

## Zf 16s 221 Od 1316 051 350 2009 Spare Parts Catalog

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# Spare Parts Catalog

16 S 221

Material number: 1316.051.350



Pos.	Information	Amendment number
001	Use case -----	
002	Customer IVECO MAGIRUS AG	
003	City Neu-Ulm	
004	DUNS 31-561-9072	
005	Vehicle / Apparatus -----	
006	Sales Name SPR	
007	Manufacturer IVECO MAGIRUS AG	
008	Engineering Name	
009	Product Use TRUCK	
010	Vehicle/Hardware Type ROAD TRACTOR	
011	SOP	
012	Engine	
013	Sales Designation	
014	Manufacturer FIAT GES.CO S.P.A	
015	Eng.Displ.	
016	Cylinder	
017	Nom. power 375 kW	
018	RPM at nom. power 1900 1/min	
019	Nom. torque 2200 Nm	
020	RPM at nom. torque 1100 1/min	
021	Classification use case -----	
024	TOTAL NUMBER OF GEARS 6	
025	NUMBER OF DRIVING GEARS 4	
026	DYNAMIC TYRE RADIUS 446 mm	
027	REAR AXLE RATIO 2,93	
028	MAXIMUM SPEED 110 km/h	
031	PERMISS.GROSS VEHICLE WEIGHT 26 t	
032	PERMISS.GROSS COMBIN.WEIGHT 60 t	
033	Product description -----	
034	INSTALLATION POS TRANSMISSION HORIZONTAL LEFT	



Pos.	Information	Amendment number
035	TRANSMISSION ATTACHMENT FLANGE-MOUNTED	
036	RATIO, BOTTOM GEAR 13,86	
037	RATIO, TOP GEAR ,84	
038	SET OF RATIOS SG	
039	RATIO, 1ST GEAR 13,86	
040	RATIO, 3RD GEAR 9,52	
041	RATIO, 5TH GEAR 6,56	
042	RATIO, 7TH GEAR 4,58	
043	RATIO, 9TH GEAR 3,02	
044	RATIO, 11TH GEAR 2,08	
045	RATIO, 13TH GEAR 1,43	
046	RATIO, 15TH GEAR 1	
047	RATIO, 1ST GEAR REVERSE 12,97	
048	RATIO, 2ND GEAR 11,59	
049	RATIO, 4TH GEAR 7,96	
050	RATIO, 6TH GEAR 5,48	
051	RATIO, 8TH GEAR 3,83	
052	RATIO, 10TH GEAR 2,53	
053	RATIO, 12TH GEAR 1,74	
054	RATIO, 14TH GEAR 1,2	
055	RATIO, 16TH GEAR ,84	
056	RATIO, 2ND GEAR REVERSE 10,85	
057	UEBERSETZUNGSREIHE BASIS DG	
058	UEBERSETZUNG PLANETENSATZ 4,583	
059	NUMBER OF PLANETARY GEARS 5	
060	AUSF VERZAHNUNG PLANETENSATZ STRAIGHT SPUR GEAR	
061	DESIGN, SHIFT SYSTEM TURNING SHAFT	
062	POSITION, GEAR SHIFT SYSTEM HORIZONTAL RIGHT	
063	DESIGN, SHIFT PATTERN H-H	
064	VERSION ACTUATION SHIFT SYSTEM MECHANICAL	



Pos.	Information	Amendment number
065	AUSFUEHRUNG ROHR GP PLASTIC-FORM-PIPE	
068	HINWEIS ZU AUSF SCHALTUNG ADDITIONAL AIR SHUT-OFF VALVE	
069	VERSION SHIFT SUPPORT SERVO RIGHT	
070	AUSFUEHRUNG ROHR SERVO PLASTIC PIPING	
084	DESIGN, SEPARATING CLUTCH FULL-SYNCHRONIZED	
085	VERSION OF SYNCHRONIZER 1 1.-4.GEAR BK-SYNCHRONIZATION	
087	REFERENCE LENGTH INPUT SHAFT 117 mm	
088	DIAMETER, JOURNAL, INPUT SHAFT 25 mm	
089	STANDARD TYPE INPUT SHAFT SAE	
090	NUMBER OF WEDGES INPUT SHAFT 10	
091	TYPE FIT SPIGOTS INPUT SHAFT F7	
093	VERSION OF INPUT SHAFT FORM C	
094	DIAMETER SHAFT OF INPUT SHAFT 50,3 mm	
095	NOMINAL DIAMETER INPUT SHAFT 2 in	
096	BUSH VARIANT INPUT SHAFT WITHOUT GROOVE	
100	LENGTH, INPUT SHAFT 403,5 mm	
102	LENGTH, PROFILE, INPUT SHAFT 120 mm	
103	AUSF LAGERUNG KONSTANTE 1 GL	
104	D-LAGER ANTRIEBSWELLE 99,916 mm	
105	PASSUNGSART LAGER ANTR.WELLE H5	
106	VER. BEAR. SPIGOTS INPUT SHAFT TAPER ROLLER	
107	DESIGN,CONN., CLUTCH HOUSING SAE 1	
120	DIAMETER, RELEASE FLANGE 62,611 mm	
122	DESIGN BEARING OUTPUT STANDARD SUSPENSION	
123	OUTER DIA. OUTPUT FLANGE RA 180 mm	
126	NUMBER OF OUTPUT FL. BORES HA1 4	
127	BORE DIA. OUTPUT FLANGE RA 15 mm	
130	REF. LENGTH OUTPUT FLANGE RA 211,5 mm	
138	LAGE ANFL.FLAECHE GEHAEUSE2 WITHOUT GROOVE	
139	DIMENSION SHIFT TURRET DIST. 306 mm	



