1	54			
LAX232	0 1553 1	264	RX103E2	0 1268 1	270			
LAX292	0 1558 1	264	RX103F2	0 1267 1	270			
LAX312	0 1560 1	264	RX1044	0 1280 1	54			
LAX31-322	0 1561 1	264	RX1202	0 1250 1	53			
LAX92	0 1550 1	264	RX1204	0 1251 1	53			
MASX13-144	0 1663 1	43	RX1214	0 1286 1	52			
MASX15-164	0 1664 1	43	RX1224	0 1280 1	54			
MASX17-184	0 1665 1	43	RX122H4	0 1256 1	54			
MASX19-204	0 1666 1	43	RX1246	0 1281 1	54			
MASX21-224	0 1668 1	43	RX124H6	0 1257 1	54			
MASX23-244	0 1669 1	44	RX128H6	0 1281 1	54			
MASX25-264	0 1670 1	44	RX1344	0 1282 1	55			
MASX27-284	0 1671 1	44	RX134H4	0 1259 1	55			
PLSX2	0 1100 1	3	RX1354	0 1283 1	55			
PLSX24	0 1100 1	3	RX135H4	0 1260 1	55			
PLSX34	0 1690 1	51	RX1364	0 1259 1	55			
PLSX44	0 1691 1	51	RX1374	0 1260 1	55			
PLSX54	0 1689 1	51	RX604	0 1284 1	52			
PLX102	0 1692 1	269	RX874	0 1287 1	52			
PSX108-1092	0 1760 1	59	RX954	0 1288 1	52			
PSX1124	0 1755 1	59	SVX52	0 1781 1	273			
PSX115-1162	0 1757 1	59	SVX72	0 1781 1	273			
PSX119-1202	0 1760 1	59	SVX92	0 1781 1	273			
PSX1292+1P	0 1766 1	59	USX50-512	0 1353 1	65			

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021010-1440	3 5377 1	333	0231-9040	8 8547 0	353	028099-7220	4 3525 0	240
021040-0970	3 3539 1	298	023740-0200	0 1997 1	23	028099-7230	4 3477 0	238
021040-1001	3 5364 1	332	023740-0210	0 1997 1	23	028099-7231	4 3478 0	238-239
021040-1040	3 5364 1	332	028017-19500	4 3521 0	239-240	028099-7240	4 3479 0	239
021040-1042	3 5364 1	332	028017-19502	4 3473 0	238	028099-7242	4 3479 0	239
021040-1060	3 3578 1	304	028017-19511	4 3522 0	240	028099-7750	4 3530 0	241
021040-1070	3 5379 1	338	028017-19512	4 3474 0	238	028099-7751	4 3530 0	241
021040-1070	3 5394 1	318-319	028099-2680	4 3531 0	241	028099-7752	4 3530 0	241
021040-1070	3 5434 1	340	028099-2690	4 3533 0	241-242	028099-7800	4 3528 0	241
021040-1100	3 5433 1	340	028099-2691	4 3533 0	241-242	028099-7812	4 3528 0	241
021040-1100	3 5436 1	322	028099-2790	4 3523 0	240	028099-8672	4 3531 0	241
021040-1110	3 3594 1	331	028099-2791	4 3523 0	240	028099-8701	4 3531 0	241
021040-1130	3 5377 1	333	028099-2820	4 3531 0	241	028099-8960	4 3530 0	241
021040-1170	3 5377 1	333	028099-2921	4 3525 0	240	028099-8961	4 3530 0	241
021040-1180	3 5364 1	332	028099-3000	4 3529 0	241	028099-9130	4 3477 0	238
021040-1190	3 3594 1	331	028099-3001	4 3529 0	241	028099-9131	4 3477 0	238
021040-1241	3 3595 1	331	028099-3010	4 3525 0	240	028403-0081	4 4457 0	190
021040-1320	3 5377 1	333	028099-3020	4 3525 0	240	028403-0082	4 4457 0	190
021040-1410	3 5436 1	322	028099-3030	4 3531 0	241	028510-0441	0 1984 1	23
021040-1410	3 5433 1	340	028099-3031	4 3531 0	241	028510-0460	0 1991 1	24
021040-1441	3 5377 1	333	028099-3040	4 3529 0	241	028510-0500	7 7172 1	110
021040-1450	3 3594 1	331	028099-3041	4 3529 0	241	028510-0560	7 7170 1	110
021040-1570	3 5355 1	314	028099-3160	4 3524 0	240	028510-0580	0 1984 1	23
021040-1900	3 5447 1	335	028099-3390	4 3525 0	240	028510-0590	0 1984 1	23
021040-1980	3 5460 1	335	028099-3399	4 3525 0	240	028510-0640	7 7171 1	110
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02131-9130	3 5472 1	326	028099-3550	0 1977 1	22	028510-0750	0 1986 1	23
02131-9130	3 5423 1	339	028099-3780	4 3523 0	240	028510-0750	7 7214 1	110
02131-9131	3 5423 1	339	028099-3781	4 3523 0	240	028510-0760	0 1963 1	22
02131-9131	3 5472 1	326	028099-3860	4 3531 0	241	028510-0830	0 1984 1	23
02131-9132	3 5472 1	326	028099-3950	0 1991 1	24	028510-0840	7 7171 1	110
02131-9132	3 5423 1	339	028099-3980	0 1963 1	22	028510-0880	7 7179 1	110
021551-1480	1 3678 0	365-366	028099-5450	0 1938 1	21	028510-5190	7 7181 1	110
021660-0130	0 1900 1	256	028099-6180	0 1962 1	22	028510-5190	7 7381 1	111
021660-0311	0 1913 1	257	028099-6420	4 3526 0	240	028510-5320	7 7214 1	110
021660-03220	0 1899 1	256	028099-6430	4 3526 0	240	028510-5320	0 1984 1	23
021660-0330	0 1917 1	256	028099-6431	4 3526 0	240	028510-5350	0 1984 1	23
021660-0370	0 1919 1	257	028099-6432	4 3526 0	240	028510-5390	7 7172 1	110
021660-0390	0 1915 1	257	028099-6433	4 3526 0	240	028510-5420	0 1984 1	23
021660-040	0 1907 1	256	028099-6600	4 3534 0	242	028510-5500	7 7171 1	110
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021660-050	0 1907 1	256	028099-6890	4 3526 0	240	028510-6421	7 7377 1	111
021660-0510	0 1915 1	257	028099-7100	4 3523 0	240	028510-6440	7 7377 1	111
021660-0530	0 1913 1	257	028099-7120	4 3523 0	240	028510-6490	7 7377 1	111
021660-060	0 1907 1	256	028099-7140	4 3523 0	240	028520-1090	0 1955 1	21
021660-080	0 1907 1	256	028099-7202	4 3528 0	241	028530-0480	0 1935 1	21
021660-100	0 1907 1	256	028099-7210	4 3478 0	238-239	028530-0932	0 1943 1	71
021660-170	0 1907 1	256	028099-7212	4 3478 0	238-239	028530-1020	0 1943 1	71

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028530-1030	0 1943 1	71	121041-1190	3 5485 1	328	949100-5280	8 8214 0	360
028530-1100	0 1955 1	21	121041-1241	3 3595 1	331	949100-5360	8 8545 0	353
028531-0110	0 1940 1	21	121041-1440	3 3573 1	303	949100-5750	8 8141 0	353
028531-0300	0 1945 1	21	121041-1450	3 3594 1	331	949100-5820	5 8263 7	361
028531-0350	0 1965 1	22	128099-3170	4 3532 0	241	949100-6070	5 8263 7	361
028531-0380	0 1966 1	22	128099-5240	4 3527 0	240-241	949100-6080	5 8263 7	361
028531-0450	0 1984 1	23	128099-5241	4 3527 0	240-241	949100-6750	8 8539 0	353
028531-0480	0 1966 1	22	53660-0402	4 3480 0	239	949103-0390	4 4461 0	190
028531-0490	0 1966 1	22	71011-0750	3 3564 1	301	949103-0540	4 4475 0	190
028531-0632	0 1988 1	24	72011-0740	3 3556 1	300	949103-1320	4 4475 0	190
028531-0680	0 1985 1	23	72011-0750	3 3564 1	301	949103-2020	4 4475 0	190
028531-0720	0 1991 1	24	949100-1360	5 8263 7	361	949103-3160	4 4462 0	190
028531-0730	0 1991 1	24	949100-1650	8 8214 0	360	949103-3840	4 4469 0	190
028531-0840	0 1977 1	22	949100-1760	8 8214 0	360	949105-0110	8 8315 0	353
028531-0946	0 1984 1	23	949100-2500	5 8263 7	361			
028531-5050	0 1939 1	22	949100-2590	8 8214 0	360			
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053660-0402	4 3480 0	239	949100-2760	8 8210 0	360			
053660-0441	4 3481 0	239	949100-2790	8 8545 0	353			
053660-0442	4 3481 0	239	949100-3170	8 8546 0	353			
053660-0443	4 3481 0	239	949100-3190	8 8538 0	353			
053660-0660	4 3481 0	239	949100-3230	8 8546 0	353			
053660-7100	4 3480 0	239	949100-3270	8 8265 0	353			
053660-7111	4 3481 0	239	949100-3290	8 8538 0	353			
053660-7120	4 3482 0	239	949100-3330	8 8539 0	353			
053660-7121	4 3482 0	239	949100-3360	8 8540 0	353			
053660-7170	4 3481 0	239	949100-3361	8 8540 0	353			
053660-7221	4 3482 0	239	949100-3380	8 8540 0	353			
053660-7240	4 3483 0	239	949100-3450	8 8540 0	353			
053660-7241	4 3483 0	239	949100-3461	8 8540 0	353			
053660-7250	4 3480 0	239	949100-3462	8 8540 0	353			
053660-7260	4 3480 0	239	949100-3480	8 8541 0	353			
053660-7710	4 3480 0	239	949100-3481	8 8541 0	353			
053680-7120	4 3482 0	239	949100-3650	8 8546 0	353			
081020-0010	3 5356 1	314	949100-3660	8 8546 0	353			
081020-0011	3 5356 1	314	949100-3820	8 8141 0	353			
101211-4720	3 5394 1	318-319	949100-3821	8 8141 0	353			
102211-2780	3 5433 1	340	949100-3980	8 8545 0	353			
102211-5600	3 5434 1	340	949100-4110	8 8214 0	360			
102211-5660	3 5395 1	319	949100-4120	5 8263 7	361			
104210-3511	3 5396 1	319	949100-4130	8 8144 0	360			
104210-3512	3 5396 1	319	949100-4230	8 8214 0	360			
104210-3521	3 5396 1	319	949100-4370	8 8539 0	353			
104210-3522	3 5396 1	319	949100-4440	8 8545 0	353			
104210-4880	3 5378 1	333	949100-4620	8 8540 0	353			
104210-9011	3 5394 1	318-319	949100-4840	8 8670 0	353			
121041-0580	3 3596 1	331	949100-5010	8 8539 0	353			
121041-1140	3 5357 1	314	949100-5230	5 8263 7	361			

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EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE
BSX 12	0 1100 1	3	BSX 184-185	0 1088 1	11	FX 75	0 1524 1	32
BSX 33	0 1102 1	3	BSX 186	0 1179 1	11	FX 76-77	0 1523 1	33
BSX 34	0 1103 1	3	BSX 186-187	0 1180 1	12	HPIX 1 mot. directio	0 1800 1	70
BSX 35	0 1104 1	3	BSX 190-191	0 1183 1	12	HX 3	0 1795 1	67
BSX 36	0 1099 1	3	BSX 192-193	0 1184 1	12	HX 6 (2)	0 1785 1	67
BSX 39	0 1105 1	3	BSX 194-195	0 1186 1	12	HX 16	0 1794 1	67
BSX 43 (4)	0 1106 1	4	BSX 196	0 1187 1	12	HX 26	0 1796 1	67
BSX 44 (4)	0 1107 1	4	BSX 197	0 1170 1	13	HX 54	0 1793 1	67
BSX 53	0 1112 1	4	BSX 200-201	0 1188 1	13	HX 56 (2)	0 1786 1	67
BSX 59 (2)	0 1112 1	4	BSX 202-203	0 1178 1	13	HX 106	0 1798 1	68
BSX 62	0 1118 1	4	BSX 204-205	0 1197 1	13	HX 109	0 1797 1	68
BSX 67	0 1119 1	4	BSX 210-211	0 1091 1	14	HX 116	0 1790 1	68
BSX 70	0 1121 1	4	BSX 212-213	0 1092 1	14	HX 124	0 1791 1	68
BSX 74	0 1123 1	5	BSX 214-215	0 1093 1	14	HX 155	0 1788 1	68
BSX 75	0 1124 1	5	BSX 216-217	0 1094 1	14	HX 161	0 1799 1	68
BSX 76	0 1125 1	5	BSX 218-219	0 1095 1	15	HX 172	0 1789 1	69
BSX 93	0 1130 1	5	BSX 220-221	0 1096 1	15	HX 341	0 1792 1	69
BSX 96	0 1132 1	6	BSX 222-223	0 1220 1	15	HX 346	0 1787 1	69
BSX 100	0 1136 1	6	BX 68 (4)	0 1034 1	249	IKSX 2-3	0 1532 1	39
BSX 102	0 1138 1	6	BX 104 (2)	0 1035 1	249	IKSX 5-6	0 1534 1	39
BSX 104 (2)	0 1140 1	6	BX 140 (4)	0 1043 1	249	IKSX 7	0 1535 1	39
BSX 134-144	0 1147 1	6	BX 151	0 1044 1	249	IKSX 10-11	0 1537 1	39
BSX 135-145	0 1148 1	6	BX 165	0 1075 1	249	IKSX 12	0 1538 1	39
BSX 137-143	0 1149 1	7	BX 169	0 1048 1	250	JA-AX 5-8	0 1907 1	256
BSX 138-142	0 1150 1	7	BX 182	0 1051 1	250	JA-AX 9	0 1900 1	256
BSX 139	0 1151 1	7	BX 185	0 1052 1	250	JA-AX 10	0 1899 1	256
BSX 140	0 1152 1	7	BX 188	0 1079 1	251	JA-AX 12	0 1901 1	261
BSX 146	0 1154 1	7	BX 190	0 1080 1	251	JA-AX 15	0 1904 1	267
BSX 147	0 1155 1	7	BX 192 (4)	0 1069 1	251	JA-AX 16	0 1902 1	267
BSX 148	0 1156 1	8	BX 198	0 1084 1	251	JA-AX 18	0 1911 1	267
BSX 149	0 1157 1	8	BX 199	0 1081 1	251	JA-AX 19	0 1906 1	261
BSX 151	0 1158 1	8	BX 202	0 1061 1	252	JA-AX 20	0 1905 1	261
BSX 151/0	0 1159 1	8	BX 203	0 1086 1	252	JA-AX 24	0 1910 1	267
BSX 152	0 1162 1	8	BX 204	0 1062 1	252	JA-AX 25	0 1911 1	267
BSX 155	0 1164 1	8	BX 208	0 1063 1	253	JA-AX 28	0 1917 1	256
BSX 157-158	0 1165 1	9	BX 209	0 1066 1	253	JA-AX 29	0 1905 1	261
BSX 157-158 K Mercedes	0 1167 1	9	BX 213	0 1065 1	253	JA-AX 31	0 1909 1	268
BSX 159-160	0 1166 1	9	BX 214	0 1067 1	254	JA-AX 32	0 1912 1	262
BSX 163-164	0 1168 1	9	BX 215	0 1068 1	254	JA-AX 33	0 1913 1	257
BSX 165	0 1169 1	10	BX 216	0 1064 1	254	JA-AX 34	0 1914 1	268
BSX 166	0 1173 1	10	BX 219	0 1082 1	254	JA-AX 35	0 1915 1	257
BSX 170-171	0 1171 1	10	BX 220	0 1083 1	255	JA-AX 36	0 1916 1	268
BSX 172-173	0 1172 1	10	FX 67	0 1526 1	260	JA-AX 36 ST	0 1903 1	268
BSX 172-173-174	0 1194 1	10	FX 70-71	0 1527 1	32	JA-AX 37	0 1918 1	262
BSX 174-175	0 1175 1	11	FX 70-72	0 1528 1	32	JA-AX 38	0 1919 1	257
BSX 177	0 1174 1	11	FX 73	0 1529 1	32	JA-AX 39	0 1920 1	263
BSX 178-179	0 1176 1	11	FX 74	0 1530 1	32	JA-SX 1	0 1943 1	71
			FX 74-78	0 1522 1	32	JA-SX 2	0 1946 1	71

