

Zf 9s1110 Spare Parts Catalog

Full download: <http://manualplace.com/download/zf-9s1110-spare-parts-catalog/>



Spare Parts Catalog

9 S 1110 TO
FORCE MOTORS LTD

Material number: 1324.003.048



Pos.	Information	Amendment number
001	Use case -----	
002	Customer Force Motors Limited	
003	City Pune	
004	DUNS 65-005-7847	
005	Vehicle / Apparatus -----	
006	Sales Name TRACTOR	
007	Manufacturer Force Motors Limited	
008	Engineering Name	
009	Product Use TRUCK	
010	Vehicle/Hardware Type ROAD TRACTOR	
011	SOP	
012	Engine	
013	Sales Designation	
014	Manufacturer MAN	
015	Eng.Displ.	
016	Cylinder	
017	Nom. power 206 kW	
018	RPM at nom. power 2400 1/min	
019	Nom. torque 1100 Nm	
020	RPM at nom. torque 1700 1/min	
021	Classification use case -----	
022	DESIGNATION, CLUTCH MFZ430	
023	MANUFACTURER, CLUTCH ZF-SACHS	
024	TOTAL NUMBER OF GEARS 4	
025	NUMBER OF DRIVING GEARS 2	
026	DYNAMIC TYRE RADIUS 508 mm	
027	REAR AXLE RATIO 6,73	
032	PERMISS.GROSS COMBIN.WEIGHT 40 t	
033	APPROVAL NOTE 1 ERSTEINBAU*UEBERPRUEFG.DURCHGEFUEHRT	
034	Product description -----	



Pos.	Information	Amendment number
035	INSTALLATION POS TRANSMISSION HORIZONTAL LEFT	
036	TRANSMISSION ATTACHMENT FLANGE-MOUNTED	
037	RATIO, BOTTOM GEAR 9,48	
038	RATIO, TOP GEAR ,75	
039	SET OF RATIOS TO	
040	RATIO, 1ST GEAR 9,48	
041	RATIO, 2ND GEAR 6,58	
042	RATIO, 3RD GEAR 4,68	
043	RATIO, 4TH GEAR 3,48	
044	RATIO, 5TH GEAR 2,62	
045	RATIO, 6TH GEAR 1,89	
046	RATIO, 7TH GEAR 1,35	
047	RATIO, 8TH GEAR 1	
048	RATIO, 9TH GEAR ,75	
049	RATIO, 1ST GEAR REVERSE 8,97	
050	UEBERSETZUNG PLANETENSATZ 3,48	
051	NUMBER OF PLANETARY GEARS 4	
052	DESIGN, SHIFT SYSTEM TURNING SHAFT	
053	POSITION, GEAR SHIFT SYSTEM HORIZONTAL RIGHT	
056	AUSFUEHRUNG ROHR GP PLASTIC PIPING	
059	DESIGN, SEPARATING CLUTCH FULL-SYNCHRONIZED	
060	REFERENCE LENGTH INPUT SHAFT 286 mm	
061	STANDARD TYPE INPUT SHAFT SAE	
062	NUMBER OF WEDGES INPUT SHAFT 10	
063	VERSION OF INPUT SHAFT FORM C	
064	DIAMETER, JOURNAL, INPUT SHAFT 25 mm	
065	NOMINAL DIAMETER INPUT SHAFT 1,75 in	
066	TYPE FIT SPIGOTS INPUT SHAFT F7	
067	DIAMETER SHAFT OF INPUT SHAFT 44 mm	
068	BUSH VARIANT INPUT SHAFT WITHOUT GROOVE	



Pos.	Information	Amendment number
072	DESIGN,CONN., CLUTCH HOUSING SAE 1	
076	DIAMETER, RELEASE FLANGE 60 mm	
077	DICHTKAPPE AUSTRUECKLAGERFL y	
078	TYPE FIT RELEASE BEARING FLA. E8	
079	DESIGN BEARING OUTPUT STANDARD SUSPENSION	
080	OUTER DIA. OUTPUT FLANGE RA 180 mm	
082	NO.OF BORES OUTPUT FLANGE HA1 4	
083	BORE DIA. OUTPUT FLANGE RA 15 mm	
085	REF. LENGTH OUTPUT FLANGE RA 103 mm	
088	DIMENSION SHIFT TURRET DIST. 249 mm	
089	MEAS. LOC. SHIFT TURRET DIST. SHIFT LEVER-LOCATION	
095	RADIUS 1 SHIFT LEVER 75 mm	
096	DESIGN, OFFSET, SHIFT LEVER INSIDE	
097	LOCATION GEAR SHIFT LEVER TAPER OUTSIDE	
100	LEVER POSITION SHIFTING OUTPUT A	
105	SPRING ARRANGEMENT Q1	
106	TOOLING SET OF SPRINGS W302	
109	SPRING FORCE,GEAR DETENT NG+GG 200 N	
112	SELECTION PATTERN VARIANT GEAR SHIFT PATTERN 1	
113	SWITCH, REVERSE GEAR y	
114	NORMENART HOHLFLANSCH HEXAGON SCREW	
115	DESIGN, RG (REV.GEAR) SWITCH CLOSING	
116	NOTE ON SWITCH, REVERSE GEAR GEAR SHIFT RAIL	
117	PROT. CAP SWITCH, REVERSE GEAR y	
118	DESIGN, CONNECTION, RG SWITCH BAYONET+CABLE	
119	LENGTH CONNECTION RG-SWITCH 2000.000 mm	
120	SWITCH, NEUTRAL GEAR y	
121	DESIGN,NG(NEUTRAL GEAR)SWITCH OPENING SWITCH	
122	PROT.CAP SWITCH, NEUTRAL GEAR y	
123	DESIGN, CONNECTION, NG SWITCH BAYONET+CABLE	