Pos.	Information	Amendment number
140	MEAS. LOC. SHIFT TURRET DIST. SHIFT LEVER-LOCATION	
158	SPRING ARRANGEMENT Q3	
159	SPRING FORCE PAWL STOP R-GEAR 60 N	
162	HUMP SPRING FORCE, OUTSIDE 120 N	
165	ANORDNUNG RASTENHEBELAUSFUEHRG A	
168	SELECTOR SPRING FORCE, OUTSIDE 35 N	
169	SELECTOR SPRING FORCE, INSIDE 26 N	
171	FEDERKRAFT AUSSEN RASTE NG 200 N	
172	SELECTION PATTERN VARIANT GEAR SHIFT PATTERN 1	
184	SWITCH, REVERSE GEAR y	
185	DESIGN, RG (REV.GEAR) SWITCH CLOSING	
186	NOTE ON SWITCH, REVERSE GEAR G.SHIFT SHAFT	
187	PROT. CAP SWITCH, REVERSE GEAR y	
188	DESIGN, CONNECTION, RG SWITCH DIN BAYONET	
190	SWITCH, NEUTRAL GEAR y	
191	DESIGN,NG(NEUTRAL GEAR)SWITCH OPENING SWITCH	
192	PROT.CAP SWITCH, NEUTRAL GEAR y	
193	DESIGN, CONNECTION, NG SWITCH DIN BAYONET	
200	FUNKTION GP-SCHALTER GP	
201	DESIGN, GP SWITCH CLOSING	
203	PROTECTING CAP R/C SWITCH y	
204	DESIGN, CONNECTION, GP SWITCH DIN BAYONET	
226	FUNKTION GV-SCHALTER GV	
227	DESIGN, GV SWITCH PREPARED	
228	REF.LENGTH,RELEASE BEAR.FLAN -3 mm	
229	PROTECTING CAP S/G SWITCH n	
232	ATTACHM. POS., HEAT EXCHANGER IN FRONT LEFT PREPARED	
234	VER. TRANSMISSION VENTILATION BREATHER	
248	AUSFUEHRUNG KUPPLUNGSGEHAEUSE INTEGRATED	
251	ASSEMBLY POS. CLUTCH CYLINDER 6	

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Pos.	Information	Amendment number
258	NO. PULSES PULSE SENSOR SFAH68 6 IMP/U	
261	VERSION PULSE SENSOR SFA H68 WITHOUT GROOVE	
264	PROT. CAP PULSE SENSOR SFA H68 n	
271	NO PULSES PULSE SENSOR TM H70 6 IMP/U	
272	VER. PULSE SENSOR TRANSM. H70 WITHOUT GROOVE	
273	PROT. CAP PULSE SENSOR TM H70 n	
274	ASSEMBLY POS PULSE SENSOR H70 1	
275	NOTE ASS. POS PULSE SENSOR H70 INSTALLATION DRAWING	
338	AUSFUEHRUNG PTO K62 N 221 PL	
340	ZAEHNEZAHL PTO ANTR.RAD Z1 K62 85	
341	ZAEHNEZAHL PTO ZW.RAD Z2 K62 67	
343	LAGE PTO K62 TOP	
344	ABTR.DREHZAHL PTO K62 1,85	
345	AUSF SCHALTUNG LENKPUMPE K62 PERMANENTLY ENGAGED	
346	AUSF VERSCHL ANSCHLUSS LP K62 COVER	
347	AUSFUEHRUNG LENKPUMPE K62 8605/8607	
348	LIEFERUMFANG LENKPUMPE K62 WITHOUT GROOVE	
350	HINWEIS ZU OELBEFUELLUNG FILL IN OVERFLOW	
351	POSITION, OIL FILLER HOUSING LEFT+RIGHT	
352	MONTAGEHINWEIS ABSCHALTVENTIL CUT-OFF VALVE	
353	AUSF LUFTANSCHL ABSCHALTVENTIL F	
354	DESIGN, THROTTLE, CUT-OFF VALVE D=1.55	
355	OIL CAPACITY, GEARBOX 13 dm3	
356	OELBEFUELLUNGSVARIANTE EX WORKS	
357	OIL GRADE PERMISSIBLE ACC. TO TE-ML02	
358	OELKLASSE C	
359	COLOR BLACK-GREY	
360	COLOUR CLASSIFICATION ACC. TO RAL 7021	
362	INFO TO PAINTING INSTRUCTIONS	
363	CODING OUTER CONSERVATION KA1	