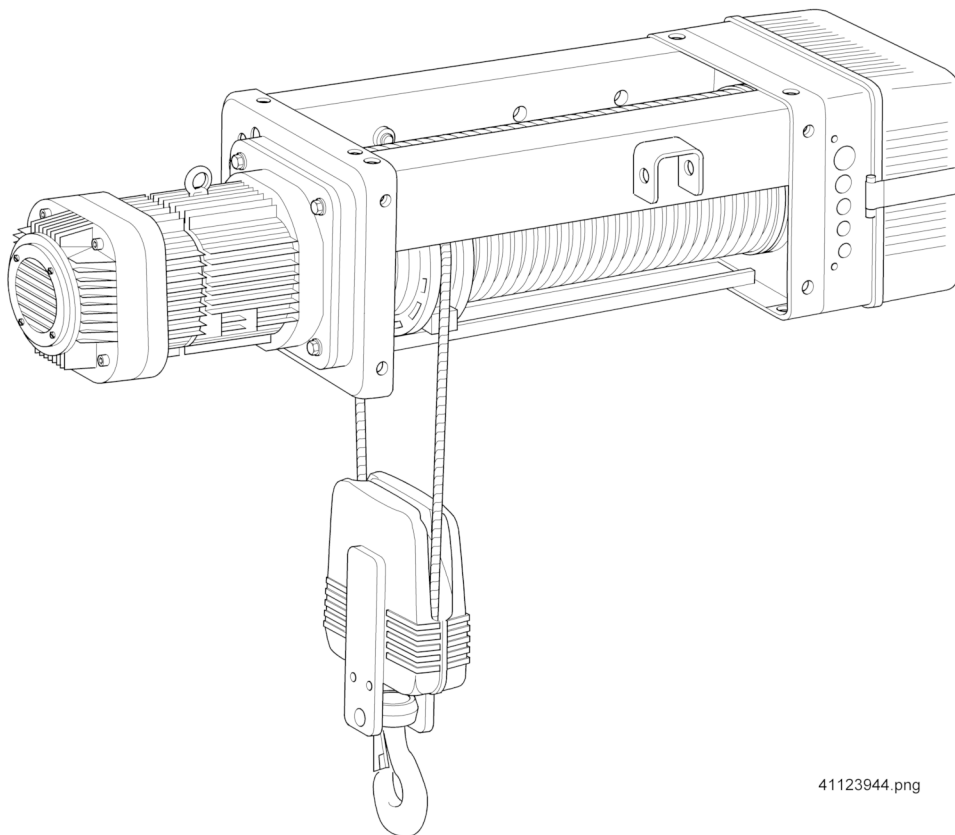


Spare parts list

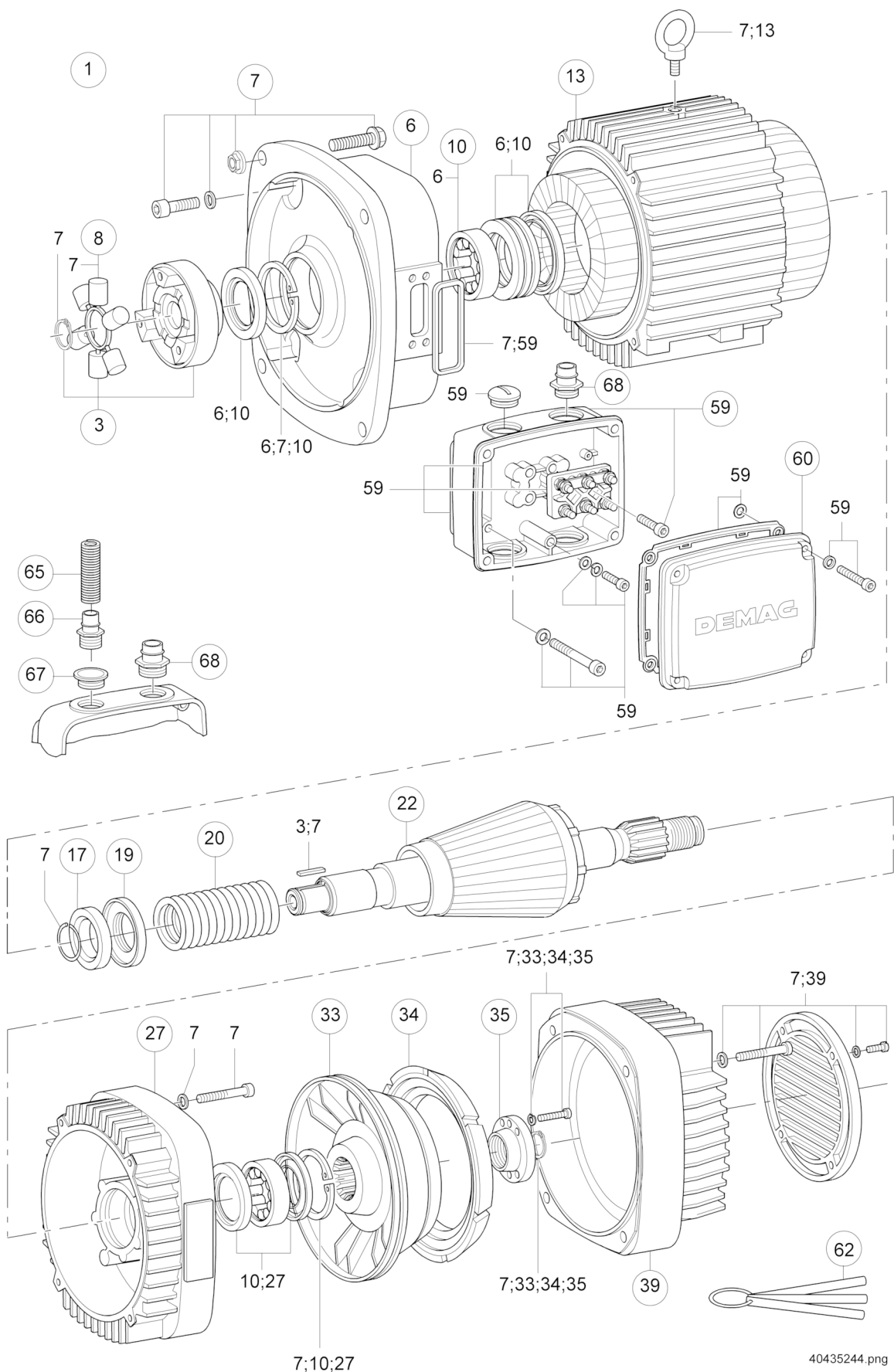
Demag DH 400 rope hoist



41123944.png

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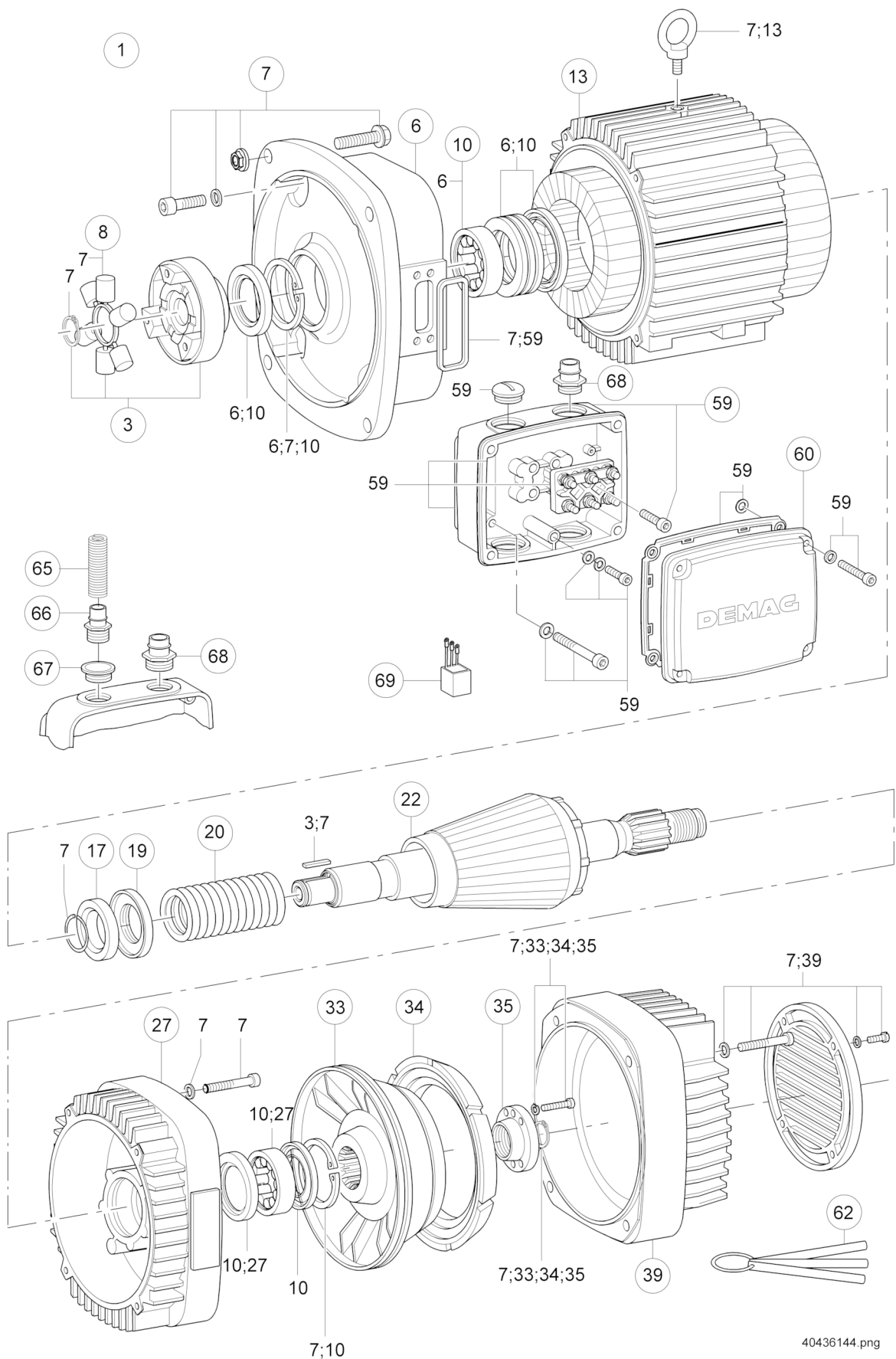
Item	Part no.	Quantity	Designation		Material	RSP
1	6516133	1	Motor set KBH100B4 DH 300		230400AB50	
3	35192233	1	Coupling set M H2N-24K			
6	6963933	1	End shield set KBH100/300	1)		
7	6983533	1	Mounting parts set KB100			
8	75226133	1	Roller spider coupling H2			
10	6909933	1	Bearing and sealing set KB100			
13	6617433	1	Stator set KBA100B4 AB	2), 3)	230/400V50	
17	6980833	1	Thrust ring set KB100	2), 3)		
19	6982233	1	Disc spring set KB 100			
20	6977684	1	Pressure spring GbBI 5 x 43 x 75	663 N	KBA100	
22	6932933	1	Rotor set KBA100B 4K	2), 3)		
27	6960633	1	End shield set BS KB 100			
33	6979133	1	Brake set light wide KB100			
34	6978633	1	Conical brake ring KB100 b		breit	
35	6971433	1	Clamping nut set KB100			
39	6909733	1	Brake cover set ZN+STD	4)	KB100	
39	6909833	1	Brake cover set STD+STD		KB100	
59	6998533	1	Terminal box set KB100-125	c/w item 60		
60	6997433	1	Terminal box cover KB 100-125		Deckelset	
62	10015184	3	Feeler gauge set		KB 90,100	
65	89506144	1	Corrugated hose FFMYDNW17	5)	400017 SW	
66	82157044	1	Pipe socket M25X1,5 NW17	5)	PA 6.6	
67	79499544	1	Reduction M32-M25	5)	MS VERNI.	
68	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	

21730144001

- 1) Sealing surfaces between motor and gearbox flange to be sealed with Loctite 573. Part no. 033 068 44.
- 2) When ordering a rotor or stator, thrust rings (item 17) and feeler gauge (item 62) must also be ordered for adjusting the correct air gap dimension.
- 3) Required air gap between stator bore and rotor: 0.35 mm.
- 4) For service in arduous conditions, galvanized brake surface.
- 5) Only for mechanical microspeed.

Main hoist motor KBH 112 B 4,
Main/creep hoist motor KBH 112 B 2/12 - F 6

DH 400



Main hoist motor KBH 112 B 4, Main/creep hoist motor KBH 112 B 2/12 - F 6

DH 400

Item	Part no.	Quantity	Designation		Material	RSP
1	7015233	1	Motor set KBH112B4 DH 300		230400AB50	
1	7015333	1	Motor set KBH112B2/12DH 300		400AB50	
3	35191333	1	Coupling set M H2N-28			
6	7463933	1	End shield set KBH112/300	1)		
7	7483533	1	Mounting parts set KB112			
8	75226133	1	Roller spider coupling H2			
10	7409933	1	Bearing and sealing set KB112			
13	7116933	1	Stator set KBA112B4AB	2), 3)	230/400V50	
13	7121333	1	Stator KBH112B2/12A S	2), 3)	400V50	
17	7480833	1	Thrust ring set KB112	2), 3)		
19	7482233	1	Disc spring set KB 112			
20	7477684	1	Pressure spring GbBI 5,6 x 47,6 x 77	KBH 112 B4, 824 N	KBH112	
20	7477784	1	Pressure spring GbGn 4,75x46,75x63	KBH 112 B2/12, 245 N	KBH112	
22	7434233	1	Rotor set KBA112B4KUP	2), 3)		
22	7436333	1	Rotor KBH112B 8/2 K S	KBH 112 B2/12, 2), 3)		
27	7460633	1	End shield set BS KB 112			
33	7479133	1	Brake set light wide KB112	KBH 112 B4		
33	7479233	1	Brake set light small KB112	KBH 112 B2/12		
34	7478633	1	Conical brake ring KB112 b	KBH 112 B4	breit	
34	7478733	1	Conical brake ring KB112 s	KBH 112 B2/12	schmal	
35	7471433	1	Clamping nut set KB112			
39	7409733	1	Brake cover set ZN+STD	4)	KB112	
39	7409833	1	Brake cover STD+STD		KB112	
59	6998533	1	Terminal box set KB100-125	c/w item 60		
60	6997433	1	Terminal box cover KB 100-125		Deckelset	
62	10015184	3	Feeler gauge set		KB 90,100	
65	89506144	1	Corrugated hose FFMYDNW17	5)	400017 SW	
66	82157044	1	Pipe socket M25X1,5 NW17	5)	PA 6.6	
67	79499544	1	Reduction M32-M25	5)	MS VERNI.	
68	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
69	6988184	1	VDR resistor <= 400V	112 B2/12, for 12-pole winding	KB 100-125	
69	6988284	1	VDR resistor 401-500V	112 B2/12, for 12-pole winding	KB 100-125	

21730144002

- 1) Sealing surfaces between motor and gearbox flange to be sealed with Loctite 573. Part no. 033 068 44.
- 2) When ordering a rotor or stator, thrust rings (item 17) and feeler gauge (item 62) must also be ordered for adjusting the correct air gap dimension.
- 3) Required air gap between stator bore and rotor: 0.45 mm.
- 4) For service in arduous conditions, galvanized brake surface.
- 5) Only for mechanical microspeed.



Main hoist motor KBH 125 B 4, Main/creep hoist motor KBH 125 B 2/12 - F 6

DH 400

Item	Part no.	Quantity	Designation		Material	RSP
1	7512833	1	Motor set KBH125B4 DH 300		230400AB50	
1	7512933	1	Motor set KBH125B2/12DH 300		400AB50	
3	35191533	1	Coupling set M H2N-32			
6	7963933	1	End shield set KBH125/300	1)		
7	7983533	1	Mounting parts set KB125			
8	75226133	1	Roller spider coupling H2			
10	7909933	1	Bearing and sealing set KB125			
13	7616133	1	Stator KBH125B /12A S	2), 3)	400V50	
13	7616633	1	Stator KBA125 B4 AB S	2), 3)	230/400V50	
17	7980833	1	Thrust ring set KB125	2), 3)		
19	7982233	1	Disc spring set KB 125			
20	7977684	1	Pressure spring GbBI 6,5x55,5x119	KBH 125 B4, 1001 N	KBH125	
20	7977784	1	Pressure spring GbGn 5,3x54,3x114	KBH 125 B2/12, 358 N	KBH125	
22	7931733	1	Rotor KBA125B 4 KUP S	2), 3)		
22	7935233	1	Rotor KBH125B12/2 K S	2), 3)		
27	7960633	1	End shield set BS KB 125			
33	7979133	1	Brake set light wide KB125	KBH 125 B4		
33	7979233	1	Brake set light small KB125	KBH 125 B2/12	schmal	
34	7978633	1	Conical brake ring KB125 b	KBH 125 B4	breit	
34	7978733	1	Conical brake ring KB125 s	KBH 125 B2/12	schmal	
35	7971433	1	Clamping nut set KB125			
39	7909733	1	Brake cover set ZN+STD	4)	KB125	
39	7909833	1	Brake cover set STD+STD		KB125	
59	6998533	1	Terminal box set KB100-125	c/w item 60		
60	6997433	1	Terminal box cover KB 100-125		Deckelset	
62	10015384	1	Feeler gauge set		KB 125	
65	89506144	1	Corrugated hose FFMYDNW17	5)	400017 SW	
66	82157044	1	Pipe socket M25X1,5 NW17	5)	PA 6.6	
68	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
70	79499544	1	Reduction M32-M25	5)	MS VERNI.	

21730144003

- 1) Sealing surfaces between motor and gearbox flange to be sealed with Loctite 573. Part no. 033 068 44.
- 2) When ordering a rotor or stator, thrust rings (item 17) and feeler gauge (item 62) must also be ordered for adjusting the correct air gap dimension.
- 3) Required air gap between stator bore and rotor: 0.45 mm.
- 4) For service in arduous conditions, galvanized brake surface.
- 5) Only for mechanical microspeed.



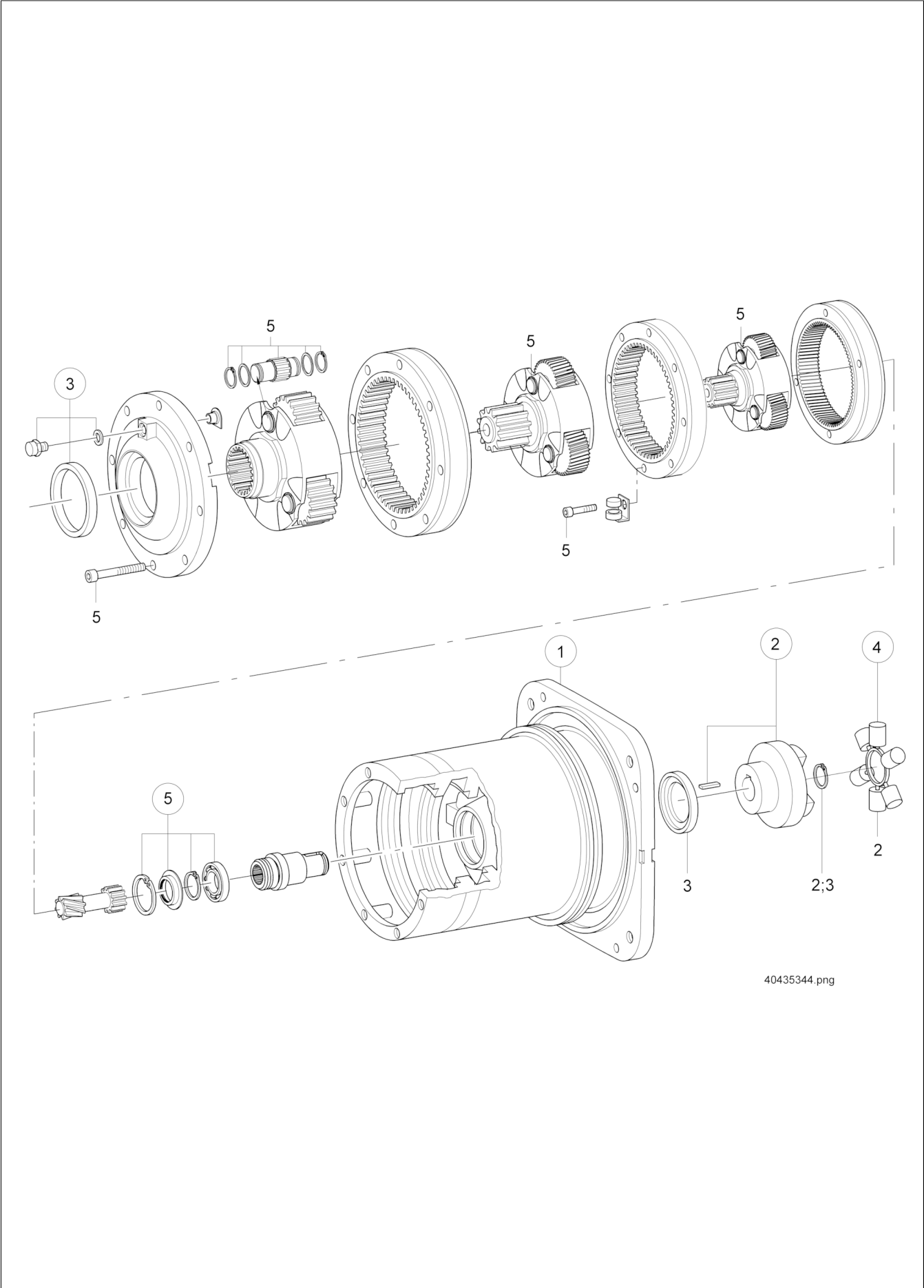
Item	Part no.	Quantity	Designation		Material	RSP
1	8008033	1	Motor set KBH140B2/12DH 300		400AB50	
3	35191533	1	Coupling set M H2N-32			
6	8463933	1	End shield set KBH140/300	1)		
7	8483533	1	Mounting parts set KB140			
8	75226133	1	Roller spider coupling H2			
10	8409933	1	Bearing and sealing set KB140			
13	8115033	1	Stator KBH140B 2/12 S	2), 3)	400V50	
17	8480833	1	Thrust ring set KB140	2), 3)		
19	75282233	1	Disc spring set KB 140			
20	8477784	1	Pressure spring GbGn 6 x 60 x 116	KBH 140 B2/12, 424 N	KBH140	
22	8434533	1	Rotor KBA140B 8/2 K S	KBH 140 B2/12, 2), 3)		
27	8460633	1	End shield set BS KB 140			
33	8479233	1	Brake set light small KB140			
34	8478733	1	Conical brake ring KB140 s		schmal	
35	8471433	1	Clamping nut set KB140			
39	8409733	1	Brake cover set ZN+STD	4)	KB140	
39	8409833	1	Brake cover set STD+STD		KB140	
59	6998533	1	Terminal box set KB100-125			
62	10015384	3	Feeler gauge set		KB 125	
68	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	

21730144004

1) Sealing surfaces between motor and gearbox flange to be sealed with Loctite 573. Part no. 033 068 44.
2) When ordering a rotor or stator, thrust rings (item 17) and feeler gauge (item 62) must also be ordered for adjusting the correct air gap dimension.
3) Required air gap between stator bore and rotor: 0.45 mm.
4) For service in arduous conditions, galvanized brake surface.

