

BALKANSKO ECHO

SPARE PARTS CATALOGUE

**Electric hoist
Type T (8 and 12,5t)**



Table of contents:

GUIDE TO THE CATALOGUE	3
Group 1– SPEED REDUSER	4
Group 2 – BODY WITH RELEASING SYSTEM	7
Group 3 – ELASTIC CLUTCH	9
Group 4 – ROPEGUIDING	9
Group 5 – DRUM.....	10
Group 6 – HOOK	12
Group 7 – HOISTING MOTOR	13
Group 8 – CONTROL BLOCK	16
Group 9 – RIGID MOUNTED TROLLEY	18
Group 10 – ELECTRIC MOTOR FOR TROLLEY	20
10.2. Electric motor for trolley with brake V=20m/min; V=32m/min	21

GUIDE TO THE CATALOGUE

This Parts Catalogue comprises all the parts incorporated in the construction of the electric hoists type T with load capacities of 8000 and 12 500kg. The catalogue is divided into ten groups for facility's sake .

The illustration and texts are arranged in conformity with the functional designation of the components as well with their assembly sequence. This way of arrangements greatly facilitates the ordering of spare parts, and besides that shows the sequence to be followed when dismantling or reassembling the hoist.

The numbers of figures are given in the first column of the tables. The item references Pos. of the spare parts on the break-down illustrations correspond to the item numbers in the second column, against which the parts denomination and conventional symbol, the number of pieces required for the group, the hoisting height of the hoist into which the given part is incorporated and the catalogue number for the respective load capacity are quoted.

For the parts equal for electric hoists of different hoisting height, the column "Hoisting height" is left blank.

Each spare parts order must contain the following data:

1. Type, factory number and year of production of the electric hoist as indicated on its nameplate.
2. Denomination and catalogue number of the part required.
3. The number of pieces required.
4. Type, voltage and frequency as indicated on the nameplate, for spare parts of the electric equipment.
5. Type of shipment required.
6. Address of recipient.

Complete groups or assemblies of the electric hoist can be supplied on request.

NOTE: *The manufacturer advises that the parts, the denominations and catalogue numbers of which are printed in italic type should be ordered as spare parts.*

For example, position 22 Shaft 162334 and the next.

All standard parts such as bolts, screws, nuts, spring washers, rings, split pins, etc. have been included in the catalogue for convenience in the servicing of the electric hoist only. The manufacturer undertakes no obligations to supply them.