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EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE
JA-SX 10-11	0 1955 1	21	JA-SX 88	0 1988 1	24	JX 30-31	0 1415 1	258
JA-SX 14 (4)	0 1940 1	21	JA-SX 89	0 1991 1	24	JX 32	0 1417 1	258
JA-SX 15-6 (4)	0 1942 1	34	JA-SX 90	0 1989 1	48	JX 42	0 1433 1	258
JA-SX 22 (4)	0 1945 1	21	JA-SX 91	0 1990 1	48	JX 43	0 1434 1	259
JA-SX 24-25	0 1979 1	50	JA-SX 92-93 12V	0 1992 1	37	JX 44	0 1435 1	259
JA-SX 26-27	0 1978 1	34	JA-SX 94-95 24V	0 1993 1	38	LASX 15-16	0 1608 1	40
JA-SX 29	0 1949 1	45	JA-SX 96-97 24V	0 1995 1	48	LASX 15-27	0 1609 1	40
JA-SX 31	0 1952 1	34	JA-SX 98-99 12V	0 1994 1	48	LASX 30-31-32	0 1613 1	40
JA-SX 32-33	0 1951 1	34	JSX 5	0 1451 1	25	LASX 31	0 1614 1	40
JA-SX 34-30	0 1934 1	34	JSX 9	0 1454 1	25	LASX 36	0 1615 1	40
JA-SX 35	0 1935 1	21	JSX 11	0 1453 1	25	LASX 40-41	0 1617 1	40
JA-SX 36-37	0 1937 1	34	JSX 12	0 1456 1	25	LASX 42	0 1618 1	41
JA-SX 38	0 1936 1	45	JSX 13 (4)	0 1457 1	25	LASX 43-44 w. termina	0 1628 1	41
JA-SX 39	0 1938 1	21	JSX 14	0 1455 1	25	LASX 73-41	0 1621 1	41
JA-SX 39 C	0 1939 1	22	JSX 15	0 1458 1	26	LAX 9	0 1550 1	264
JA-SX 40-41	0 1953 1	45	JSX 16	0 1459 1	26	LAX 23	0 1553 1	264
JA-SX 42-43	0 1954 1	45	JSX 17	0 1460 1	26	LAX 29	0 1558 1	264
JA-SX 44-28	0 1941 1	45	JSX 18	0 1461 1	26	LAX 31	0 1560 1	264
JA-SX 45-46	0 1956 1	46	JSX 19	0 1462 1	26	LAX 31-32	0 1561 1	264
JA-SX 47-48	0 1957 1	46	JSX 21-22	0 1464 1	26	LAX 80-81	0 1569 1	265
JA-SX 49-61	0 1948 1	35	JSX 23-24-28	0 1466 1	27	LAX 86	0 1573 1	265
JA-SX 50-51	0 1961 1	35	JSX 25-22	0 1467 1	27	MASX 3	0 1662 1	43
JA-SX 52	0 1962 1	22	JSX 26-27	0 1468 1	27	MASX 13-14	0 1663 1	43
JA-SX 53	0 1963 1	22	JSX 29-30	0 1469 1	27	MASX 15-16	0 1664 1	43
JA-SX 54-55	0 1964 1	35	JSX 31-32	0 1470 1	27	MASX 17-18	0 1665 1	43
JA-SX 56-3	0 1959 1	35	JSX 33-34	0 1471 1	27	MASX 19-20	0 1666 1	43
JA-SX 56-3/0	0 1958 1	36	JSX 35-36	0 1472 1	28	MASX 21-22	0 1668 1	43
JA-SX 57-58	0 1960 1	36	JSX 35-37	0 1473 1	28	MASX 23-24	0 1669 1	44
JA-SX 59-60	0 1950 1	36	JSX 38-39-40 (3)	0 1474 1	28	MASX 25-26	0 1670 1	44
JA-SX 62	0 1965 1	22	JSX 38-40-58 (4)	0 1482 1	28	MASX 27-28	0 1671 1	44
JA-SX 63	0 1966 1	22	JSX 38-41	0 1475 1	28	PLSX 3	0 1690 1	51
JA-SX 64-65-67	0 1968 1	36	JSX 38-42	0 1476 1	28	PLSX 4	0 1691 1	51
JA-SX 66-67	0 1969 1	36	JSX 40-46-47 (4)	0 1477 1	29	PLSX 5	0 1689 1	51
JA-SX 68-73	0 1976 1	46	JSX 43-45-44 (4)	0 1478 1	29	PLX 10	0 1692 1	269
JA-SX 69-70 (3)	0 1970 1	46	JSX 43-45-57 (3)	0 1483 1	29	PLX 11	0 1693 1	269
JA-SX 69-70 (4)	0 1971 1	47	JSX 48-49-50 (3)	0 1479 1	29	PLX 5	0 1688 1	269
JA-SX 70	0 1967 1	47	JSX 50-55-56 (3)	0 1484 1	29	PSX 55-76	0 1738 1	58
JA-SX 71	0 1973 1	47	JSX 51-52 (2)	0 1480 1	29	PSX 64-70 (2)	0 1741 1	58
JA-SX 71-72	0 1972 1	47	JSX 51-52-59 (3)	0 1485 1	30	PSX 81-82	0 1746 1	58
JA-SX 74	0 1975 1	37	JSX 51-52-63 (4)	0 1486 1	30	PSX 83-84	0 1750 1	58
JA-SX 74-75	0 1974 1	37	JSX 53-54	0 1481 1	30	PSX 88	0 1756 1	58
JA-SX 77-78	0 1977 1	22	JSX 61-62-63 (4)	0 1487 1	30	PSX 112	0 1755 1	59
JA-SX 80-81	0 1982 1	37	JSX 70-71	0 1490 1	31	PSX 115-116	0 1757 1	59
JA-SX 82-83 (3)	0 1981 1	47	JSX 72-73 Denso P76	0 1491 1	31	PSX 115-116-121	0 1759 1	59
JA-SX 82-83 (4)	0 1983 1	48	JSX 74-75-76-77 P70	0 1492 1	31	PSX 119-120	0 1760 1	59
JA-SX 84	0 1984 1	23	JX 22	0 1410 1	258	PSX 129	0 1766 1	59
JA-SX 85	0 1985 1	23	JX 26	0 1413 1	258	PSX 131	0 1770 1	60
JA-SX 86-87	0 1986 1	23						

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EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE	FCC	IKA	PAGE
PSX 132	0 1769 1	60	RX 120 (4)	0 1251 1	53	FBH 3	4 4466 0	194
PSX 133	0 1770 1	60	RX 120 (4) S	0 1299 1	53	FBH 4	4 4459 0	194
PSX 133 K	0 1763 1	60	RX 120/0 (2)	0 1294 1	53	FBH 5	4 4466 0	194
PSX 136-137	0 1771 1	60	RX 120/0 (3)	0 1292 1	54	FBH 6	4 4354 0	192
PSX 138-139 (2)	0 1775 1	60	RX 120/0 (4)	0 1295 1	54	FBH 7	4 4463 0	194
PSX 140-141 (4)	0 1776 1	60	RX 122	0 1280 1	54	FBH 31	4 4455 0	194
PSX 142-143	0 1779 1	61	RX 122H	0 1256 1	54	FBH 32	4 4454 0	194
PSX 142-144	0 1752 1	61	RX 124	0 1281 1	54	FBH 38	4 4353 0	199
PSX 142-145	0 1754 1	61	RX 124H	0 1257 1	54	FBM 10	4 4464 0	196
PSX 146-147 w/o. sprin	0 1783 1	61	RX 132-133	0 1290 1	271	FBM 16	4 4456 0	196
PSX 148-149 w/o. sprin	0 1773 1	61	RX 134	0 1282 1	55	FBM 18	4 4460 0	196
PSX 148-149/0	0 1774 1	62	RX 134H	0 1259 1	55	FBM 36	4 4458 0	196
PSX 148-157 w/o. sprin	0 1777 1	62	RX 135	0 1283 1	55	FBM 37	4 4470 0	196
PSX 148-158 w/o. sprin	0 1768 1	62	RX 135H	0 1260 1	55	FBM 38	4 4465 0	196
PSX 148-159 w/o. sprin	0 1778 1	63	RX 140-141	0 1263 1	271	FBM 39	4 4464 0	196
PSX 152-153	0 1780 1	63	RX 142-143	0 1261 1	271	FBM 45	4 4484 0	196
PSX 155 (3)	0 1727 1	63	RX 419-420	0 1254 1	56	FBN 1	4 4475 0	190
PSX 155 (4)	0 1728 1	63	SVX 7	0 1781 1	273	FBN 10	4 4475 0	190
PSX 156 (4)	0 1726 1	63	SVX 9	0 1781 1	273	FBN 14	4 4457 0	190
PSX 160-164 D7G c/w	0 1735 1	64				FBN 17	4 4461 0	190
PSX 161	0 1737 1	64				FBN 33	4 4462 0	190
PSX 166-167	0 1743 1	64				FBN 34	4 4475 0	190
PSX 168-167	0 1744 1	64				FBN 38	4 4469 0	190
PSX 169-170	0 1745 1	64				JHTSX 7 M	0 1942 1	34
PSX 89-90	0 1747 1	59				JHTSX 8 M	0 1942 1	34
PX 50	0 1710 1	272				JHTSX 9 M	0 1959 1	35
PX 52-54	0 1712 1	272				JHTSX 11	0 1959 1	35
PX 56	0 1715 1	272				JHTSX 12 M	0 1952 1	34
PX 58	0 1717 1	272				JHTSX 17	0 1960 1	36
PX 60	0 1719 1	272				JHTSX 25	0 1992 1	37
PX 61	0 1720 1	273				JHTSX 28	0 1969 1	36
RX 60	0 1284 1	52				JHTSX 28 N	0 1968 1	36
RX 70 (4)	0 1285 1	52				JHTSX 29	0 1993 1	38
RX 87	0 1287 1	52				JHTSX 30	0 1978 1	34
RX 92	0 1296 1	52				JHTSX 31	0 1982 1	37
RX 95	0 1288 1	52				JHTSX 32	0 1992 1	37
RX 96 (R 120)	0 1286 1	52				JHTSX 33	0 1958 1	36
RX 103	0 1266 1	270				JHTSX 34	0 1993 1	38
RX 103 E	0 1268 1	270				JHTSX 36	0 1937 1	34
RX 103 F	0 1267 1	270				JHTSX 37	0 1974 1	37
RX 106	0 1269 1	270				JHTSX 38	0 1960 1	36
RX 117	0 1270 1	270				JHTSX 39	0 1937 1	34
RX 120 (2)	0 1250 1	53				JHTSX 40	0 1975 1	37
RX 120 (2) S	0 1298 1	53				JHTSX 43	0 1934 1	34
RX 120 (3)	0 1291 1	53				JHTSX 44	0 1974 1	37
						JHTSX 47	0 1948 1	35
						JHTX 5	0 1906 1	261
						JHTX 6	0 1901 1	261

