



КПП ZF

16S 1820 TO(16S 1820TO, 16S1820TO)

1341 002 073 (1341002073)

KAMAZ

Каталог запчастей

Ficha de datos técnicos

Página 1 desde/de 6

Referencia del material: 1341.002.0736 S 1820 TO / KAMAZ PUBLIC JOINT STOCK COMPANY



Pos.	Informaciones	No. mod.
001	Use case -----	
002	Customer KAMAZ PUBLIC JOINT STOCK COMPANY	
003	City Naberezhnye Chelny	
004	DUNS 64-493-2113	
005	Vehicle / Apparatus -----	
006	Sales Name KAMAZ 6520	
007	Manufacturer KAMAZ PUBLIC JOINT STOCK COMPANY	
008	Engineering Name	
009	Product Use TRUCK	
010	Vehicle/Hardware Type DUMPER	
011	SOP	
012	Engine	
013	Sales Name	
014	Manufacturer KAMAZ PUBLIC JOINT STOCK COMPANY	
015	Eng.Displ.	
016	Cylinder	
017	Nom. power 265 kW	
018	RPM at nom. power 2200 1/min	
019	Nom. torque 1430 Nm	
020	RPM at nom. torque 1300 1/min	
021	Classification use case -----	
022	DESIGNATION, CLUTCH MFZ430	
023	MANUFACTURER, CLUTCH ZF-SACHS	
024	TOTAL NUMBER OF GEARS 6	
025	NUMBER OF DRIVING GEARS 4	
026	DYNAMIC TYRE RADIUS 546 mm	
027	REAR AXLE RATIO 6.33	
031	PERMISS.GROSS VEHICLE WEIGHT 33 t	
033	Product description -----	
034	INSTALLATION POS TRANSMISSION HORIZONTAL LEFT	
035	TRANSMISSION ATTACHMENT FLANGE-MOUNTED	
036	RATIO, BOTTOM GEAR 13.8	



Pos.	Informaciones	No. mod.
037	RATIO, TOP GEAR .84	
038	RATIO, 1ST GEAR 13.8	
039	RATIO, 2ND GEAR 11.54	
040	RATIO, 3RD GEAR 9.49	
041	RATIO, 4TH GEAR 7.93	
042	RATIO, 5TH GEAR 6.53	
043	RATIO, 6TH GEAR 5.46	
044	RATIO, 7TH GEAR 4.57	
045	RATIO, 8TH GEAR 3.82	
046	RATIO, 9TH GEAR 3.02	
047	RATIO, 10TH GEAR 2.53	
048	RATIO, 11TH GEAR 2.08	
049	RATIO, 12TH GEAR 1.74	
050	RATIO, 13TH GEAR 1.43	
051	RATIO, 14TH GEAR 1.2	
052	RATIO, 15TH GEAR 1	
053	RATIO, 16TH GEAR .84	
054	RATIO, 1ST GEAR REVERSE 12.92	
055	RATIO, 2ND GEAR REVERSE 10.8	
056	SET OF RATIOS SG	
057	UEBERSETZUNGSREIHE BASIS DG	
058	NUMBER OF PLANETARY GEARS 5	
059	UEBERSETZUNG PLANETENSATZ 4.565	
060	AUSF VERZAHNUNG PLANETENSATZ OBLIQUE TOOTHING	
061	DESIGN, SHIFT SYSTEM TURNING SHAFT	
062	POSITION, GEAR SHIFT SYSTEM HORIZONTAL LEFT	
063	DESIGN, SHIFT PATTERN H-H	
064	VERSION SHIFT SUPPORT WITHOUT	
065	VERSION ACTUATION SHIFT SYSTEM MECHANICAL	
068	AUSFUEHRUNG ROHR GP PLASTIC-FORM-PIPE	
069	AUSFUEHRUNG ROHR SERVO WITHOUT PIPING	
071	AUSF RUECKSCHALTG GASSENSPERRE WITHOUT	