Group 1- SPEED REDUSER

1.1. Speed reducer for electric hoist with hoisting speed 8 m/min and creep speed 8/1,8 m/min

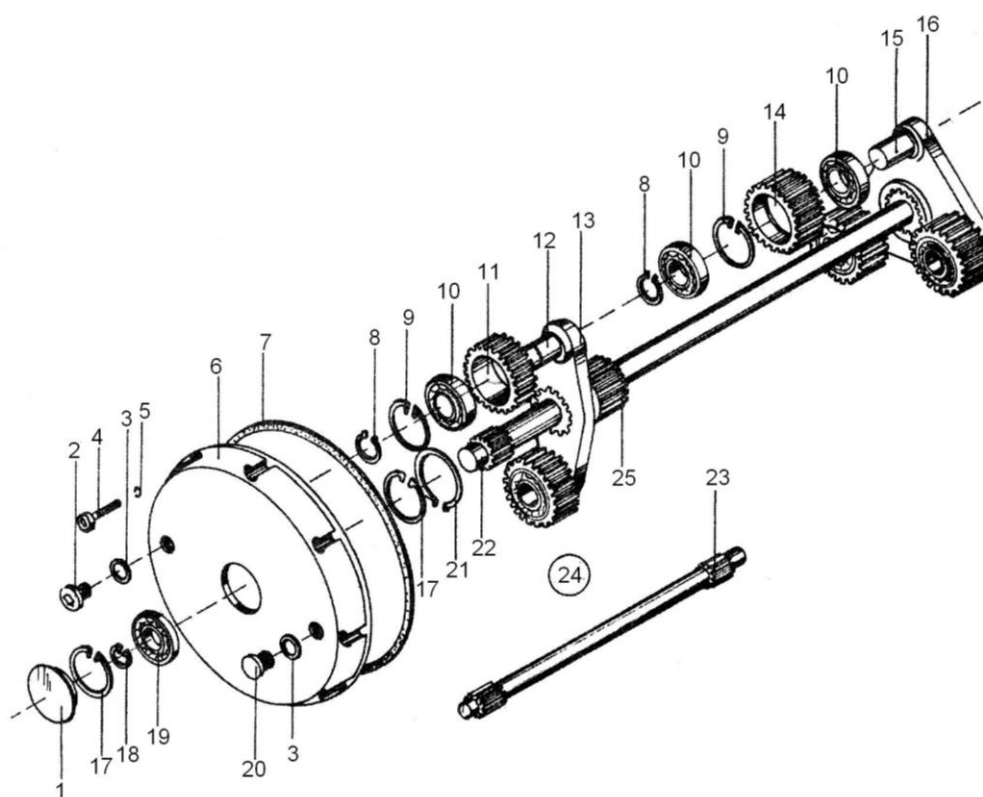


Fig. 1

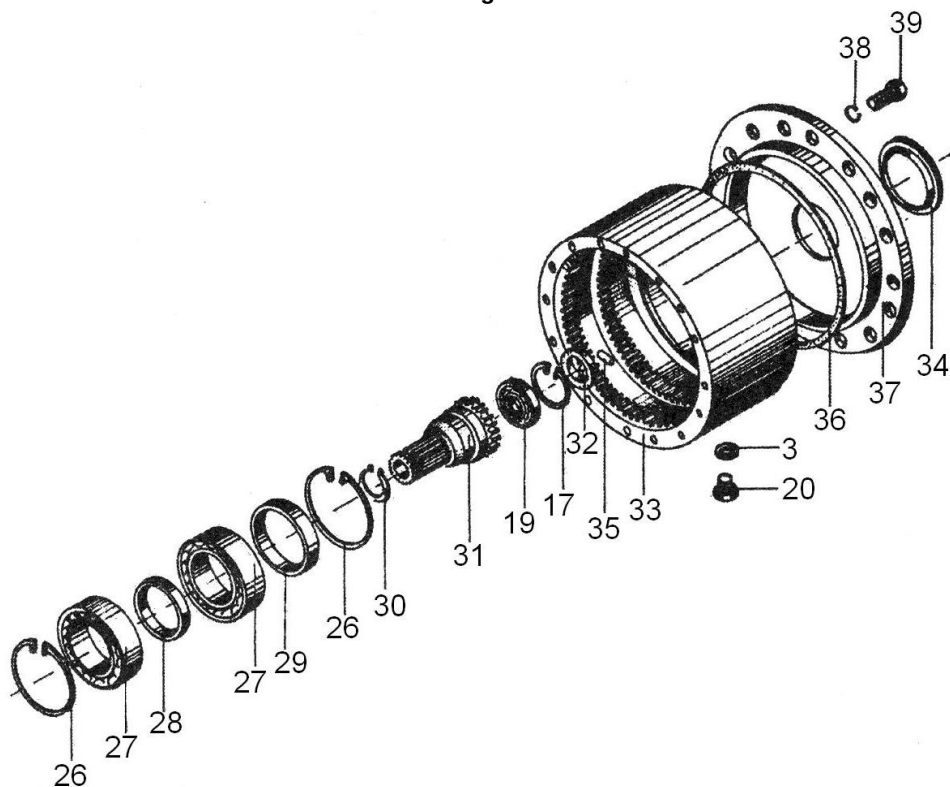


Fig. 2

Table 1.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
1,2		SPEED REDUSER (complete)			9	-	149715
1,2		SPEED REDUSER (complete) редуктор			9, 8, 24, 30 and 36	158041	-
1,2		SPEED REDUSER (complete)			13	149715	-
1,2		SPEED REDUSER (complete)			12	-	158041
1	1	Cap		1	9-36	162333	162333
1	2	Plug-vent hole		1	9-36	162337	162337
1,2	3	Seal ring		3	9-36	162335	162335
1	4	Screw M6x20/8,8	2171-83	12	9-36	208458	208458
1	5	Spring washer 2-6H	833-82	12	9-36	207065	207065
1	6	Cover		1	9-36	162332	162332
1	7	Rubber ring		1	9-36	162328	165328
1	8	Ring V50	2170-77	5	9-36	208721	208721
1	9	Ring A110	2170-77	7	9-36	208709	208709
1	10	Ball bearing №310 GOST SKF 3610		8	9-36	206052	206052
1	11	Planetary gear wheel		2	9-36	162340	162340
1	(12)	Axle		2	9-36	162342	162342
1	(13)	Guide I		1	9-36	147085	147085
1	14	Planetary gear wheel		3	9-36	162358	162358
1	(15)	Axle		3	9-36	162352	162352
1	(16)	Guide II		1	9-36	162353	162353
1,2	17	Ring A72	2170-77	3	9-36	208707	208707
1	18	Ring V35	2170-77	1	9-36	208708	208708
1,2	19	Ball bearing №207 GOST SKF 6207		2	9-36	205982	205982
1,2	20	Plug		2	9-36	162336	162336
1	21	Ring V65	2170-77	1	9-36	208706	208706
1	22	Shaft		1	9	162334	160803
1	22	Shaft		1	13	160803	-
1	22	Shaft		1	12	-	161324
1	24	Transmission I (complete)		1	9-36	158310	158310
1	25	Sun gear wheel		1	9-36	147086	147086
2	26	Ring A200	2170-77	2	9-36	208748	208748
2	27	Ball bearing №222 GOST SKF 6222		2	9-36	205997	205997
2	28	Bush		1	9-36	162354	162354
2	29	Ring		1	9-36	162355	162355
2	30	Ring V110	2170-77	1	9-36	208747	208747
2	31	Shaft-splined bush		1	9-36	162356	162356
2	32	Sealing A35x72x12	9954-83	1	9-36	208829	208829
2	33	Tooth rim		1	9-36	162444	162444
2	34	Sealing A200x150x15	9954-83	1	9-36	162957	162957
2	35	Cylindrical split pin		2	9-36	147084	147084
2	36	Rubber ring		1	9-36	162331	162331
2	37	Flange		1	9-36	162350	162350
2	38	Spring washer 2-14H	833-82	12	9-36	207069	207069
2	39	Screw M14x35/8,8	2171-83	12	9-36	208475	208475

NOTE:

The units with bracketed Pos. are not supplied singly.

1.2. Speed reducer for electric hoist with hoisting speed 8 and creep speed 8/1,8 m/min with an auxiliary brake

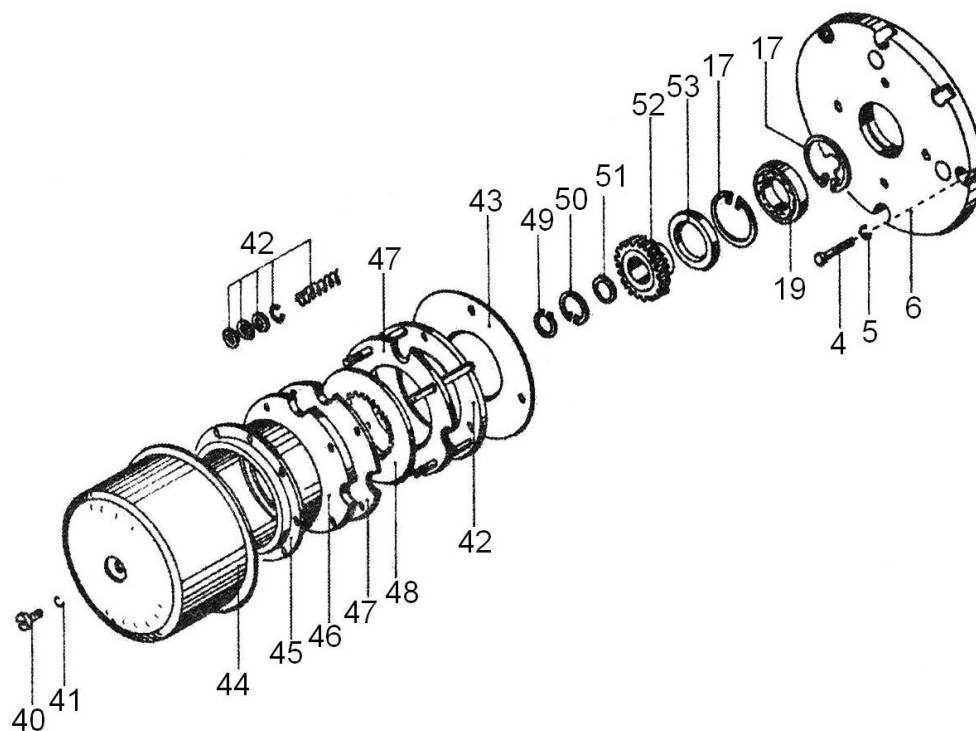


Fig. 3

Table 1.2

Fig. №	Pos. №	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
1,2,3		SPEED REDUSER (complete)		1	9	-	149716
1,2,3		SPEED REDUSER (complete)		1	9, 8,24, 30 and 36	162441	-
1,2,3		SPEED REDUSER (complete)		1	13	149716	-
1,2,3		SPEED REDUSER (complete)		1	12	-	162441
1		Auxiliary brake (complete)		1	9-36	148010	148010
1	6	Cover		1	9-36	162447	162447
1	23	Shaft		1	9	162448	149756
1	23	Shaft		1	13	149756	-
1	23	Shaft		1	12	-	162448
1	24	Transmission I complete		1	9-36	158310	158310
3	40	Screw II M6x16	1360-83	1	9-36	204496	204496
3	41	Sealing		1	9-36	345005	345005
3	42	Base-complete		1	9-36	345004	345004
3	43	Sealing		1	9-36	345029	345029
3	44	Cover		1	9-36	345009	345009
3	45	Electromagnet		1	9-36	345013	345013
3	46	Anchor		1	9-36	345017	345017
3	47	Stationary rubbing discs		7	9-36	345021	345021
3	48	Mobile rubbing discs		4	9-36	345025	345025
3	49	Ring V28	2170-77	1	9-36	208750	208750
3	50	Ring		1	9-36	162454	162454
3	51	Sealing		1	9-36	162453	162453
3	52	Gear wheel		1	9-36	162452	162452
3	53	Sealing A48x12x10-3	9954-83	1	9-36	208056	208056

NOTE:

Only the catalogue numbers of those units which distinguish the reducer with auxiliary brake from the basic-version one, follow succession. All the missing catalogue numbers coincide with those of basic-version reducer (table 1.1).