3-stage, planetary gear,
Planetary gear combination with relevant motor
for two hoist speeds

DH 400



3-stage, planetary gear, Planetary gear combination with relevant motor for two hoist speeds

DH 400

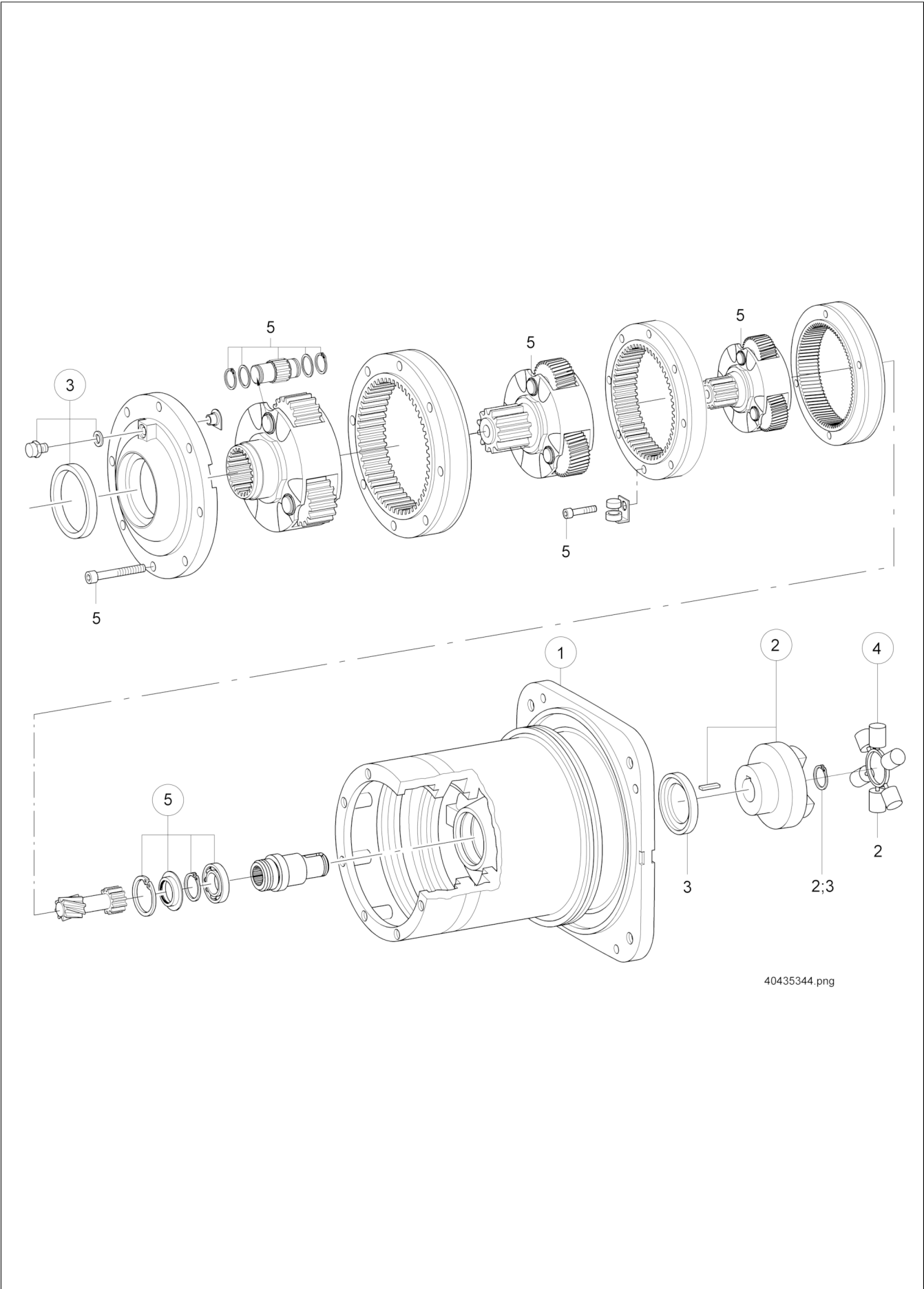
Item	Part no.	Quantity	Designation		Material	RSP
0			Gearbox for motor ZBA	1)		
1			Gearbox for motor KBH 112 B2/12	2), 3), 4)		
1	82273233	1	Gearbox set DH 300/400 3ST	DH 416, 412 V1, i = 172,9	I=172,9	
1	82273333	1	Gearbox set DH 300/400 3ST	DH 410 V1, i = 132,7	I=132,7	
1			Gearbox for motor KBH 125 B2/12	2), 3), 4)		
1	82273233	1	Gearbox set DH 300/400 3ST	DH 420 V2, i = 172,9	I=172,9	
1	82273333	1	Gearbox set DH 300/400 3ST	DH 416, 412 V2, i = 132,7	I=132,7	
1	82273433	1	Gearbox set DH 300/400 3ST	DH 410 V2, i = 102,7	I=102,7	
1			Gearbox for motor KBH 140 B2/12	2), 3), 4)		
1	82273333	1	Gearbox set DH 300/400 3ST	DH 410 V1, i = 132,7	I=132,7	
1	82273433	1	Gearbox set DH 300/400 3ST	DH 410 V2, i = 102,7	I=102,7	
1	82270533	1	Gearbox set DH 300/400 3ST	DH 416, 412 V3, i = 85,7	I= 85,7	
1	82273533	1	Gearbox set DH 300/400 3ST	DH 410 V3, i = 65,7	I= 65,7	
2	35193533	1	Coupling set G H2N-32			
3	82215033	1	Seal set DH 300/400		Getriebe	
4	75226133	1	Roller spider coupling H2			
5	82217033	1	Bearing set DH 300/ 400 3Stuf	5)	Getriebe	

21772544005

- 1) When ordering this sub-assembly (individual component parts are not supplied), please indicate the DH hoist serial number and order number. These data are specified on the rating plates.
- 2) When replacing a complete gearbox, it must always be ordered with a new drum bearing set.
- 3) Quantity 1.35 litre, part no. 472 930 44 (2.5 kg).
- 4) Cannot be used in connection with ZBA motors.
- 5) Sealing surfaces between gearbox cover, internally toothed wheel rim and gearbox housing to be sealed with Loctite 573. Part no. 033 068 44.

3-stage planetary gear,
Planetary gear combination with relevant motor
for one hoist speed

DH 400



3-stage planetary gear, Planetary gear combination with relevant motor for one hoist speed

DH 400

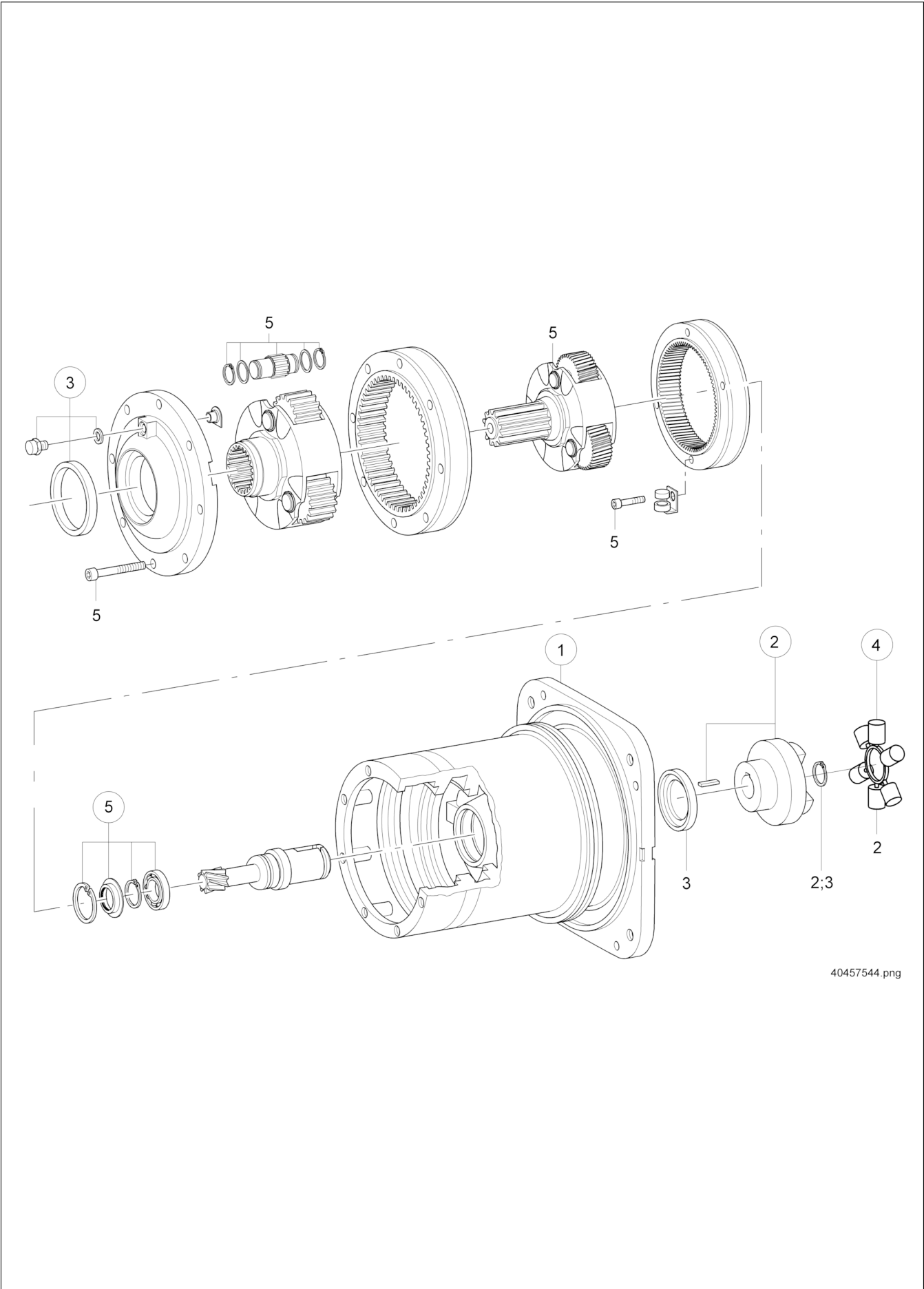
Item	Part no.	Quantity	Designation		Material	RSP
0			Gearbox for motor ZBA	1)		
1			Gearbox for motor KBH 100 B4	2), 3), 4)		
1	82273333	1	Gearbox set DH 300/400 3ST	DH 425 V1, i = 132,7	I=132,7	
1	82273433	1	Gearbox set DH 300/400 3ST	DH 420, 412 V1, i = 102,7	I=102,7	
1	82270533	1	Gearbox set DH 300/400 3ST	DH 416, 410 V1, i = 85,7	I= 85,7	
1			Gearbox for motor KBH 112 B4	2), 3), 4)		
1	82273433	1	Gearbox set DH 300/400 3ST	DH 425 V2, i = 102,7	I=102,7	
1	82270533	1	Gearbox set DH 300/400 3ST	DH 420 V2, i = 85,7	I= 85,7	
1	82273533	1	Gearbox set DH 300/400 3ST	DH 416, 412 V2, i = 65,7	I= 65,7	
1	82270733	1	Gearbox set DH 300/400 3ST	DH 410 V2, i = 50,9	I= 50,9	
1			Gearbox for motor KBH 125 B4	2), 3), 4)		
1	82273533	1	Gearbox set DH 300/400 3ST	DH 425 V3, i = 65,7	I= 65,7	
1	82270733	1	Gearbox set DH 300/400 3ST	DH 420 V3, i = 50,9	I= 50,9	
2	35193533	1	Coupling set G H2N-32			
3	82215033	1	Seal set DH 300/400		Getriebe	
4	75226133	1	Roller spider coupling H2			
5	82217033	1	Bearing set DH 300/ 400 3Stuf	5)	Getriebe	

21772544006

- 1) When ordering this sub-assembly (individual component parts are not supplied), please indicate the DH hoist serial number and order number. These data are specified on the rating plates.
- 2) When replacing a complete gearbox, it must always be ordered with a new drum bearing set.
- 3) Quantity 1.35 litre, part no. 472 930 44 (2.5 kg).
- 4) Cannot be used in connection with ZBA motors.
- 5) Sealing surfaces between gearbox cover, internally toothed wheel rim and gearbox housing to be sealed with Loctite 573. Part no. 033 068 44.

2-stage planetary gear,
Planetary gear combination with relevant motor
for one hoist speed

DH 400



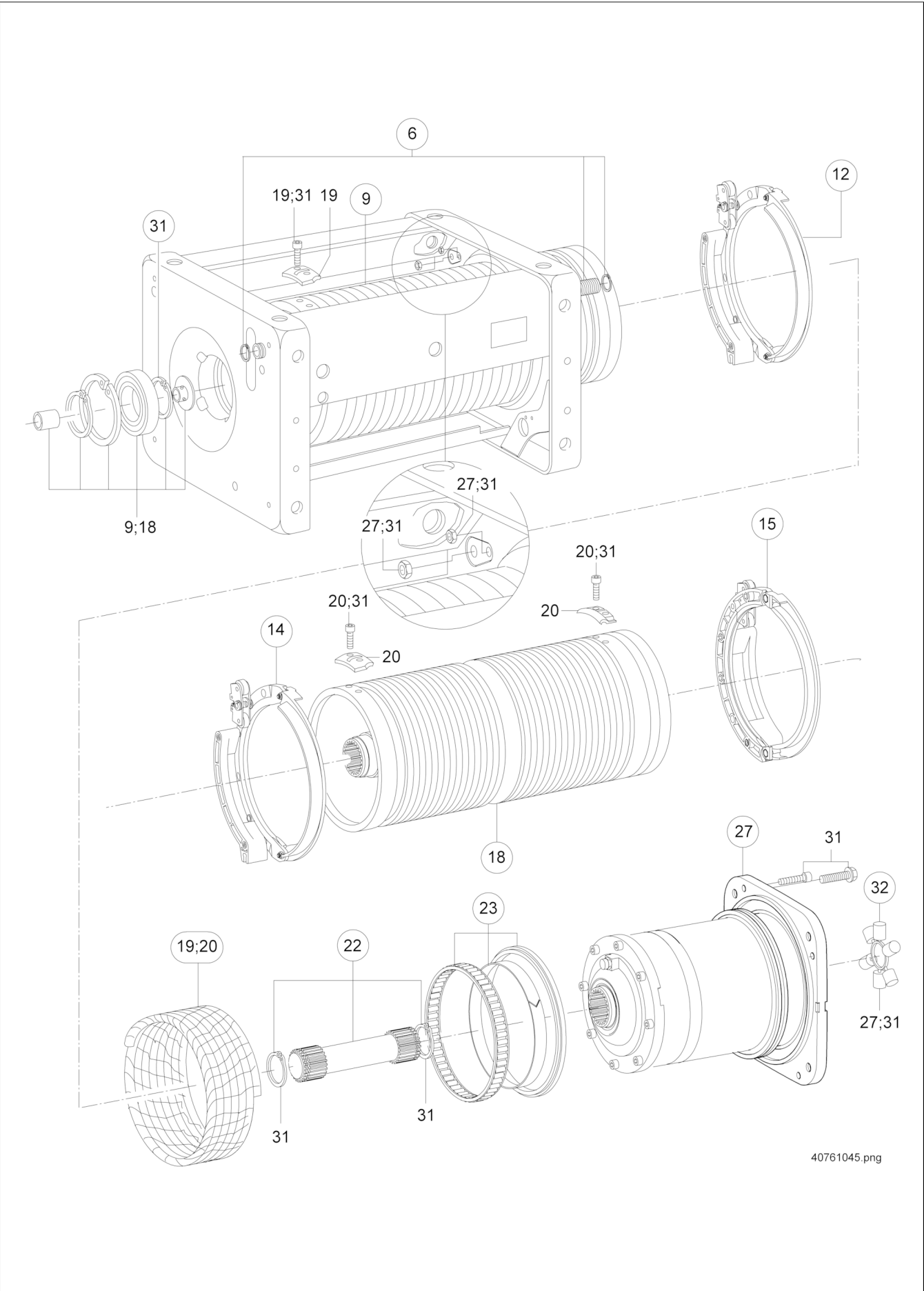
2-stage planetary gear,
Planetary gear combination with relevant motor
for one hoist speed

DH 400

Item	Part no.	Quantity	Designation		Material	RSP
0			Gearbox for motor ZBA	1)		
1			Gearbox for motor KBH 125 B4	2), 3), 4)		
1	82271133	1	Gearbox set DH 300/400 2ST	DH 416, 412 V3, i = 44,3	I= 44,3	
1	82271233	1	Gearbox set DH 300/400 2ST	DH 410 V3, i = 34,3	I= 34,3	
2	35193533	1	Coupling set G H2N-32			
3	82215033	1	Seal set DH 300/400		Getriebe	
4	75226133	1	Roller spider coupling H2			
5	82216933	1	Bearing set DH 300/ 400 2Stuf	5)	Getriebe	

21772544007

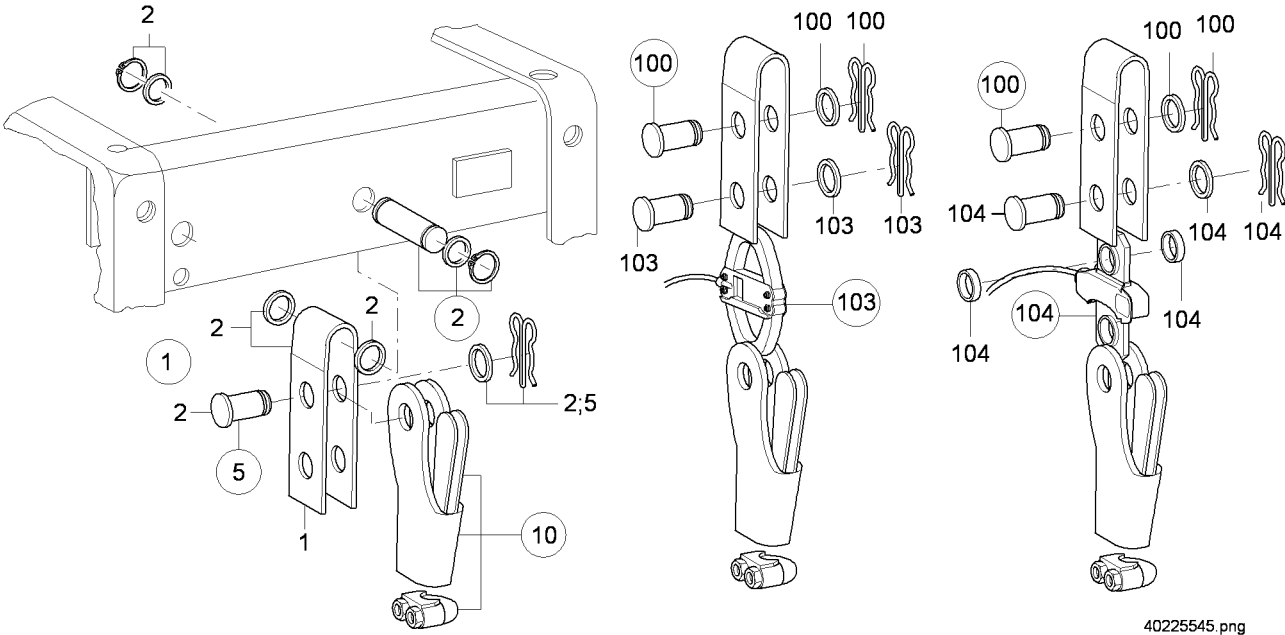
- 1) When ordering this sub-assembly (individual component parts are not supplied), please indicate the DH hoist serial number and order number. These data are specified on the rating plates.
- 2) When replacing a complete gearbox, it must always be ordered with a new drum bearing set.
- 3) Quantity 1.35 litre, part no. 472 930 44 (2.5 kg).
- 4) Cannot be used in connection with ZBA motors.
- 5) Sealing surfaces between gearbox cover, internally toothed wheel rim and gearbox housing to be sealed with Loctite 573. Part no. 033 068 44.