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FCC	IKA	PAGE	FCC	IKA	PAGE	FORD-VISTEON	IKA	PAGE
JHTX 7	0 1906 1	261	JNDSX 25	0 1966 1	22	10474532	8 8433 0	358
JHTX 10	0 1906 1	261	JNDSX 28	0 1935 1	21	106688	4 5027 1	144
JHTX 11	0 1906 1	261	JNDSX 31	0 1988 1	24	10670-F7RU	4 5027 1	144
JHTX 18	0 1905 1	261	JNDSX 31 M	0 1988 1	24	1079392	3 5402 1	333
JHTX 18 M	0 1905 1	261	JNDSX 32	0 1984 1	23	1334133	3 5402 1	333
JHTX 19	0 1906 1	261	JNDSX 33	0 1991 1	24	1488368	3 5402 1	333
JHTX 20	0 1912 1	262	JNDSX 34	0 1985 1	23	1587259	8 8983 0	206
JHTX 23	0 1912 1	262	JNDSX 35	0 1977 1	22	1587265	8 8693 0	206
JHTX 27	0 1918 1	262	JNDSX 36	0 1986 1	23	1C3U-11424-AA	7 7213 1	113
JHTX 29	0 1920 1	263	JNDSX 37	0 1963 1	22	1C3U-11434-AA	7 7213 1	113
JMTSX 9	0 1949 1	45	JNDSX 39	0 1938 1	21	1S4Q-10344-AB	3 3593 1	330
JMTSX 11	0 1980 1	45	JNDSX 39 T	0 1939 1	22	1S7U-10A352-DB	3 3590 1	306
JMTSX 24	0 1949 1	45	JNDSX 41	0 1962 1	22	31285489	3 5430 1	321-322
JMTSX 27	0 1967 1	47	JNDSX 42	0 1955 1	21	3M5T-10300-PB	3 5396 1	319
JMTSX 30	0 1957 1	46	JNDX 8	0 1907 1	256	3M5T-10300-PC	3 5396 1	319
JMTSX 31	0 1957 1	46	JNDX 9	0 1907 1	256	5M5Q-10344-AA	3 3593 1	330
JMTSX 36	0 1971 1	47	JNDX 11	0 1900 1	256	5M5Q10344-AA	3 5317 1	308
JMTSX 36 N	0 1970 1	46	JNDX 11 M	0 1900 1	256	5M5Q-10344-AB	3 5317 1	308
JMTSX 37	0 1957 1	46	JNDX 25	0 1907 1	256	5M5Q-10D310-AA	3 3593 1	330
JMTSX 48	0 1936 1	45	JNDX 27	0 1907 1	256	5M5Q-10D310-AB,	3 3593 1	330
JMTSX 49	0 1983 1	48	JNDX 28	0 1907 1	256	6158987	8 4079 0	203
JMTSX 49 N	0 1981 1	47	JNDX 29	0 1899 1	256	6G9N-10D311-AA	3 5372 1	332
JMTSX 54	0 1971 1	47	JNDX 30	0 1917 1	256	6G9N-10D321-AA	3 5428 1	334
JMTSX 55	0 1994 1	48	JNDX 32	0 1913 1	257	6G9N-6A312-AE	3 5371 1	332
JMTSX 56	0 1972 1	47	JNDX 33	0 1919 1	257	6G9N-6A312-AF	3 5371 1	332
JMTSX 57	0 1995 1	48	JNDX 34	0 1915 1	257	6M21-10344-AA	3 3517 1	295
JMTSX 58	0 1957 1	46	JNDX 34 M	0 1915 1	257	78HB-11448-AA	8 8693 0	206
JMTSX 59	0 1989 1	48	JNDX 37	0 1915 1	257	78HB-1148-BA	8 8983 0	206
JMTSX 65	0 1973 1	47	JNDX 38	0 1913 1	257	95VW-10344-CA	3 3517 1	295
JMTSX 66	0 1973 1	47	JNKSX 20	0 1254 1	56	95VW-10344-FA	3 3517 1	295
JMTX 13	0 1904 1	267	JNKSX 28	0 1997 1	23	98FF-10C382-BC	3 5402 1	333
JMTX 14	0 1902 1	267	JNKX 6	0 1906 1	261	98FF-10C382-BF	3 5402 1	333
JMTX 19	0 1911 1	267				98FF-10C382-BG	3 5402 1	333
JMTX 20	0 1911 1	267				98FF-10C382-BH	3 5402 1	333
JMTX 22	0 1910 1	267				9M5Q-10A352-AA	3 5447 1	335
JMTX 23	0 1911 1	267				AM5Q-10A352-AA	3 5442 1	334
JMTX 25	0 1911 1	267				AU2-11395-A	8 4097 0	204
JMTX 32	0 1910 1	267				AV6Q-10A352-AA	3 5446 1	335
JMTX 33	0 1909 1	268				AV6Q-10A352-BA	3 5445 1	335
JMTX 34	0 1909 1	268				BA 116 Z	8 8681 0	206
JMTX 35	0 1914 1	268				BE9H-11052-B	8 8665 0	205
JMTX 38	0 1916 1	268				BF6T-11135-B	8 4079 0	203
JMTX 39	0 1909 1	268				C3SF-10A304-A	8 8200 0	205
JMTX 41	0 1916 1	268				C4SF-10A304-A	8 8200 0	205
JMTX 42	0 1914 1	268				C5AF-10A304-A	8 8200 0	205
JNDSX 8	0 1935 1	21				C5AZ-10A304-A	8 8200 0	205
JNDSX 12	0 1940 1	21				C6VY-11135-A	8 4079 0	203
JNDSX 20	0 1965 1	22				D2OF-10A304-A2A	8 8200 0	205

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FORD-VISTEON	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
D2OZ-10A304-A	8 8200 0	205	F-141	0 1977 1	22	FE-321	0 1915 1	257
E5PF-11061-A	7 7525 1	123	F-147	0 1952 1	34	FF-110	0 1960 1	36
E5PF-11434-AA	7 7525 1	123	FA-101	0 1969 1	36	FF-111	0 1960 1	36
E7GZ-11061-A	7 7183 1	120	FA-102	0 1969 1	36	FF-115	0 1940 1	21
E90F-11448-BA	8 2256 0	203	FD-111	0 1940 1	21	FF-116	0 1940 1	21
E90Z-11061-A	7 7211 1	113	FD-133	0 1945 1	21	FF-117	0 1969 1	36
E90Z-11061-B	7 7211 1	113	FD-138	0 1965 1	22	FF-118	0 1969 1	36
E90Z-11061-C	7 7211 1	113	FD-139	0 1965 1	22	FF-119	0 1968 1	36
E90Z-11135-A	4 4056 0	188	FD-140	0 1966 1	22	FF-120	0 1969 1	36
E90Z-11A165-A	4 2229 0	179	FD-151	0 1962 1	22	FF-121	0 1969 1	36
F1DU-10260-AA	7 7166 1	278	FD-154	0 1984 1	23	FF-122	0 1969 1	36
F1DZ-10347-A	7 7166 1	278	FD-155	0 1984 1	23	FF-124	0 1939 1	22
F3RZ-11061-A	7 7212 1	113	FD-156	0 1988 1	24	FF-125	0 1984 1	23
F4BZ-11061-A	7 7183 1	120	FD-157	0 1966 1	22	FF-128	0 1985 1	23
F7RU-11165-CA	4 2229 0	179	FD-158	0 1985 1	23	FF-132	0 1984 1	23
F7RU-11434-BA	7 7261 1	113	FD-159	0 1985 1	23	FF-133	0 1963 1	22
F7RU-11448-EA	8 8981 0	206	FD-160	0 1985 1	23	FF-134	0 1985 1	23
F8RU-11448-AA	8 2256 0	203	FD-161	0 1977 1	22	FF-135	0 1984 1	23
SCE 98	8 4208 0	204	FD-162	0 1963 1	22	FF-137	0 1968 1	36
SCE 116	8 8681 0	206	FD-163	0 1984 1	23	FF-138	0 1961 1	35
TN49-11339	8 8664 0	205	FD-165	0 1984 1	23	FF-139	0 1961 1	35
TN49-11339-A	8 8665 0	205	FD-166	0 1977 1	22	FF-140	0 1961 1	35
VP2M5U-10A352-AA	3 5354 1	314	FD-167	0 1939 1	22	FF-141	0 1961 1	35
VP2PSU-10A352-BA	3 5331 1	310	FD-168	0 1977 1	22	FF-144	0 1961 1	35
VP2PSU-10A352-CA	3 5331 1	310	FD-169	0 1984 1	23	FF-145	0 1961 1	35
VP5L8U-10A352-AA	3 5469 1	326	FD-170	0 1962 1	22	FF-146	0 1984 1	23
VP6S4U-10A352-AA	3 5354 1	314	FD-171	0 1962 1	22	FF-150	0 1969 1	36
YC1T-10A352-AC	3 3562 1	330	FD-311	0 1900 1	256	FF-151	0 1969 1	36
YC1U-1033-EA	3 3588 1	330	FD-312	0 1900 1	256	FF-152	0 1968 1	36
YC1U-10352-BB	3 3588 1	330	FD-313	0 1917 1	256	FF-155	0 1984 1	23
YC1U-10A352-BA	3 3562 1	330	FD-315	0 1913 1	257	FF-156	0 1984 1	23
YP2C-10A352-AA	3 3588 1	330	FD-316	0 1915 1	257	FF-157	0 1984 1	23
YP2C1U-10352-AA	3 3588 1	330	FD-317	0 1913 1	257	FF-158	0 1939 1	22
			FD-318	0 1915 1	257	FF-303	0 1905 1	261
			FD-319	0 1915 1	257	FF-304	0 1905 1	261
			FE-123	0 1984 1	23	FF-308	0 1900 1	256
			FE-124	0 1984 1	23	FF-310	0 1912 1	262
			FE-143	0 1988 1	24	FF-313	0 1905 1	261
			FE-167	0 1977 1	22	FF-314	0 1905 1	261
			FE-303	0 1906 1	261	FF-315	0 1905 1	261
			FE-304	0 1906 1	261	FF-316	0 1905 1	261
			FE-306	0 1906 1	261	FF-319	0 1938 1	21
			FE-310	0 1900 1	256	FF-321	0 1915 1	257
			FE-316	0 1906 1	261	FF-322	0 1914 1	268
			FE-317	0 1906 1	261	FF-323	0 1905 1	261
			FE-318	0 1905 1	261	FF-325	0 1915 1	257
			FE-319	0 1915 1	257	FH-123	0 1988 1	24
			FE-320	0 1915 1	257	FH-125	0 1993 1	38

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FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FH-126	0 1993 1	38	FI-126	0 1952 1	34	FI-339	0 1906 1	261
FH-145	0 1988 1	24	FI-130	0 1992 1	37	FI-340	0 1906 1	261
FH-303	0 1901 1	261	FI-131	0 1992 1	37	FI-347	0 1906 1	261
FH-304	0 1906 1	261	FI-133	0 1960 1	36	FI-353	0 1905 1	261
FH-306	0 1913 1	257	FI-134	0 1960 1	36	FI-354	0 1905 1	261
FH-307	0 1913 1	257	FI-135	0 1959 1	35	FI-355	0 1912 1	262
FH-318	0 1900 1	256	FI-136	0 1959 1	35	FI-356	0 1912 1	262
FH-323	0 1900 1	256	FI-147	0 1952 1	34	FI-357	0 1912 1	262
FH-324	0 1900 1	256	FI-156	0 1963 1	22	FI-358	0 1905 1	261
FI-001	0 1974 1	37	FI-159	0 1993 1	38	FI-359	0 1905 1	261
FI-002	0 1937 1	34	FI-164	0 1952 1	34	FI-360	0 1905 1	261
FI-003	0 1937 1	34	FI-167	0 1968 1	36	FI-361	0 1905 1	261
FI-025	0 1988 1	24	FI-168	0 1969 1	36	FI-364	0 1913 1	257
FI-027	0 1988 1	24	FI-172	0 1992 1	37	FI-368	0 1906 1	261
FI-029	0 1984 1	23	FI-173	0 1992 1	37	FI-371	0 1905 1	261
FI-030	0 1988 1	24	FI-174	0 1993 1	38	FI-372	0 1905 1	261
FI-035	0 1968 1	36	FI-175	0 1993 1	38	FI-373	0 1905 1	261
FI-040	0 1984 1	23	FI-181	0 1993 1	38	FI-374	0 1905 1	261
FI-041	0 1985 1	23	FI-182	0 1993 1	38	FI-376	0 1905 1	261
FI-046	0 1937 1	34	FI-185	0 1993 1	38	FI-378	0 1905 1	261
FI-047	0 1968 1	36	FI-186	0 1993 1	38	FI-381	0 1912 1	262
FI-051	0 1992 1	37	FI-189	0 1969 1	36	FI-384	0 1906 1	261
FI-052	0 1992 1	37	FI-191	0 1977 1	22	FI-391	0 1912 1	262
FI-053	0 1975 1	37	FI-192	0 1969 1	36	FI-393	0 1915 1	257
FI-054	0 1974 1	37	FI-193	0 1969 1	36	FI-398	0 1905 1	261
FI-055	0 1974 1	37	FI-194	0 1982 1	37	FI-403	0 1913 1	257
FI-056	0 1974 1	37	FI-195	0 1982 1	37	FI-404	0 1915 1	257
FI-061	0 1977 1	22	FI-196	0 1937 1	34	FI-405	0 1920 1	263
FI-062	0 1955 1	21	FI-197	0 1937 1	34	FI-406	0 1905 1	261
FI-063	0 1955 1	21	FI-198	0 1934 1	34	FI-407	0 1912 1	262
FI-064	0 1963 1	22	FI-199	0 1934 1	34	FJ-002	0 1973 1	47
FI-065	0 1939 1	22	FI-200	0 1974 1	37	FJ-005	0 1973 1	47
FI-066	0 1997 1	23	FI-304	0 1906 1	261	FJ-007	0 1985 1	23
FI-067	0 1997 1	23	FI-306	0 1907 1	256	FJ-012	0 1972 1	47
FI-068	0 1997 1	23	FI-307	0 1907 1	256	FJ-016	0 1988 1	24
FI-069	0 1997 1	23	FI-315	0 1901 1	261	FJ-025	0 1995 1	48
FI-080	0 1984 1	23	FI-317	0 1906 1	261	FJ-026	0 1994 1	48
FI-081	0 1984 1	23	FI-318	0 1907 1	256	FJ-029	0 1939 1	22
FI-085	0 1984 1	23	FI-319	0 1907 1	256	FJ-030	0 1994 1	48
FI-086	0 1962 1	22	FI-320	0 1906 1	261	FJ-125	0 1935 1	21
FI-109	0 1942 1	34	FI-321	0 1906 1	261	FJ-126	0 1967 1	47
FI-110	0 1942 1	34	FI-322	0 1906 1	261	FJ-138	0 1940 1	21
FI-116	0 1951 1	34	FI-323	0 1905 1	261	FJ-149	0 1957 1	46
FI-117	0 1951 1	34	FI-324	0 1905 1	261	FJ-150	0 1971 1	47
FI-118	0 1959 1	35	FI-327	0 1900 1	256	FJ-151	0 1971 1	47
FI-119	0 1959 1	35	FI-329	0 1906 1	261	FJ-165	0 1957 1	46
FI-120	0 1952 1	34	FI-330	0 1906 1	261	FJ-166	0 1957 1	46
FI-125	0 1940 1	21	FI-331	0 1900 1	256	FJ-177	0 1936 1	45