Group 2 – BODY WITH RELEASING SYSTEM

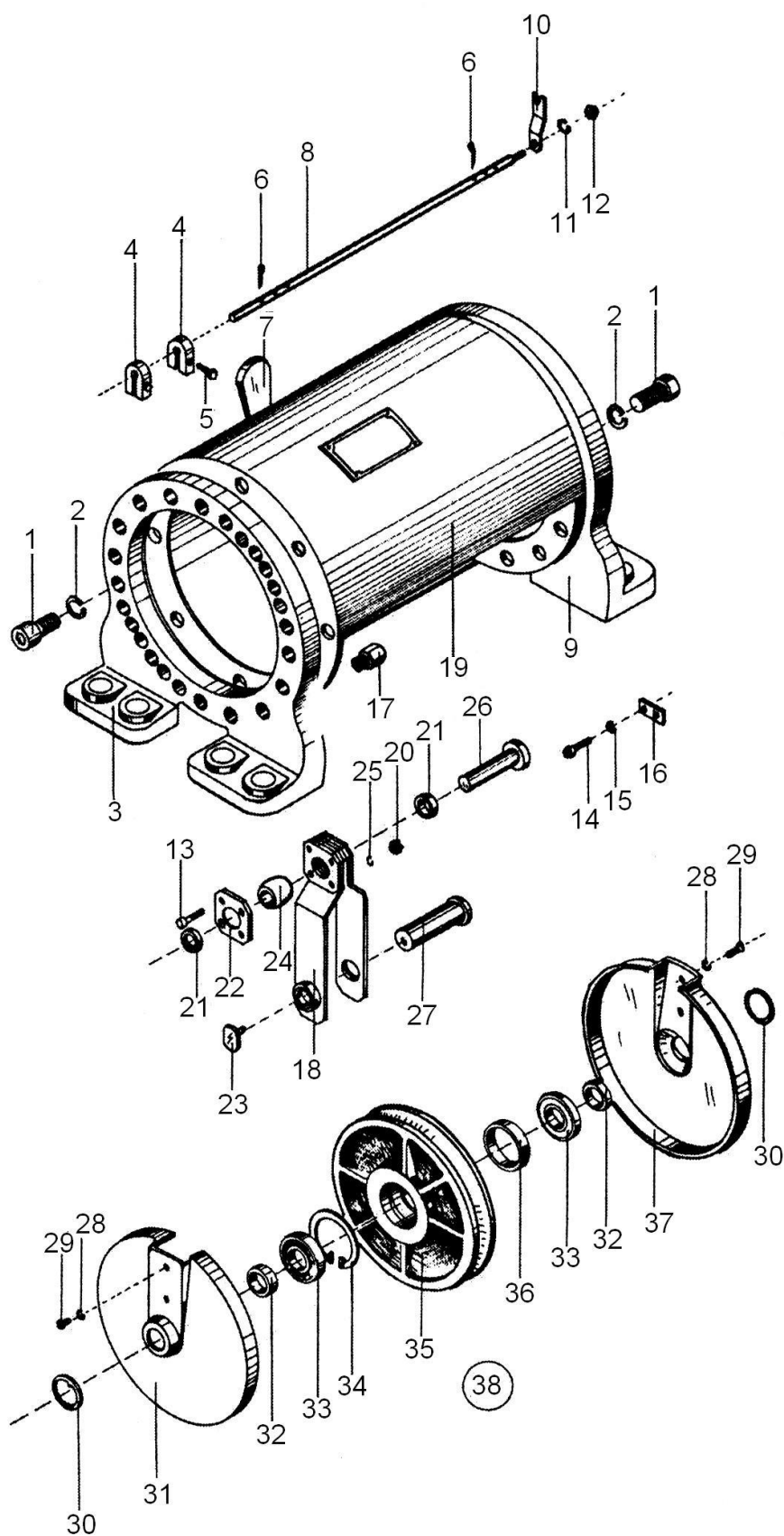


Fig. 4

Table 2.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
4	1	Screw I M14x60 for foot mounted electric hoist	2171-83/6,6	23	9-36	208481	208481
4	1	Screw I M14x60 for foot mounted electric hoist	2171-83/6,6	18	9-36	208455	208455
4	2	Spring washer 2-14H	833-82	23	9-36	207069	207069
4	3	Ring with feet-left		1	9-36	195078	195078
4	4	Ring (кольцо)		2	9-36	158782	158782
4	5	Bolt II M6x20 (винт)	1234-85	2	9-36	203010	203010
4	6	Sprint pin 2,5x16(шплинт)	55-77	2	9-36	205634	205634
4	7	Wedge (клин)		1	9-36	159144	-
4	8	Rod		1	9	149851	149852
4	8	Rod		1	13	149852	-
4	8	Rod		1	12	-	147189
4	8	Rod		1	18	147189	-
4	8	Rod		1	24	147190	-
4	8	Rod		1	30	149853	-
4	8	Rod		1	36	147194	-
4	8	Rod (штанга)		1	9	158809	158813
4	8	Rod		1	13	158813	-
4	8	Rod		1	12	-	149849
4	8	Rod		1	18	149849	-
4	8	Rod		1	24	147122	-
4	8	Rod		1	30	149850	-
4	8	Rod		1	36	147132	-
4	9	Ring with feet-right		1	9-36	195079	195079
4	10	Fork вилка		1	9-36	158760	158760
4	10	Fork-for electric hoist with creep speed		1	9-36	143267	143267
4	11	Spring washer 2-6H	833-82	1	9-36	205361	205361
4	12	Nut I M6	744-91	1	9-36	219193	219193
4	13	Bolt M10x60/8,8	1234-85	4	9,12	-	203110
4	14	Screw I M12x18	2171-83	2	9,12	-	222555
4	15	Spring washer 2-12H	833-82	2	9,12	-	207068
4	16	Safety lath		1	9,12	-	143279
4	17	Bush		1	9,12	143214	143214
4	18	Shackle		1	9,12	-	147168
4	19	Body	For foot-mounted electric hoist	1	9		
4	19	Body		1	13		
4	19	Body		1	12		
4	19	Body		1	18		
4	19	Body		1	24		
4	19	Body		1	30		
4	19	Body		1	36		
4	19	Body	For lug-mounted electric hoist	1	9		
4	19	Body		1	13		
4	19	Body		1	12		
4	19	Body		1	18		
4	19	Body		1	24		
4	19	Body		1	30		
4	19	Body		1	36		
4	19	Body					
4	20	Nut I M10	744-91	4	9,12	-	219198
4	21	Spacing bush		2	9,12	-	143272
4	22	Flange		2	9,12	-	147173
4	23	Screw		1	9,12	-	143274
4	24	Spherical bush		1	9,12	-	143295
4	25	Spring washer 2-10H	833-82	4	9,12	-	207067
4	26	Axle		1	9,12	-	143273
4	27	Axle		1	9,12	-	143303
4	28	Spring washer 2-8H	833-82	2	9,12	-	205263
4	29	Screw I M8x12	1234-85	2	9,12	-	222547
4	30	Safety washer		2	9,12	-	143275
4	31	Cover, left		1	9,12	-	147176
4	32	Spacing washer		2	9,12	-	143277
4	33	Ball bearing №312-Z		2	9,12	-	222542
4	34	Ring A130	2170-77	1	9,12	-	208749
4	35	Roller		1	9,12	162416	162416

4	36	Bush	1	9,12	162417	162417
4	37	Cover, right	1	9,12	147174	147174
4	38	Roller unit complete	1	9,12	162408	162408

Group 3 – ELASTIC CLUTCH

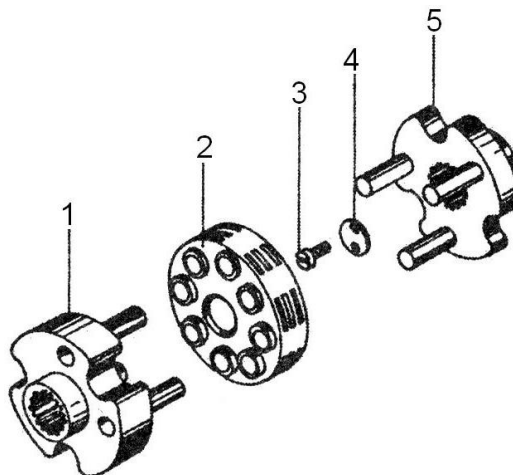


Fig. 5

Table 3.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
5		Elastic clutch (complete) муфта				107790	170090
5	1	Disc		1	9-36	162369	162369
5	2	Elastic body		1	9-36	170080	170080
5	3	Screw M8x12/8,8	2171-83	2	9-36	220070	220070
5	4	Washer		1	9-36	158842	158842
5	5	Disc		1	9-36	162959	162959

Group 4 – ROPEGUIDING

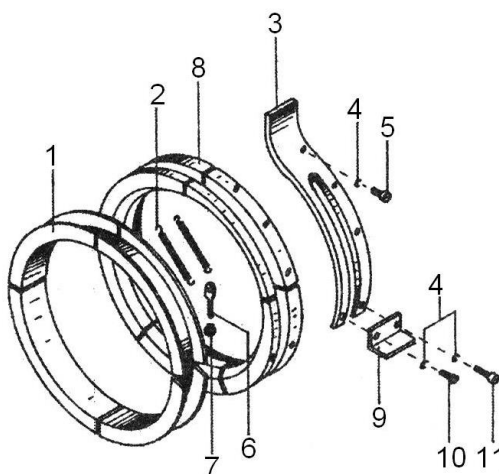


Fig. 6

Table 4.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
6		Rope guiding (complete) канатоукладчик			9-36	158110	158100
6	1	Ring		1	9-36	162381	162381
6	2	Spring		2	9-36	162383	162383
6	3	Guide		1	9-36	162385	162385
6	4	Spring washer 2-8H	833-82	5	9-36	207066	207066
6	5	Bolt I M8x20	1234-85/5,6	3	9-36	203026	203026
6	6	Hinge bolt		4	9-36	170738	170738
6	7	Nut M6/5	744-91/5,6	4	9-36	219192	219192
6	8	Guiding nut		1	9-36	291704	291704
6	9	Lath		1	9-36	162384	162384
6	10	Bolt I M8x16	1234-85/5,6	1	9-36	209590	209590
6	11	Bolt I M8x30	1234-85/5,6	1	9-36	203036	203036