Item	Part no.	Quantity	Designation		Material	RSP
6	82276833	1	Frame DH 300/400 H12		Set Kombi	
6	82277033	1	Frame DH 300/400 H20		Set Kombi	
9	82230233	1	Rope drum 1ril H12 11	1/1, 2/1, 4/1	DH 300/400	
9	82230433	1	Rope drum 1ril H20 11	1/1, 2/1, 4/1	DH 300/400	
12	82280233	1	Rope guide left 3-4/11	1/1, 2/1, 4/1, Acid-Resistant	PA12 L1700	
12	82285033	1	Rope guide left set V. 3-4/11	1/1, 2/1, 4/1, Acid-Resistant, reinforced	PA12 TYP S	
14	82281133	1	Rope guide left 3-4/ 7,5	2/2, 4/2, Acid-Resistant	PA12 L1700	
14	82286033	1	Rope guide left set V. 3-4/ 7,5	2/2, 4/2, Acid-Resistant, reinforced	PA12 TYP S	
15	82282133	1	Rope guide right 3-4/ 7,5	2/2, 4/2, Acid-Resistant	PA12 L1700	
15	82286233	1	Rope guide right set V. 3-4/ 7,5	2/2, 4/2, Acid-Resistant, reinforced	PA12 TYP S	
18	82231233	1	Rope drum 2ril H12 7,5	2/2, 4/2	DH 300/400	
18	82231433	1	Rope drum 2ril H20 7,5	2/2, 4/2	DH 300/400	
19	82244033	1	Wire rope set DH3/400 11 H12 1/1	DH 420, 1)	27,4m	
19	82244133	1	Wire rope set DH3/400 11 H12 1/1	DH 416, 412, 410, 1)	27,4m	
19	82244233	1	Wire rope set DH3/400 11 H20 1/1	DH 420, 1)	43,6m	
19	82244333	1	Wire rope set DH3/400 11 H20 1/1	DH 416, 412, 410, 1)	43,6m	
19	82248533	1	Wire rope set DH 400 11 H12 2/1	DH 410	28,4m	
19	82248633	1	Wire rope set DH3/400 11 H20 2/1	DH 425, 420, 416, 412	44,4m	
19	82248733	1	Wire rope set DH 400 11 H20 2/1	DH 410	44,6m	
19	82248833	1	Wire rope set DH 400 11 H12 4/1	DH 410	30,3m	
19	82248933	1	Wire rope set DH 400 11 H20 4/1	DH 410	46,5m	
19	82249233	1	Wire rope set DH3/400 11 H20 4/1	DH 425, 420, 416, 412	45,9m	
19	82249433	1	Wire rope set DH3/400 11 H12 4/1	DH 425, 420, 416, 412	29,6m	
19	82249533	1	Wire rope set DH3/400 11 H12 2/1	DH 425, 420, 416, 412	28,2m	
20	82245333	1	Wire rope set DH3/400 7 H12 2/2	DH 416, 412, 410, 1)	2x 16,6m	
20	82245433	1	Wire rope set DH3/400 7 H20 2/2	DH 416, 412, 410, 1)	2x 28,0m	
20	82247133	1	Wire rope set DH3/400 7,5H12 4/2	DH 425, 420, 416, 412	34,0m	
20	82247233	1	Wire rope set DH3/400 7,5H20 4/2	DH 425, 420, 416, 412	56,8m	
20	82247933	1	Wire rope set DH 400 7,5H12 4/2	DH 410	34,5m	
20	82248033	1	Wire rope set DH 400 7,5H20 4/2	DH 410	57,3m	
22	82217633	1	Plug-in shaft DH 300/400 H12	2)		
22	82217733	1	Plug-in shaft DH 300/400 H20	2)		
23	82236533	1	Installation kit drum bearing 30Brt	3)	DH 300/400	
27			Gearbox	4), 5), 6)		
31	82209633	1	Mounting parts set DH 300/400			
32	75226133	1	Roller spider coupling H2			

21772544008

- 1) For units fitted with a hook with fittings.
- 2) Geared parts to be greased with Staburags NBU 12 K, part no. 472 933 44.
- 3) Grease compartment and roller bearing to be semi-filled with 70 g Staburags NBU 12 K, part no. 472 933 44 (100 g).
- 4) Sealing surfaces between motor and gearbox flange to be sealed with Loctite 573. Part no. 033 068 44.
- 5) Spare parts see chapter "Planetary gearbox".
- 6) When replacing a complete gearbox, it must always be ordered with a new drum bearing set.



40225545.png

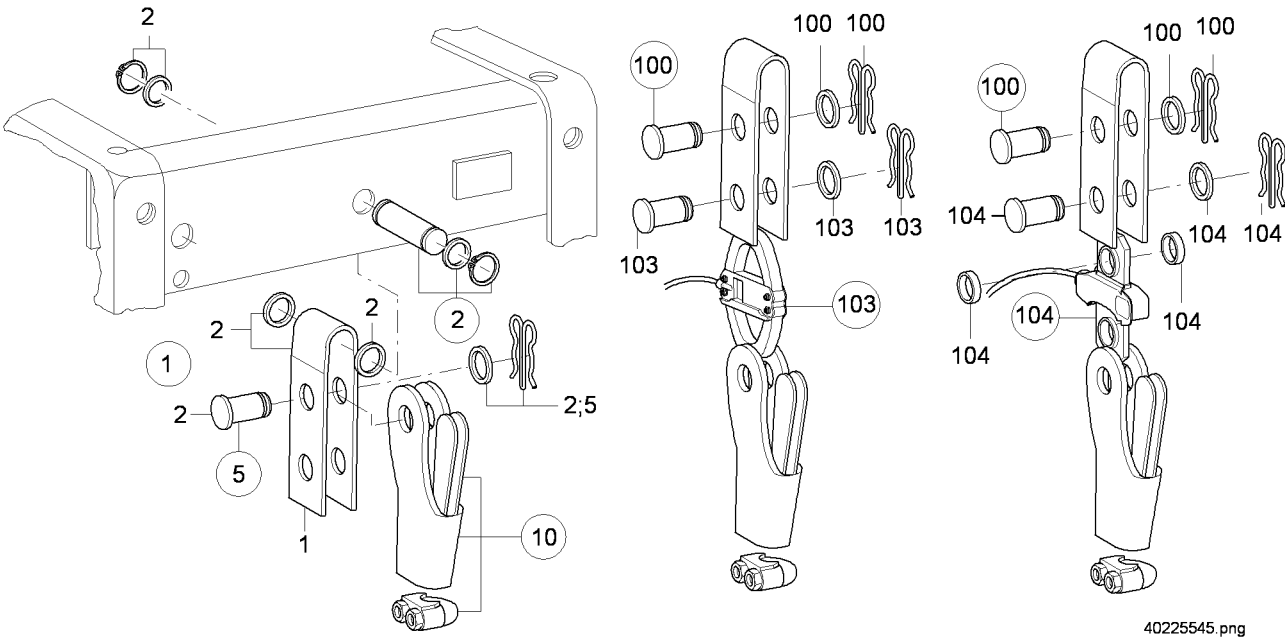
Item	Part no.	Quantity	Designation		Material	RSP
1	82830133	1	Rope wedge crosshead 425 Set	c/w items 2, 5, 10, 1), 2)	DH 400	
2	82357933	1	Pin connection set 2/1	2)	DH 400	
5	82358033	1	Bolt connection set + spring clip	3)	25x65	
10	82821833	1	Rope anchorage set DH425 2/1		DH500	
100	82358033	1	Bolt connection set + spring clip	3)	25x65	
103	49159233	1	Unit MGS 2,5 T Set	DH 425	DH400/600	
104	49139233	1	Strain gauge car.link set ZMS 2,50t	DH 425	P 400	

21772544009

1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) After fitting, it must be possible to turn the retaining ring easily.
3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.

Rope retaining crosshead,
2/1 reeving

DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m
DH 410 - 4m



40225545.png

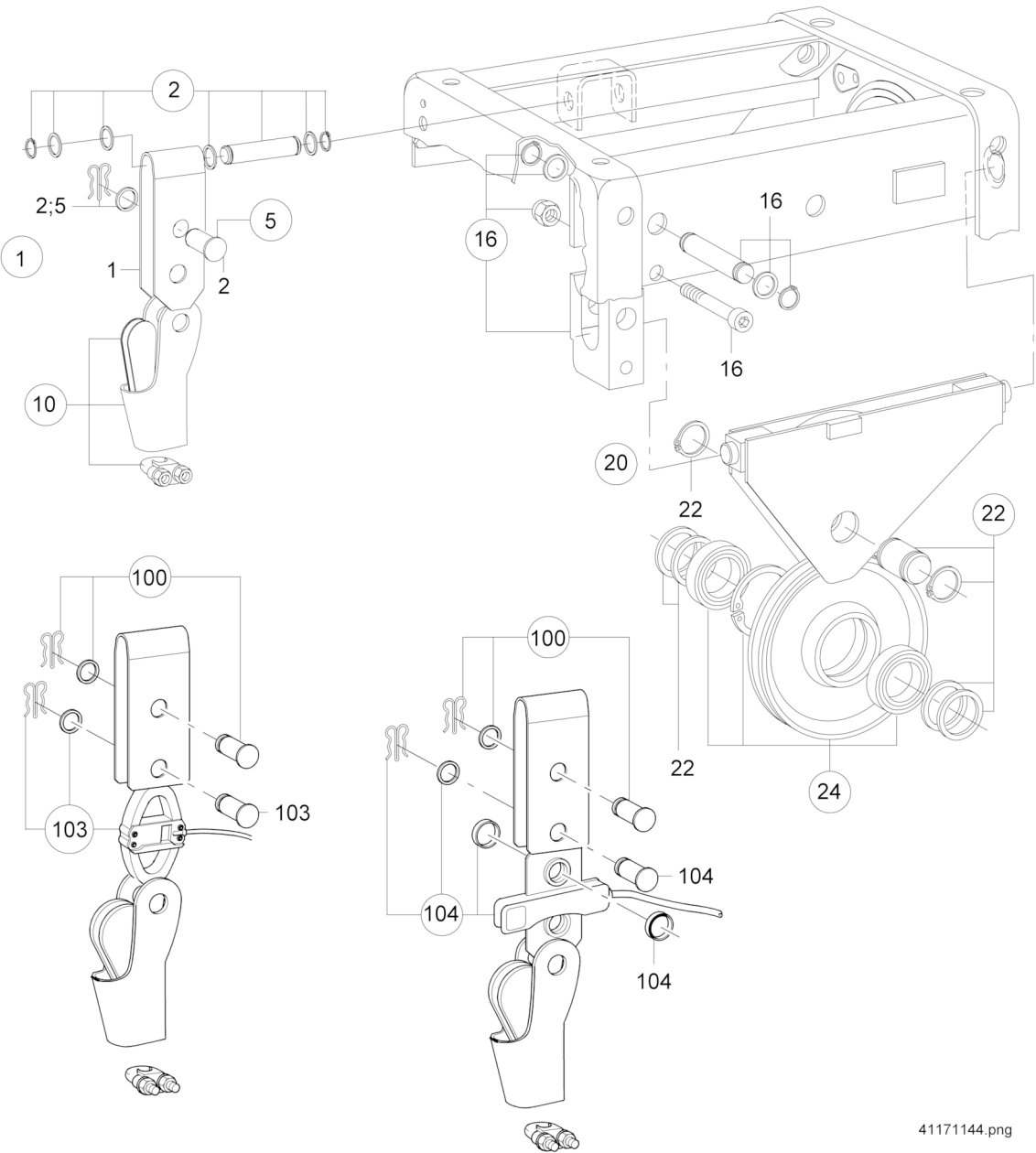
Rope retaining crosshead, 2/1 reeving

DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m
DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	82830033	1	Rope wedge crosshead 3-400 2/1	c/w items 2, 5, 10, 1), 2)	Set	
2	82357933	1	Pin connection set 2/1	2)	DH 400	
5	82258033	1	Bolt connection set + spring clip	3)	20x56	
10	82811233	1	Rope anchorage set DH300/400			
100	82258033	1	Bolt connection set + spring clip	3)	20x56	
103	49159633	1	Unit MGS 1,6 T Set	DH 416	DH300/400	
103	49160544	1	Unit MGS 2,0 T	DH 420	DH 320	
103	49169633	1	Unit MGS 1,25 T Set	DH 412	DH212,312	
103	49179633	1	Unit MGS 1,0 T Set	DH 410	DH210,310	
104	49160033	1	Strain gauge car.link set ZMS 2,00t	DH 420, 416, 412, 410	DH300/500	

21772544010

- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) After fitting, it must be possible to turn the retaining ring easily.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.



Rope retaining crosshead and return sheave 225/11, 4/1 reeving

DH 425

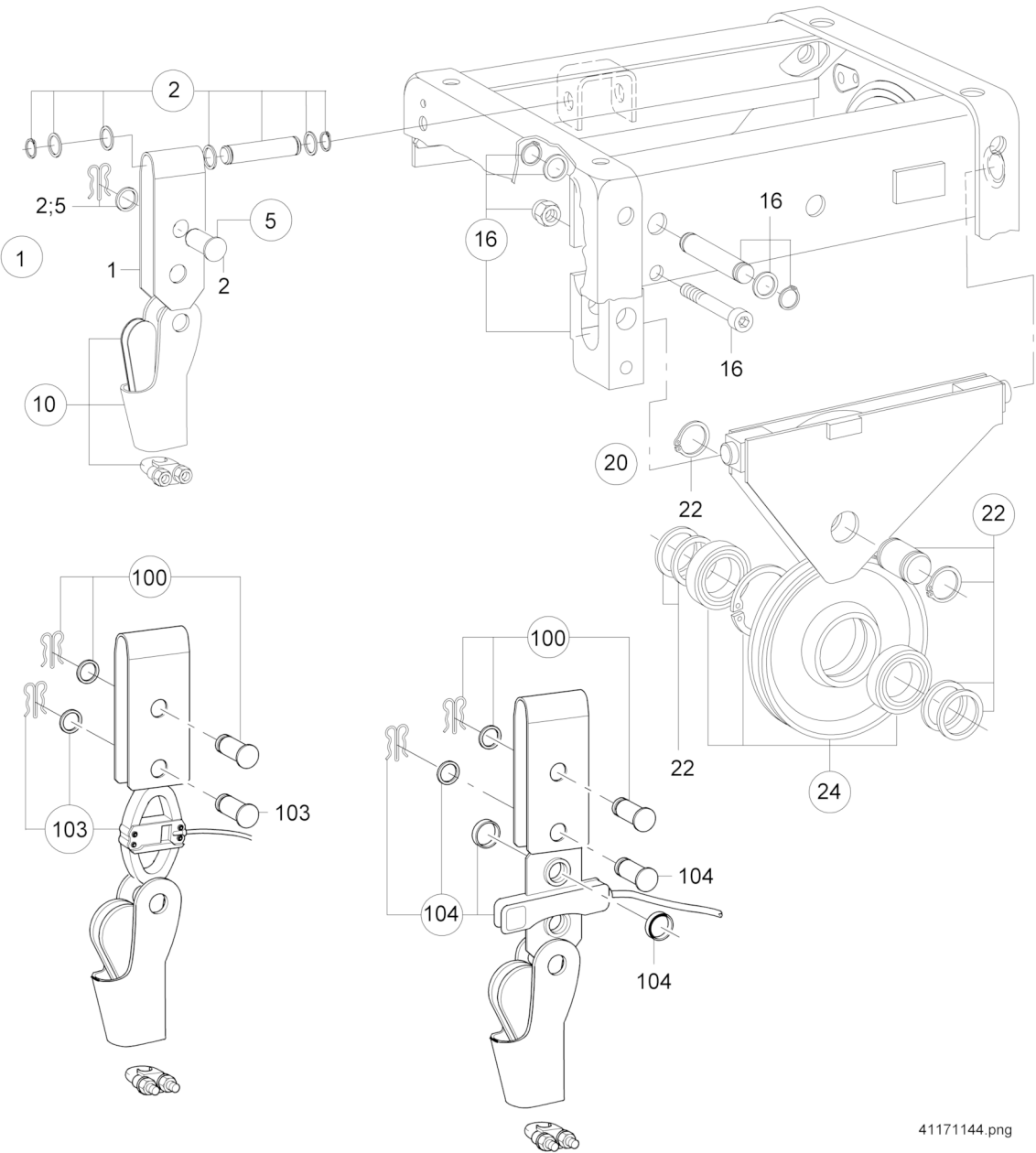
Item	Part no.	Quantity	Designation		Material	RSP
1	82830133	1	Rope wedge crosshead 425 Set	c/w items 2, 10, 1), 2)	DH 400	
2	82357933	1	Pin connection set 2/1	4/1, 2)	DH 400	
5	82358033	1	Bolt connection set + spring clip	3)	25x65	
10	82821833	1	Rope anchorage set DH425 2/1		DH500	
16	82815833	1	Mounting parts top block Set		DH 300	
20	82814033	1	Top block set 225 11 4/1	c/w items 22, 24, 1)	DH 3-400	
22	82815433	1	Bolt top block DH3-600		45x72	
24	82911233	1	Rope sheave set 225/11		DH 300	
100	82358033	1	Bolt connection set + spring clip	3)	25x65	
103	49159233	1	Unit MGS 2,5 T Set	DH 425	DH400/600	
104	49139233	1	Strain gauge car.link set ZMS 2,50t	DH 425	P 400	

21772544011

- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) After fitting, it must be possible to turn the retaining ring easily.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.

Rope retaining crosshead and return sheave 225/11,
4/1 reeving

DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m



Rope retaining crosshead and return sheave 225/11, 4/1 reeving

DH 420 - 1Am

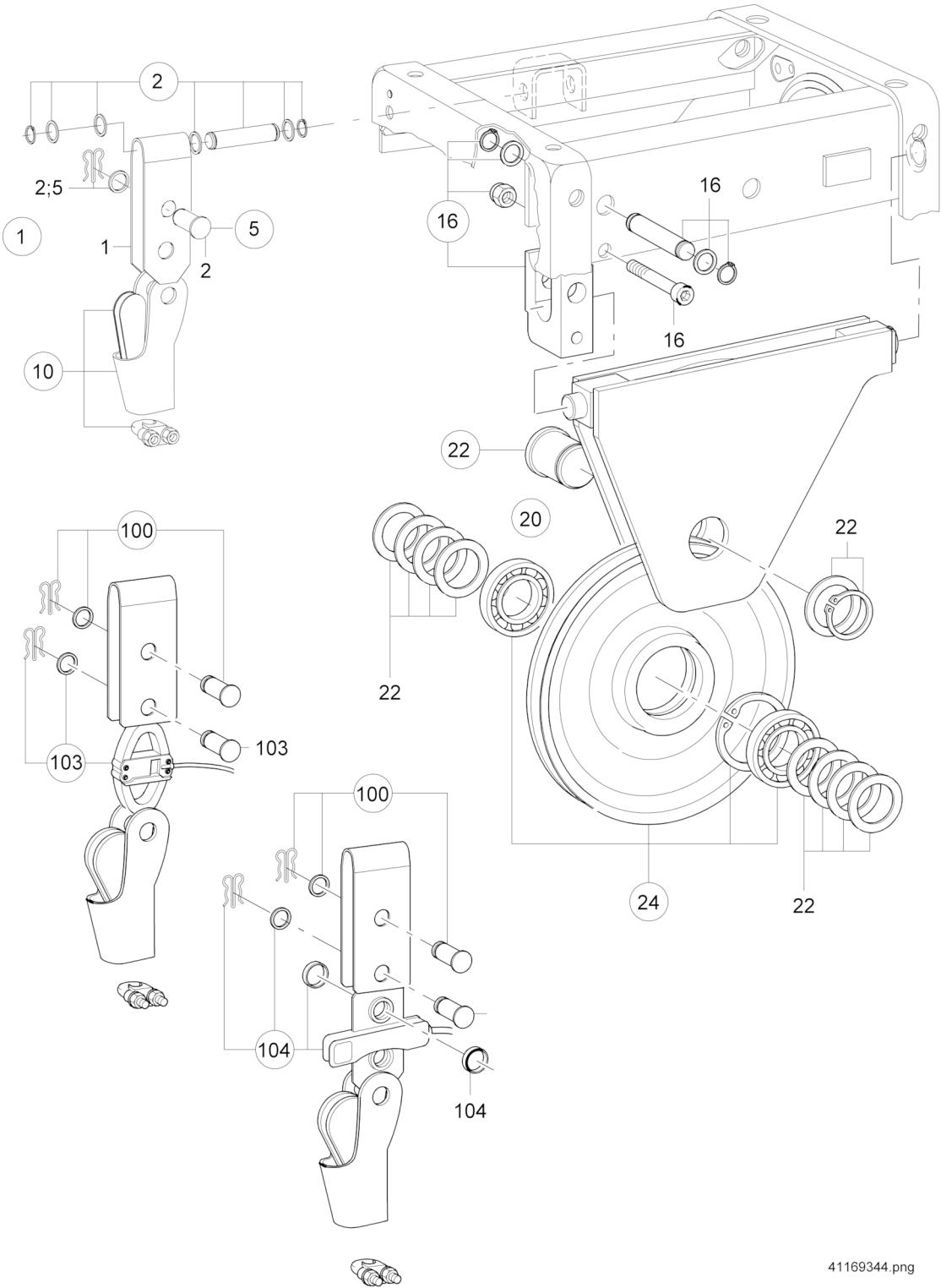
DH 416 - 2m

DH 412 - 3m

Item	Part no.	Quantity	Designation		Material	RSP
1	82830033	1	Rope wedge crosshead 3-400 2/1	c/w items 2, 10, 1), 2)	Set	
2	82357933	1	Pin connection set 2/1	4/1, 2)	DH 400	
5	82258033	1	Bolt connection set + spring clip	3)	20x56	
10	82811233	1	Rope anchorage set DH300/400			
16	82815833	1	Mounting parts top block Set		DH 300	
20	82814033	1	Top block set 225 11 4/1	c/w items 22, 24, 1)	DH 3-400	
22	82815433	1	Bolt top block DH3-600		45x72	
24	82911233	1	Rope sheave set 225/11		DH 300	
100	82258033	1	Bolt connection set + spring clip	3)	20x56	
103	49159633	1	Unit MGS 1,6 T Set	DH 416	DH300/400	
103	49160544	1	Unit MGS 2,0 T	DH 420	DH 320	
103	49169633	1	Unit MGS 1,25 T Set	DH 412	DH212,312	
104	49160033	1	Strain gauge car.link set ZMS 2,00t	DH 420, 416, 412	DH300/500	

21772544012

- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) After fitting, it must be possible to turn the retaining ring easily.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.