Pos.	Informaciones	No. mod.
072	AUSFUEHRUNG ROHR GASSENSPERRE WITHOUT PIPING	
073	1.KUNDENSPEZIFIKATION SCHALTNG WITHOUT	
074	2.KUNDENSPEZIFIKATION SCHALTNG WITHOUT	
075	DIA THROTTLE MAIN CUTOFF VALVE 1.55 mm	
076	NO. TAPPETS MAIN CUTOFF VALVE 2	
077	POS. AIR CON MAIN CUTOFF VALVE F	
080	SELECTION PATTERN VARIANT GEAR SHIFT PATTERN 1	
081	DESIGN, SEPARATING CLUTCH FULL-SYNCHRONIZED	
082	VERSION OF SYNCHRONIZER 1 1.+2.GEAR DK-SYNCHRONIZATION	
083	VERSION OF SYNCHRONIZER 2 3.+4.GEAR BK-SYNCHRONIZATION	
084	REFERENCE LENGTH INPUT SHAFT 109 mm	
085	STANDARD TYPE INPUT SHAFT SAE	
086	NUMBER OF WEDGES INPUT SHAFT 10	
087	VERSION OF INPUT SHAFT FORM C	
088	NOMINAL DIAMETER INPUT SHAFT 2 in	
089	DIAMETER, JOURNAL, INPUT SHAFT 25 mm	
090	TYPE FIT SPIGOTS INPUT SHAFT F7	
091	VER. BEAR. SPIGOTS INPUT SHAFT RULLO CONICO	
092	LENGTH, INPUT SHAFT 382.5 mm	
093	DIAMETER SHAFT OF INPUT SHAFT 50.3 mm	
094	LENGTH, PROFILE, INPUT SHAFT 120 mm	
095	BUSH VARIANT INPUT SHAFT WITHOUT	
096	AUSF LAGERUNG KONSTANTE 1 GL	
097	D-LAGER ANTRIEBSWELLE 99.916 mm	
098	PASSUNGSART LAGER ANTR.WELLE H5	
099	DESIGN,CONN., CLUTCH HOUSING SAE 1	
100	CENTR.DIA,HSG/ENGINE CONNECT. 511.175 mm	
101	NUMBER OF BORES,ENGINE CONN. 12	
102	BORE DIA, ENGINE CONNECTION 11 mm	
104	AUSFUEHRUNG KUPPLUNGSGEHAEUSE INTEGRATED	
106	VERSION ENGINE CONNECTION NOT FORDABLE	
107	LAGE ANFL.FLAECHE GEHAEUSE2 WITHOUT	



Pos.	Informaciones	No. mod.
108	LAENGE SPANNLAPPEN RE MOTANSCH 292 mm	
113	TYPE OF RELEASE MECHANISM WITH	
114	REF.LENGTH,RELEASE BEAR.FLAN -7 mm	
115	DIAMETER, RELEASE FLANGE 60 mm	
116	TYPE FIT RELEASE BEARING FLA. F8	
117	D-LAGERBUCHSE AUSRUECKUNG LI 35 mm	
119	VERSION OF CLUTCH CYLINDER WITH	
120	ASSEMBLY POS. CLUTCH CYLINDER 6	
121	OUTER DIA. OUTPUT FLANGE RA 180 mm	
123	NO.OF SCREWS OUTPUT FLANGE RA 4	
125	DIA. THREAD OUTPUT FL. SCR. RA M14	
126	THREAD PITCH OUTPUT FL SCR. RA 1.5 mm	
127	THREAD LENGTH OUTP.FL SCREW RA 50 mm	
129	REF. LENGTH OUTPUT FLANGE RA 211.5 mm	
130	DIMENSION SHIFT TURRET DIST. 256 mm	
131	MEAS. LOC. SHIFT TURRET DIST. SHIFT LEVER-LOCATION	
139	SHIFT LEVER CONNECTION KNURLING	
145	DESIGN, SHIFT PATTERN D6	
146	GRIFF-FORM HANDSCHALTHEBEL 1 1B	
147	AUSF BEFEST HANDSCHALTHEBEL 1 M10+WASHER	
148	HINWEIS PNEUMATIK VALVOLA	
149	SPRING ARRANGEMENT Q3	
150	SPRING FORCE DETENT PLUNGER RG 150 N	
151	HUMP SPRING FORCE, OUTSIDE 120 N	
152	HUMP SPRING FORCE, CENTRE 70 N	
154	SELECTOR SPRING FORCE, OUTSIDE 100 N	
155	SELECTOR SPRING FORCE, INSIDE 26 N	
156	SPRING FORCE,GEAR DETENT NG+GG 87 N	
157	FEDERKRAFT AUSSSEN RASTE NG 200 N	
158	ANORDNUNG RASTENHEBELAUSFUEHRG B	
159	SWITCH, REVERSE GEAR y	
160	DESIGN, RG (REV.GEAR) SWITCH CLOSING	