Group 5 – DRUM

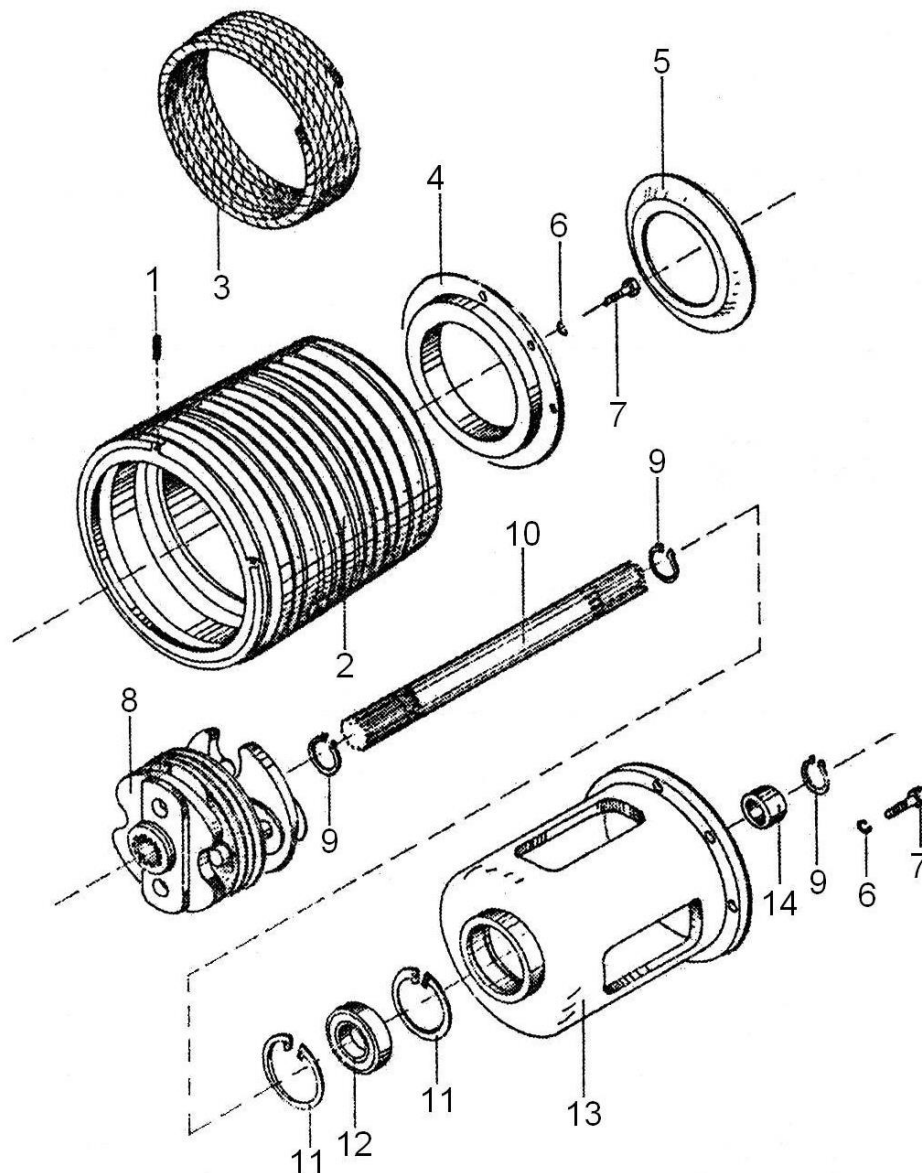


Fig. 7

Table 5.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
7		Drum (complete) барабан		1	9	149757	149758
7		Drum (complete)		1	13	149758	-
7		Drum (complete)		1	12	-	149764
7		Drum (complete)		1	18	149764	-
7		Drum (complete)		1	24	149765	-
7		Drum (complete)		1	30	149760	-
7		Drum (complete)		1	36	149766	-
7	1	Screw I M12x16	1361-83	5	9-36	209069	209069
7	2	Drum		1	9	149759	149738
7	2	Drum		1	13	149738	-
7	2	Drum		1	12	-	147157
7	2	Drum		1	18	147157	-
7	2	Drum		1	24	147124	-
7	2	Drum		1	30	149761	-
7	2	Drum		1	36	147138	-
7	3	Steel rope		1	9	158820	143269
7	3	Steel rope		1	13	156900	-
7	3	Steel rope		1	12	-	147161
7	3	Steel rope		1	18	147089	-
7	3	Steel rope		1	24	147097	-
7	3	Steel rope		1	30	147847	-
7	3	Steel rope		1	36	147131	-
7	4	Ring		1	9,12,13	149647	149647
7	5	Ring		1	9-36	158707	158707
7	6	Spring washer 2-12	833-82	6	9-36	207068	207068
7	7	Screw I M12x35	1232-82	6	9-36	209369	209369
7	8	Elastic clutch (complete)		1	18-36	170095	-
7	9	Safety ring V35	2170-77	2	18-36	208708	-
7	10	Intermediary shaft		1	18	149771	-
7	10	Intermediary shaft		1	24	149772	-
7	10	Intermediary shaft		1	30	149773	-
7	10	Intermediary shaft		1	36	149774	-
7	11	Safety ring A72	2170-77	2	18-36	208703	-
7	12	Ball bearing №80207	4884-85	1	18-36	201186	-
7	13	Bracket		1	18-36	162660	-
7	14	Spacing bush		1	18-36	162658	-

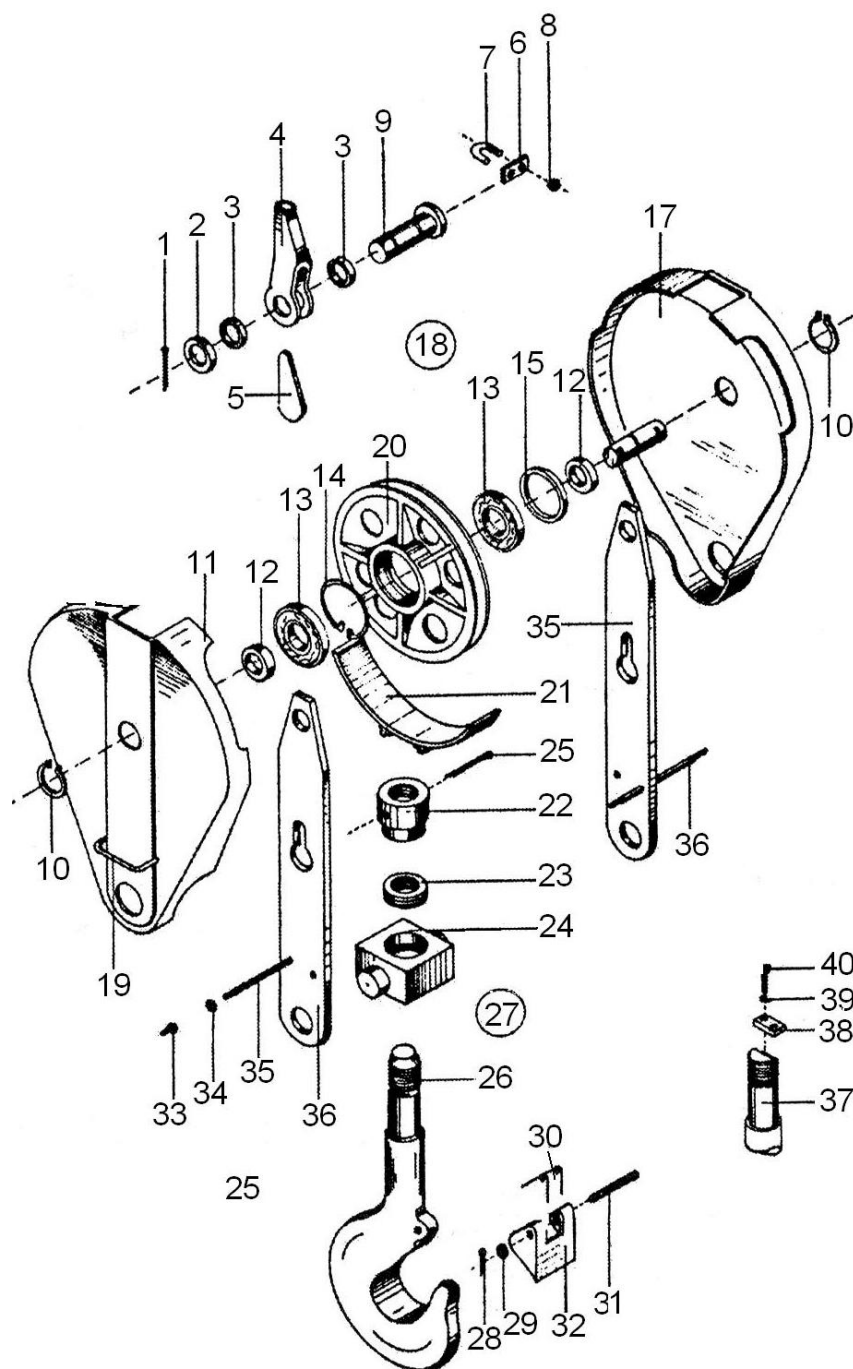
Group 6 – HOOK**Hook with roller block**

Fig. 8

Table 6.1

Fig.No	Pos.No	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
8		Hook (complete) крюк		1	9-36	158369	158370
8	(1)	Split pin 10x70	55-77	1	9,12	-	208316
8	2	Thrust washer		1	9,12	-	160806
8	3	Spacing bush		2	9,12	-	160805
8	4	Thimble		1	9,12	-	160804
8	5	Wedge		1	9,12	-	159144
8	6	Lath		1	9,12	-	158868