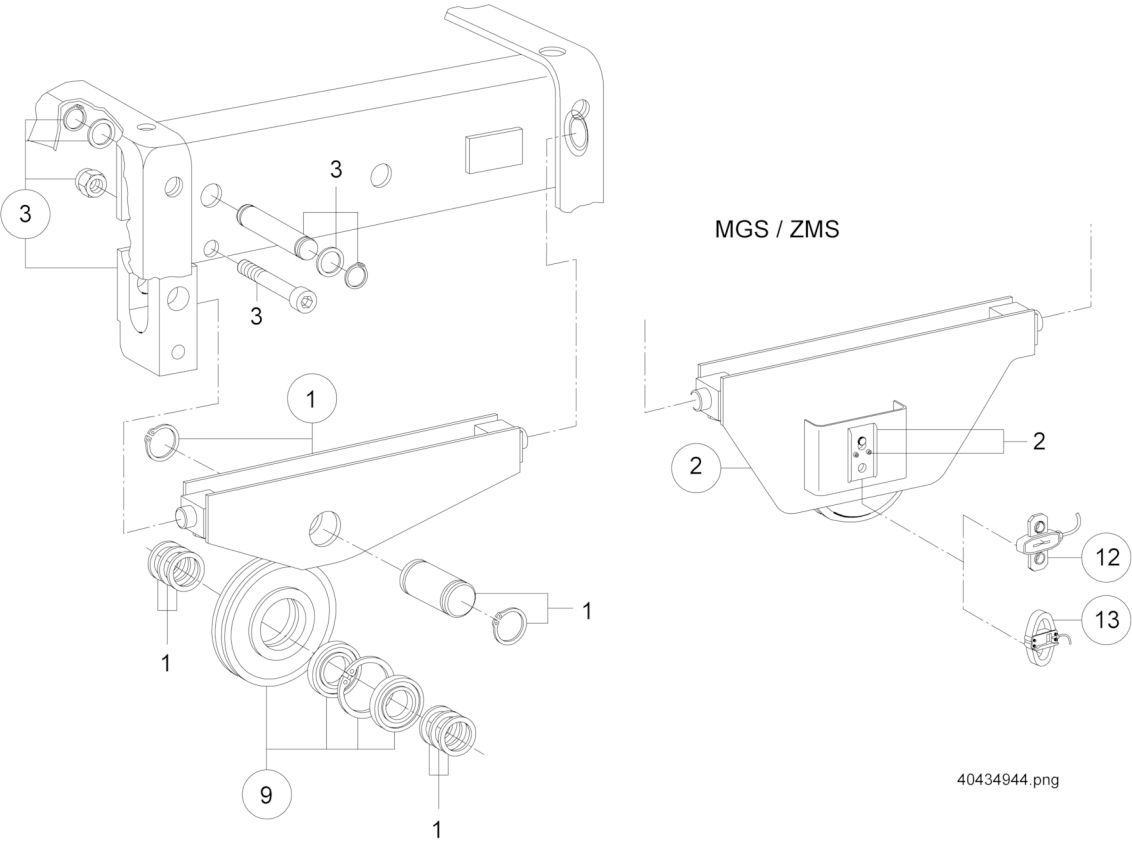
Rope retaining crosshead and return sheave 280/11, 4/1 reeving

DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	82830033	1	Rope wedge crosshead 3-400 2/1	c/w items 2, 10, 1), 2)	Set	
2	82357933	1	Pin connection set 2/1	4/1, 2)	DH 400	
5	82258033	1	Bolt connection set + spring clip	3)	20x56	
10	82811233	1	Rope anchorage set DH300/400			
16	82815833	1	Mounting parts top block Set		DH 300	
20	82816033	1	Top block set 280 11 4/1	c/w items 22, 24, 1)	DH 3-400	
22	82883333	1	Setbolt DH 3-600		55x75,5	
24	82968533	1	Rope sheave set 280/11,3	3-600 KG-L	DH 300	
100	82258033	1	Bolt connection set + spring clip	3)	20x56	
103	49179633	1	Unit MGS 1,0 T Set	DH 410	DH210,310	
104	49160033	1	Strain gauge car.link set ZMS 2,00t	DH 410	DH300/500	

21772544013

- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) After fitting, it must be possible to turn the retaining ring easily.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.



Compensating sheave 112/7,5, 4/2 reeving - H12 - H20

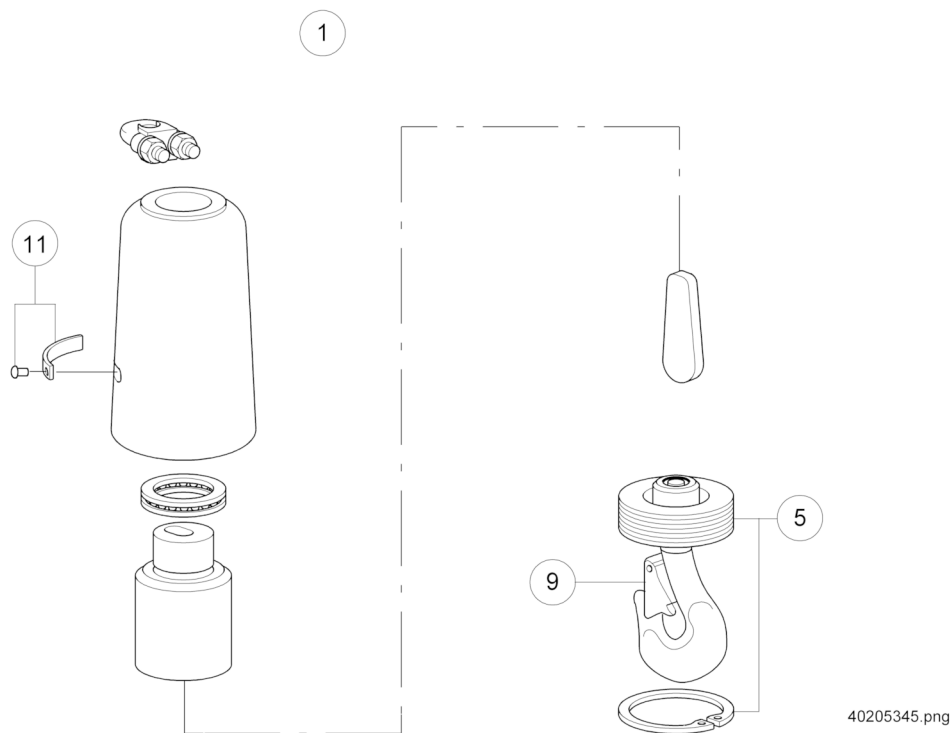
DH 400

Item	Part no.	Quantity	Designation		Material	RSP
1	82817033	1	Compensating sheave set 112/ 7,5 H12	c/w item 9, 1)	DH 3-400	
1	82817233	1	Compensating sheave set 112/ 7,5 H20	c/w item 9, 1)	DH 3-400	
2	90478946	1	Compensating sheave DH 425 H12	MGS, c/w item 9, 1)	MGS 4/2	
2	90479146	1	Compensating sheave DH 425 H20	MGS, c/w item 9, 1)	MGS 4/2	
2	90479446	1	Compensating sheave DH300400H12	ZMS, c/w item 9, 1)	ZMS 4/2	
2	90479646	1	Compensating sheave DH310410H12	MGS, c/w item 9, 1)	MGS4/2	
2	90479746	1	Compensating sheave DH312412H12	MGS, c/w item 9, 1)	MGS4/2	
2	90479846	1	Compensating sheave DH316416H12	MGS, c/w item 9, 1)	MGS4/2	
2	90479946	1	Compensating sheave DH320420H12	MGS, c/w item 9, 1)	MGS4/2	
2	90480046	1	Compensating sheave DH300400H20	ZMS, c/w item 9, 1)	ZMS4/2	
2	90480246	1	Compensating sheave DH310410H20	MGS, c/w item 9, 1)	MGS4/2	
2	90480346	1	Compensating sheave DH312412H20	MGS, c/w item 9, 1)	MGS4/2	
2	90480446	1	Compensating sheave DH316416H20	MGS, c/w item 9, 1)	MGS4/2	
2	90480546	1	Compensating sheave DH320420H20	MGS, c/w item 9, 1)	MGS4/2	
3	82815833	1	Mounting parts top block Set	1)	DH 300	
9	82819033	1	Rope sheave set 112 7,5		DH 300	
12	49160044	1	Strain gauge carr. link ZMS 2,00t DH300	DH 420-410		
12	49139233	1	Strain gauge car.link set ZMS 2,50t	DH 425	P 400	
13	49179144	1	Unit MGS 0,624T	DH 410	DH166,P,PL	
13	49169144	1	Unit MGS 0,8 T	DH 412	DH168,P,PL	
13	49179644	1	Unit MGS 1,0 T	DH 416	DH 210,310	
13	49169644	1	Unit MGS 1,25 T	DH 420	DH 212,312	
13	49169644	1	Unit MGS 1,25 T	DH 425	DH 212,312	

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Hook with fittings,
1/1 reeving

DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m
DH 410 - 4m



Hook with fittings,
1/1 reeving

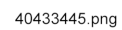
DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m
DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	59351033	1	Hook fittings 1/1		P400/DH300	
5	59352533	1	Simple load hook Gr. 1S	c/w item 9	1/1	
9	34182433	1	Hook safety catch 1			
11	71392133	1	Capacity plate set Neutral 1/1		P/DH	
						21772544014

Bottom block 225/11,
2/1 reeving

DH 420 - 1Am

DH 412 - 3m

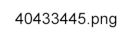


Bottom block 225/11,
2/1 reeving

DH 425 - 1Bm
DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m

Item	Part no.	Quantity	Designation		Material	RSP
1	82911133	1	Single-sheave bott.block 225/11		DH300/400	
2	47925533	1	Rope sheave hood set 225 2/1	c/w item 21	P / DH	
6	82911233	1	Rope sheave set 225/11		DH 300	
10	47930533	1	Set of pins 225 45x 98 2/1		Unterfl.	
14	15084233	1	Simple hook with cross beam BSN 1,6T			
15	59217033	1	Hook safety catch 1,6			
16	15084433	1	Double hook with cross beam BSN 1,6-T			
19	34187433	1	Hook safety catch E 1 /D 1- 2		K060-1.1,6	
21	71390033	1	Capacity plate set Neutral		DH / DR	

21772544015



Bottom block 280/11, 2/1 reeving

DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	82921533	1	Single-sheave bott.block 280/11,3		DH 400	
2	70587933	1	Rope sheave hood set 2/1 4m	c/w item 21		
6	82968533	1	Rope sheave set 280/11,3		DH 300	
10	82920933	1	Pin bottom block DH400		55x121	
14	15084333	1	Simple hook with cross beam BSN 2,5T	c/w item 15		
15	34182633	1	Hook safety catch 2,5			
16	15084533	1	Double hook with cross beam BSN 2,5-T	c/w item 19		
19	34187433	1	Hook safety catch E 1 /D 1- 2		K060-1.1,6	
21	71390033	1	Capacity plate set Neutral		DH / DR	

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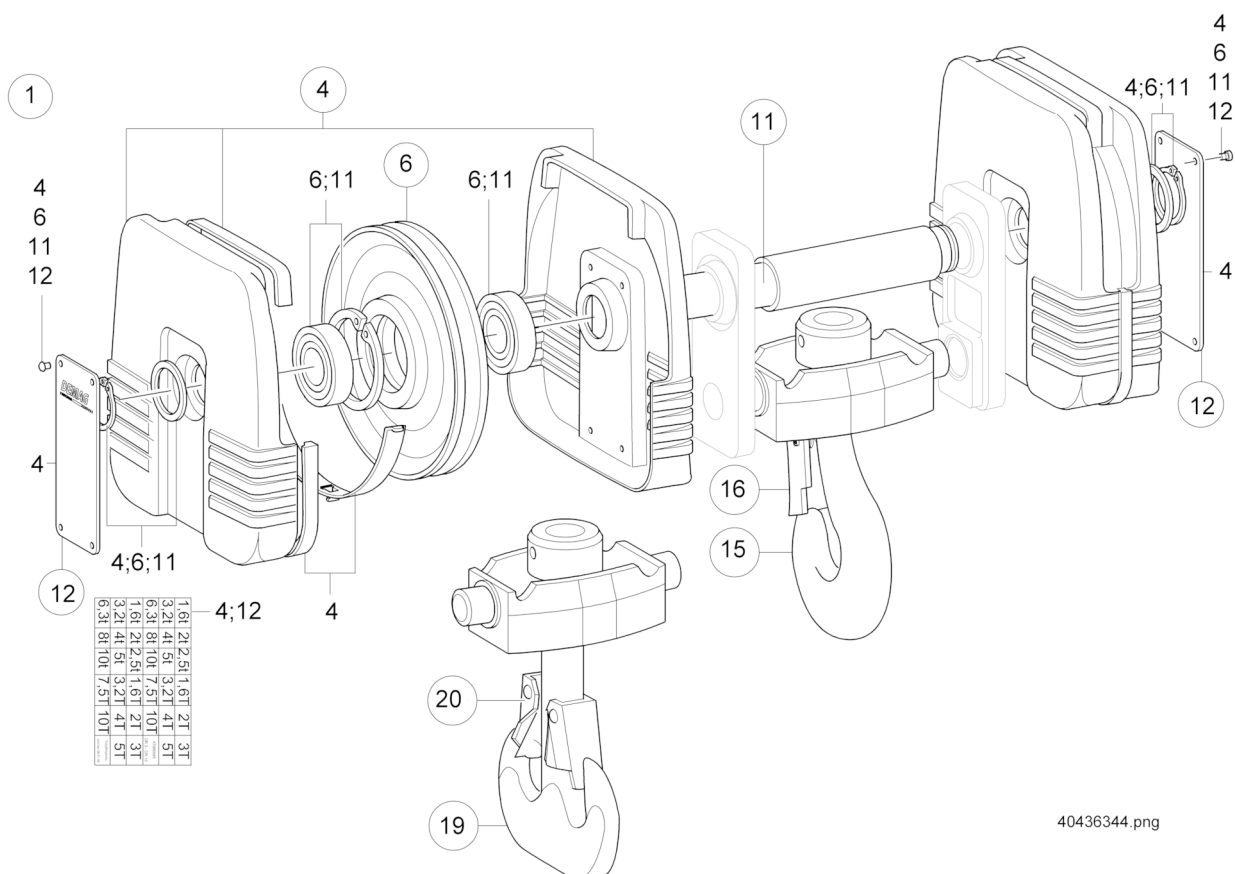
Bottom block 225/11,
4/1 reeving

DH 425 - 1Bm

DH 420 - 1Am

DH 416 - 2m

DH 412 - 3m



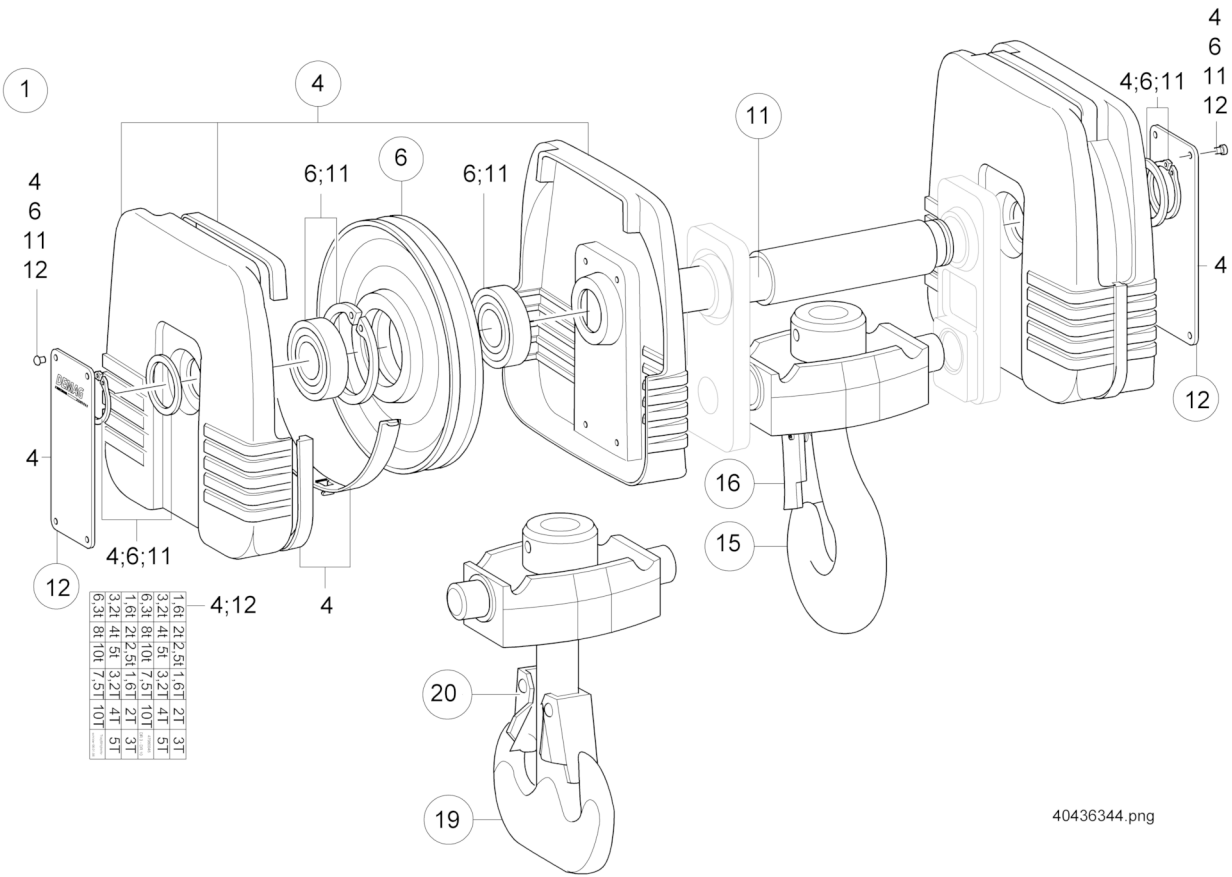
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Bottom block 225/11,
4/1 reeving

DH 425 - 1Bm
DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m

Item	Part no.	Quantity	Designation		Material	RSP
1	82912533	1	Bottom block 2-sheave 225/11		DH 400	
4	70598233	1	Rope sheave hood set 4/1, 4/2	c/w item 12		
6	82911233	2	Rope sheave set 225/11		DH 300	
11	47930733	1	Set of pins 225 45x316 4/1		Unterfl.	
12	71390033	1	Capacity plate set Neutral		DH / DR	
15	82914133	1	Simple hook with cross beam GSN 4 P	c/w item 16		
16	34182733	1	Hook safety catch 4			
19	82914933	1	Double load hook GSN 4 +TRAV	c/w item 20		
20	34187733	1	Hook safety catch E 2- 4/D 4- 5		K060-2,5.4	

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Bottom block 280/11, 4/1 reeving

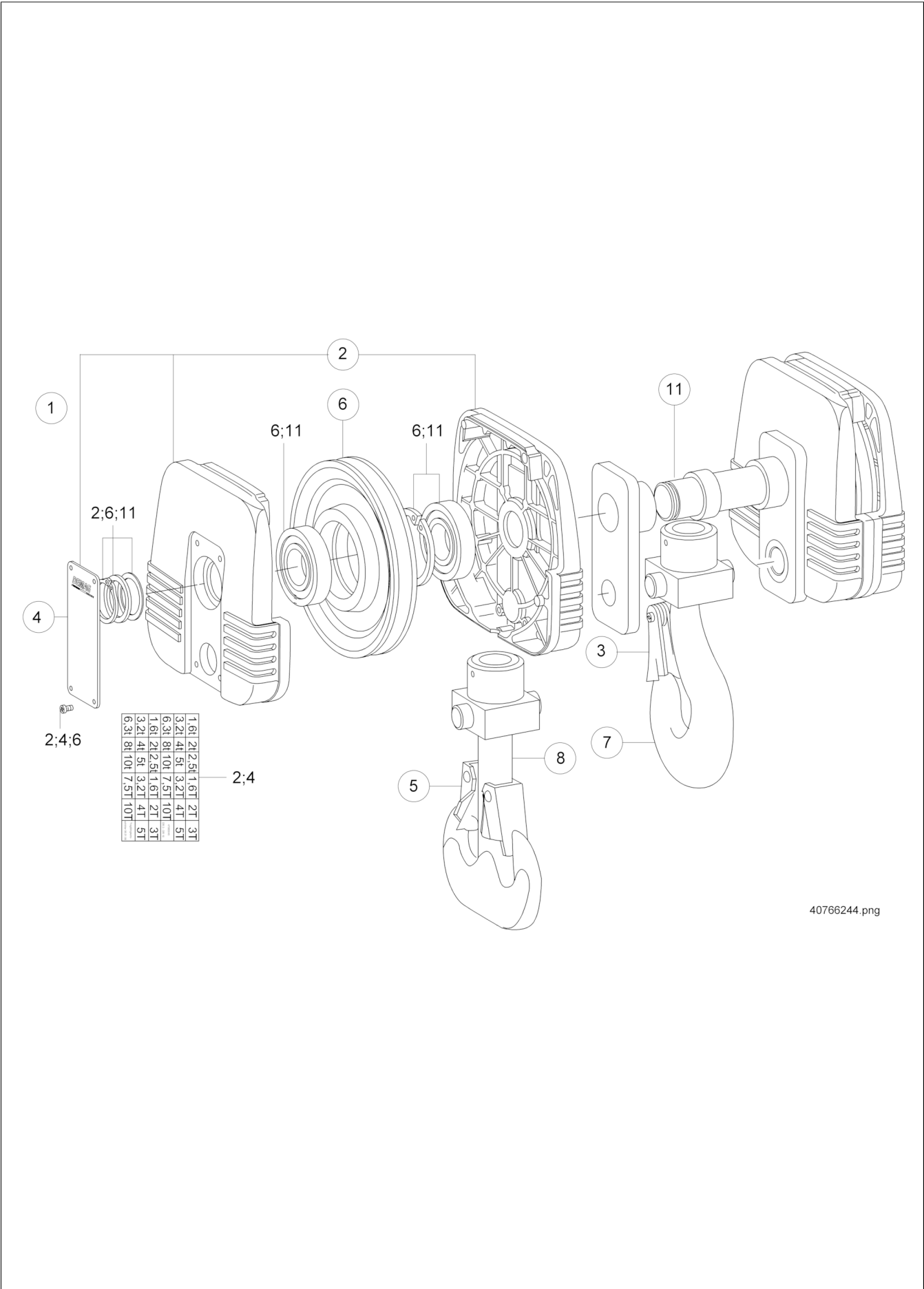
DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	82915033	1	Bottom block 2-sheave 280/11,3		DH 400	
4	70598333	1	Rope sheave hood set 4/1 4m	c/w item 12		
6	82968533	2	Rope sheave set 280/11,3		DH 300	
11	82915133	1	Pin bottom block DH400		55x399	
12	71390033	1	Capacity plate set Neutral		DH / DR	
15	82914233	1	Simple hook with cross beam GSN 4 P		DH 300/400	
16	34182733	1	Hook safety catch 4			
19			Double load hook GSN 4	no longer available		
20	34187733	2	Hook safety catch E 2- 4/D 4- 5		K060-2,5.4	