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FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FJ-178	0 1971 1	47	FK-130	0 1963 1	22	FM-313	0 1900 1	256
FJ-179	0 1957 1	46	FK-131	0 1939 1	22	FM-314	0 1910 1	267
FJ-181	0 1935 1	21	FK-132	0 1968 1	36	FM-315	0 1910 1	267
FJ-183	0 1983 1	48	FK-139	0 1984 1	23	FM-316	0 1952 1	34
FJ-184	0 1983 1	48	FK-140	0 1984 1	23	FM-317	0 1900 1	256
FJ-185	0 1936 1	45	FK-301	0 1906 1	261	FM-318	0 1913 1	257
FJ-188	0 1989 1	48	FK-302	0 1906 1	261	FM-319	0 1914 1	268
FJ-189	0 1967 1	47	FK-303	0 1900 1	256	FM-320	0 1915 1	257
FJ-190	0 1994 1	48	FK-312	0 1899 1	256	FM-321	0 1912 1	262
FJ-191	0 1967 1	47	FK-315	0 1915 1	257	FM-322	0 1912 1	262
FJ-192	0 1995 1	48	FK-316	0 1915 1	257	FM-323	0 1912 1	262
FJ-193	0 1940 1	21	FM-101	0 1940 1	21	FM-324	0 1916 1	268
FJ-194	0 1967 1	47	FM-109	0 1949 1	45	FM-325	0 1914 1	268
FJ-195	0 1988 1	24	FM-121	0 1967 1	47	FM-326	0 1914 1	268
FJ-200	0 1967 1	47	FM-123	0 1957 1	46	FM-327	0 1916 1	268
FJ-307	0 1902 1	267	FM-135	0 1971 1	47	FN-001	0 1957 1	46
FJ-309	0 1911 1	267	FM-136	0 1971 1	47	FN-002	0 1957 1	46
FJ-312	0 1911 1	267	FM-145	0 1957 1	46	FN-003	0 1934 1	34
FJ-323	0 1900 1	256	FM-152	0 1983 1	48	FN-004	0 1934 1	34
FJ-324	0 1910 1	267	FM-153	0 1983 1	48	FN-005	0 1968 1	36
FJ-325	0 1911 1	267	FM-154	0 1989 1	48	FN-006	0 1937 1	34
FJ-333	0 1900 1	256	FM-159	0 1966 1	22	FN-007	0 1937 1	34
FJ-334	0 1911 1	267	FM-160	0 1994 1	48	FN-008	0 1961 1	35
FJ-336	0 1910 1	267	FM-161	0 1973 1	47	FN-009	0 1961 1	35
FJ-337	0 1910 1	267	FM-162	0 1973 1	47	FN-015	0 1969 1	36
FJ-342	0 1910 1	267	FM-164	0 1971 1	47	FN-016	0 1969 1	36
FJ-343	0 1909 1	268	FM-166	0 1973 1	47	FN-018	0 1937 1	34
FJ-344	0 1910 1	267	FM-167	0 1977 1	22	FN-023	0 1969 1	36
FJ-345	0 1909 1	268	FM-168	0 1985 1	23	FN-024	0 1969 1	36
FJ-346	0 1913 1	257	FM-169	0 1961 1	35	FN-025	0 1974 1	37
FJ-347	0 1914 1	268	FM-170	0 1961 1	35	FN-027	0 1967 1	47
FJ-350	0 1915 1	257	FM-171	0 1985 1	23	FN-028	0 1967 1	47
FJ-352	0 1916 1	268	FM-175	0 1973 1	47	FN-029	0 1989 1	48
FJ-354	0 1914 1	268	FM-178	0 1972 1	47	FN-030	0 1994 1	48
FJ-358	0 1915 1	257	FM-181	0 1974 1	37	FN-031	0 1995 1	48
FK-107	0 1984 1	23	FM-182	0 1974 1	37	FN-035	0 1960 1	36
FK-108	0 1965 1	22	FM-183	0 1983 1	48	FN-036	0 1960 1	36
FK-109	0 1984 1	23	FM-184	0 1983 1	48	FN-039	0 1983 1	48
FK-113	0 1969 1	36	FM-185	0 1939 1	22	FN-040	0 1983 1	48
FK-114	0 1969 1	36	FM-302	0 1902 1	267	FN-041	0 1974 1	37
FK-115	0 1984 1	23	FM-303	0 1904 1	267	FN-042	0 1974 1	37
FK-118	0 1969 1	36	FM-304	0 1911 1	267	FN-043	0 1961 1	35
FK-119	0 1969 1	36	FM-305	0 1911 1	267	FN-044	0 1961 1	35
FK-124	0 1966 1	22	FM-307	0 1911 1	267	FN-057	0 1948 1	35
FK-125	0 1985 1	23	FM-309	0 1911 1	267	FN-058	0 1948 1	35
FK-127	0 1966 1	22	FM-310	0 1902 1	267	FN-059	0 1961 1	35
FK-128	0 1984 1	23	FM-311	0 1912 1	262	FN-060	0 1961 1	35
FK-129	0 1986 1	23	FM-312	0 1910 1	267	FN-061	0 1969 1	36

# VERGLEICHSLISTE CROSS REFERENCE LIST

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FN-062	0 1969 1	36	FN-306	0 1906 1	261	FN-382	0 1914 1	268
FN-063	0 1995 1	48	FN-307	0 1906 1	261	FN-383	0 1916 1	268
FN-064	0 1995 1	48	FN-309	0 1906 1	261	FN-385	0 1912 1	262
FN-067	0 1971 1	47	FN-310	0 1906 1	261	FN-386	0 1920 1	263
FN-068	0 1971 1	47	FN-312	0 1902 1	267	FN-389	0 1905 1	261
FN-107	0 1942 1	34	FN-313	0 1905 1	261	FN-390	0 1912 1	262
FN-110	0 1942 1	34	FN-314	0 1905 1	261	FN-391	0 1918 1	262
FN-120	0 1952 1	34	FN-315	0 1906 1	261	FN-393	0 1918 1	262
FN-122	0 1951 1	34	FN-316	0 1906 1	261	FN-394	0 1916 1	268
FN-123	0 1951 1	34	FN-317	0 1906 1	261	FN-395	0 1918 1	262
FN-124	0 1960 1	36	FN-318	0 1911 1	267	FN-396	0 1918 1	262
FN-125	0 1960 1	36	FN-320	0 1902 1	267	FN-400	0 1916 1	268
FN-126	0 1949 1	45	FN-322	0 1905 1	261	FN-402	0 1918 1	262
FN-127	0 1949 1	45	FN-323	0 1905 1	261	FO-301	0 1905 1	261
FN-138	0 1959 1	35	FN-324	0 1905 1	261	FO-302	0 1905 1	261
FN-139	0 1959 1	35	FN-325	0 1905 1	261	FR-302	0 1900 1	256
FN-140	0 1969 1	36	FN-330	0 1905 1	261	FR-303	0 1913 1	257
FN-141	0 1969 1	36	FN-331	0 1905 1	261	FS-112	0 1940 1	21
FN-145	0 1971 1	47	FN-333	0 1906 1	261	FS-123	0 1963 1	22
FN-155	0 1959 1	35	FN-334	0 1905 1	261	FS-124	0 1963 1	22
FN-156	0 1959 1	35	FN-335	0 1905 1	261	FS-125	0 1939 1	22
FN-158	0 1952 1	34	FN-336	0 1902 1	267	FS-127	0 1985 1	23
FN-163	0 1957 1	46	FN-342	0 1905 1	261	FS-301	0 1900 1	256
FN-167	0 1992 1	37	FN-343	0 1910 1	267	FS-304	0 1900 1	256
FN-168	0 1992 1	37	FN-344	0 1905 1	261	FS-309	0 1915 1	257
FN-169	0 1952 1	34	FN-346	0 1905 1	261	FS-310	0 1915 1	257
FN-173	0 1974 1	37	FN-347	0 1912 1	262	FT-104	0 1940 1	21
FN-174	0 1974 1	37	FN-348	0 1912 1	262	FT-111	0 1935 1	21
FN-175	0 1974 1	37	FN-349	0 1909 1	268	FT-114	0 1966 1	22
FN-176	0 1974 1	37	FN-352	0 1910 1	267	FT-116	0 1965 1	22
FN-178	0 1971 1	47	FN-353	0 1912 1	262	FT-124	0 1984 1	23
FN-186	0 1957 1	46	FN-354	0 1912 1	262	FT-127	0 1984 1	23
FN-187	0 1978 1	34	FN-355	0 1905 1	261	FT-128	0 1988 1	24
FN-188	0 1978 1	34	FN-356	0 1912 1	262	FT-129	0 1984 1	23
FN-189	0 1982 1	37	FN-357	0 1905 1	261	FT-130	0 1985 1	23
FN-190	0 1982 1	37	FN-359	0 1905 1	261	FT-133	0 1977 1	22
FN-191	0 1993 1	38	FN-360	0 1905 1	261	FT-138	0 1986 1	23
FN-192	0 1993 1	38	FN-361	0 1905 1	261	FT-139	0 1984 1	23
FN-195	0 1992 1	37	FN-362	0 1905 1	261	FT-140	0 1962 1	22
FN-196	0 1992 1	37	FN-363	0 1905 1	261	FT-141	0 1977 1	22
FN-197	0 1958 1	36	FN-364	0 1905 1	261	FT-142	0 1988 1	24
FN-198	0 1958 1	36	FN-368	0 1912 1	262	FT-143	0 1939 1	22
FN-199	0 1937 1	34	FN-372	0 1909 1	268	FT-147	0 1984 1	23
FN-200	0 1937 1	34	FN-373	0 1912 1	262	FT-148	0 1984 1	23
FN-302	0 1901 1	261	FN-376	0 1912 1	262	FT-149	0 1984 1	23
FN-303	0 1906 1	261	FN-377	0 1905 1	261	FT-150	0 1984 1	23
FN-304	0 1906 1	261	FN-379	0 1905 1	261	FT-151	0 1984 1	23
FN-305	0 1906 1	261	FN-380	0 1905 1	261	FT-305	0 1900 1	256

# VERGLEICHSLISTE CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	GHIBAUDI	IKA	PAGE
FT-313	0 1913 1	257	FY-155	0 1984 1	23	0030	4 5000 1	135
FT-314	0 1919 1	257	FY-156	0 1984 1	23	0033	4 5001 1	135
FT-315	0 1919 1	257	FY-157	0 1977 1	22	0892D	4 4502 0	200
FT-316	0 1915 1	257	FY-158	0 1985 1	23	1516	4 5002 1	135
FT-317	0 1915 1	257	FY-159	0 1988 1	24	1546	4 5003 1	135
FT-318	0 1915 1	257	FY-302	0 1905 1	261	1551	4 5004 1	151
FT-319	0 1913 1	257	FY-303	0 1905 1	261	1555	4 5005 1	136
FU-101	0 1988 1	24	FY-304	0 1905 1	261	1608	4 5006 1	136
FV-301	0 1905 1	261	FY-305	0 1905 1	261	1617	4 5007 1	136
FV-302	0 1905 1	261	FY-306	0 1906 1	261	1621	4 5008 1	136
FW-015	0 1940 1	21	FY-307	0 1905 1	261	1629	4 5009 1	148
FW-111	0 1993 1	38	FY-309	0 1905 1	261	1668	4 5010 1	136
FW-112	0 1993 1	38	FY-313	0 1906 1	261	1678	4 5011 1	148
FW-116	0 1984 1	23	FY-314	0 1906 1	261	1688	4 5012 1	151
FW-117	0 1984 1	23	FY-315	0 1905 1	261	1716	4 5013 1	145
FW-301	0 1905 1	261	FY-317	0 1900 1	256	1824	4 5014 1	137
FW-302	0 1905 1	261	FY-318	0 1914 1	268	1835	4 5015 1	137
FW-303	0 1900 1	256	FY-320	0 1905 1	261	1848	4 5016 1	148
FY-105	0 1937 1	34	FY-321	0 1912 1	262	1858	4 2321 1	158
FY-106	0 1937 1	34	FZ-104	0 1940 1	21	1887	4 5017 1	137
FY-111	0 1969 1	36	FZ-107	0 1984 1	23	1929	4 5018 1	147
FY-112	0 1969 1	36	FZ-108	0 1988 1	24	1944	4 5019 1	148
FY-113	0 1982 1	37	FZ-109	0 1966 1	22	1953	4 5020 1	151
FY-114	0 1982 1	37	FZ-301	0 1900 1	256	1954	4 2326 0	159
FY-115	0 1959 1	35				1959	4 2314 1	158
FY-116	0 1959 1	35				1968	4 2374 1	161
FY-117	0 1959 1	35				1969	4 2371 1	161
FY-119	0 1968 1	36				1989	4 5021 1	137
FY-120	0 1959 1	35				1991	4 5022 1	137
FY-121	0 1958 1	36				1999	4 5023 1	151
FY-122	0 1958 1	36				2000	4 2362 0	160
FY-123	0 1992 1	37				2006	4 5024 1	138
FY-124	0 1992 1	37				2059	4 5025 1	138
FY-125	0 1992 1	37				2064	4 5026 1	151
FY-126	0 1992 1	37				2065	4 5027 1	144
FY-127	0 1993 1	38				2069	4 5028 1	148
FY-128	0 1993 1	38				2090	4 5029 1	147
FY-129	0 1993 1	38				2120	4 5030 1	149
FY-130	0 1993 1	38				2122	4 5031 1	138
FY-138	0 1937 1	34				2149	4 5032 1	138
FY-139	0 1937 1	34				2151	4 2388 0	163
FY-140	0 1984 1	23				2152	4 5033 1	138
FY-143	0 1937 1	34				2162	4 5034 1	149
FY-148	0 1974 1	37				2169	4 5035 1	138-139
FY-149	0 1993 1	38				2189	4 5036 1	139
FY-150	0 1993 1	38				2196	4 5037 1	150
FY-151	0 1937 1	34				2201	4 5038 1	139
FY-153	0 1993 1	38				2203	4 5039 1	139