8	7	Clamp		1	9,12	-	158853
8	(8)	Nut I M16	744-91/5,6	2	9,12	-	219204
8	(9)	Axle 55x220/208	3048-89	1	9,12	-	207912
8	(10)	Safety ring V60	2170-77	2	9-36	208734	208734
8	11	Cover (welding)		1	9-36	149938	149939
8	12	Spacing bush		2	9-36	162407	160808
8	(13)	Ball bearing №312-Z	4884-85	2	9-36	222542	222542
8	(14)	Safety ring A130	2170-77	1	9-36	208749	208749
8	15	Bush		1	9-36	162417	162417
8	16	Roller's axle		1	9-36	192442	143318
8	17	Cover		1	9-36	149678	149698
8	18	Roller unit (complete)		1	9-36	162408	162408
8	19	Hand grip		2	9-36	150945	150945
8	20	Roller		1	9-36	162416	162416
8	21	Safety guard		1	9-36	149988	149988
8	22	Special nut		1	9-36	291708	143315
8	(23)	Axial bearing №8211	4852-81	1	9-36	222541	-
8	(23)	Axial bearing №8213	4852-81	1	9-36	-	202391
8	(24)	Sleeper		1	9-36	162420	143314
8	(25)	Spin pin 8x100	55-77	1	9-36	222503	-
8	(25)	Spin pin 13x125	55-77	1	9-36	-	205648
8	26	One-prong hook		1	9-36	162421	143316
8	27	Hook with sleeper		1	9-36	162401	160811
8	(28)	Split pin 3,2x20	55-77	2	9-36	202792	202792
8	(29)	Washer AM10	206-78	2	9-36	202686	202686
8	30	Spring		1	9-36	162423	170733
8	31	Axle		1	9-36	149679	170736
8	32	Tongue		1	9-36	162422	170734
8	(33)	Nut M12/5	744-91	4	9-36	219200	-
8	(33)	Semi-rounded nut M12	2970-74	4	9,12	-	222546
8	34	Spring washer 2-12H	833-82	4	9-36	207068	207068
8	35	Stud		2	9-36	149670	149695
8	36	Carrying lath		2	9-36	188707	188709

Group 7 – HOISTING MOTOR

One speed electric motor

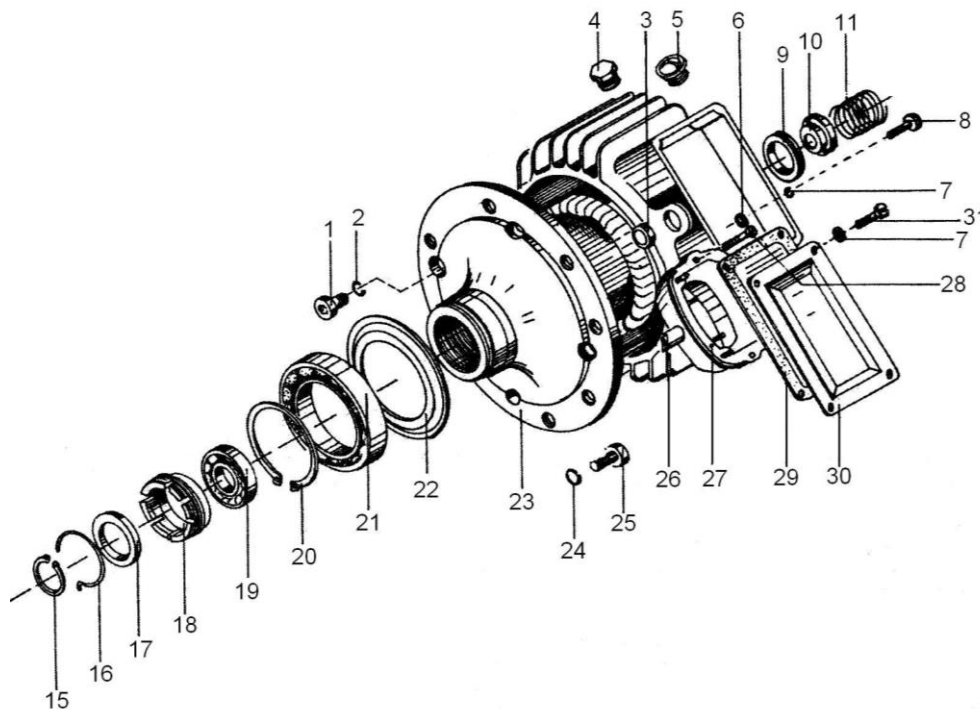


Fig. 9

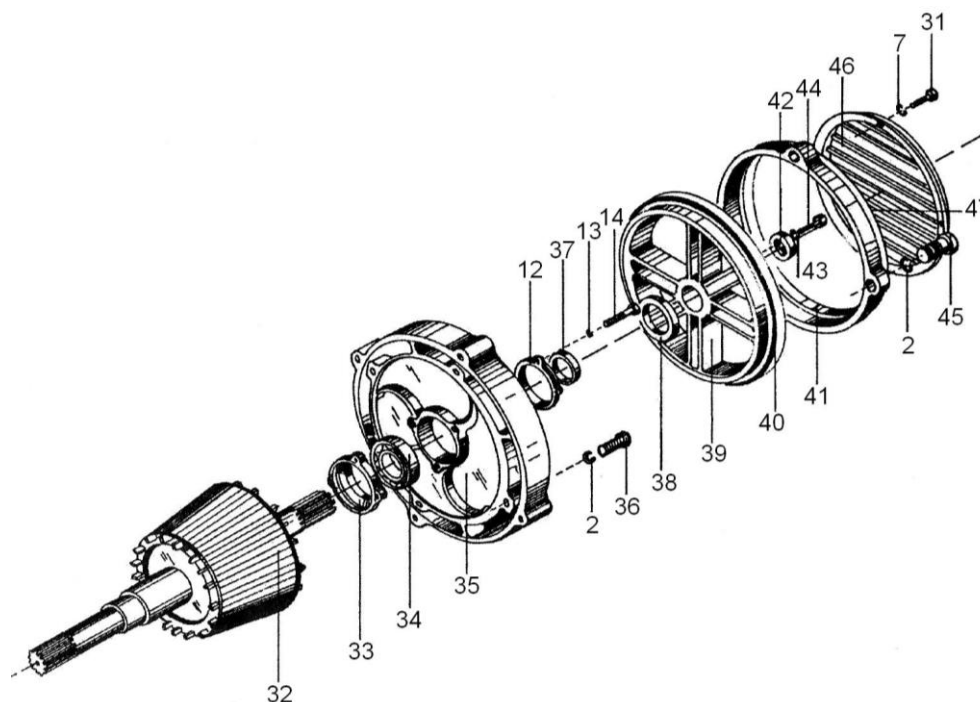


Fig. 10

Table 7.1

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
9,10		Electric motor KG 2714-6 (complete)		1	9-36	157222	157222
9	1	Bolt I M10x50	1232-82	6	9-36	209124	209124
9	2	Spring washer 2-10H	833-82	6	9-36	207067	207067
9	3	Sealing	4592-74	1	9-36	345287	345287
9	4	Union pipe AEL 21xFil14		2	9-36	208852	208852
9	5	Plug		2	9-36	345030	345030
9	6	Washer AM6	206-78	2	9-36	202712	202712
9,10	7	Spring washer 2-6H	833-82	8	9-36	205361	205361
9	8	Screw I M6x12/5,6	832-83	1	9-36	204726	204726
9	9	Axial bearing №8112 GOST SKF51112		1	9-36	206411	206411
9	10	Bearing bush		1	9-36	345288	345288
9	11	Spring		1	9-36	345289	345289
10	12	Cap		1	9-36	345290	345290
10	13	Spring washer 2-5H	833-82	4	9-36	208533	208533
10	14	Bolt I M6x45	1234-85/8,8	3	9-36	203062	203062
9	15	Ring V45	2170-77	1	9-36	208719	208719
9	16	Spring ring		1	9-36	345291	345291
9	17	Sealing A45x70x10-3	9954-83	1	9-36	208562	208562
9	18	Adjusting nut		1	9-36	345292	345292
9	19	Roller bearing NUB209 /C ₃ SKF/		1	9-36	209210	209210
9	20	Ring V20	2170-77	1	9-36	208718	208718
9	21	Ball bearing №124 GOST SKF6024		1	9-36	205965	205965
9	22	Ring		1	9-36	158707	158707
9	23	Front shield		1	9-36	345293	345293
9	26	Stator		1	9-36	345294	345294
9	27	Limit switch KIPTD-22		1	9-36	345332	345332
9	28	Screw I M4x22/5,6	832-83	2	9-36	204676	204676
9	29	Sealing		1	9-36	345295	345295
9	30	Cap		1	9-36	345296	345296
9	31	Screw I M6x16	1358-85/5,6	4	9-36	204598	204598
10	32	Rotor		1	9-36	345297	345297
10	33	Cap		1	9-36	345298	345298
10	34	Roller bearing NUB210/C ₃ SKF/		1	9-36	209211	209211
10	35	Rear shield		1	9-36	345299	345299

10	36	Bolt I M12x45	1234-82	4	9-36	203516	203516
10	37	Bush		1	9-36	345300	345300
10	38	Sealing A55x75	9954-83	1	9-36	209199	209199
10	39	Fan		1	9-36	345301	345301
10	40	Spring washer 2-12H	833-82	8	9-36	207068	207068
10	41	Braking ring (Ferodo)		1	9-36	345302	345302
10	42	Casing		1	9-36	345303	345303
10	43	Real adjusting nut		1	9-36	345304	345304
10	44	Spring washer 2-8H	833-82	2	9-36	205263	205263
10	45	Bolt I M8x25	1234-85/8,8	2	9-36	222035	222035
10	46	Bolt M12x70	1234-82	4	9-36	203524	203524
10	47	Grid		1	9-36	345305	345305
10	48	Nameplate		1	9-36	345306	345306
10	49	Screw M5x16	1368-73/5,6	4	9-36	204568	204568

Two speed hoisting motor

Table 7.2.