21772544018

Bottom block 160/7,5,
4/2 reeving

DH 425 - 1Bm
DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m

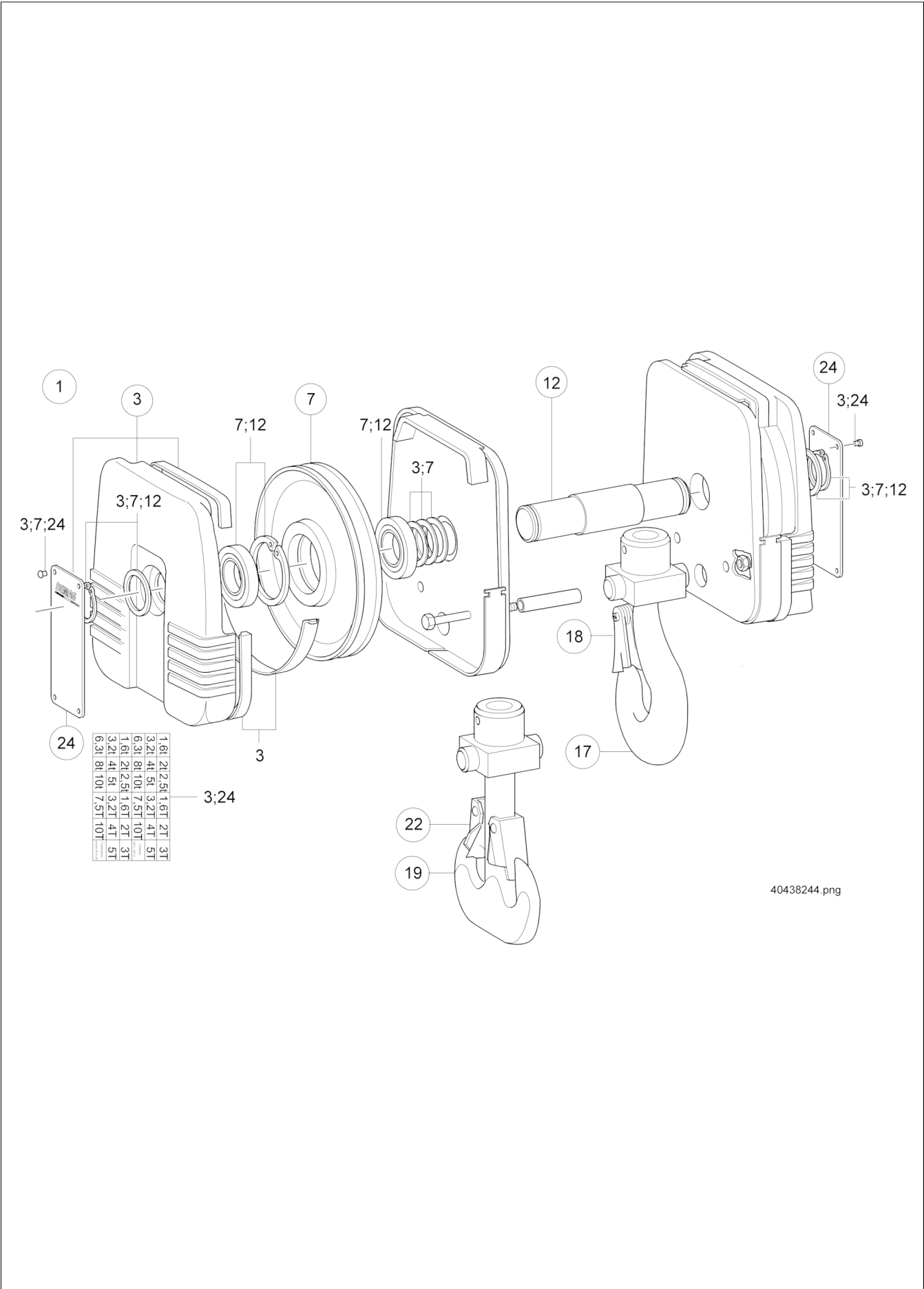


Bottom block 160/7,5, 4/2 reeving

DH 425 - 1Bm
DH 420 - 1Am
DH 416 - 2m
DH 412 - 3m

Item	Part no.	Quantity	Designation		Material	RSP
1	82915533	1	Bottom block 2-sheave 160/ 7,5		DH/DR5 4/2	
2	70398233	1	Rope sheave hood set 4/2	c/w item 4		
3	59217033	1	Hook safety catch 1,6			
4	71390033	1	Capacity plate set Neutral		DH / DR	
5	34187433	1	Hook safety catch E 1 /D 1- 2		K060-1.1,6	
6	82901433	2	Rope sheave set 160/ 9 DH			
7	15084233	1	Simple hook with cross beam BSN 1,6T	c/w item 3		
8	15084433	1	Double hook with cross beam BSN 1,6-T			
11	82915433	1	Pin bottom block DH300,400		35x209	

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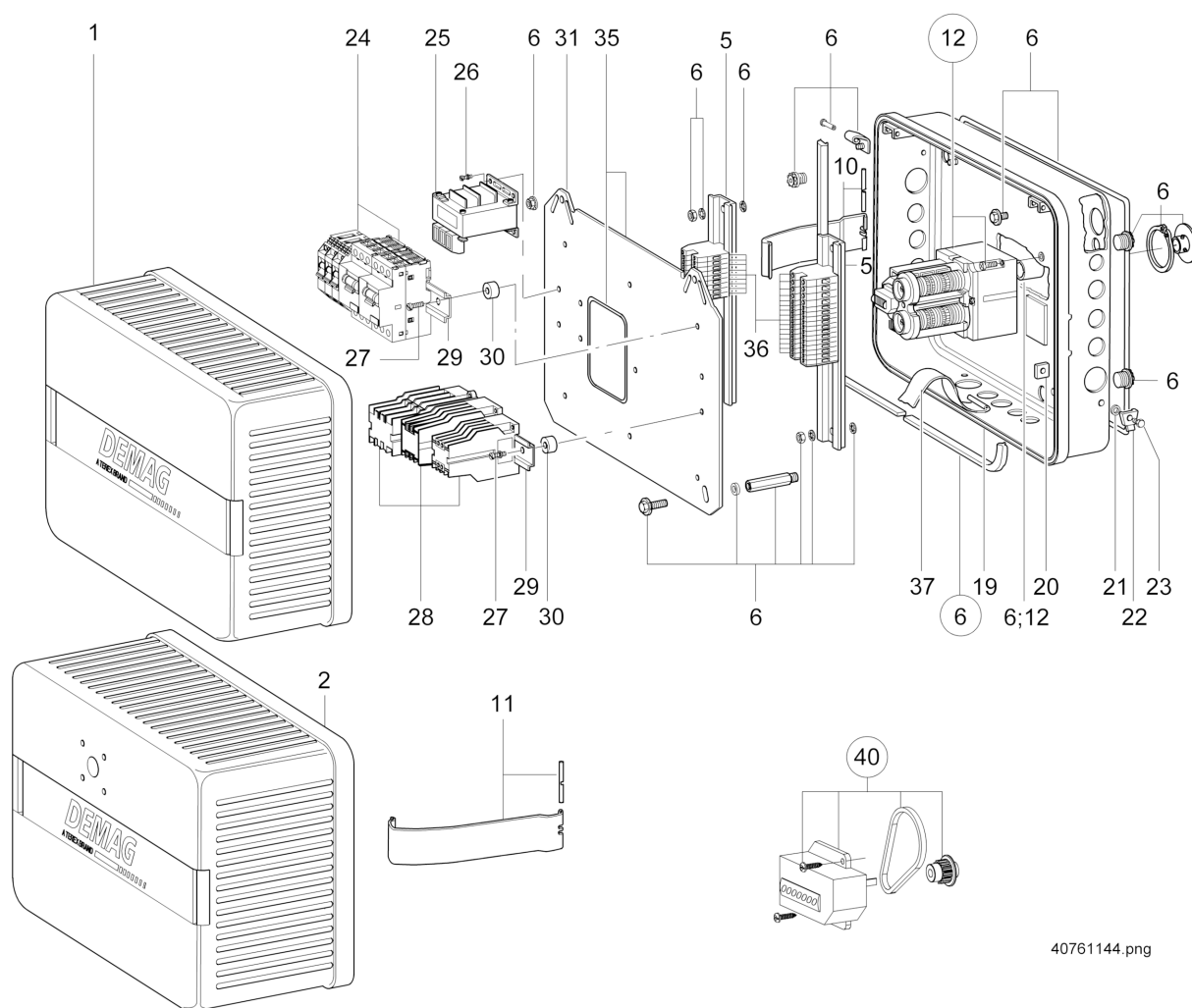


Bottom block 225/7,5, 4/2 reeving

DH 410 - 4m

Item	Part no.	Quantity	Designation		Material	RSP
1	82918033	1	Bottom block 2-sheave 225/ 7,5		DH 400 4/2	
3	47925533	1	Rope sheave hood set 225 2/1	c/w item 24	P / DH	
7	82902233	2	Rope sheave set 225/ 7,5		DH 300/400	
12	82918933	1	Pin bottom block DH300,400		45x197	
17	15084233	1	Simple hook with cross beam BSN 1,6T	c/w item 18		
18	59217033	1	Hook safety catch 1,6			
19	15084433	1	Double hook with cross beam BSN 1,6-T	c/w item 22		
22	34187433	1	Hook safety catch E 1 /D 1- 2		K060-1.1,6	
24	71390033	1	Capacity plate set Neutral		DH / DR	

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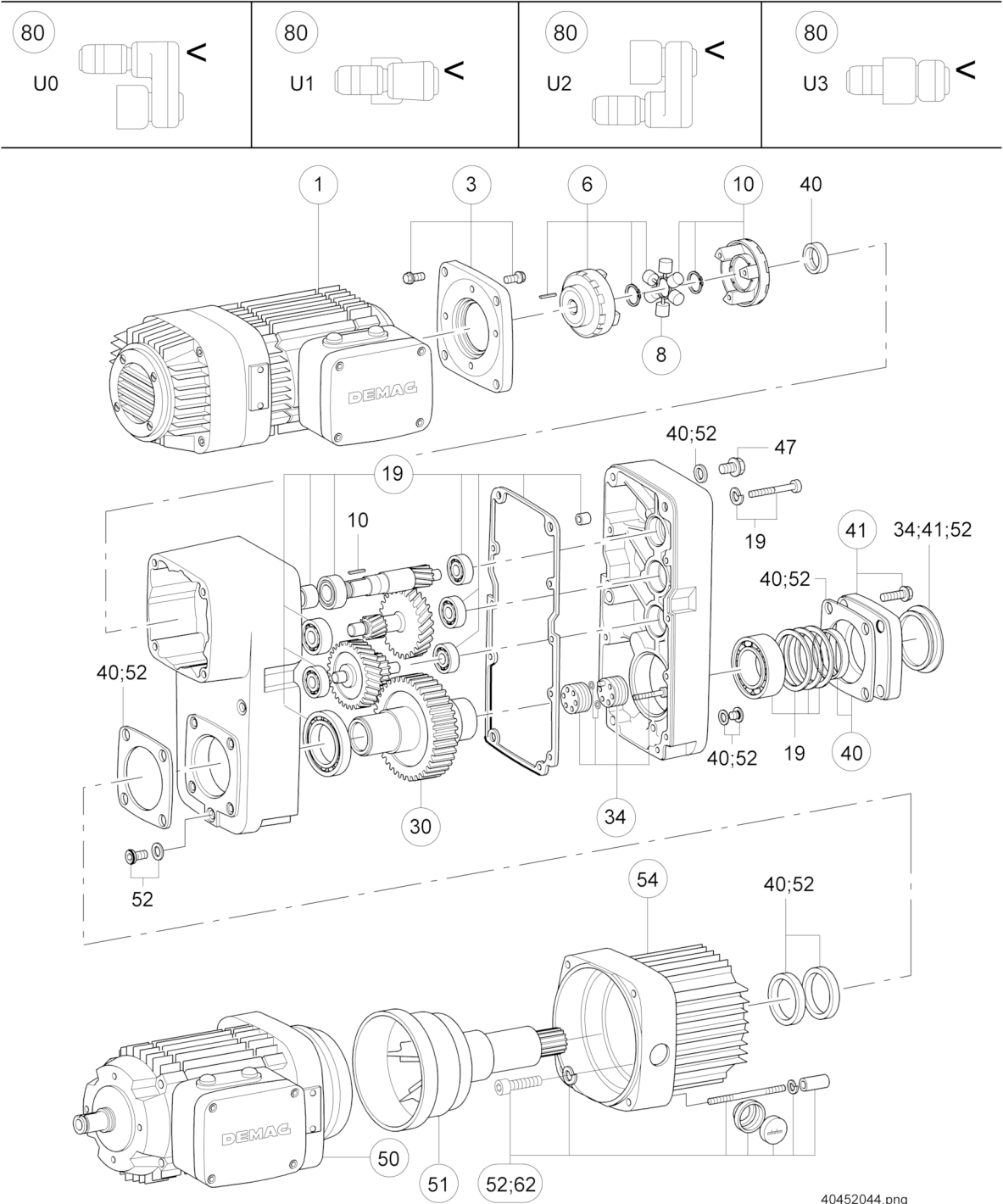
Item	Part no.	Quantity	Designation		Material	RSP
1	36050846	1	Hood DH 300	short	ST1403M	
2	36050946	1	Hood long DH 300		ST1403M	
5	89493644	2	Supporting rail 35 / 7,5X 270M		FE-ZN8C-C	
6	82209533	1	Mounting parts set DH 300/400		Elektrik	
10	36051946	2	Spring holder short		X12CRNi177	
11	36051146	2	Spring holder long		X12CRNi177	
12	87520033	1	Geared limit switch set DGS 3 -142	1)	DH	
12	87520133	1	Geared limit switch set DGS 4 -142	1)	DH	
19	36050646	1	Housing lower part DH 300		n.Zchnng.	
20	98115244	2	Square nut M 6X 20X 5	2)	1.0036 ZN	
21	34087544	2	Washer 6 X 10 X 2,5	2)	14PA101	
22	50441944	2	Strainer terminal	2)	ST37	
23	30740399	2	Hexagonal screw M 6 X 12	2)	8.8 A2F	
24			Line protection unit	3)		
25			Transformer	3)		
26	31892599	0	Cylinder screw M 4 X 8 Z3	3)	4.8 A2F	
27	31895899	0	Cylinder screw M 5 X 22Z4-1	3)	4.8 A2F	
28			Contact	3)		
29			Supporting rail	3)		
30	89487444	0	Washer 6,3X 20 X10	3)	PA SW	
31			Mounting plate	3)		
35	89502444	0	Edge cover 1,5		DX 1,5	
36			Modular terminal	3)		
37	36030246	1	Hinge profile DH300/500		CR,80SHORE	
40	87530244	1	Service pack counter DGS			

21730144020

1) Secure with Loctite 290. Part no. 007 275 84.

2) Only for control from the crab.

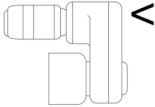
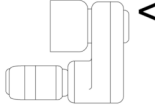
3) depending on the application.

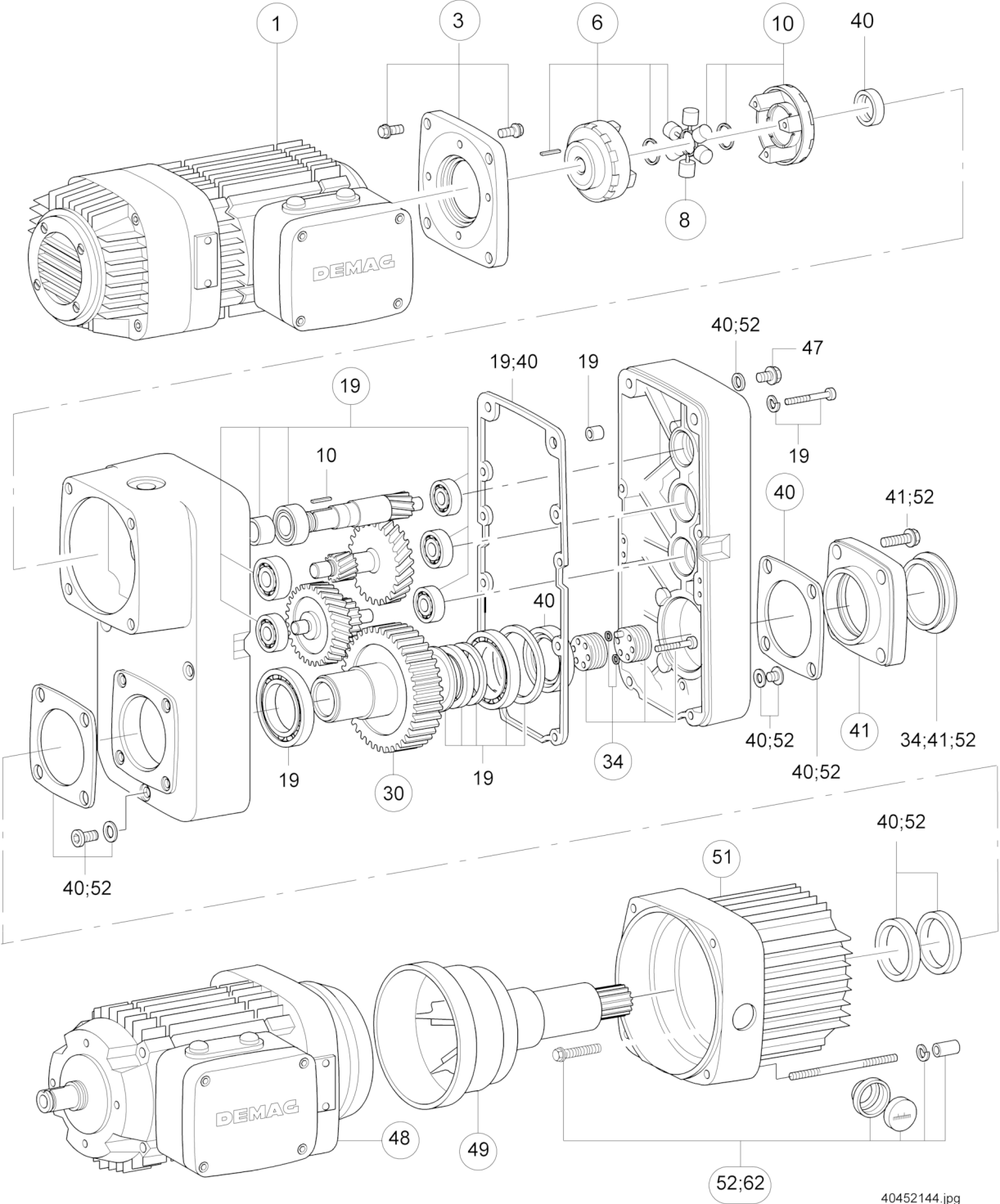


Item	Part no.	Quantity	Designation		Material	RSP
1			Motor KBA 71	1)		
3	71502033	1	Intermediate flange D04 71 125.1		70H7-11,5	
6	35190533	1	Coupling set M H1N-16			
8	75226033	1	Roller spider coupling H1			
10	35193033	1	Coupling set G H1N-16			
19	35055133	1	Bearing set FG06	2), 3)		
30	81369333	1	Hollow shaft set FG06	1 : 10	3,99-12,9	
34	35059133	1	Brake stroke adjustment set FG06			
40	35055233	1	Seal set FG06	2), 3)		
41	35055333	1	Bearing cover set FG06			
47	34264844	1	Bleeding valve A M10X1 !L	4)	S0,10-0,2	
50			Motor KBH 100 B4	5)		
51	71776933	1	Brake shaft set FG06KB100ZN			
52	71721033	1	Mounting parts set FG06 KB		KB71-112	
54	71772033	1	Cover set FG06/KB 100			
62	35059033	1	Fixing set Haube FG06		KB71-112	
80			< = Ventilation at highest point of gearbox			

21730144021

1) Spare parts see chapter "Creep hoist motor KBA 71 B4".
2) Quantity 1 litres at basic form U0 and U2, part no. 472 902 44 (1.0 kg).
3) Quantity 0.6 litres at basic form U1 and U3, part no. 472 902 44 (1.0 kg).
4) For service in arduous conditions.
5) Spare parts see chapter "Main hoist motor KBH 100 B4".

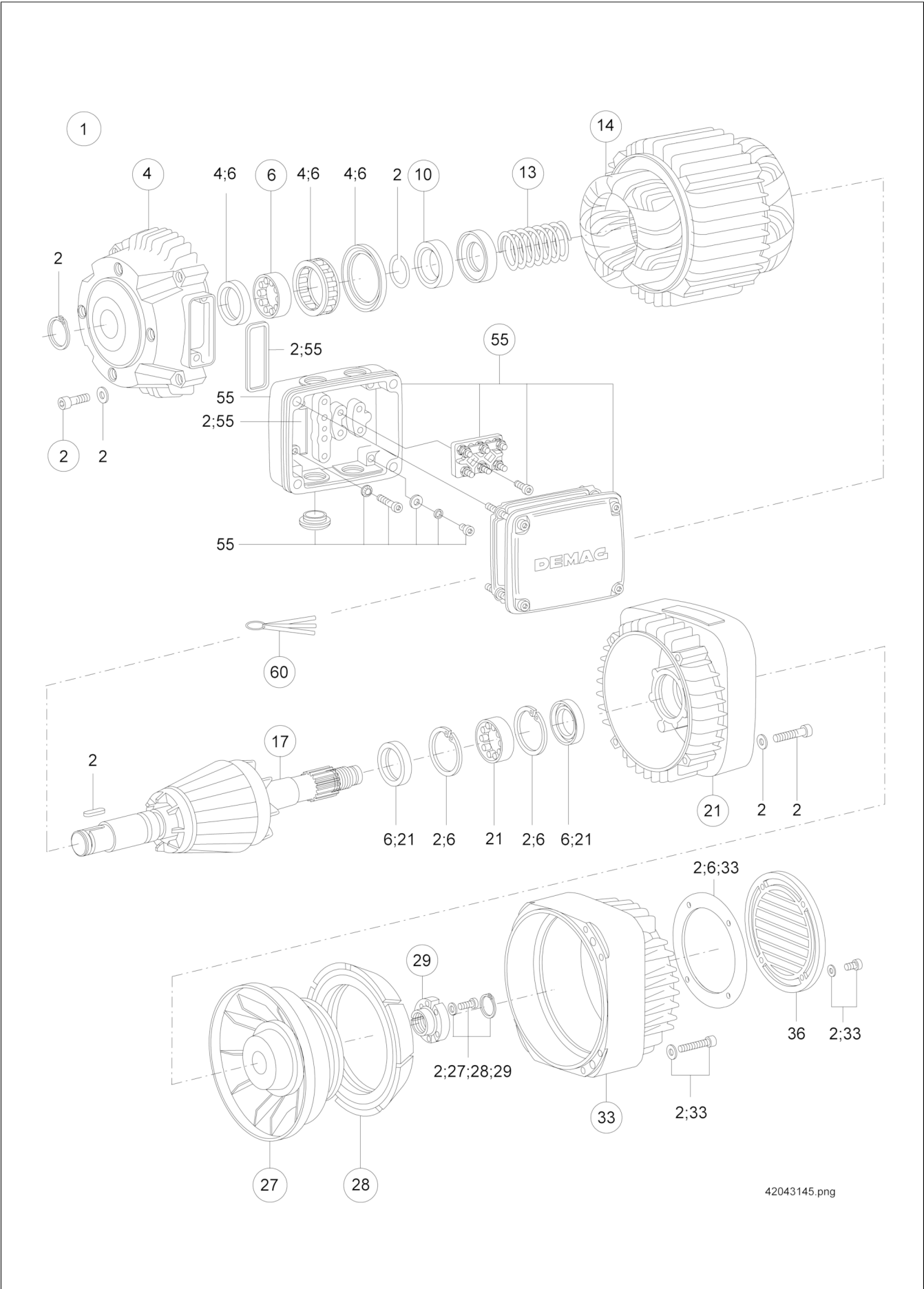
80 U0 	80 U1 	80 U2 	80 U3 
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Item	Part no.	Quantity	Designation		Material	RSP
1			Motor KBA 71	1)		
1			Motor KBA 80	2)		
3	71522033	1	Set intermediate flange 160.1	Mot. 71	MOT 71	
3	71522233	1	Set intermediate flange 160.2	Mot. 80	MOT 80- 90	
6	35190533	1	Coupling set M H1N-16	Mot. 71		
6	35190733	1	Coupling set M H1N-19	Mot. 80		
8	75226033	1	Roller spider coupling H1			
10	35193233	1	Coupling set G H1N-24			
19	35060133	1	Bearing set FG08	3), 4)		
27	71735233	1	Hollow shaft set FG08 U-Ausf	1 : 10	4,02 -14,3	
34	35064133	1	Brake stroke adjustment set FG08			
40	35060233	1	Seal set FG08	3), 4)		
41	35060333	1	Bearing cover set FG08			
47	728898	1	Bleeding valve A M12X1,5	5)	S0,02-0,04	
48			Motor KBH 112 B4	6)		
48			Motor KBH 125 B4	7)		
49	71786633	1	Brake shaft set FG08KB112ZN			
49	71786733	1	Brake shaft set FG08KB125ZN			
51	71781433	1	Cover set FG08/KB 112			
51	71781633	1	Cover set FG08/KB 125			
52	71731033	1	Mounting parts set FG08 KB		KB112-140	
62	35064033	1	Fixing set Haube FG08		KB112-160	
80			< = Ventilation at highest point of gearbox			

21730144022

- 1) Spare parts see chapter "Creep hoist motor KBA 71 B4".
2) Spare parts see chapter "Creep hoist motor KBA 80 B4".
3) Quantity 2 litres at basic form U0 and U2, part no. 472 900 44 (2.5 kg).
4) Quantity 1,5 litres at basic form U1 and U3, part no. 472 900 44 (2.5 kg).
5) For service in arduous conditions.
6) Spare parts see chapter "Main hoist motor KBH 112 B4".
7) Spare parts see chapter "Main hoist motor KBH 125 B4".