Pos.	Informaciones	No. mod.
161	DESIGN, CONNECTION, RG SWITCH DIN BAYONET	
162	CODE SWITCH RG A1	
163	PROT. CAP SWITCH, REVERSE GEAR y	
164	NOTE ON SWITCH, REVERSE GEAR ALBERO CAMBIO MARCIA	
165	SWITCH, NEUTRAL GEAR y	
166	DESIGN,NG(NEUTRAL GEAR)SWITCH OPENING SWITCH	
167	DESIGN, CONNECTION, NG SWITCH DIN BAYONET	
168	CODE SWITCH NG A1	
169	PROT.CAP SWITCH, NEUTRAL GEAR y	
190	FUNKTION GP-SCHALTER GP	
191	DESIGN, GP SWITCH CLOSING	
192	DESIGN, CONNECTION, GP SWITCH DIN BAYONET	
194	PROTECTING CAP GP SWITCH y	
195	FUNKTION GV-SCHALTER GV	
196	DESIGN, GV SWITCH PREPARED	
199	PROTECTING CAP GV SWITCH n	
231	ATTACHM.POS.HEAT EXCHANGER IN FRONT LEFT PREPARED	
232	VER. TRANSMISSION VENTILATION SFIATO	
243	DESIGN PULSE SENSOR SFI H68 WITH	
244	DESIG,CONN,PULSE SENS. SFI H68 DIN BAYONET	
245	PROT.CAP PULSE SENSOR SFI H68 y	
246	NO.OF PULSES PULSE SENSOR SFI H68 6 IMP/U	
247	VER. PULSE SENSOR TRANSM. H70 WITHOUT	
251	PROT. CAP PULSE SENSOR TM H70 n	
252	NO PULSES PULSE SENSOR TM H70 6 IMP/U	
253	ASSEMBLY POS PULSE SENSOR H70 1	
254	NOTE ASS. POS PULSE SENSOR H70 INSTALLATION DRAWING	
266	POSITION, OIL FILLER HOUSING LEFT+RIGHT	
267	HINWEIS ZU OELBEFUELLUNG FILL IN OVERFLOW	
268	OIL CAPACITY, GEARBOX 11 dm3	
269	OIL FILL VARIANT EX WORKS	
270	OIL GRADE PERMISSIBLE ACC. TO TE-ML02	



Pos.	Informaciones	No. mod.
271	OIL CLASS FIRST FILLING B	
272	CODING OUTER CONSERVATION KA1	
273	SCOPE OUTER CONSERVATION T	
274	CODING INNER CONSERVATION KI1	
275	CONSERVATION SPECIFICATION ZFN 916	
276	COLORE JET BLACK	
277	COLOUR CLASSIFICATION ACC. TO RAL 9005	
278	PAINTING, ZF STANDARD 915 W	
279	Documents -----	
280	Checkliste_CKD Text-document 1341.199.010	
281	Drawing 1315.051.503	
282	PROTEZIONE Drawing 1315.192.100	
283	CAMBIO 16 RAPP. Drawing 1341.601.008	
284	CAMBIO 16 RAPP. Assembly 1341.601.008	
285	Drawing 1316.101.035	
286	COMAND.ALB.ROT. Drawing 1316.173.100	
287	Drawing 1315.051.200	



Lámina con figura	Pos.	Referencia del material	Denominación	VKF	No. mod.	Intr. mod.	Número de fabricación	Características del material/ Información técnica	ID
068.01.05-1	110	1315.101.123	CARTER CAJCAMB	1		00.00.0000		DG/SG-KK*W I *FL.OHNE	3
068.01.05-1	120	1315.101.977	CARTER CAJCAMB	1		00.00.0000		DG/SG-KK *STANDARD	3
068.02.02-1	140	1315.102.429	PLACA DE ENSAMBLE	1		00.00.0000		L- 7*D60F8 *AUSR-GELENK *GETR *DAEWOO	3
068.02.02-1	150	1315.102.811	EJE DE ENTRADA	1		00.00.0000		A-PLATTE GETR*GEH.6KT-SCHR	3
068.02.02-1	910	1315.102.055	EJE DE ENTRADA	1		00.00.0000		SG-KK *L109*GL100*ZAPF.25	3
068.03.01-1	180	1316.103.803	EJE INTERMEDIO	1		00.00.0000		PUMPE GETR*GEH.1 6KT-SCHR	3
068.03.01-1	920	1315.103.019	EJE INTERMEDIO	1		00.00.0000		16S151*SG-KK*LAGER 43,6 *ZW-PROFIL	3
068.04.12-1	930	1315.104.027	EJE PRINCIPAL	1		00.00.0000		16S151*SG-KK+DG NEUES K.K *GP-SV*HS45	3
068.06.01-1	230	1315.106.008	MANDO	1		00.00.0000		WL*W I	3
068.06.01-1	234	1315.106.422	ELEMENTOS DE EMPALME	1		00.00.0000		GEH.2 W I RG/HG-VERSCHL	3
068.06.01-1	238	1315.106.800	MANDO	1		00.00.0000		GLEITSTEINE 1-4GANG *SCHALTSCHIENE VERSTIFTET	3
068.07.20-1	292	1316.108.803	CARTER DE MANDO	1		00.00.0000		WL/WR*H-H	3
068.07.20-1	910	1316.108.005	CARCASA	1		00.00.0000		WL*NG-RASTE 200N	3
068.07.20-1	914	1316.108.402	EJE DE CAMBIO DE MARCHAS	1		00.00.0000		WL*W I*256,0 *2-STANGENSCHLTG M10	3
068.07.20-1	924	1316.108.057	BLOQUEO	1		00.00.0000		WL/WR*SERVO*H-H*W I/WII *HEBEL AUSF.B*HF-120/ 70N	3
068.07.20-1	930	1316.108.816	TAPA	1		00.00.0000		WL/WR*W I*WII	3
068.08.20-1	946	1316.171.003	EXTENSION TOP COVER	1		00.00.0000		WL	3
068.08.20-1	950	1316.171.812	SHIFT TURRET	1		00.00.0000		WL/WR*WR	3
068.08.20-1	954	1316.171.401	TAPA DE CIERRE	1		00.00.0000		WL/WR	3
068.09.01-1	934	1316.109.036	ELEMENTOS DE EMPALME	1		00.00.0000		HASV 2-ST*D=1,55 INTEGR. *RG-RASTE 150N*WL/WR	3
068.09.01-1	940	1316.109.437	ELEMENTOS DE EMPALME	1		00.00.0000		WL/WR*NG-OEFF*RG-SCHL *BAJO*GG-RASTE 87N	3
068.12.02-1	920	1316.149.028	GRUPO DE MUELLES	1		00.00.0000		WL/WR*Q2/Q3*WF100*I=26N	3
068.40.03-1	500	1315.112.014	MANDO GRMULT	1		00.00.0000		235N*GV-LAG.GEH.1*KURZ	3