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
9,10		Electric motor KG 3517-24/6 c-te		1	9-36	157222	157222
9	1	Bolt I M10x35	1232-82	12	9-36	203486	203486
9	2	Spring washer 2-10H	833-82	20	9-36	207067	207067
9	11	Spring		1	9-36	345307	345307
9	23	Front shield		1	9-36	345308	345308
9	26	Stator		1	9-36	345309	345309
10	32	Rotor		1	9-36	345310	345310
10	35	Rear shield		1	9-36	345311	345311
10	39	Fan		1	9-36	345312	345312
10	41	Brake ring (ferodo)		1	9-36	345313	345313
10	42	Casing		1	9-36	345314	345314
10	47	Grind		1	9-36	345315	345315
10	48	Nameplate		1	9-36	345316	345316

NOTE:

Only the catalogue numbers of those units, which distinguish the two-speed electric motor from the one-speed one, follow succession. All the missing catalogue numbers coincide with those of the one-speed electric motor.

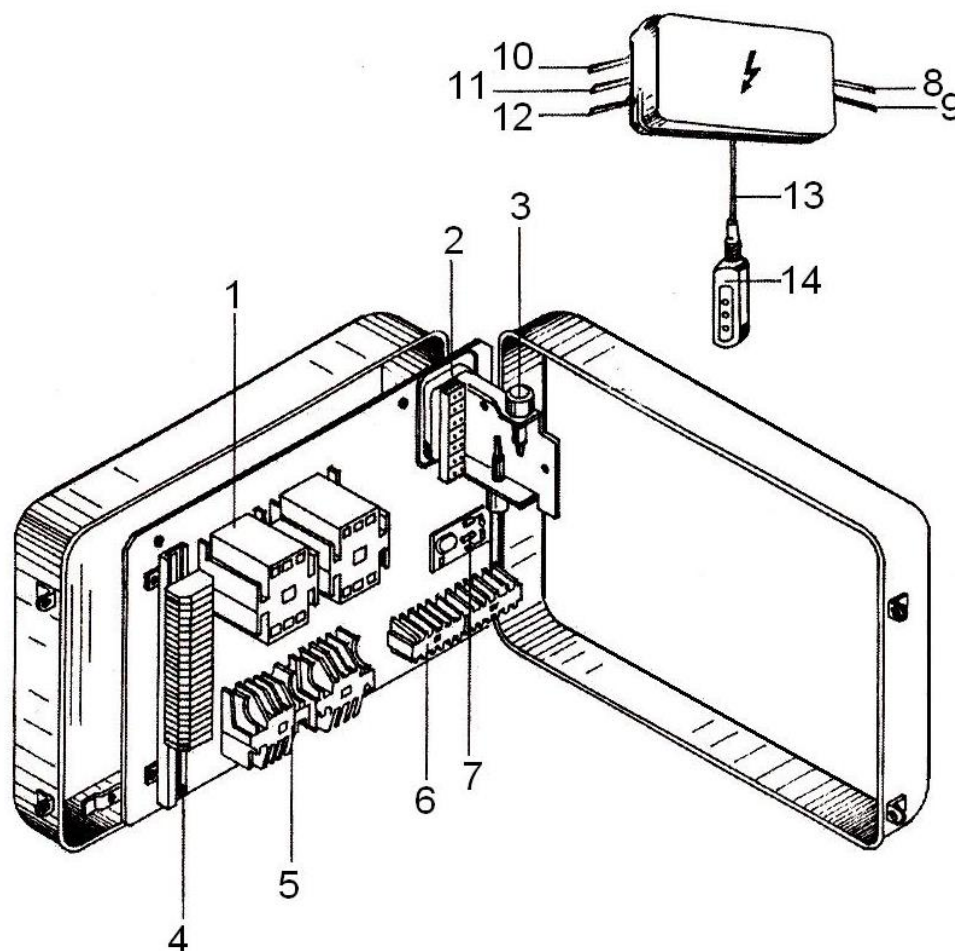
Group 8 – CONTROL BLOCK**Fig. 11****Table 8.1**

Fig.No	Pos.No	Denomination		№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
11		Electric switchboard (complete without cables and control switch)	Electric hoist with normal hoisting speed	1	9-36	171265	171265
			Electric hoist with normal hoisting speed and electric trolley	1	9-36	171311	171311
11		Electric switchboard (complete without cables and control switch)	Electric hoist with normal and creep hoisting speed	1	9-36	171280	171280
			Electric hoist with normal hoisting speed, creep speed and electric trolley	1	9-36	171335	171335
11		Electric switchboard (complete without cables and control switch)	Electric hoist with normal and creep hoisting speed and auxiliary brake	1	9-36	171303	171303
			Electric hoist with normal hoisting speed, creep speed and auxiliary brake and electric trolley	1	9-36	171346	171346
11		Electric switchboard (complete without cables and control switch)	Electric hoist with normal hoisting speed and auxiliary brake	1	9-36	171295	171295
			Electric hoist with normal hoisting speed, auxiliary brake and electric trolley	1	9-36	171334	171334
11	1	Contactors for normal hoisting speed					
		Single speed hoisting	KV3	2	9-36	256158	256158
		Two-speed hoisting	K25E	2	9-36	256157	256157
11	2	Starting transformer	TZ-300K	1	9-36	256161	256161
11	3	Fuse for transformer	PZ45x6.3, 500V, 3A	2	9-36	345285	345285
11	4	Terminals	2.5mm ²		9-36	168845	168845
11	4	Terminals	10mm ²		9-36	168555	168555
11	5	Contactors for creep speed	KV3	2	9-36	256158	256158

SPARE PARTS CATALOGUE. Electric hoist type T (8 and 12,5t)

11	6	Contactors for the electric trolley	K10E	2	9-36	256155	256155
11	7	Rectifier (complete)	KZ402G	1	9-36	256162	256162
11	8	Cable for electric motor of trolley	SVVE*3x2.5+2.5mm ²	1	9-36	256166	256166
11	8	Cable for electric motor of trolley	SVVE*4x1.5mm ²	1	9-36	256167	256167
11	9	Cable for the auxiliary brake	SVVE*3x1.5mm ²	1	9-36	256165	256165
11	10	Supply cable	SKPT*3x6+4mm ²	1	9-36	256197	256197
11	11	Hoisting motor cable:					
		•Single-speed hoisting	SVVE*3x4+2.5mm ²	1	9-36	256199	256199
		•Two-speed hoisting	SVVE*6x4+2.5mm ²	1	9-36	256172	256172
11	12	Cable for the limit switch					
		•Single-speed hoisting	SVVE 4x0.75mm ²	1	9-36	256173	256173
			SVVE 4x1.5mm ²	1	9-36	256174	256174
		•Two-speed hoisting	SVVE 3x0.75mm ²	1	9-36	256175	256175
			SVVE 3x1.75mm ²	1	9-36	256176	256176
11	13	Control switch cable					
		•Single-speed hoisting	SKPSS 3x0.75 mm ²	1	9-36	256177	256177
			SKPSS 3x1.5 mm ²	1	9-36	256178	256178
		•Single-speed hoisting and electric trolley	SKPSS 5x0.75 mm ²	1	9-36	256179	256179
			SKPSS 5x1.5 mm ²	1	9-36	256180	256180
		•Two-speed hoisting	SKPSS 6x0.75 mm ²	1	9-36	256183	256183
			SKPSS 6x1.5 mm ²	1	9-36	256184	256184
		•Two-speed hoisting and electric trolley	SKPSS 8x0.75 mm ²	1	9-36	256185	256185
			SKPSS 8x1.5 mm ²	1	9-36	256186	256186
11	14	Control switch					
		Electric hoist without electric trolley and without latch key	Single-speed hoisting KS11	1	9-36	290535	290535
			Two-speed hoisting KS12a	1	9-36	290534	290534
		Electric hoist without electric trolley - with latch key	Single-speed hoisting KS13	1	9-36	192683	192683
			Two-speed hoisting KS14	1	9-36	192684	192684
		Electric hoist without electric trolley, without latch key	Single-speed hoisting KS23	1	9-36	290529	290529
			Two-speed hoisting KS24a	1	9-36	290523	290523
		Electric hoist without electric trolley and latch key	Single-speed hoisting KS29	1	9-36	192681	192681
			Two-speed hoisting KS291	1	9-36	192682	192682

NOTE:

1. For zero-connection of metal control switch use control cable with a "zero" wire SKPSS.
2. It is possible to use other control switches, made of different firms.