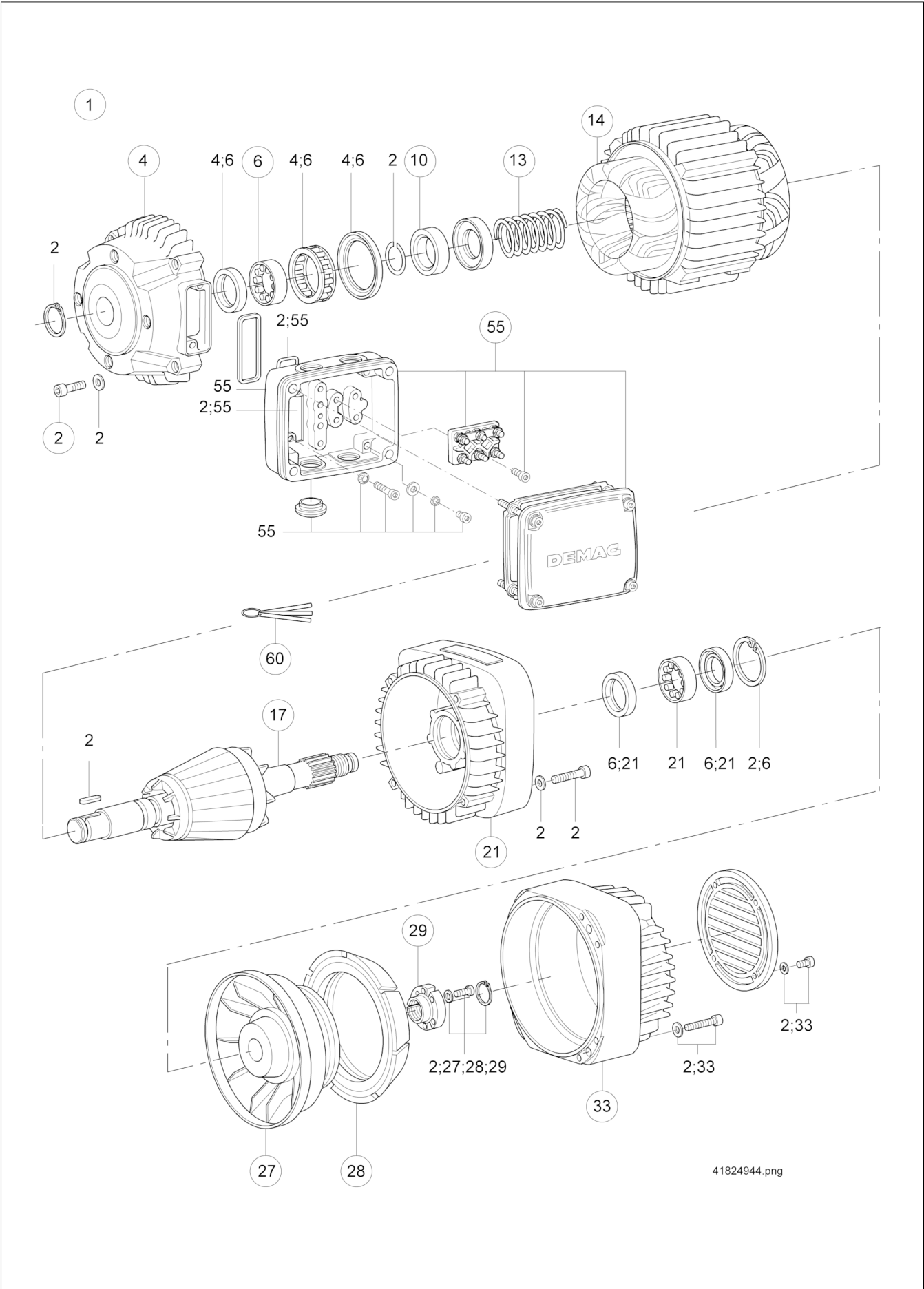
Item	Part no.	Quantity	Designation		Material	RSP
1	5004984	1	Motor KBA 71B 4 GB14		230400AB50	
2	5483533	1	Mounting parts set KB 71			
4	5460333	1	End shield set AS KB 71		GG-20	
6	5409933	1	Bearing and sealing set KB 71			
10	5480833	1	Thrust ring set KB 71	1), 2)		
13	5477984	1	Pressure spring GbGn 2,8 x 27,8 x 57	171 N	KBA 71	
14	5117784	1	Stator KBA 71B 4 AB	1), 2)	230/400V50	
17	5437584	1	Rotor KBA 71B 2 KUP	1), 2)		
21	5460633	1	End shield set BS KB 71			
27	5479133	1	Brake set light wide KB71		breit	
28	5478633	1	Conical brake ring KB 71 b			
29	5471433	1	Clamping nut set KB71			
33	5409833	1	Brake cover set STD+STD		KB71	
33	5409733	1	Brake cover set ZN+STD	3)	KB71	
36	5471984	1	Louver KB 71		ENAB-47100	
55	3612833	1	Terminal box set KB 71-90			
60	10015084	3	Feeler gauge set		KB 71, 80	

21730144023

1) When ordering a rotor or stator, thrust rings (item 10) and feeler gauge (item 60) must also be ordered for adjusting the correct air gap dimension.

2) Required air gap between stator bore and rotor: 0.30 mm.

3) For service in arduous conditions, galvanized brake surface.

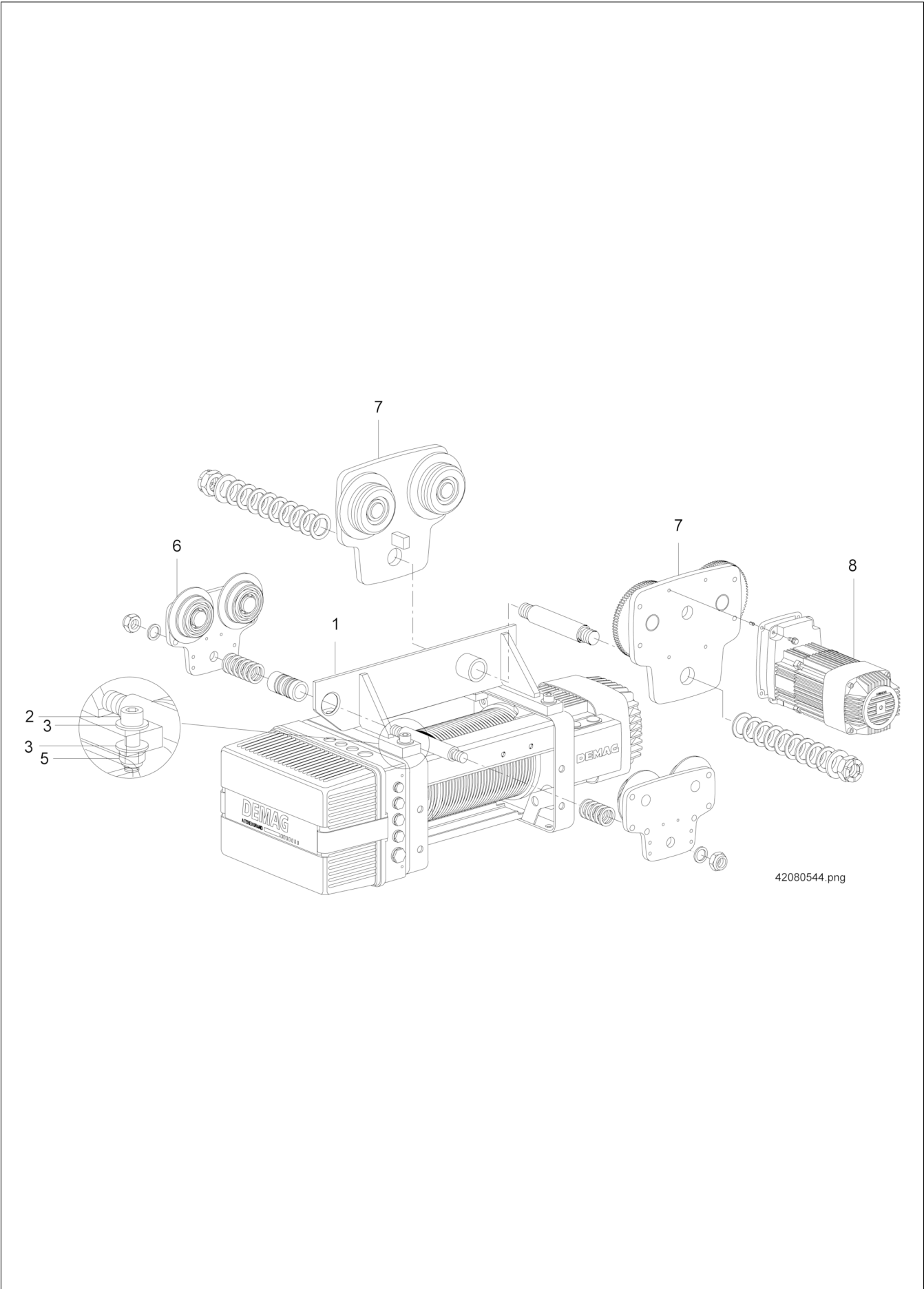


Item	Part no.	Quantity	Designation		Material	RSP
1	5517884	1	Motor KBA 80B 4 GB14		230400AB50	
2	5983533	1	Mounting parts set KB 80			
4	5960333	1	End shield set AS KB 80			
6	5909933	1	Bearing and sealing set KB 80			
10	5980833	1	Thrust ring set KB 80	1), 2)		
13	5977984	1	Pressure spring GbGn 3,4x32,4x67	300 N	KBA	
14	5618284	1	Stator KBA 80B 4 AB	1), 2)	230/400V50	
17	5932784	1	Rotor KBA 80B 4 KUP	1), 2)		
21	5960633	1	End shield set BS KB 80			
27	5979133	1	Brake set light wide KB80			
28	5978633	1	Conical brake ring KB 80 b		breit	
29	5971433	1	Clamping nut set KB80			
33	5909833	1	Brake cover set STD+STD		KB80	
33	5909733	1	Brake cover set ZN+STD	3)	KB80	
55	3612833	1	Terminal box set KB 71-90			
60	10015084	3	Feeler gauge set		KB 71, 80	
						21730144024

1) When ordering a rotor or stator, thrust rings (item 10) and feeler gauge (item 60) must also be ordered for adjusting the correct air gap dimension.

2) Required air gap between stator bore and rotor: 0.30 mm.

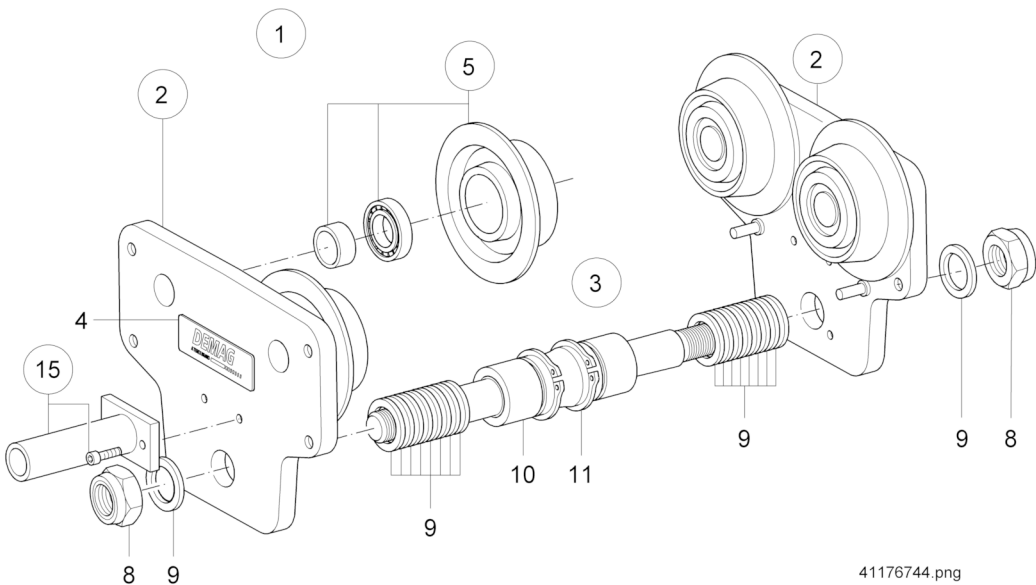
3) For service in arduous conditions, galvanized brake surface.



Item	Part no.	Quantity	Designation		Material	RSP
1	83126244	1	Crab frame DH 3-400H12		UDH GR. 5	
1	83126344	1	Crab frame DH 3-400H20		UDH GR. 5	
2	31930099	1	Hex.socket cylind.screw M16 X 75	MA= 310 Nm	10.9	
3	34042599	8	Washer 17 X 27 X 2,5		St50 A2F	
5	10006198	2	Set nut M16		10flZnnc-L	
5	82225944	2	Retaining nut M16	Motor side	C45K	
6			Travel unit RU 22 DK	1)		
7			Travel unit EU 55 DK	2)		
8			Travel drive with KMF 80 motor	3)		

21772544039

1) Spare parts see chapter "Travel unit RU 22 DK, Trolley size 5".
2) Spare parts see chapter "Travel unit EU 55 DK, Trolley size 5".
3) Spare parts see chapter "Travel drive KMF 80".



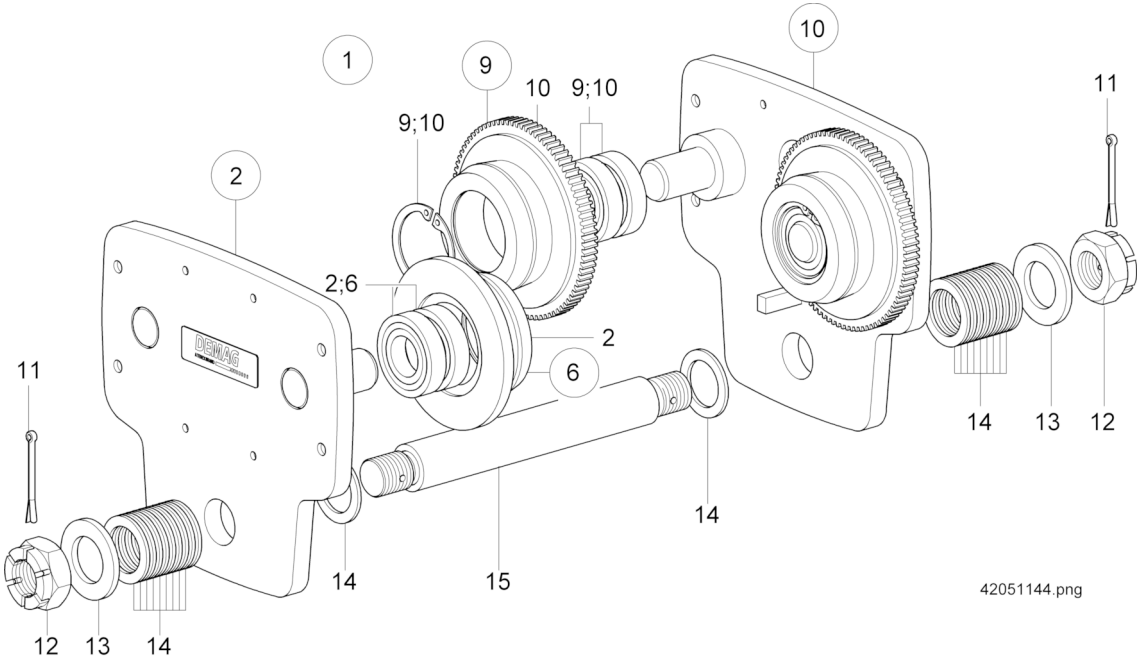
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EUDH, Trolley size 5, Trolley RU 22 DK

Standard-headroom monorail trolley,
DH 400,
2/1 and 4/2 reeving - H12, H20

Item	Part no.	Quantity	Designation		Material	RSP
1	84011344	1	Tr.un.tr.whl.univ.w/o crossb. RU22	c/w item 2	KG2600	
2	84011644	2	Side plate trv.whl.univ.w/o g.rim	c/w items 4, 5	RU22DK	
3	83955644	1	Crossbeam RU22 Flb. 82-143	c/w items 8 - 11		
3	83955744	1	Crossbeam RU22 Flb.144-200	c/w items 8 - 11		
3	83955844	1	Crossbeam RU22 Flb.201-300	c/w items 8 - 11		
4	83964744	1	Capacity plate 2600kg		100X 25	
5	84016044	2	Universal travel wheel 112 1SPK OZ		RU22	
8	33468799	2	Hexagonal nut M30 X2	MA= 160 Nm	8 A2F	
9	50222044	18	Washer 35,5X 50 X 4	Fl. W. 106 - 143 mm	ST2K32	
9	50222044	16	Washer 35,5X 50 X 4	Fl. W. 144 - 200 mm	ST2K32	
9	50222044	27	Washer 35,5X 50 X 4	Fl. W. 201 - 300 mm	ST2K32	
10	83955044	1	Tube 51 X 7,1 X 109	Fl. W. 106 - 143 mm	ST52	
10	83955144	1	Tube 51 X 7,1 X 174	Fl. W. 144 - 200 mm	ST52	
10	83955244	1	Tube 51 X 7,1 X 230	Fl. W. 201 - 300 mm	ST52	
11	34244299	2	Retaining ring 52X3		FedSt	
15	83973733	1	Current collector tube 400 Set			

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EUDH, Trolley size 5, Trolley EU 55 DK

Standard-headroom monorail trolley,
DH 400,
2/1 and 4/2 reeving - H12, H20

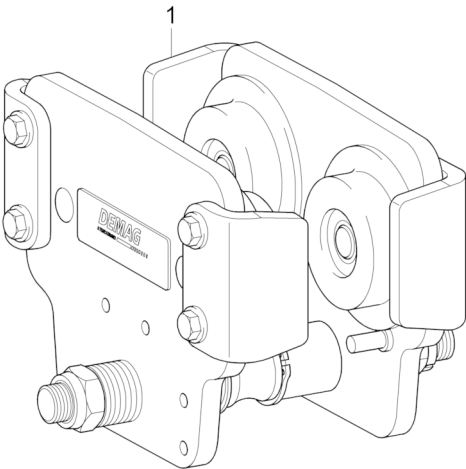
Item	Part no.	Quantity	Designation		Material	RSP
1	83979444	1	Tr.un.tr.whl.univ.w/o crossb. EU55	c/w items 2, 10	KMF80	
2	83969044	1	Side plate RU55DK-UNI	c/w item 6		
6	83057844	2	Universal travel wheel 125 1SPK OZ		EKDH GR. 4	
9	83055344	2	Universal travel wheel 125 1SPK MZ		EKDH-GR. 4	
10	83979044	1	Side plate EU55-KMF80	c/w item 9		
11	34210599	2	Split pin 6,3X 63		St	
12	33573899	2	Castellated nut M36	MA= 160 Nm	04 A2F	
13	34002899	2	Washer 45 X 78 X 7		St	
14	52222044	22	Washer 45,5X 65 X 4	Fl. W. 106 - 185 mm	n.Zchng	
14	52222044	51	Washer 45,5X 65 X 4	Fl. W. 200 - 300 mm	n.Zchng	
15	83957344	1	Pin cross beam RU-EU55	Fl. W. 106 - 185 mm	C45SH	
15	83957444	1	Pin cross beam RU-EU55	Fl. W. 200 - 300 mm	C45SH	

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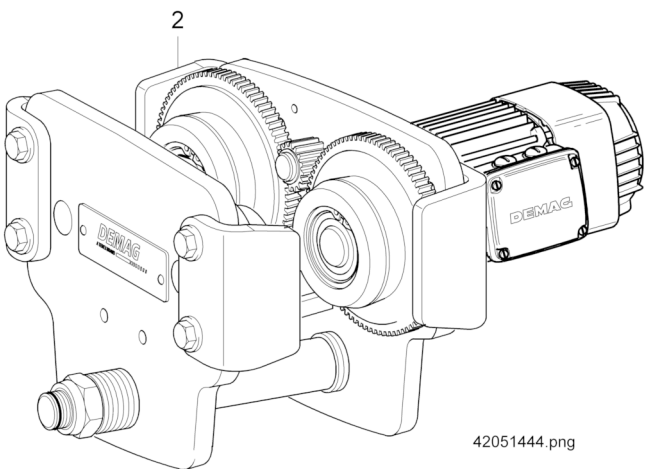
EUDH, Trolley size 5,
Drop stop fittings,
RU 22 DK and EU 55 DK