Pos.	Information	Amendment number
124	LENGTH CONNECTION NG-SWITCH 2000.000 mm	
125	FUNKTION GP-SCHALTER GP	
126	DESIGN, GP SWITCH CLOSING	
127	PROTECTING CAP GP SWITCH y	
128	DESIGN, CONNECTION, GP SWITCH BAYONET+CABLE	
129	LAENGE ANSCHLUSS GP-SCHALTER 2000.000 mm	
130	ATTACHED AGRREGATES 1 WITHOUT WSK	
131	ATTACHM.POS.HEAT EXCHANGER WITHOUT GROOVE	
132	REF.LENGTH,RELEASE BEAR.FLAN 170 mm	
133	VER. TRANSMISSION VENTILATION BREATHER	
136	ATTACHMENT VARIANT, RETARDER WITHOUT GROOVE	
137	LENGTH CLUTCH HOUSING 174.000 mm	
139	TYPE OF RELEASE MECHANISM PULLED	
140	VERSION OF CLUTCH CYLINDER SERVO	
141	DIAMETER, CLUTCH CYLINDER 100.000 mm	
142	ASSEMBLY POS. CLUTCH CYLINDER 6	
144	LENGTH TAPPET CLUTCH CYLINDER 127.000 mm	
145	DESIGN LUBRI.CONN. REL.BEARING WITHOUT GROOVE	
146	THREAD DIA. MTG BOLT SUSPENSION M16	
149	THREAD PITCH SUSPENSION 2.000 mm	
151	DESIGN WEAR INDICATOR CLUTCH WITHOUT GROOVE	
152	DESIGN SWITCH CLUTCH PREPARED	
153	OUTER DIAMETER RELEASE BEARING 60.000 mm	
155	WRENCH SIZE, RELEASE FORK 128.000 mm	
156	LENGTH, RELEASE BEARING 82.000 mm	
158	DESIGN PULSE SENSOR INPUT WITHOUT GROOVE	
159	PROT.CAP PULSE SENSOR INPUT n	
160	NO. PULSES PULSE SENSOR SFAH68 8 IMP/U	
162	VERSION PULSE SENSOR SFA H68 WITH	
164	PROT. CAP PULSE SENSOR SFA H68 y	



Pos.	Information	Amendment number
167	CABLE LENGTH PULSE SENSOR SFA H68 10000.000 mm	
168	DESIG,CONN,PULSE SENS. SFA H68 DIN BAYONET	
178	HINWEIS ZU OELBEFUELLUNG FILL IN OVERFLOW	
179	POSITION, OIL FILLER HOUSING, LH SIDE	
180	OIL CAPACITY, GEARBOX 8,8 dm3	
182	OIL GRADE PERMISSIBLE ACC. TO TE-ML02	
184	COLOR NOT	
185	COLOUR CLASSIFICATION ACC. TO RAL	
186	PAINTING, ZF STANDARD	
187	CODING OUTER CONSERVATION KA2	
188	SCOPE OUTER CONSERVATION T	
189	CODING INNER CONSERVATION KI1	
190	CONSERVATION SPECIFICATION ZFN 916	
191	CODIERUNG STOPFENANZAHL	
192	Documents -----	
193	Checkliste_CKD Text-document 1324.199.003	
194	TURN.SHAFT CONT Drawing 1324.149.004	
195	TURN.SHAFT CONT Assembly 1324.149.004	
196	9-SPEED GEARBOX Drawing 1324.001.042	
197	9-SPEED GEARBOX Assembly 1324.001.042	
198	GEARSHIFT SYST. Drawing 1324.172.010	
199	GEARSHIFT SYST. Assembly 1324.172.010	
200	9-GANG-GETRIEBE Drawing 1324.603.025	
201	9-GANG-GETRIEBE Assembly 1324.603.025	