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GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE
2204	4 5040 1	139	3662	4 4002 0	187	3906	4 4403 0	195
2207	4 5041 1	151	3664	4 4109 0	189	3909	4 4417 0	195
2236	4 5042 1	139	3666	4 4012 0	187	3919	4 4412 0	195
2244	4 5043 1	152	3667	4 4104 0	189	3926	4 4401 0	195
2245	4 5044 1	144	3673	4 4106 0	189	3933	4 4400 0	195
2259	4 5045 1	152	3676	4 4105 0	189	3936	4 4409 0	195
2266	4 5046 1	140	3680	4 4115 0	189	3937	4 4414 0	195
2268	4 2387 0	163	3681	4 4116 0	189	3938	4 4410 0	195
2329	4 2389 0	163-164	3682	4 4000 0	187	3939	4 4411 0	195
2338	4 5047 1	140	3699	4 4013 0	187	3991	4 4353 0	199
2343	4 5048 1	140	3700	4 4021 0	187	4058	4 4302 0	191
2344	4 5049 1	150	3701	4 4080 0	188	4073	4 4304 0	191
2345	4 5050 1	149	3702	4 4000 0	187	4074	4 4300 0	191
2354	4 5051 1	140	3703	4 4123 0	189	4075	4 4305 0	191
2377	4 5053 1	152	3704	4 4126 0	189	4105	4 4459 0	194
2835	4 5054 1	152	3707	4 4136 0	189	4112	4 4455 0	194
2852	4 5055 1	146	3709	4 4141 0	189	4113	4 4454 0	194
2907	4 5056 1	146	3710	4 4142 0	189	4114	4 4456 0	196
3017	4 5057 1	140	3711	4 4022 0	187	4116	4 4457 0	190
3039	4 5058 1	141	3712	4 4004 0	187	4117	4 4461 0	190
3150	4 5059 1	141	3713	4 4077 0	188	4131	4 4462 0	190
3158	4 5060 1	152	3714	4 4137 0	189	4361	4 4361 0	199
3190	4 5061 1	141	3715	4 4056 0	188	4501K	4 4698 1	221
3194	4 5062 1	142	3716	4 4055 0	187	4510K	4 4697 1	221
3196	4 5063 1	142	3717	4 4054 0	187	4514K	4 4674 1	227
3199	4 5064 1	142	3720	4 4005 0	187	4520K	4 4662 1	227
3487	4 2240 0	175	3721	4 4061 0	188	4522K	4 4674 1	227
3539	4 6027 1	234	3723	8 4079 0	203	4525K	4 4659 1	227
3603	4 4354 0	192	3724	4 4062 0	188	4526K	4 4658 1	226
3615	4 4353 0	199	3751	4 4265 0	199	4529K	4 4657 1	226
3617	4 4352 0	199	3752	4 4257 0	199	4530K	4 4653 1	226
3631	4 4350 0	199	3753	4 4256 0	199	4531K	4 4656 1	226
3633	4 4363 0	200	3754	4 4260 0	199	4533K	4 4654 1	226
3634	4 4351 0	199	3755	4 4259 0	199	5894D	4 2242 0	176
3636	4 4368 0	200	3764	4 4264 0	199	6020	4 5065 1	142
3640	4 4501 0	200	3769	4 4253 0	199	6031	4 5066 1	142
3641	4 4503 0	200	3770	4 4265 0	199	6038	4 5067 1	152
3642	4 4502 0	200	3771	4 4263 0	199	6051	4 5068 1	153
3643	4 4504 0	200	3772	4 4260 0	199	6066	4 5069 1	144
3651	4 4004 0	187	3806	4 4302 0	191	6089	4 5070 1	143
3652	4 4002 0	187	3810	4 4304 0	191	6090	4 5071 1	153
3653	4 4109 0	189	3811	4 4305 0	191	6098	4 5072 1	149
3654	4 4103 0	188	3830	4 4300 0	191			
3656	4 4102 0	188	3831	4 4301 0	191			
3657	4 4351 0	199	3843	4 4306 0	191			
3658	4 4113 0	189	3844	4 4308 0	191			
3659	4 4000 0	187	3847	4 4307 0	191			
3660	4 4011 0	187	3852	4 4300 0	191			

# VERGLEICHSLISTE CROSS REFERENCE LIST

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2106-1601	4 4466 0	194	2114-59002	0 1982 1	37	2130-23112	0 1975 1	37
2106-2352	4 4466 0	194	2114-59003	0 1968 1	36	2130-2312	0 1992 1	37
2108-2305	0 1942 1	34	2114-63104	7 7140 1	115	2130-2601	4 4353 0	199
2108-2306	0 1942 1	34	2114-6312	0 1951 1	34	2130-2601	4 4472 0	194
2108-4305	0 1942 1	34	2114-63121	0 1961 1	35	2130-3302	8 8262 0	354
2108-4306	0 1942 1	34	2114-63125	0 1948 1	35	2130-3311	0 1992 1	37
2108-6305	0 1942 1	34	2114-63126	0 1964 1	35	2130-3451	8 8986 0	207
2108-6306	0 1942 1	34	2114-6313	0 1968 1	36	2130-3509	5 8263 7	361
2114-1352	4 4466 0	194	2114-6313	0 1969 1	36	2130-4311	0 1992 1	37
2114-1353	4 4485 0	194	2114-69002	0 1982 1	37	2130-4312	0 1992 1	37
2114-1411	8 8665 0	205	2114-69008	7 7141 1	115	2130-5312	0 1937 1	34
2114-15502	5 8263 7	361	2114-73105	7 7140 1	115	2130-5509	8 8261 0	354
2114-15507	4 5013 1	145	2114-73122	0 1961 1	35	2130-6312	0 1934 1	34
2114-15511	5 8263 7	361	2114-73123	0 1950 1	36	2130-73021	7 7142 1	115
2114-1601	4 4466 0	194	2114-75502	8 8261 0	354	2130-73022	7 7142 1	115
2114-23104	7 7524 1	116	2114-79001	7 7141 1	115	2130-7305	7 7143 1	115
2114-23106	7 7140 1	115	2114-83102	7 7524 1	116	2130-7311	0 1992 1	37
2114-23124	0 1961 1	35	2114-8312	0 1960 1	36	2130-7312	0 1974 1	37
2114-2313	0 1951 1	34	2114-83121	0 1961 1	35	2130-75004	4 5013 1	145
2114-25502	8 8260 0	354	2114-83122	0 1961 1	35	2130-8311	0 1937 1	34
2114-25511	8 8260 0	354	2114-83123	0 1950 1	36	2130-93021	7 7142 1	115
2114-2601	4 4471 0	194	2114-8313	0 1969 1	36	2130-9305	7 7142 1	115
2114-2601	4 4354 0	192	2114-8313	0 1968 1	36	2130-9311	0 1934 1	34
2114-29007	7 7141 1	115	2114-85501	4 5013 1	145	2240-1310	7 7142 1	115
2114-3315	0 1969 1	36	2114-89007	7 7141 1	115	2240-1311	0 1974 1	37
2114-3352	4 4466 0	194	2114-93102	7 7524 1	116	2240-1312	0 1974 1	37
2114-35502	8 8261 0	354	2114-93121	0 1968 1	36	2240-2101	8 8214 0	360
2114-35511	8 8260 0	354	2114-93122	0 1961 1	35	2240-2310	7 7142 1	115
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2114-39001	7 7141 1	115	2120-1311	0 1959 1	35	2240-4101	8 8214 0	360
2114-39008	7 7524 1	116	2120-1312	0 1959 1	35	2250-13015	7 7143 1	115
2114-4311	7 7141 1	115	2120-2601	0 1993 1	38	2250-1322	0 1952 1	34
2114-43125	0 1948 1	35	2120-2601	4 4354 0	192	2250-1324	0 1993 1	38
2114-4313	0 1960 1	36	2120-2601	4 4471 0	194	2250-1451	8 8829 0	206
2114-44101	4 4443 0	194	2120-4311	0 1959 1	35	2250-23015	7 7143 1	115
2114-45502	8 8214 0	360	2120-4401	4 4463 0	194	2250-2323	0 1993 1	38
2114-45511	5 8263 7	361	2120-5312	0 1959 1	35	2250-43015	7 7143 1	115
2114-4661	4 4455 0	194	2120-7311	0 1959 1	35	2250-4322	0 1993 1	38
2114-49007	7 7141 1	115	2120-7312	0 1958 1	36	2250-5310	7 7143 1	115
2114-53104	7 7140 1	115	2120-9311	0 1958 1	36	2250-5322	0 1937 1	34
2114-53105	7 7140 1	115	2130-13022	7 7142 1	115	2250-5323	0 1937 1	34
2114-5312	0 1969 1	36	2130-1306	7 7142 1	115	2250-7310	7 7143 1	115
2114-53126	0 1964 1	35	2130-1310	4 4472 0	194	2280-1312	0 1978 1	34
2114-5352	4 4454 0	194	2130-1310	0 1993 1	38	2280-1313	0 1978 1	34
2114-55002	5 8263 7	361	2130-1310	4 4353 0	199	GD1 15070	3 5313 1	307
2114-55502	8 8214 0	360	2130-13111	0 1974 1	37	GD1 15071	3 5467 1	325
2114-55511	8 8214 0	360	2130-1312	0 1992 1	37	GD2 14998	3 3520 1	295-296
2114-5661	4 4455 0	194	2130-1451	8 8671 0	205	GD2 15541	3 3528 1	297

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GD2 16009	3 3583 1	305	L180-1335	0 1905 1	261	61.040	4 2321 1	158
GD2 16092	3 3583 1	305	L225-13251	0 1912 1	262	61.061	4 2374 1	161
GD2 16093	3 3583 1	305	L225-13261	0 1912 1	262	61.070	4 2327 1	159
GD2 16099	3 3583 1	305	L225-23321	0 1912 1	262	61.071	4 2374 1	161
GD2 17756	3 5313 1	307	L240-13251	0 1912 1	262	61.111	4 2374 1	161
GD2 18089	3 5328 1	309	L240-13261	0 1912 1	262	61.145	4 2371 1	161
GD2 18509	3 5351 1	313	L290-1325	0 1912 1	262	61.957	4 2314 1	158
GD2 18752	3 5352 1	313						
GD2 18964	3 5349 1	313						
L1110-1325	0 1918 1	262						
L1110G-25001	3 3583 1	305						
L1110G-7500	3 3583 1	305						
L119N-1361	0 1901 1	261						
L120-13262	0 1905 1	261						
L120-5326	0 1905 1	261						
L120-5327	0 1905 1	261						
L123-1326	0 1906 1	261						
L125-13251	0 1905 1	261						
L125-13251-13261	0 1905 1	261						
L125-2326	0 1906 1	261						
L125H-1326	0 1905 1	261						
L125H-1327	0 1905 1	261						
L130-1327	0 1906 1	261						
L130-7326	0 1906 1	261						
L130-7327	0 1906 1	261						
L130F-5326	0 1905 1	261						
L135-1326	0 1906 1	261						
L135-1332	0 1906 1	261						
L135-6326	0 1905 1	261						
L135N-1301	0 1905 1	261						
L1401-1330	0 1905 1	261						
L150-13251	0 1905 1	261						
L150-13303	0 1905 1	261						
L150-13502	0 1905 1	261						
L150-23251-23252	0 1912 1	262						
L150-43301-83251	0 1912 1	262						
L150-73251	0 1905 1	261						
L150-73301	0 1905 1	261						
L150M-13251-13261	0 1912 1	262						
L150N-13261	0 1905 1	261						
L160-13301	0 1905 1	261						
L160-13302	0 1905 1	261						
L160-33152	0 1912 1	262						
L170-1325	0 1920 1	263						
L170-2325	0 1918 1	262						
L170-4325	0 1918 1	262						
L170G-25003	3 3528 1	297						
L180-1325	0 1918 1	262						