Standard-headroom monorail trolley,
DH 400,
2/1 and 4/2 reeving - H12 - H20

RU 22 DK



EU 55 DK

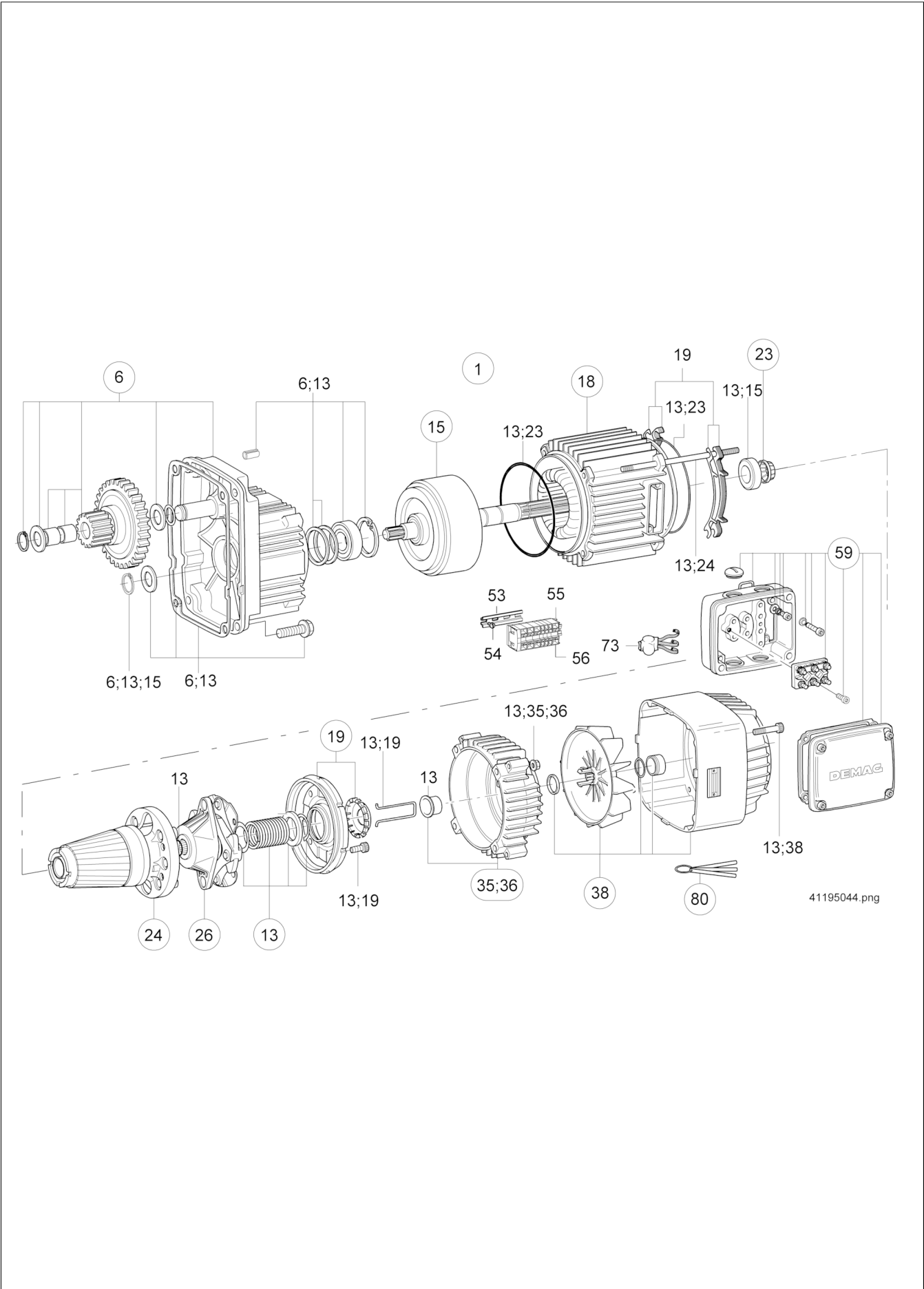


EUDH, Trolley size 5,
Drop stop fittings,
RU 22 DK and EU 55 DK

Standard-headroom monorail trolley,
DH 400,
2/1 and 4/2 reeving - H12 - H20

Item	Part no.	Quantity	Designation	Material	RSP
1	83969844	1	Drop stop set GR.22	R/E K/U DK	
2	83969944	1	Drop stop set GR.55	FAWE.EU55	

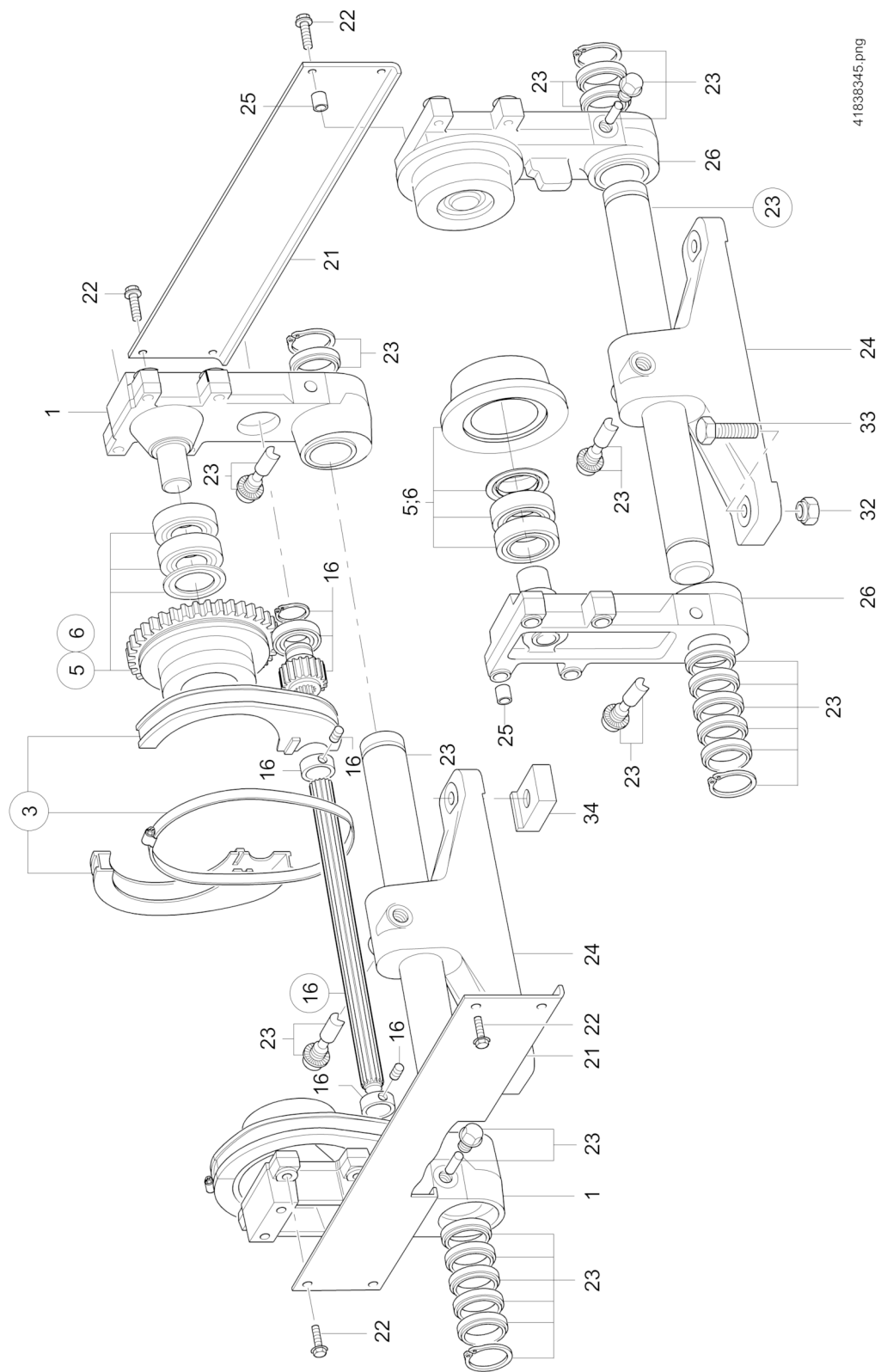
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Item	Part no.	Quantity	Designation		Material	RSP
1			Travel speed 6.3/25 m/min			
1	13010084	1	Motor KMF 80A4 EKDHR4	1)	380AB50	
1			Travel speed 12,5 m/min			
1	13010184	1	Motor KMF 80A8/2EKDHR4	1)	380AB50	
6	83916633	1	End shield set KMF 80 28M			
13	12880333	1	Small parts set KMF 80A8/2		DK20/EU_DH	
13	12880433	1	Small parts set KMF 80A4		DK20/EU_DH	
15	13331933	1	Shaft gearbox KMF80A-Z14			
18	13104484	1	Stator KMF 80A 4 AB	2)	400V50	
18	13104733	1	Stator set KMF 80A	2)	2/8 AB	
19	13389533	1	Brake lining support set KM80			
23	13385233	1	Thrust ring set KM80 Set	2)		
24	13345533	1	Rotor set KMF80 A 8/2 Set	KMF 80 A4, 2)		
26	13376033	1	Engaging element KM 80			
35	13361333	1	End shield set BS KM 80			
36	13363133	1	End shield set BS KM 80	3)	CR	
38	13382033	1	Hood and fan set		KM 80	
53	14986284	1	Supporting rail 15 / 5,5X 90M	< = 15 A	1175.OTS15	
54	32052899	2	Hex.socket cylind.screw M 4 X 8	< = 15 A	10.9 A2FIL	
55	89541944	2	End angle TS15	< = 15 A	249-101	
56	3495684	1	Terminal block module KM	< = 15 A, 6 Terminals, 2 speeds		
56	3495784	1	Terminal block module KM	< = 15 A, 3 Terminals, 1 speed		
59	3612833	1	Terminal box set KB 71-90			
73	13387084	1	VDR resistor <= 400V	only for 8/2-pole	KM 80-100	
80	10040984	3	Feeler gauge set	4)	KM 71,80	

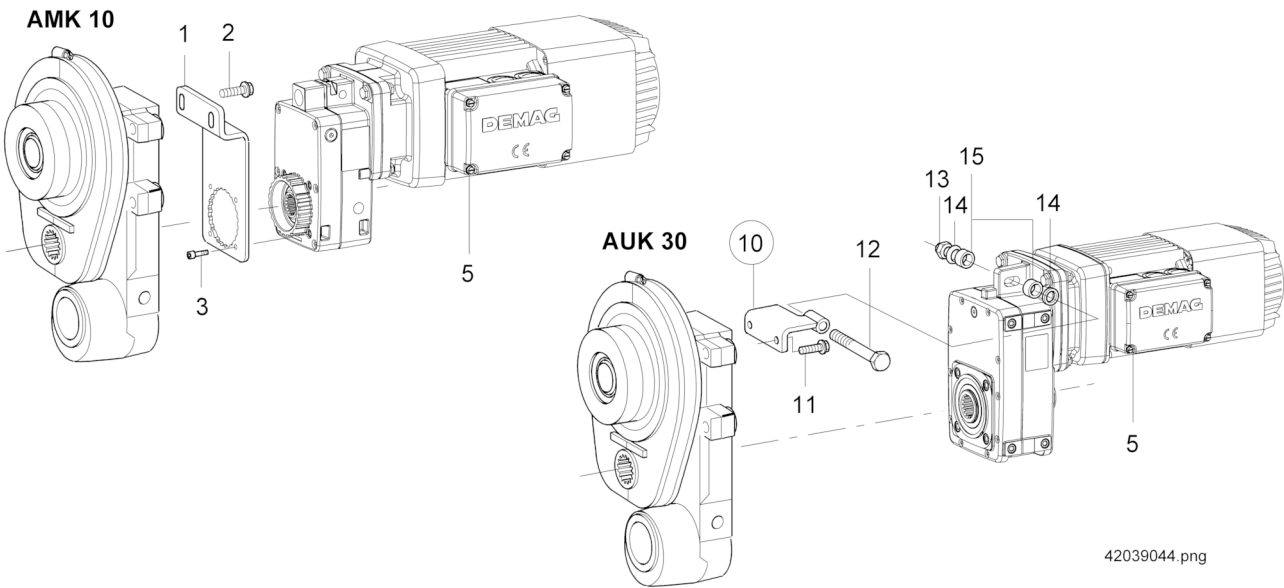
21770544017

- 1) The gearbox is lubricated with grease (approx. 60 g DG 67 B). Part no. 011 058 44 (60 g) This lubrication is sufficient for approx. Two years at normal operation and must be repeated after this time.
- 2) A feeler gauge set (part no. 80) must also be ordered to adjust the air gap (adjust with feeler gauge no. 2, part no. 80).
- 3) For service in arduous conditions, chromium-plated brake surface.
- 4) A feeler gauge set (item no. 80) must also be ordered for adjustment of the air gap.



Item	Part no.	Quantity	Designation		Material	RSP
1	83121944	2	Longitudinal member A Mit Bolzen		UDH 6	
3	59549433	2	Cover set Fahrwerk	1)	GR 6	
5	75216133	1	Travel wheel set zyl.125 MZ/OZ		GR 6 4/600	
6	75217133	1	Travel wheel set keg.125 MZ/OZ		GR 6 4/600	
16	75210833	1	Pinion shaft set N25/W25x465		EU+KDH 6	
16	75210933	1	Pinion shaft set N25/W25x545	Fl. W. 166 - 245 mm, AMK 10	EU+KDH 6	
16	75211033	1	Pinion shaft set N25/W25x635	Fl. W. 246 - 335 mm, AMK 10	EU+KDH 6	
16	75211133	1	Pinion shaft set N25/W25x750	Fl. W. 336 - 420 mm, AMK 10	EU+KDH 6	
16	75211233	1	Pinion shaft set N30/W30x480	Fl. W. 119 - 165 mm, AUK 30	EU+KDH6+10	
16	75211333	1	Pinion shaft set N30/W30x560	Fl. W. 166 - 245 mm, AUK 30	EU+KDH6+10	
14	75211433	1	Pinion shaft set N30/W30x650	Fl. W. 246 - 335 mm, AUK 30	EU+KDH6+10	
14	75211533	1	Pinion shaft set N30/W30x765	Fl. W. 336 - 420 mm, AUK 30	EU+KDH6+10	
21	83015544	2	Side plate DH 300-H12		ST37	
21	83015644	2	Side plate DH 300-H20		ST37	
22	10011498	8	Lock screw M10X30 VB.RIPP	MA= 65 Nm	100 flZnL	
23	83027833	1	Supporting pin set EUDH GR 6	Fl. W. 119 - 165 mm	FLB119-165	
23	83027933	1	Supporting pin set EUDH GR 6	Fl. W. 166 - 245 mm	FLB166-245	
23	83028033	1	Supporting pin set EUDH GR 6	Fl. W. 246 - 305 mm	FLB246-305	
24	83028244	2	Crossbeam UDH 300 GR. 6 4/1			
25	34578399	8	Split sleeve 13 X 12		St	
26	83122444	2	Longit. member w. with pin NA UDH 6			
32	10006198	2	Set nut M16		10flZnnc-L	
33	30758299	4	Hexagonal screw M16 X 60	MA= 310 Nm	10.9	
34	82225944	2	Retaining nut M16		C45K	

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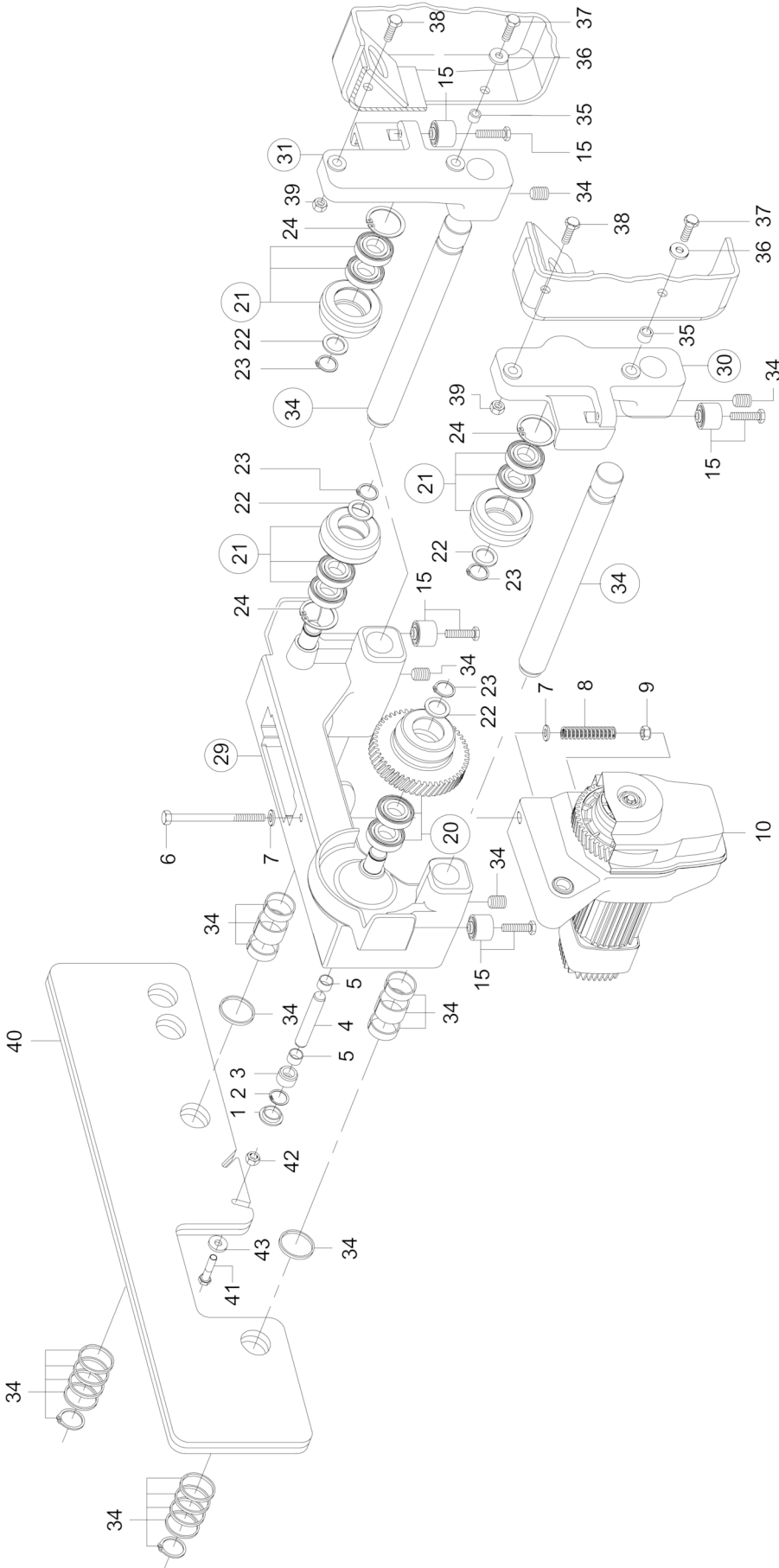
EUDH, Trolley size 6, Travel drives AMK 10/AUK 30

Standard-headroom monorail trolley,
DH 400,
4/1 reeving - H12 - H20

Item	Part no.	Quantity	Designation		Material	RSP
1	83120944	1	Torque arm support GR.6-10 A20	AMK 10	S235JRG2C	
2	10011198	2	Lock screw M10X20 VB.RIPP	AMK 10, MA= 65 Nm	100 flZnL	
3	31923999	4	Hex.socket cylind.screw M 8 X 18	AMK 10, MA= 36 Nm	10.9	
5			Travel speed 12,5 m/min, 3,1/12,5 m/min	1)		
5	84504046	1	Drive unit AMK10DD M0 25 25,7	DH 416, 412, 410, ZBF 63 A 8/2 B 003, 2)	ZBF 63A8/2	
5	84504546	1	Drive unit AMK10DD M0 25 25,7	DH 425, 420, ZBF 71 A 8/2 B 003, 2)	ZBF 71A8/2	
5			Travel speed 20 m/min, 5/20 m/min	1)		
5	84504646	1	Drive unit AMK10DD M0 25 15,7	DH 412, 410, ZBF 71 A 8/2 B 003, 2)	ZBF 71A8/2	
5	84505146	1	Drive unit AMK10DD M0 25 15,7	DH 420, 416, ZBF 80 A 8/2 B 020, 2)	ZBF 80A8/2	
5	84515346	1	Drive unit AUK30DDB14 30 15,7	DH 425, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5			Travel speed 31,5 m/min, 8/31,5 m/min	1)		
5	84505246	1	Drive unit AMK10DD M0 25 10,5	DH 410, ZBF 80 A 8/2 B 020, 2)	ZBF 80A8/2	
5	84515246	1	Drive unit AUK30DDB14 30 10,1	DH 420, 416, 412, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5	84516046	1	Drive unit AUK30DDB14 30 10,1	DH 425, ZBF 100 A 8/2 B 050, 3)	ZBF100A8/2	
5			Travel speed 40 m/min, 10/40 m/min	1)		
5	84515146	1	Drive unit AUK30DDB14 30 7,8	DH 416, 412, 410, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5	84515946	1	Drive unit AUK30DDB14 30 7,8	DH 425, 420, ZBF 100 A 8/2 B 050, 3)	ZBF100A8/2	
10	83127544	1	Torque arm support AUK30/EUDH	AUK 30, c/w items 11 - 15		
11	10011198	2	Lock screw M10X20 VB.RIPP	AUK 30	100 flZnL	
12	15049499	1	Hexagonal screw M12 X100	AUK 30	8.8 A2F	
13	33461244	1	Lock nut V M12	AUK 30, MA= 50 Nm	8 A2F	
14	16062399	2	Washer 13 X 35 X 5	AUK 30	C 35 H	
15	81120444	2	Spring element 13 X35X12	AUK 30	PA6 GV30	

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1) Only the 2-pole winding is connected for a single travel speed.
2) Spare parts see chapter "AMK 10 DD travel drive".
3) Spare parts see chapter "AUK 30 DD travel drive".