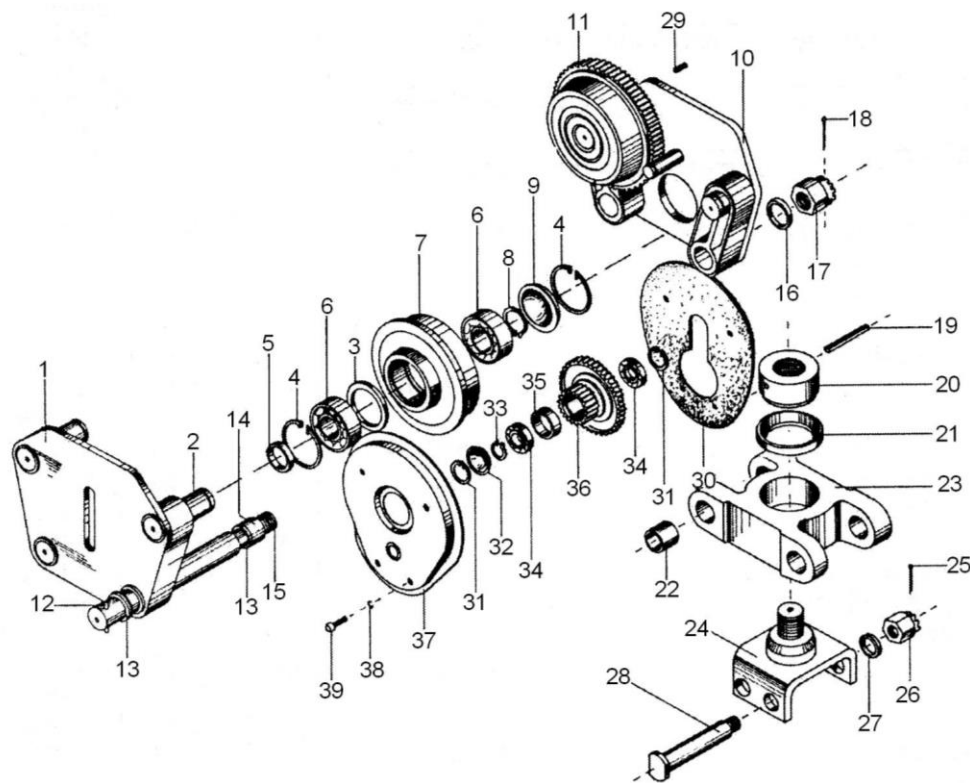
Group 9 – RIGID MOUNTED TROLLEY**Fig.12****Table 9.1.**

Fig.№	Pos.№	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
12		Trolley with electric motors without brake (complete)	V= 20m/min	1	9	149857 (248806)	149793 (248800)
12		Trolley with electric motors without brake (complete) тележка с двигателем без тормоза		1	12	149860 (248803)	149790 (248797)
12		Trolley with electric motors without brake (complete)		1	18	149790 (248797)	-
12		Trolley with electric motors without brake (complete)	V= 20m/min	1	24	137256 (137268)	-
12		Trolley with electric motors without brake (complete)		1	30	137259 (137271)	-
12		Trolley with electric motors without brake (complete)		1	36	137262 (137274)	-
12		Trolley with electric motors with brake (complete)	V= 20m/min	1	9	149858 (248807)	149794(248801)
12		Trolley with electric motors with brake (complete) V= 20m/min		1	12	149861 (248804)	149791 (248798)
12		Trolley with electric motors with brake (complete)		1	18	149791 (248798)	-
12		Trolley with electric motors with brake (complete)	V= 20m/min	1	24	137257 (137269)	-
12		Trolley with electric motors with brake (complete)		1	30	137260(137272)	-
12		Trolley with electric motors with brake (complete)		1	36	137263 (137275)	-
12		Trolley with electric motors with brake (complete)	V= 32m/min	1	9	149859 (248808)	149795(248802)
12		Trolley with electric motors with brake (complete) V= 20m/min		1	12	149862 (248805)	149792 (248799)
12		Trolley with electric motors with brake (complete)		1	18	149792 (248799)	-

SPARE PARTS CATALOGUE. Electric hoist type T (8 and 12,5t)

12		Trolley with electric motors with brake (complete)	V= 32m/min	1	24	137258 (137270)	-
12		Trolley with electric motors with brake (complete)		1	30	137261(137273)	-
12		Trolley with electric motors with brake (complete)		1	36	137264 (137276)	-
12	1*	Side wall, driven, with axles		1	9-36	149006	149006
12	2	Axle		4	9-36	148996	148996
12	3	Spacing bush		4	9-36	149004	149004
12	4	Ring A100	2170-77	8	9-36	221394	221394
12	5	Cap		4	9-36	148993	148993
12	6	Ball bearing №6309	4843-84	8	9-36	206051	206051
12	7	Driven running wheel		2	9-36	149009	149009
12	8	Ring V45	2170-77	4	9-36	208719	208719
12	9	Cap		4	9-36	148994	148994
12	10*	Side wall, driving, with axles		1	9-36	148995	148995
12	11	Driving running wheel		2	9-36	149003	149003
12	12	Cylindrical pin		2	9-36	148989	148989
12	13	Washer		24	9-36	148986	148986
12	14	Bush		2	9-36	148984	148984
12	15	Stud		2	9-36	148985	148985
12	16	Washer AM42	206-78	2	9-36	202756	202756
12	17	Nut II M42x3	745-90	2	9-36	222550	222550
12	18	Split pin 8x80	55-77	2	9-36	208908	208908
12	19	Cylindrical pin 12x100	3954-80	2	9-36	222551	222551
12	20	Special nut		1	9-36	149811	149811
12	21	Washer		1	9-36	149812	149812
12	23	Sleeper, welding		1	9-36	149810	149810
12	23	Sleeper, casting		1	9-36	149806	149806
12	24	Bolt		1	9,12	149813	149813
12	24	Clamp		1	18-36	149877	149877
12	25*	Split pin 6,3x50	55-77	4	18-36	208911	208911
12	26*	Nut II M30	745-90	4	18-36	208976	208976
12	27*	Washer AM30	206-78	4	18-36	202704	202704
12	28*	Bolt		4	9,12	149789	149789
12	28*	Bolt		4	18-36	149875	149875
12	29	Stud AI-O M8x18	1238-87	3	9-36	201671	201671
12	30	Sealing		1	9-36	148991	148991
12	31	Ring A47	2170-77	1	9-36	208726	208726
12	32	Cap		1	9-36	148887	148887
12	33	Ring V25	2170-77	1	9-36	208714	208714
12	34	Ball bearing 6005 SKF		1	9-36	204864	204864
12	35	Spacing bush		1	9-36	149001	149001
12	36	Gear wheel block		1	9-36	149000	149000
12	37	Cover		1	9-36	148992	148992
12	38	Spring washer 2-8H	833-82	4	9-36	205263	205263
12	39	Screw I M8x40	1358-85	4	9-36	208990	208990
12	40	Sleep		1	9	149864	149805
12	40	Sleep		1	12	149805	149804
12	40	Sleep		1	24	137277	-
12	40	Sleep		1	30	137278	-
12	40	Sleep		1	36	137279	-

NOTE:

1. The number of details Pos. №25, 26, 27 and 28 are two less than the usual number, with the electric hoists of 8 ton load capacity and 9m hoisting height.