VKF Cantidad

KZ Identificación (código)



Lámina con figura	Pos.	Referencia del material	Denominación	VKF	No. mod.	Intr. mod.	Número de fabricación	Características del material/ Información técnica	ID
068.40.03-1	502	1315.112.405	ELEMENTOS DE EMPALME	1		00.00.0000		SG*GV-VORB	3
068.43.02-1	10	1315.131.047	TAPA	1	C01008929B10	00.00.0000		ABTR*L=52*GDAL *ECO II/III	3
068.43.02-1	20	1315.131.050	CARTER GRRED	1	C01008929B10	00.00.0000		16S151/221*SOLO*ET *O.GP-LUFTKANAL	3
068.43.02-1	30	1315.131.400	PIEZAS DE CIERRE	1		00.00.0000		NA-OEFFNUNG	3
068.43.02-1	512	1315.131.805	CARTER GRRED	1		00.00.0000			3
068.43.02-1	516	1315.131.412	ELEMENTOS DE EMPALME	1		00.00.0000		IMPULSGEBER ET H68 *BAJONETT*E-TACHO-SEITL	3
068.44.07-1	40	1315.132.015	REDUCTOR PLANETARIOS	1		00.00.0000		4,565*GP-SV*FL.PROF.90	3
068.44.07-1	50	1316.132.403	REDUCTOR PLANETARIOS	1		00.00.0000		180*4XM14X1,5X50*L=211,5	3
068.45.04-1	70	1316.133.008	SINCRONIZACION	1		00.00.0000		MOLYB*FL-PROFIL 90*E/Z6-V *GP-SV*16S151/221	3
068.45.04-1	80	1315.133.405	SINCRONIZACION	1	C01001743F10	00.00.0000		FL-PROFIL 80 GV-GP 16 S151*FL-PROFIL 90 SV-GP 16 S151-251	3
068.46.03-1	90	1315.134.015	MANDO GRRED	1	C01001743F10	00.00.0000		SCHIENE KURZ*GP-ANZ.SCHLT	3
068.46.03-1	554	1315.134.413	ELEMENTOS DE EMPALME	1		00.00.0000		145N*GP-SCHL*BAJONETT *GV-LAG	3
068.57.04-1	390	1315.145.004	CAMBIO DE GRUPO	1		00.00.0000		16S151 *VORGEFORMTE ROHRE	3
068.93.07	130	1315.168.019	DESEMBRAGUE	1		00.00.0000		AUSR-GELENK*SW= 78*LB=90 *MAN	3
068.93.07	132	1315.168.412	DESEMBRAGUE	1		00.00.0000		ZYL*STOESSEL L=145 *D=100*HUB=75	3
068.93.07	136	1315.168.800	DESEMBRAGUE	1		00.00.0000		6KT.SCHR.	3

VKF Cantidad

KZ Identificación (código)

























