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BCH-06604 open	8 8277 0	205	F-226322.07	3 3521 1	296	F-227820.14	3 3526 1	297
BK F-219005	8 4097 0	204	F-226322.10	3 3542 1	299	F-227820.4	3 3526 1	297
F-123861	8 8677 0	206	F-226322.11	3 3542 1	299	F-227820.5	3 3526 1	297
F-203215	8 8693 0	206	F-226322.12	3 3521 1	296	F-227820.6	3 3526 1	297
F-219005	8 4097 0	204	F-226322.14	3 3542 1	299	F-227820.7	3 3526 1	297
F-220469	8 4092 0	203	F-226322.6	3 3542 1	299	F-227820.9	3 3526 1	297
F-220469.1	8 8663 0	205	F-226322.9	3 3542 1	299	F-227970.1	8 8660 0	351
F-221604	8 4097 0	204	F-226387	3 3560 1	301	F-228215	3 3518 1	295
F-225355	3 3517 1	295	F-226387.08	3 3560 1	301	F-228215.04	3 3518 1	295
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F-225653.11	3 3541 1	298-299	F-227079.06	3 3525 1	296-297	F-229363.3	3 3531 1	297
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F-225653.9	3 3522 1	296	F-227628.6	3 3520 1	295-296	F-229603.10	3 3532 1	297-298
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F-229603.15	3 3532 1	297-298	F-230846.2	3 3527 1	297	F-232369	3 5410 1	320
F-229603.16	3 3532 1	297-298	F-230846.3	3 3527 1	297	F-232369.02	3 5410 1	320
F-229603.17	3 3532 1	297-298	F-230866	3 5403 1	319	F-232369.03	3 5410 1	320
F-229603.19	3 3532 1	297-298	F-230866.01	3 5403 1	319	F-232369.04	3 3573 1	303
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F-230825.3	3 3547 1	299	F-232288.03	3 3583 1	305	F-233834.03	3 3565 1	302
F-230846	3 3527 1	297	F-232288.1	3 3583 1	305	F-233834.1	3 3565 1	302
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F-234065	3 3578 1	304	F-236528	3 3591 1	306	F-238512.02	3 5326 1	309
F-234359	3 3563 1	301	F-236528.01	3 3591 1	306	F-238512.03	3 5326 1	309
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F-235449	3 5313 1	307	F-237045	3 5319 1	308	F-239808.01	3 5374 1	316
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F-235931.02	3 5354 1	314	F-237481	3 3582 1	305	F-239809.02	3 5345 1	312
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F-240026.05	3 5441 1	323	F-551406.03	3 5344 1	312	F-553393	3 5336 1	310
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F-240113.01	3 5328 1	309	F-551406.05	3 5344 1	312	F-553448	3 5369 1	315
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F-550213	3 5340 1	311-312	F-551759	3 5352 1	313	F-554007.03	3 5386 1	317
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F-550395.02	3 5346 1	312	F-552714.02	3 5471 1	326	F-557045.01	3 5454 1	323
F-550426	3 5376 1	316	F-552861	3 5380 1	316	F-557311	3 5392 1	318
F-550487.01	3 5485 1	328	F-552901.02	3 5391 1	318	F-557311.01	3 5392 1	318
F-550532	3 5388 1	317-318	F-552901.03	3 5391 1	318	F-557564	3 5385 1	317
F-550532.01	3 5388 1	317-318	F-552901.06	3 5391 1	318	F-557755	3 5347 1	313
F-550532.02	3 5388 1	317-318	F-552923	3 3576 1	303	F-557928	3 5390 1	318
F-550879	3 5349 1	313	F-552923.01	3 3576 1	303	F-557928.01	3 5390 1	318
F-550879.01	3 5349 1	313	F-552973.01	3 5468 1	326	F-558333	3 5455 1	323
F-550883	3 5466 1	325	F-553099	3 3576 1	303	F-558404	3 3588 1	330
F-550883.02	3 5466 1	325	F-553099.01	3 3576 1	303	F-558432.02	3 5373 1	315-316
F-551034	3 5351 1	313	F-553240	3 5438 1	322	F-558553	3 3578 1	304
F-551034.01	3 5351 1	313	F-553240.01	3 5438 1	322	F-558658	3 5431 1	322
F-551359	3 3565 1	302	F-553322	3 5381 1	316	F-558658.01	3 5431 1	322
F-551406	3 5344 1	312	F-553322.01	3 5381 1	316	F-558658.02	3 5431 1	322

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F-559320.01	3 3557 1	300	F-580007	3 5457 1	324	SCE 1210 B	8 8275 0	205
F-559569	3 5465 1	325	F-580303	3 5449 1	323	SCE 146 B	8 8683 0	206
F-559585	3 3531 1	297	F-580452	3 5487 1	328-329	SCE 98	8 4208 0	204
F-559585.01	3 3531 1	297	F-580570	3 5488 1	329	SCH F-220469.1	8 8663 0	205
F-559894	3 5456 1	324	F-581342	3 5463 1	325	SCH FC-65177	8 8277 0	205
F-560201	3 5479 1	327	F-581518	3 5472 1	326			
F-560201.01	3 5479 1	327	F-582200	3 5462 1	324			
F-560565	3 5387 1	317	F-583172	3 5342 1	312			
F-560671	3 5477 1	327	F-585322	3 5473 1	326			
F-560843	3 3533 1	298	F-587627	3 5476 1	327			
F-560968	3 5416 1	320	F-588421	3 5489 1	329			
F-561338	3 3518 1	295	F-66217	8 4207 0	204			
F-561464	3 5333 1	310	F-91916	8 8693 0	206			
F-561464.02	3 5333 1	310	F-92227	8 8983 0	206			
F-561464.03	3 5333 1	310	F-95066.2	8 8133 0	350			
F-561899	3 5480 1	328	FC-66217	8 4207 0	204			
F-561957	3 5430 1	321-322	FC-66624	8 4079 0	203			
F-561957.03	3 5430 1	321-322	FC-66999	8 8314 0	205			
F-561957.04	3 5430 1	321-322	HK 0408	8 2269 0	203			
F-562331.01	3 5464 1	325	HK 0509	8 2260 0	203			
F-563248	3 5458 1	324	HK 0608	8 2256 0	203			
F-563248.01	3 5458 1	324	HK 0609	8 2258 0	203			
F-563248.02	3 5458 1	324	HK 0808	8 8674 0	206			
F-563248.03	3 5474 1	327	HK 0810	8 8673 0	205			
F-563424	3 5457 1	324	HK 0910	8 8675 0	206			
F-563424.01	3 5457 1	324	HK 1010	8 4096 0	203			
F-563424.02	3 5457 1	324	HK 1012 RS	8 8668 0	205			
F-563432	3 5393 1	318	HK 1014 RS	8 4097 0	204			
F-563515	3 5470 1	326	HK 1210	8 4079 0	203			
F-563771	3 5486 1	328	HK 1212	8 8981 0	206			
F-563795	3 5453 1	323	HK 1214 2RS FPM	8 4095 0	203			
F-563945	3 5459 1	324	HK 1214 RS	8 4098 0	204			
F-564321	3 5481 1	328	HK 1216 2RS	8 4099 0	204			
F-564626	3 5482 1	328	HK 1412	8 8672 0	205			
F-567525	3 5394 1	318-319	HK 1414 2RS	8 8982 0	206			
F-567535	3 5483 1	328	HK 1419	8 8161 0	205			
F-56769	8 8684 0	206	HK 1512	8 8829 0	206			
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F-570680	3 5397 1	319	HK 2012	8 8986 0	207			
F-570753	3 5308 1	307	HK 2212	8 8671 0	205			
F-570802	3 5458 1	324	HK 2216 2RS	8 8665 0	205			
F-570802.01	3 5458 1	324	HK 2220	8 8987 0	207			
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F-572716	3 5323 1	308-309	NK 10/12 TN	8 4091 0	203			
F-576346	3 5323 1	308-309	NK 10/17 TN	8 4091 0	203			
F-577572	3 5418 1	321	SCE 1012	8 8664 0	205			

# VERGLEICHSLISTE CROSS REFERENCE LIST

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15 120 087	4 4264 0	199	200 510	4 4260 0	199	200 681	8 4098 0	204
16 770 002	0 1061 1	252	200 514	4 4256 0	199	200 682	4 4505 0	200
16 770 114	0 1061 1	252	200 600	4 4056 0	188	200 683	4 4506 0	200
16 770 134	0 1417 1	258	200 601	4 4062 0	188	200 830	4 4265 0	199
16 770 164	0 1069 1	251	200 602	4 4032 0	187	200 834	4 4354 0	192
16 770 188	0 1433 1	258	200 603	4 4053 0	187	200 846	4 4104 0	189
16 770 205	0 1535 1	39	200 604	4 4106 0	189	200 863	4 4004 0	187
16 770 206	0 1719 1	272	200 605	4 4009 0	187	200 864	4 4000 0	187
16 770 377	0 1534 1	39	200 606	4 4144 0	189	200 872	4 4103 0	188
16 770 378	0 1534 1	39	200 607	4 4023 0	187	200 875	4 4259 0	199
16 900 920	4 5003 1	135	200 609	8 4079 0	203	200 876	4 4257 0	199
16 905 218	0 1457 1	25	200 610	4 4077 0	188	200 877	4 4264 0	199
16 905 225	0 1451 1	25	200 611	4 4005 0	187	200 878	4 4351 0	199
16 905 226	0 1132 1	6	200 612	4 4061 0	188	200 879	4 4353 0	199
16 905 235	0 1165 1	9	200 613	8 4096 0	203	200 889	4 4352 0	199
16 905 247	0 1158 1	8	200 614	4 4265 0	199	200 890	4 4361 0	199
16 905 294	0 1138 1	6	200 615	4 4022 0	187	200 897	4 4302 0	191
16 905 338	0 1103 1	3	200 616	4 4054 0	187	200 899	4 4304 0	191
16 905 375	0 1148 1	6	200 617	4 4052 0	187	200 900	4 4305 0	191
16 905 376	0 1147 1	6	200 618	4 4055 0	187	200 903	4 4012 0	187
16 905 380	0 1136 1	6	200 620	4 4004 0	187	200 906	4 4080 0	188
16 905 387	0 1103 1	3	200 622	4 4124 0	189	200 907	4 4102 0	188
16 905 389	0 1104 1	3	200 623	4 4300 0	191	200 908	4 4115 0	189
16 905 392	0 1132 1	6	200 624	4 4053 0	187	200 909	4 4116 0	189
16 905 439	0 1532 1	39	200 625	4 4351 0	199	200 919	4 4355 0	199
16 905 645	0 1534 1	39	200 628	4 4300 0	191	200 920	4 4011 0	187
16 905 688	0 1538 1	39	200 629	4 4304 0	191	200 922	4 4350 0	199
16 905 695	0 1537 1	39	200 632	4 4311 0	191	200 925	4 4126 0	189
16 905 767	0 1138 1	6	200 639	4 4464 0	196	200 926	4 4141 0	189
16 905 825	0 1151 1	7	200 640	4 4464 0	196	200 927	4 4263 0	199
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16 905 950	0 1532 1	39	200 642	4 4456 0	196	200 940	4 4021 0	187
16 905 973	0 1534 1	39	200 643	4 4458 0	196	200 941	4 4136 0	189
16 907 299	3 3516 1	295	200 644	4 4465 0	196	200 942	4 4123 0	189
16 970 206	0 1719 1	272	200 646	4 4460 0	196	200 943	4 4109 0	189
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17 120 057	4 4302 0	191	200 655	4 4462 0	190	200 945	4 4013 0	187
17 120 203	4 4304 0	191	200 656	4 4461 0	190	200 946	4 4253 0	199
18 100 021	4 5000 1	135	200 658	4 4459 0	194	200 947	4 4352 0	199
18 100 098	4 5001 1	135	200 659	4 4466 0	194	200 951	4 4372 0	200
			200 660	4 4466 0	194	200 952	4 4371 0	200
			200 663	4 4454 0	194	200 953	4 4368 0	200
			200 666	4 4463 0	194	200 954	4 4456 0	196
			200 667	4 4353 0	199	200 955	4 4364 0	200
			200 669	4 4469 0	190	200 956	4 4369 0	200
			200 672	4 4457 0	190	200 957	4 4306 0	191
			200 673	4 4475 0	190	200 958	4 4307 0	191

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200 961	4 4304 0	191	111020A	3 3593 1	330	920617	3 3597 0	342
200 964	4 4301 0	191	600459	3 5405 0	343	920629	3 3572 1	330
200 966	4 4302 0	191	600501	3 3571 1	330	920650	3 5370 1	332
200 967	4 4311 0	191	600538	3 5377 1	333	920685	3 5377 1	333
200 969	4 4009 0	187	600574	3 3562 1	330	920693	3 5301 1	331
200 970	4 4131 0	189	600583	3 3588 1	330	920720	3 3594 1	331
200 971	4 4123 0	189	600599	3 5364 1	332	920726	3 5415 1	334
200 972	4 4304 0	191	600606	3 3593 1	330	920731	3 5367 1	332
420 350	4 2201 0	171	600615	3 3594 1	331	920732	3 3597 0	342
420 351	4 2202 0	171	600629	3 3572 1	330	920752	3 3595 1	331
420 352	4 2205 0	172	600650	3 5370 1	332	920755	3 3592 1	330
504 647	0 3821 1	225-226	600685	3 5377 1	333	920782	3 5448 1	335
504 849	0 3820 1	225	600693	3 5301 1	331	920789	3 3596 1	331
CPB1001B	7 7127 1	79	600720	3 3594 1	331	920796	3 5325 1	331
CPB1002B	7 7129 1	79	600726	3 5415 1	334	920798	3 5350 0	343
CPB1003B	7 7132 1	80	600731	3 5367 1	332	920801	3 5361 1	332
CPB1004B	7 7130 1	80	600752	3 3595 1	331	920802	3 5378 1	333
CPB1006B	7 7119 1	77	600755	3 3592 1	330	920803	3 5372 1	332
CPB1007B	7 7120 1	78	600782	3 5448 1	335	920810	3 5412 1	334
CPB1008B	7 7121 1	78	600789	3 3596 1	331	920821	3 5371 1	332
CPB1009B	7 7124 1	78	600796	3 5325 1	331	920822	3 5398 0	343
CPB1010B	7 7128 1	79	600801	3 5361 1	332	920834	3 5377 1	333
CPB1011B	7 7125 1	79	600802	3 5378 1	333	920835	3 5461 1	336
CPB1012B	7 7126 1	79	600803	3 5372 1	332	920851	3 5406 1	333
CPB1013B	7 7131 1	80	600810	3 5412 1	334	920856	3 5404 1	333
CPB1014B	7 7122 1	78	600821	3 5371 1	332	920859	3 5405 0	343
CPB1015B	7 7115 1	77	600834	3 5377 1	333	920916	3 5447 1	335
CPB1018H	7 7140 1	115	600835	3 5461 1	336	920918	3 5405 0	343
CPB1021B	7 7117 1	77	600851	3 5406 1	333	920954	3 5415 1	334
CPB1023B	7 7133 1	80	600918	3 5405 0	343	920975	3 5443 1	334-335
			600954	3 5415 1	334	920979	3 5460 1	335
			600979	3 5460 1	335	920995	3 5444 1	335
			600999	3 5442 1	334	920999	3 5442 1	334
			700006	3 5445 1	335	921703	3 5444 1	335
			700007	3 5446 1	335	953710	3 5400 1	319
			920006	3 5445 1	335			
			920007	3 5446 1	335			
			920476	3 5402 1	333			
			920484	3 5484 1	336			
			920501	3 3571 1	330			
			920502	3 5322 0	343			
			920538	3 5377 1	333			
			920574	3 3562 1	330			
			920575	3 3599 0	343			
			920583	3 3588 1	330			
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			920606	3 3593 1	330			