2. The bracketed catalogue Nos. refer to rigid electric trolley with welded side walls (pos. 1 and 10).

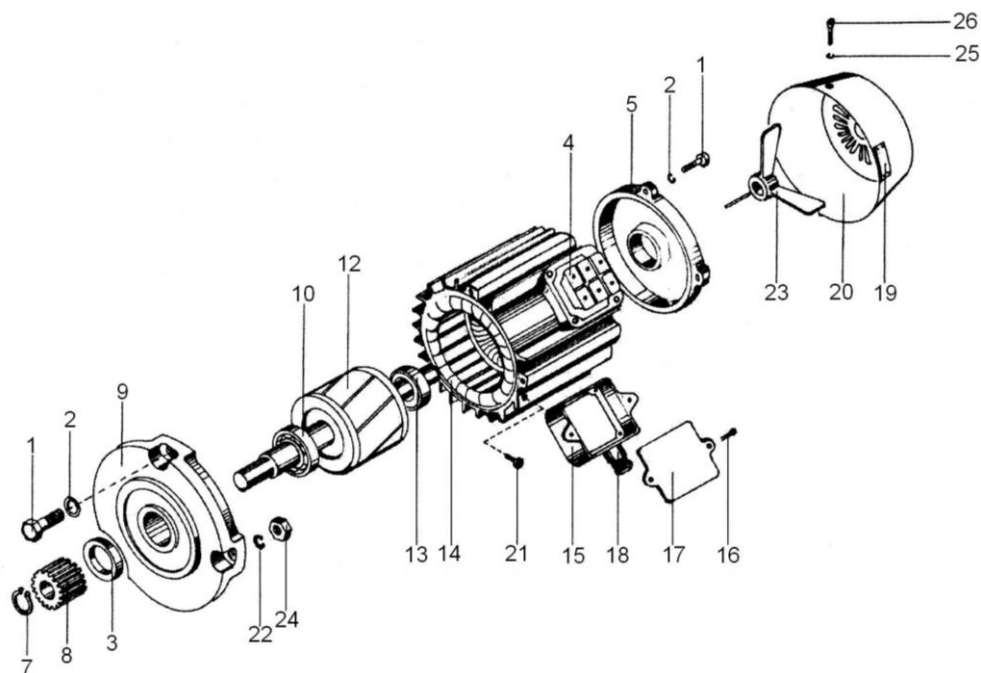
Group 10 – ELECTRIC MOTOR FOR TROLLEY**10.1. Trolley motor for trolley, V= 20m/min.****Fig. 13****Table 10.1**

Fig.No	Pos.No	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
13		Electric motor KH 1306-6A without brake		2	9-36	168930	-
13		Electric motor K 1306-6A without brake		2	9-36	-	168883
13	1	Bolt I M6x25	1232-82	8	9-36	222029	222029
13	2	Spring washer 2-6H	833-82	7	9-36	205361	205361
13	3	Sealing A20x40	9954-83	1	9-36	209200	209200
13	4	Terminal board (complete)		1	9-36	345256	345256
13	5	Real shield		1	9-36	345257	345257
13	7	Ring V12	2170-77	1	9-36	208728	208728
13	8	Gear wheel		1	9-36	148899	148899
13	9	Shield		1	9-36	345258	345258
13	10	Ball bearing №60204 (SKF6204Z)	4884-85	1	9-36	206027	206027
13	12	Rotor		1	9-36	345260	345260
13	13	Ball bearing №60203 (SKF6203Z)	4884-85	1	9-36	206026	206026
13	14	Stator		1	9-36	345261	345261
13	15	Outlet box		1	9-36	345263	345263
13	16	Screw M4x14	1358-85	2	9-36	204539	204539
13	17	Cap		1	9-36	345264	345264
13	18	Bakelite union pipe		1	9-36	209209	209209
13	19	Nameplate		1	9-36	345265	345265
13	20	Fan's cover		1	9-36	-	345267
13	21	Earthling screw M6x12	1230-85	9-36	9-36	209203	209203
13	22	Spring washer 2-8H	833-82	3	9-36	205263	205263
13	23	Fan		1	9-36	-	345268
13	24	Nut I M8/5	744-91	3	9-36	219196	219196
13	25	Spring washer 2-5H	833-82	3	9-36	-	208533
13	26	Screw I M5x5/5,6	832-83	3	9-36	-	204681

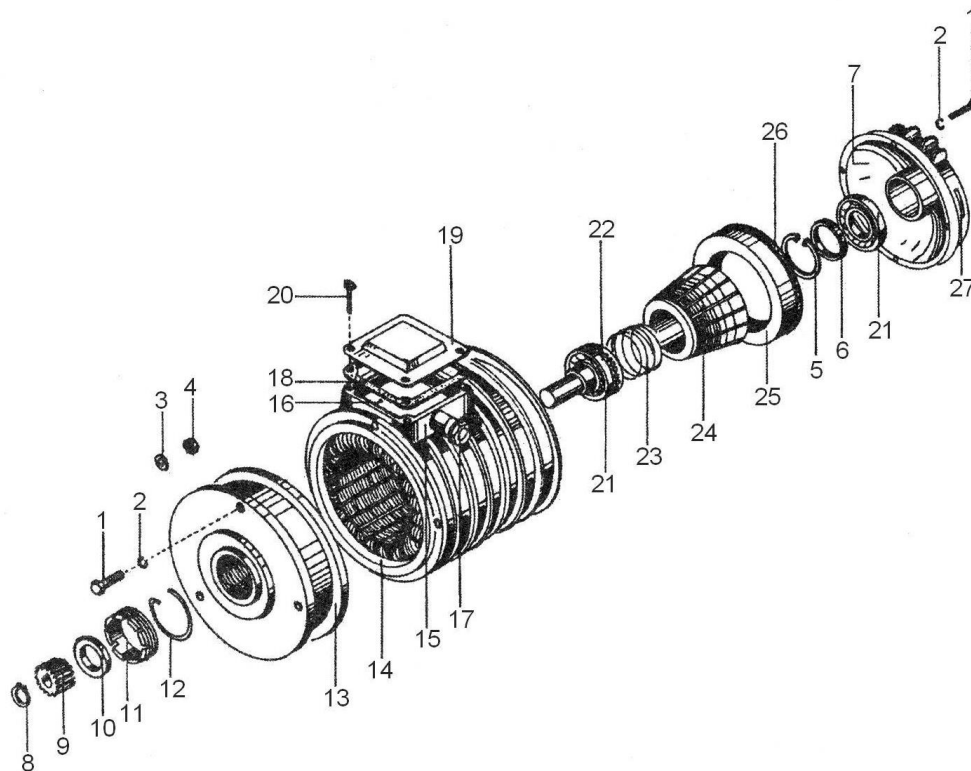
10.2. Electric motor for trolley with brake V=20m/min; V=32m/min**Fig. 14****Table 10.2**

Fig.No	Pos.No	Denomination	BDS	№	Hoisting height, m	Catalogue number	
						8000kg	12 500kg
1	2	3		4	5	6	7
14		Electric motor KK 1405-6A	V= 20m/min	2	9-36	160580	-
14		Electric motor KK 1407-6A		2	9-36	-	168929
14		Electric motor KK 1405-4A	V= 32m/min	2	9-36	143535	168929
14		Electric motor KK 1407-4A		2	9-36	-	168928
14	1	Bolt I M6x18	1234-85/8,8	8	9-36	203008	203008
14	2	Spring washer 2-6H	833-82	8	9-36	205361	205361
14	3	Spring washer 2-8H	833-82	3	9-36	205363	205363
14	4	Nut I M 8/5	744-91	3	9-36	219196	219196
14	5	Ring A47	2170-77	1	9-36	208726	208726
14	6	Bush		1	9-36	345122	345122
14	7	Real shield		1	9-36	345124	345124
14	8	Ring B12	2170-77	1	9-36	208728	208728
14	9	Gear wheel		1	9-36	148899	148899
14	10	Sealing A20x35	9954-83	1	9-36	209201	209201
14	11	Adjusting nut		1	9-36	345126	345126
14	12	Spring ring		1	9-36	345128	345128
14	13	Front shield		1	9-36	345130	345130
14	14	Stator-speed V= 20m/min		1	9-36	345134	345136
14	14	Stator-speed V= 32m/min		1	9-36	345133	345135
14	15	Outlet box		1	9-36	345137	345137
14	16	Terminal board		1	9-36	345138	345138
14	17	Bakelite union pipe		1	9-36	209209	209209
14	18	Searing		1	9-36	345142	345142
14	19	Cover		1	9-36	345144	345144
14	20	Screw M5x10	1358-85	4	9-36	222082	222082
14	21	Roller bearing NUB204 ('SKF)		2	9-36	209211	209211
14	22	Thrust bearing 8106 GOST (SKF1106)		1	9-36	206405	206405
14	23	Braking spring		1	9-36	345147	345148

SPARE PARTS CATALOGUE. Electric hoist type T (8 and 12,5t)

14	24	Rotor	1	9-36	345151	345152
14	25	Barking disk	1	9-36	345154	345155
14	26	Braking ring (ferodo)	1	9-36	345157	345157
14	27	Nameplate-speed V= 20m/min	1	9-36	345161	345163
14	27	Nameplate-speed V= 32m/min	1	9-36	345160	345162

✂-----

REQUEST

for spare parts for electric hoist, type, serial number, year of production, operation mode group, supply voltage

Requested in accordance with Catalogue №

№	Spare part	Catalogue number	QTY

Spare parts to be delivered at the following address:

.....

.....

Type of delivery:

Date.....

Customer.....

✂-----