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227 305	0 1550 1	264	60 600 849	0 1615 1	40	4000241	3 5450 0	345
227 541	0 1553 1	264	60600024	4 5056 1	146	4110038	3 3553 0	342
253 316	4 4403 0	195	BCH06604 closed	8 8200 0	205	5300493	3 5401 1	319
256 112	4 4417 0	195	BCH06604 open	8 8277 0	205	5320612	3 5402 1	333
271 364	4 4412 0	195	TAB 106	0 1613 1	40	5350001	3 3517 1	295
271 735	0 1608 1	40	TAB 117	0 1617 1	40	5350002	3 3587 1	305
271 735-1	0 1609 1	40	TAB 118	0 1615 1	40	5350003	3 3518 1	295
54 160 827	8 8200 0	205	TAB 119	0 1614 1	40	5350004	3 3522 1	296
54 202 906	0 1570 1	265	TAB 120	0 1609 1	40	5350005	3 3541 1	298-299
54 203 641	0 1569 1	265	TAB 124	0 1628 1	41	5350007	3 3521 1	296
54 207 267	8 8200 0	205	TAB 125	0 1609 1	40	5350008	3 3542 1	299
54 207 268	8 8200 0	205	TCB 113	4 4401 0	195	5350009	3 3515 1	295
54 207 451	8 8277 0	205	TCB 114	4 4400 0	195	5350010	3 3516 1	295
54 213 117	0 1553 1	264	TCB 116	4 4697 1	221	5350011	3 3524 1	296
54 216 361	0 1558 1	264	TCB 118	4 4698 1	221	5350012	3 3520 1	295-296
54 218 706	0 1560 1	264	TCB 120	4 4412 0	195	5350013	3 3518 1	295
54 219 368	0 1561 1	264	TCB 124	4 4403 0	195	5350014	3 3527 1	297
54 243 853	4 4698 1	221	TMB115	4 5055 1	146	5350015	3 3529 1	297
54 244 848	0 1617 1	40	TMB120	4 5056 1	146	5350016	3 3531 1	297
54 244 979	0 1618 1	41	UAB 100	1 2041 0	287	5350018	3 3548 1	299-300
54 246 258	0 1628 1	41	UAB 101	1 2041 0	287	5350019	3 3576 1	303
54 252 054	4 4400 0	195	UAB 102	1 2040 0	287	5350020	3 3543 1	299
54 252 236	4 4401 0	195	UAB 104	1 2040 0	287	5350021	3 3547 1	299
54 255 966	4 4409 0	195	ULB 105	0 1569 1	265	5350022	3 3527 1	297
54 256 098	4 4414 0	195	ULB 108	0 1560 1	264	5350023	3 3540 1	298
54 256 132	4 4414 0	195	ULB 110	0 1561 1	264	5350024	3 3539 1	298
54 256 151	4 4410 0	195	UMB 113	8 8200 0	205	5350025	3 3545 1	299
54 256 907	0 1613 1	40	UMB 115	8 8277 0	205	5350026	3 3525 1	296-297
54 257 833	4 4411 0	195	UMB 120	8 8210 0	360	5350028	3 3546 1	299
54 258 592	0 1614 1	40	UMB 129	8 8277 0	205	5350030	3 3533 1	298
54 259 517	0 1615 1	40	USB 103	0 1550 1	264	5350034	3 3556 1	300
54 269 480	4 4264 0	199	USB 104	0 1553 1	264	5350035	3 3549 1	300
54 269 790	4 4418 0	195	USB 106	0 1558 1	264	5350036	3 3559 1	300-301
54 390 877	0 1573 1	265				5350037	3 3563 1	301
54160288	1 2041 0	287				5350038	3 5302 1	306
54217372	1 2040 0	287				5350039	3 3532 1	297-298
54243783	4 5055 1	146				5350040	3 5307 1	306-307
54246738	4 5055 1	146				5350041	3 3577 1	303-304
54246896	4 5055 1	146				5350042	3 3568 1	302
54247034	4 5056 1	146				5350043	3 5356 1	314
54247036	4 5056 1	146				5350044	3 3583 1	305
54247134	4 5056 1	146				5350045	3 5345 1	312
54247187	4 5055 1	146				5350046	3 3564 1	301
54295155	4 5056 1	146				5350047	3 3526 1	297
60 600 056	0 1617 1	40				5350048	3 3581 1	304-305
60 600 735	4 4697 1	221				5350049	3 5353 1	314
60 600 767	0 1621 1	41				5350050	3 3557 1	300
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LUK	IKA	PAGE	LUK	IKA	PAGE	LUK	IKA	PAGE
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5350053	3 3528 1	297	5350110	3 5356 1	314	5350172	3 3571 1	330
5350054	3 3561 1	301	5350111	3 5348 1	313	5350173	3 5394 1	318-319
5350055	3 3574 1	303	5350112	3 5357 1	314	5350174	3 3594 1	331
5350059	3 3573 1	303	5350114	3 5358 1	314	5350175	3 5372 1	332
5350061	3 3578 1	304	5350115	3 5362 1	315	5350176	3 5456 1	324
5350062	3 3579 1	304	5350116	3 3548 1	299-300	5350177	3 5411 1	320
5350063	3 3580 1	304	5350117	3 5303 1	337	5350178	3 5419 1	321
5350064	3 3582 1	305	5350118	3 5318 1	308	5350179	3 5410 1	320
5350065	3 5328 1	309	5350119	3 5334 1	310	5350180	3 5395 1	319
5350068	3 3569 1	302	5350120	3 3588 1	330	5350181	3 5396 1	319
5350069	3 3565 1	302	5350121	3 5337 1	311	5350182	3 5397 1	319
5350070	3 3562 1	330	5350123	3 5342 1	312	5350183	3 3591 1	306
5350071	3 3572 1	330	5350124	3 5344 1	312	5350184	3 5308 1	307
5350072	3 3576 1	303	5350125	3 5336 1	310	5350185	3 5400 1	319
5350073	3 3532 1	297-298	5350127	3 5307 1	306-307	5350186	3 5401 1	319
5350074	3 3590 1	306	5350128	3 5338 1	311	5350187	3 5414 1	320
5350075	3 3584 1	305	5350129	3 5366 1	315	5350188	3 5404 1	333
5350076	3 5345 1	312	5350130	3 5468 1	326	5350189	3 5367 1	332
5350077	3 3587 1	305	5350131	3 5360 1	315	5350190	3 3592 1	330
5350078	3 3561 1	301	5350132	3 5469 1	326	5350191	3 5325 1	331
5350079	3 3589 1	305-306	5350134	3 3560 1	301	5350192	3 3596 1	331
5350080	3 5333 1	310	5350135	3 5441 1	323	5350193	3 5416 1	320
5350081	3 5326 1	309	5350136	3 3587 1	305	5350194	3 5435 1	322
5350082	3 3591 1	306	5350139	3 5369 1	315	5350195	3 5371 1	332
5350083	3 5313 1	307	5350140	3 5374 1	316	5350196	3 5364 1	332
5350084	3 5312 1	307	5350141	3 3578 1	304	5350197	3 3595 1	331
5350085	3 5311 1	307	5350143	3 5381 1	316	5350198	3 5378 1	333
5350086	3 5314 1	308	5350144	3 5403 1	319	5350199	3 5436 1	322
5350087	3 5319 1	308	5350145	3 5418 1	321	5350200	3 5430 1	321-322
5350088	3 5309 1	307	5350146	3 5454 1	323	5350201	3 5431 1	322
5350089	3 5310 1	307	5350149	3 5376 1	316	5350202	3 5457 1	324
5350090	3 5331 1	310	5350151	3 5390 1	318	5350203	3 5458 1	324
5350091	3 5352 1	313	5350152	3 5478 1	327	5350204	3 5459 1	324
5350092	3 5349 1	313	5350153	3 5417 1	321	5350205	3 5428 1	334
5350093	3 5351 1	313	5350154	3 5466 1	325	5350206	3 5429 1	334
5350094	3 5418 1	321	5350155	3 5323 1	308-309	5350207	3 5439 1	323
5350095	3 5323 1	308-309	5350157	3 3593 1	330	5350208	3 5377 1	333
5350096	3 5324 1	309	5350159	3 5393 1	318	5350209	3 5415 1	334
5350098	3 5317 1	308	5350160	3 5384 1	316-317	5350210	3 5406 1	333
5350100	3 5354 1	314	5350161	3 5385 1	317	5350211	3 5438 1	322
5350101	3 5345 1	312	5350164	3 5386 1	317	5350212	3 5301 1	331
5350102	3 5340 1	311-312	5350165	3 5392 1	318	5350213	3 5453 1	323
5350103	3 5388 1	317-318	5350166	3 5387 1	317	5350214	3 5449 1	323
5350104	3 5346 1	312	5350167	3 5455 1	323	5350215	3 5463 1	325
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5350107	3 5355 1	314	5350169	3 5380 1	316	5350217	3 5483 1	328
5350108	3 5335 1	310	5350170	3 5475 1	327	5350218	3 5462 1	324

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LUK	IKA	PAGE	LUK	IKA	PAGE	MARELLI / FIAT	IKA	PAGE
5350219	3 5472 1	326	7170025	8 4096 0	203	4 007 952	4 4304 0	191
5350222	3 5467 1	325	7170027	8 4079 0	203	4 047 985	4 4305 0	191
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5350228	3 5481 1	328	7170047	8 8674 0	206	504 0887 96	3 5388 1	317-318
5350229	3 5470 1	326	7170048	8 4091 0	203	504 2800 12	3 5456 1	324
5350230	3 5460 1	335	7170058	8 8277 0	205	518 607 57	3 5460 1	335
5350231	3 5461 1	336	7170059	8 8665 0	205	542 941 89	4 2400 1	166
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5350238	3 5476 1	327				551 963 01	3 5403 1	319
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5350246	3 5418 1	321				632 235 37	4 4316 0	191
5350252	3 5442 1	334				672 541	4 4302 0	191
5350256	3 5412 1	334				708 040 60	8 4096 0	203
5350259	3 5447 1	335				721 641 01	7 7395 1	118
5350264	3 5485 1	328				721 641 02	7 7396 1	118
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7170013	8 8693 0	206				752 069 91	8 8983 0	206
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7170017	8 8663 0	205				773 633 03	3 3532 1	297-298
7170020	8 2269 0	203				773 634 68	3 3579 1	304
7170021	8 2260 0	203				773 635 65	3 5325 1	331
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773 640 82	3 5384 1	316-317	9 927 783	4 4307 0	191	028510-0670	0 1988 1	24
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773 642 66	7 7288 1	93	9 927 796	4 4308 0	191	1800-A201	3 5486 1	328
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083 776 022	4 4022 0	187	085 831 949	7 7132 1	80	096 957 145	1 2012 0	287
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085 831 533	7 7222 1	85	095 235 823	7 7147 1	129			
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0138601	3 3520 1	295-296	1 995 564	0 1270 1	270	198 5065	7 7180 1	126
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114 904 550	4 4248 0	197	1045 6456	7 7178 1	125	198 8121	7 7168 1	125
323 125 436 125	4 4241 0	197	10451980	4 5037 1	150	198 8122	7 7168 1	125
323 125 527 127	4 4240 0	197	1046 8705	7 7175 1	125	198 8439	7 7168 1	125
323 125 527 131	4 4243 0	197	1046 8706	7 7175 1	125	198 9640	1 2007 0	289
323 125 723 125	4 4247 0	197	1046 9238	7 7175 1	125	198 9646	8 8210 0	360
323 622 642 933	4 4248 0	197	1047 0140	7 7175 1	125	198 9651	7 7162 1	279
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030 828	4 4259 0	199	099931	4 5060 1	152	182 146	0 1755 1	59
035 070	4 4256 0	199	100 845	1 3601 0	366	182 158	4 4654 1	226
047 852	4 4354 0	192	100 995	1 3610 0	366	182 162	0 1756 1	58
049 785	4 4353 0	199	102 130	8 8278 0	359	182 194	0 1355 1	65
050 488	4 4352 0	199	104 164	4 4368 0	200	182 231	0 1710 1	272
051 914	4 4265 0	199	104 809	1 3683 0	378	182047	4 5004 1	151
052 123	4 4353 0	199	105 299	1 3682 0	378	182176	4 5012 1	151
055 330	4 4361 0	199	105 464	4 4371 0	200	183 957	7 7151 1	129
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068 888	4 4260 0	199	181 961	7 7150 1	129	185 936	8 4079 0	203
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195 253	7 7602 1	131	2603331	3 5348 1	313	581 111	0 1327 1	274
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72 615	0 1756 1	58	FG18S012	8 8158 0	360
72 616	0 1738 1	58	NE184	4 5054 1	152
72 617	0 1757 1	59	NE209	4 5004 1	151
72 618	0 1760 1	59	NE776	4 5012 1	151
72 619	0 1757 1	59	NE832	4 5012 1	151
72 620	0 1757 1	59	NE834	4 5020 1	151
72 621	0 1757 1	59	NE878	4 5045 1	152
72 622	0 1757 1	59	NE883	4 5004 1	151
72 625	0 1759 1	59	NE949	4 5026 1	151
72 628	0 1759 1	59	SG12B123	3 3533 1	298
72 629	0 1759 1	59	TG15C128	3 3533 1	298
72 630	0 1750 1	58	TG15C153	3 3533 1	298
72 631	0 1746 1	58			
72 632	0 1759 1	59			
72 734	0 1757 1	59			
73 608	0 1760 1	59			
73 742	0 1710 1	272			
73 829	0 1757 1	59			
75 093	0 1746 1	58			
75 217	0 1355 1	65			
75 226	0 1355 1	65			
75 238	0 1355 1	65			
75 411	0 1712 1	272			
75 452	0 1742 1	58			
75 707	0 1769 1	60			
78 166	0 1760 1	59			
78 865	0 1750 1	58			
78 900	0 1755 1	59			
79 325	0 1353 1	65			
92 433	0 1760 1	59			
92 435	0 1757 1	59			
92 655	0 1757 1	59			
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92 669	0 1715 1	272			
92 694	0 1759 1	59			
92 695	0 1759 1	59			
92 744	0 1746 1	58			
92 824	0 1760 1	59			
92 878	0 1766 1	59			
92 914	0 1770 1	60			
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D6RA CE	4 4503 0	200			
D6RA DE	4 4501 0	200			
D6RA DS	4 4504 0	200			
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0 1035 1	BX 104 (2)	249	0 1136 1	BSX 100	6	0 1261 1	RX 142-143	271
0 1043 1	BX 140 (4)	249	0 1138 1	BSX 102	6	0 1263 1	RX 140-141	271
0 1044 1	BX 151	249	0 1140 1	BSX 104 (2)	6	0 1266 1	RX 103	270
0 1048 1	BX 169	250	0 1147 1	BSX 134-144	6	0 1267 1	RX 103 F	270
0 1051 1	BX 182	250	0 1148 1	BSX 135-145	6	0 1268 1	RX 103 E	270
0 1052 1	BX 185	250	0 1149 1	BSX 137-143	7	0 1269 1	RX 106	270
0 1061 1	BX 202	252	0 1150 1	BSX 138-142	7	0 1270 1	RX 117	270
0 1062 1	BX 204	252	0 1151 1	BSX 139	7	0 1280 1	RX 122	54
0 1063 1	BX 208	253	0 1152 1	BSX 140	7	0 1281 1	RX 124	54
0 1064 1	BX 216	254	0 1154 1	BSX 146	7	0 1282 1	RX 134	55
0 1065 1	BX 213	253	0 1155 1	BSX 147	7	0 1283 1	RX 135	55
0 1066 1	BX 209	253	0 1156 1	BSX 148	8	0 1284 1	RX 60	52
0 1067 1	BX 214	254	0 1157 1	BSX 149	8	0 1285 1	RX 70 (4)	52
0 1068 1	BX 215	254	0 1158 1	BSX 151	8	0 1286 1	RX 96 (R 120)	52
0 1069 1	BX 192 (4)	251	0 1159 1	BSX 151/0	8	0 1287 1	RX 87	52
0 1075 1	BX 165	249	0 1162 1	BSX 152	8	0 1288 1	RX 95	52
0 1079 1	BX 188	251	0 1164 1	BSX 155	8	0 1290 1	RX 132-133	271
0 1080 1	BX 190	251	0 1165 1	BSX 157-158	9	0 1291 1	RX 120 (3)	53
0 1081 1	BX 199	251	0 1166 1	BSX 159-160	9	0 1292 1	RX 120/0 (3)	54
0 1082 1	BX 219	254	0 1167 1	BSX 157-158 K Mercedes	9	0 1294 1	RX 120/0 (2)	53
0 1083 1	BX 220	255	0 1168 1	BSX 163-164	9	0 1295 1	RX 120/0 (4)	54
0 1084 1	BX 198	251	0 1169 1	BSX 165	10	0 1296 1	RX 92	52
0 1086 1	BX 203	252	0 1170 1	BSX 197	13	0 1298 1	RX 120 (2) S	53
0 1088 1	BSX 184-185	11	0 1171 1	BSX 170-171	10	0 1299 1	RX 120 (4) S	53
0 1091 1	BSX 210-211	14	0 1172 1	BSX 172-173	10	0 1410 1	JX 22	258
0 1092 1	BSX 212-213	14	0 1173 1	BSX 166	10	0 1413 1	JX 26	258
0 1093 1	BSX 214-215	14	0 1174 1	BSX 177	11	0 1415 1	JX 30-31	258
0 1094 1	BSX 216-217	14	0 1175 1	BSX 174-175	11	0 1417 1	JX 32	258
0 1095 1	BSX 218-219	15	0 1176 1	BSX 178-179	11	0 1433 1	JX 42	258
0 1096 1	BSX 220-221	15	0 1178 1	BSX 202-203	13	0 1434 1	JX 43	259
0 1099 1	BSX 36	3	0 1179 1	BSX 186	11	0 1435 1	JX 44	259
0 1100 1	BSX 12	3	0 1180 1	BSX 186-187	12	0 1451 1	JSX 5	25
0 1102 1	BSX 33	3	0 1183 1	BSX 190-191	12	0 1453 1	JSX 11	25
0 1103 1	BSX 34	3	0 1184 1	BSX 192-193	12	0 1454 1	JSX 9	25
0 1104 1	BSX 35	3	0 1186 1	BSX 194-195	12	0 1455 1	JSX 14	25
0 1105 1	BSX 39	3	0 1187 1	BSX 196	12	0 1456 1	JSX 12	25
0 1106 1	BSX 43 (4)	4	0 1188 1	BSX 200-201	13	0 1457 1	JSX 13 (4)	25
0 1107 1	BSX 44 (4)	4	0 1194 1	BSX 172-173-174	10	0 1458 1	JSX 15	26
0 1112 1	BSX 53	4	0 1197 1	BSX 204-205	13	0 1459 1	JSX 16	26
0 1112 1	BSX 59 (2)	4	0 1220 1	BSX 222-223	15	0 1460 1	JSX 17	26
0 1118 1	BSX 62	4	0 1250 1	RX 120 (2)	53	0 1461 1	JSX 18	26
0 1119 1	BSX 67	4	0 1251 1	RX 120 (4)	53	0 1462 1	JSX 19	26
0 1121 1	BSX 70	4	0 1254 1	RX 419-420	56	0 1464 1	JSX 21-22	26
0 1123 1	BSX 74	5	0 1256 1	RX 122H	54	0 1466 1	JSX 23-24-28	27
0 1124 1	BSX 75	5	0 1257 1	RX 124H	54	0 1467 1	JSX 25-22	27
0 1125 1	BSX 76	5	0 1259 1	RX 134H	55	0 1468 1	JSX 26-27	27
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0 1470 1	J SX 31-32	27	0 1618 1	L ASX 42	41	0 1768 1	PSX 148-158 w/o. sprin	62
0 1471 1	J SX 33-34	27	0 1621 1	L ASX 73-41	41	0 1769 1	PSX 132	60
0 1472 1	J SX 35-36	28	0 1628 1	L ASX 43-44 w. termina	41	0 1770 1	PSX 131	60
0 1473 1	J SX 35-37	28	0 1662 1	M ASX 3	43	0 1770 1	PSX 133	60
0 1474 1	J SX 38-39-40 (3)	28	0 1663 1	M ASX 13-14	43	0 1771 1	PSX 136-137	60
0 1475 1	J SX 38-41	28	0 1664 1	M ASX 15-16	43	0 1773 1	PSX 148-149 w/o. sprin	61
0 1476 1	J SX 38-42	28	0 1665 1	M ASX 17-18	43	0 1774 1	PSX 148-149/0	62
0 1477 1	J SX 40-46-47 (4)	29	0 1666 1	M ASX 19-20	43	0 1775 1	PSX 138-139 (2)	60
0 1478 1	J SX 43-45-44 (4)	29	0 1668 1	M ASX 21-22	43	0 1776 1	PSX 140-141 (4)	60
0 1479 1	J SX 48-49-50 (3)	29	0 1669 1	M ASX 23-24	44	0 1777 1	PSX 148-157 w/o. sprin	62
0 1480 1	J SX 51-52 (2)	29	0 1670 1	M ASX 25-26	44	0 1778 1	PSX 148-159 w/o. sprin	63
0 1481 1	J SX 53-54	30	0 1671 1	M ASX 27-28	44	0 1779 1	PSX 142-143	61
0 1482 1	J SX 38-40-58 (4)	28	0 1688 1	PLX 5	269	0 1780 1	PSX 152-153	63
0 1483 1	J SX 43-45-57 (3)	29	0 1689 1	PLSX 5	51	0 1781 1	SVX 7	273
0 1484 1	J SX 50-55-56 (3)	29	0 1690 1	PLSX 3	51	0 1781 1	SVX 9	273
0 1485 1	J SX 51-52-59 (3)	30	0 1691 1	PLSX 4	51	0 1783 1	PSX 146-147 w/o. sprin	61
0 1486 1	J SX 51-52-63 (4)	30	0 1692 1	PLX 10	269	0 1785 1	HX 6 (2)	67
0 1487 1	J SX 61-62-63 (4)	30	0 1693 1	PLX 11	269	0 1786 1	HX 56 (2)	67
0 1490 1	J SX 70-71	31	0 1710 1	PX 50	272	0 1787 1	HX 346	69
0 1491 1	J SX 72-73 Denso P76	31	0 1712 1	PX 52-54	272	0 1788 1	HX 155	68
0 1492 1	J SX 74-75-76-77 P70	31	0 1715 1	PX 56	272	0 1789 1	HX 172	69
0 1522 1	FX 74-78	32	0 1717 1	PX 58	272	0 1790 1	HX 116	68
0 1523 1	FX 76-77	33	0 1719 1	PX 60	272	0 1791 1	HX 124	68
0 1524 1	FX 75	32	0 1720 1	PX 61	273	0 1792 1	HX 341	69
0 1526 1	FX 67	260	0 1726 1	PSX 156 (4)	63	0 1793 1	HX 54	67
0 1527 1	FX 70-71	32	0 1727 1	PSX 155 (3)	63	0 1794 1	HX 16	67
0 1528 1	FX 70-72	32	0 1728 1	PSX 155 (4)	63	0 1795 1	HX 3	67
0 1529 1	FX 73	32	0 1735 1	PSX 160-164 D7G c/w	64	0 1796 1	HX 26	67
0 1530 1	FX 74	32	0 1737 1	PSX 161	64	0 1797 1	HX 109	68
0 1532 1	IKSX 2-3	39	0 1738 1	PSX 55-76	58	0 1798 1	HX 106	68
0 1534 1	IKSX 5-6	39	0 1741 1	PSX 64-70 (2)	58	0 1799 1	HX 161	68
0 1535 1	IKSX 7	39	0 1743 1	PSX 166-167	64	0 1800 1	HPIX 1 mot. directio	70
0 1537 1	IKSX 10-11	39	0 1744 1	PSX 168-167	64	0 1899 1	JA-AX 10	256
0 1538 1	IKSX 12	39	0 1745 1	PSX 169-170	64	0 1900 1	JA-AX 9	256
0 1550 1	L AX 9	264	0 1746 1	PSX 81-82	58	0 1901 1	JA-AX 12	261
0 1553 1	L AX 23	264	0 1747 1	PSX 89-90	59	0 1902 1	JA-AX 16	267
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0 1573 1	L AX 86	265	0 1756 1	PSX 88	58	0 1906 1	JA-AX 19	261
0 1608 1	L ASX 15-16	40	0 1757 1	PSX 115-116	59	0 1907 1	JA-AX 5-8	256
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0 1613 1	L ASX 30-31-32	40	0 1760 1	PSX 119-120	59	0 1910 1	JA-AX 24	267
0 1614 1	L ASX 31	40	0 1763 1	PSX 133 K	60	0 1911 1	JA-AX 18	267
0 1615 1	L ASX 36	40	0 1766 1	PSX 129	59			
0 1617 1	L ASX 40-41	40						

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0 1911 1	JA-AX 25	267	0 1974 1	JA-SX 74-75	37
0 1912 1	JA-AX 32	262	0 1975 1	JA-SX 74	37
0 1913 1	JA-AX 33	257	0 1976 1	JA-SX 68-73	46
0 1914 1	JA-AX 34	268	0 1977 1	JA-SX 77-78	22
0 1915 1	JA-AX 35	257	0 1978 1	JA-SX 26-27	34
0 1916 1	JA-AX 36	268	0 1979 1	JA-SX 24-25	50
0 1917 1	JA-AX 28	256	0 1981 1	JA-SX 82-83 (3)	47
0 1918 1	JA-AX 37	262	0 1982 1	JA-SX 80-81	37
0 1919 1	JA-AX 38	257	0 1983 1	JA-SX 82-83 (4)	48
0 1920 1	JA-AX 39	263	0 1984 1	JA-SX 84	23
0 1934 1	JA-SX 34-30	34	0 1985 1	JA-SX 85	23
0 1935 1	JA-SX 35	21	0 1986 1	JA-SX 86-87	23
0 1936 1	JA-SX 38	45	0 1988 1	JA-SX 88	24
0 1937 1	JA-SX 36-37	34	0 1989 1	JA-SX 90	48
0 1938 1	JA-SX 39	21	0 1990 1	JA-SX 91	48
0 1939 1	JA-SX 39 C	22	0 1991 1	JA-SX 89	24
0 1940 1	JA-SX 14 (4)	21	0 1992 1	JA-SX 92-93 12V	37
0 1941 1	JA-SX 44-28	45	0 1993 1	JA-SX 94-95 24V	38
0 1942 1	JA-SX 15-6 (4)	34	0 1994 1	JA-SX 98-99 12V	48
0 1943 1	JA-SX 1	71	0 1995 1	JA-SX 96-97 24V	48
0 1945 1	JA-SX 22 (4)	21			
0 1946 1	JA-SX 2	71			
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0 1973 1	JA-SX 71	47			