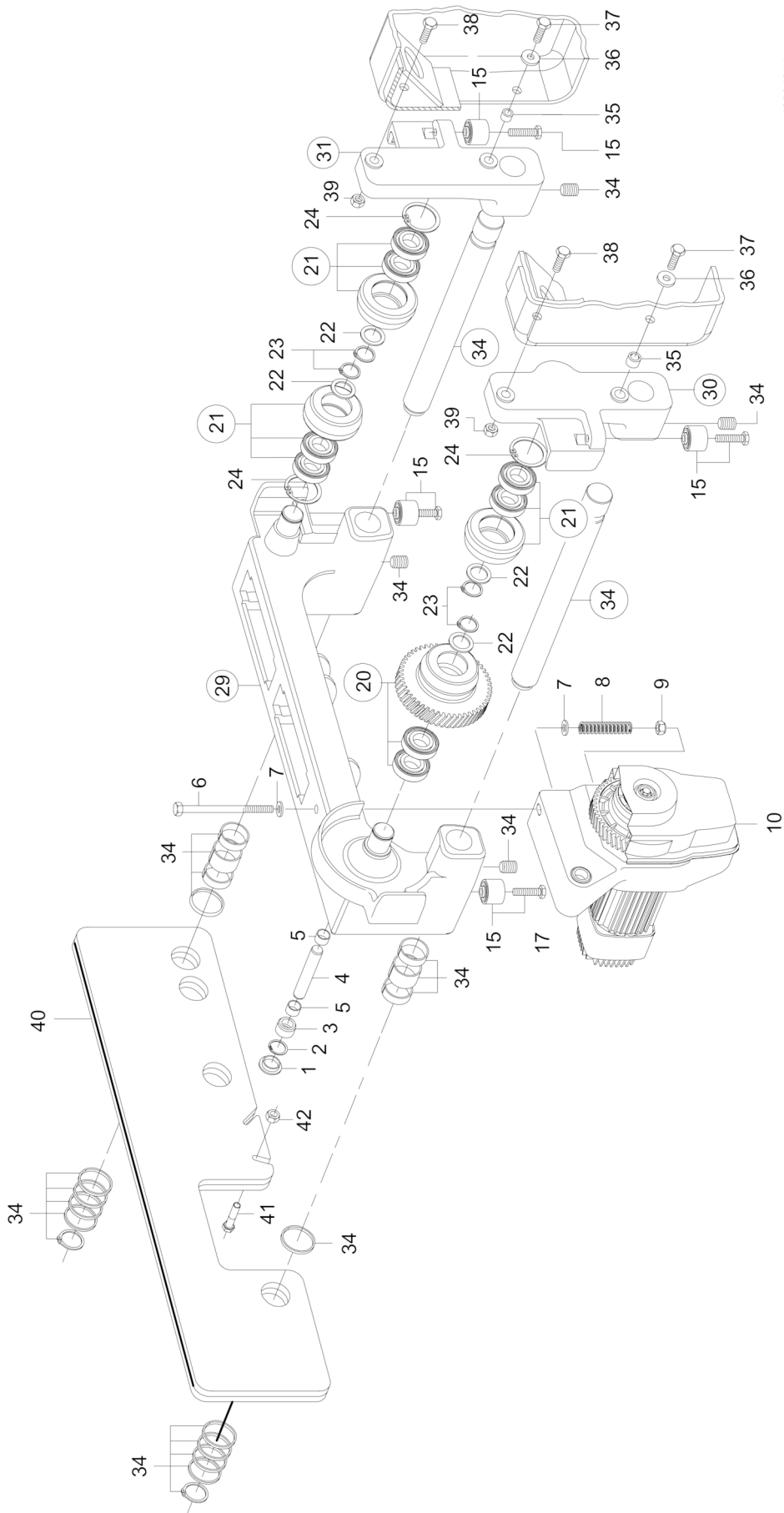


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Item	Part no.	Quantity	Designation		Material	RSP
1	34255544	1	Plug 30,9X 8,6		GPN9601647	
2	34263299	1	Retaining ring 32X1,2		FedSt	
3	83051944	1	Bush 12 x 31,5x 19		PA6.6	
4	83051844	1	Pin 20h 8x 121,5M10		CK45SH	
5	87040342	2	Bush 20X 23X15 B		ST/PTFE	
6	15060499	1	Hexagonal screw M12 X190		8.8 A2F	
7	34069699	2	Washer 13 X 30 X 6		St A2F	
8	83151444	1	Pressure spring 14,3 x24,3 x 96		ERCO 32 S	
9	33461244	1	Lock nut V M12		8 A2F	
10			Travel drive with ZBF 80 Motor	1)		
15	75218033	1	Guide roller set EKDH GR 3,2/5	2)	FLBR > 106	
20	83152544	1	Drive wheel 1-DH 200		DH 200	
21	83054744	1	Universal travel wheel 125 KG-L		DH 200	
22	34141399	2	Shim 40X 50X1		St2K50	
23	34246999	2	Retaining ring 40X2,5		FedSt IL	
24	34266599	1	Retaining ring 80X2,5		FedSt	
29	83053844	1	Side plate DH 200-H10	c/w items 15, 20, 21	GR. 5	
30	83060944	1	Longitudinal member NA-E KDH 300- 400	c/w items 15, 20		
31	83060844	1	Longitudinal member NA-M KDH 300- 400	c/w items 15, 20		
34	83154133	2	Supporting pin set EKDH GR 5	Fl. W. 106 - 199 mm	FLB106-199	
34	83154233	2	Supporting pin set EKDH GR 5	Fl. W. 200 - 300 mm	FLB200-300	
34	83154333	2	Supporting pin set EKDH GR 5	Fl. W. 301 - 400 mm	FLB301-400	
35	34547399	2	Split sleeve 16 X 18		St	
36	31621699	2	Washer 13 X 24 X 3		C 45 HV	
37	15047899	2	Hexagonal screw M12 X 40	MA= 86 Nm	8.8 A2F	
38	30969999	2	Hexagonal screw M16 X 70	MA= 215 Nm	10.9 A2F!L	
39	33461444	2	Lock nut V M16		8 A2F	
40	83168044	2	Counterweight EKDH3,2/ 5	Fl. W. 106 - 199 mm, without F10 microspeed unit	S235JRG2C	
40	83168044	3	Counterweight EKDH3,2/ 5	Fl. W. 106 - 199 mm, with F10 microspeed unit	S235JRG2C	
41	30046544	2	Lock screw M10X45 VB.RIPP	FL.W. 106 - 199 mm, without microspeed unit, MA= 60 Nm	100 flZnL	
41	15054699	2	Hexagonal screw M10 X 75	FL.W. 106 - 199 mm, with microspeed unit, MA= 60 Nm	8.8 A2F	
42	30028344	2	Lock nut M10 VB.RIPP		10	
43	34065599	2	Washer A10,5x 20 x2	with F10 microspeed unit	140HV A2F	

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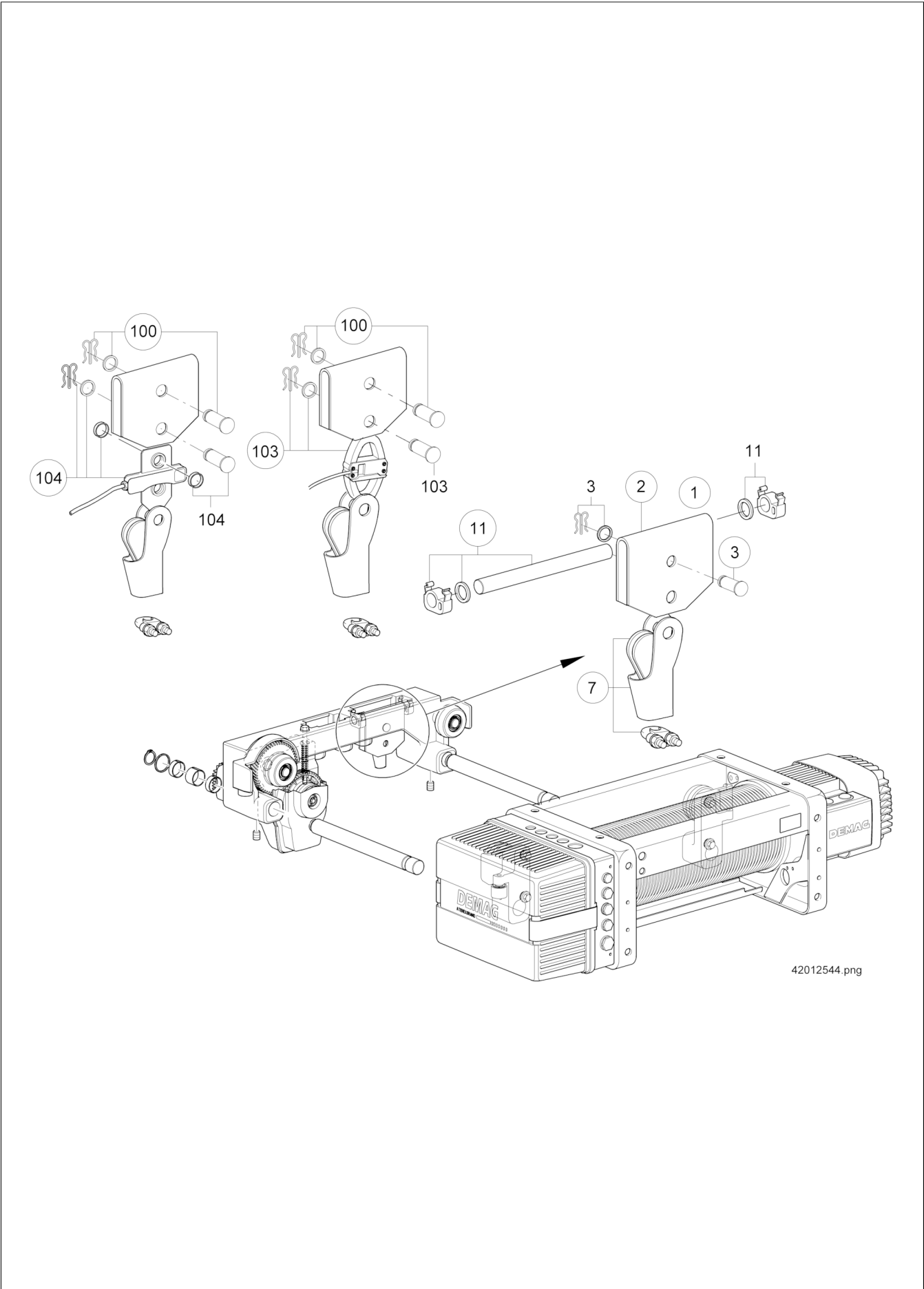
1) Spare parts see chapter "ZBF 80 travel drive".
2) Secure with Loctite 241. Part no. 033 036 44.



Item	Part no.	Quantity	Designation		Material	RSP
1	34255544	1	Plug 30,9X 8,6		GPN9601647	
2	34263299	1	Retaining ring 32X1,2		FedSt	
3	83051944	1	Bush 12 x 31,5x 19		PA6.6	
4	83051844	1	Pin 20h 8x 121,5M10		CK45SH	
5	87040342	2	Bush 20X 23X15 B		ST/PTFE	
6	15060499	1	Hexagonal screw M12 X190		8.8 A2F	
7	34069699	2	Washer 13 X 30 X 6		St A2F	
8	83151444	1	Pressure spring 14,3 x24,3 x 96		ERCO 32 S	
9	33461244	1	Lock nut V M12		8 A2F	
10			Travel drive with ZBF 80 Motor	1)		
15	75218033	1	Guide roller set EKDH GR 3,2/5	2)	FLBR > 106	
20	83152544	1	Drive wheel 1-DH 200		DH 200	
21	83054744	1	Universal travel wheel 125 KG-L		DH 200	
22	34141399	2	Shim 40X 50X1		St2K50	
23	34246999	2	Retaining ring 40X2,5		FedSt IL	
24	34266599	1	Retaining ring 80X2,5		FedSt	
29	83163044	1	Side plate 3- 400H20		GR. 5	
30	83060944	1	Longitudinal member NA-E KDH 300- 400	c/w items 15, 20, 21		
31	83060844	1	Longitudinal member NA-M KDH 300- 400	c/w items 15, 20		
34	83154133	1	Supporting pin set EKDH GR 5	Fl. W. 106 - 199 mm	FLB106-199	
34	83154233	1	Supporting pin set EKDH GR 5	Fl. W. 200 - 300 mm	FLB200-300	
34	83154333	1	Supporting pin set EKDH GR 5	Fl. W. 301 - 400 mm	FLB301-400	
35	34547399	2	Split sleeve 16 X 18		St	
36	31621699	2	Washer 13 X 24 X 3		C 45 HV	
37	15047899	2	Hexagonal screw M12 X 40	MA= 86 Nm	8.8 A2F	
38	30969999	2	Hexagonal screw M16 X 70	MA= 215 Nm	10.9 A2F!L	
39	33461444	2	Lock nut V M16		8 A2F	
40	83168044	2	Counterweight EKDH3,2/ 5	Fl. W. 106 - 199 mm, without F10 microspeed unit	S235JRG2C	
40	83168044	3	Counterweight EKDH3,2/ 5	Fl. W. 106 - 199 mm, with F10 microspeed unit	S235JRG2C	
41	15054699	2	Hexagonal screw M10 X 75	FL.W. 106 - 199 mm, with microspeed unit, MA= 60 Nm	8.8 A2F	
41	30046544	2	Lock screw M10X45 VB.RIPP	FL.W. 106 - 199 mm, without microspeed unit, MA= 60 Nm	100 flZnL	
42	30028344	2	Lock nut M10 VB.RIPP		10	
43	34065599	2	Washer A10,5x 20 x2	with F10 microspeed unit	140HV A2F	

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1) Spare parts see chapter "ZBF 80 travel drive".
2) Secure with Loctite 241. Part no. 033 036 44.



EKDH, Trolley size 5,
Rope retaining crosshead,
2/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 425

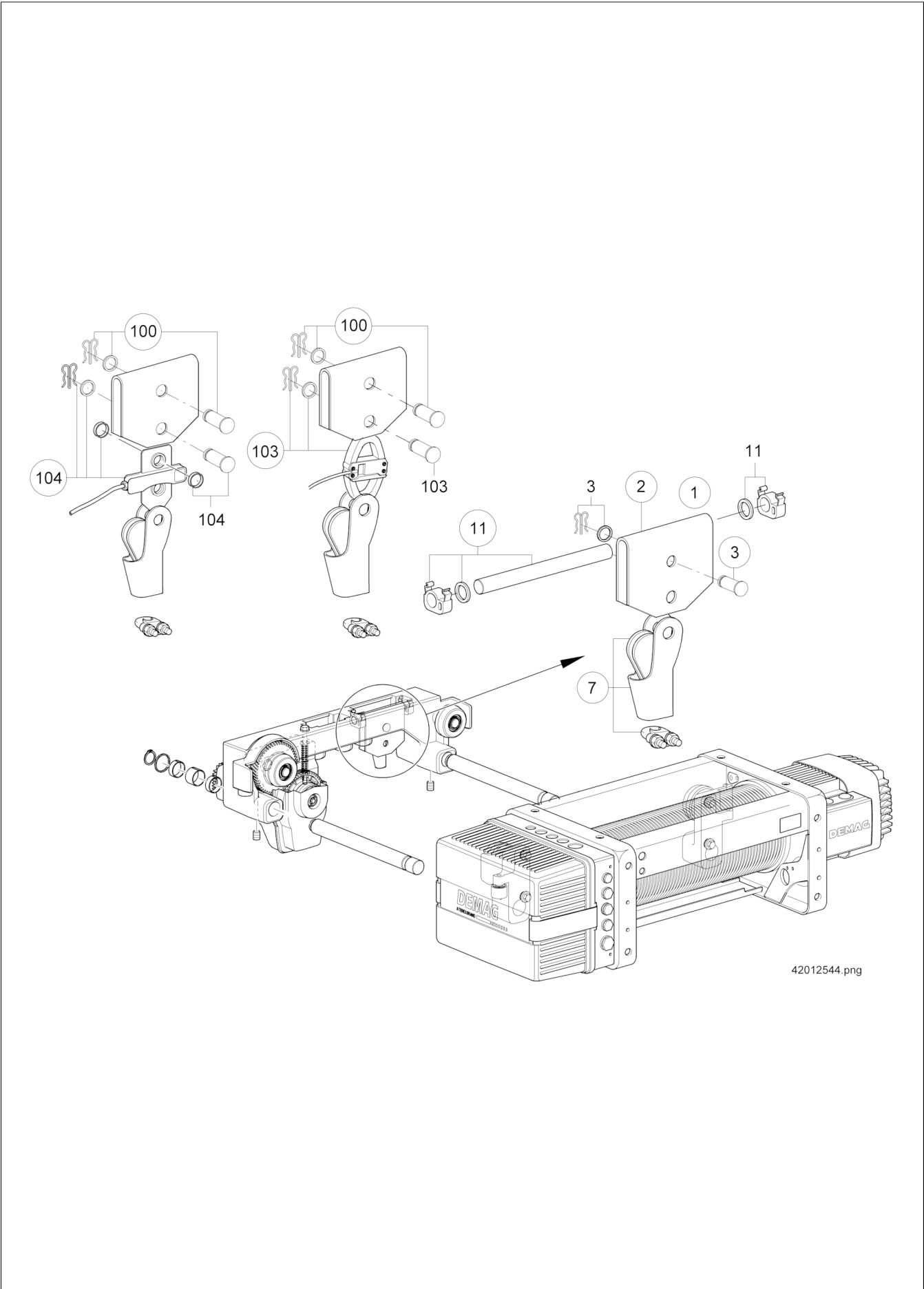
Item	Part no.	Quantity	Designation		Material	RSP
1	82870633	1	Rope wedge crosshead DH 425	1)		
2	82871233	1	Rope anchorage set EKDH 425	c/w items 3, 7		
3	82358033	1	Bolt connection set + spring clip	1), 2)	25x65	
7	82821833	1	Rope anchorage set DH425 2/1		DH500	
11	82853833	1	Set of pins EKDH 200-400	3)		
100	82358033	1	Bolt connection set + spring clip	1), 2)	25x65	
103	49159233	1	Unit MGS 2,5 T Set	DH 425	DH400/600	
104	49139233	1	Strain gauge car.link set ZMS 2,50t		P 400	

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1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.
3) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g)

EKDH, Trolley size 5,
Rope retaining crosshead,
2/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 420, 416, 412, 410



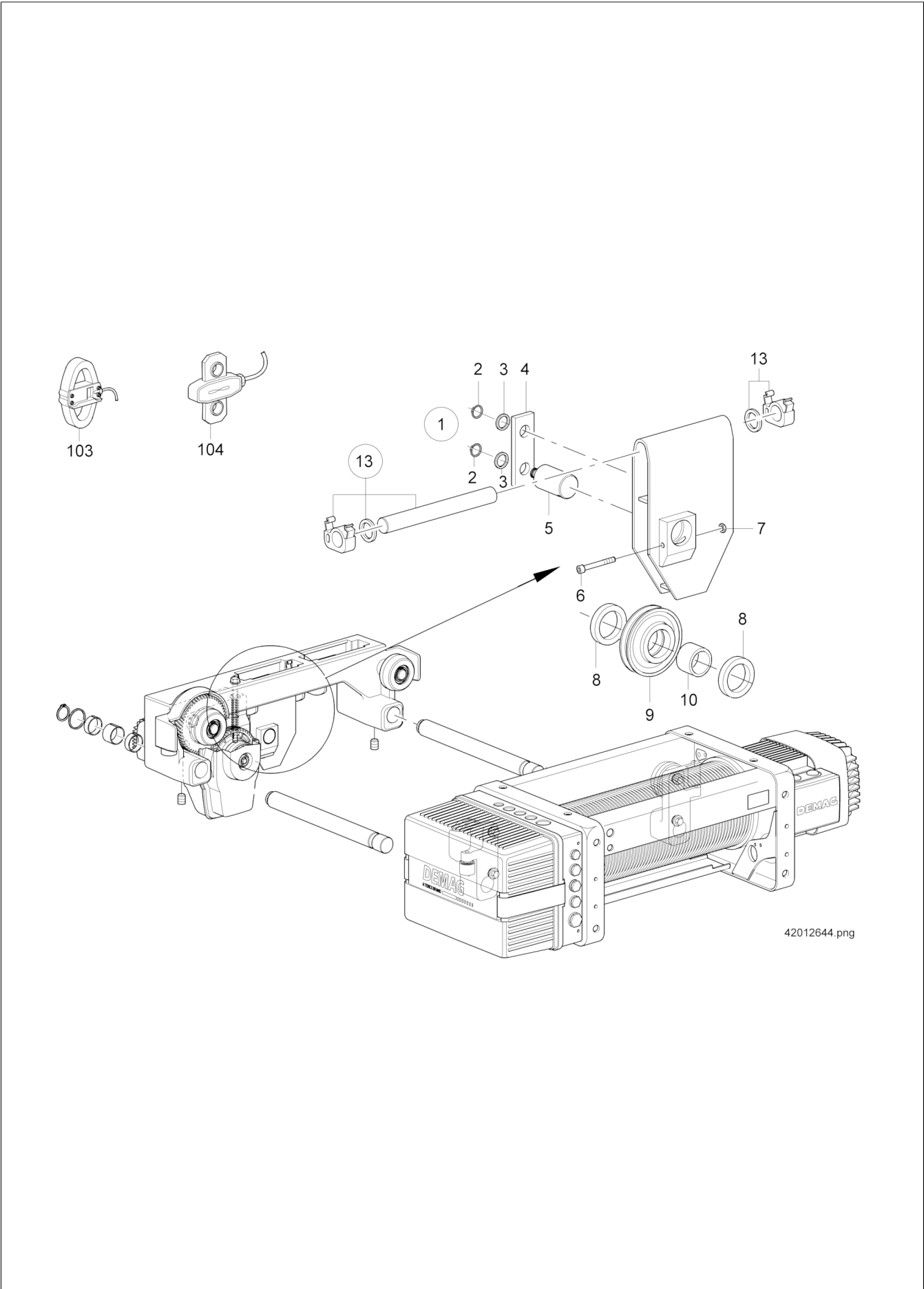
EKDH, Trolley size 5,
Rope retaining crosshead,
2/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 420, 416, 412, 410

Item	Part no.	Quantity	Designation		Material	RSP
1	82871033	1	Rope wedge crosshead KDH 3_400	c/w items 2, 3, 7, 1)		
2	82812933	1	Rope anchorage set EKDH 300	c/w items 3, 7		
3	82258033	1	Bolt connection set + spring clip	1), 2)	20x56	
7	82830033	1	Rope wedge crosshead 3-400 2/1		Set	
11	82853833	1	Set of pins EKDH 200-400	3)		
100	82258033	1	Bolt connection set + spring clip	1), 2)	20x56	
103	49159633	1	Unit MGS 1,6 T Set	DH 416	DH300/400	
103	49160544	1	Unit MGS 2,0 T	DH 420	DH 320	
103	49169633	1	Unit MGS 1,25 T Set	DH 412	DH212,312	
103	49179633	1	Unit MGS 1,0 T Set	DH 410	DH210,310	
104	49160033	1	Strain gauge car.link set ZMS 2,00t	DH 420, 416, 412, 410	DH300/500	

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1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.
3) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g)

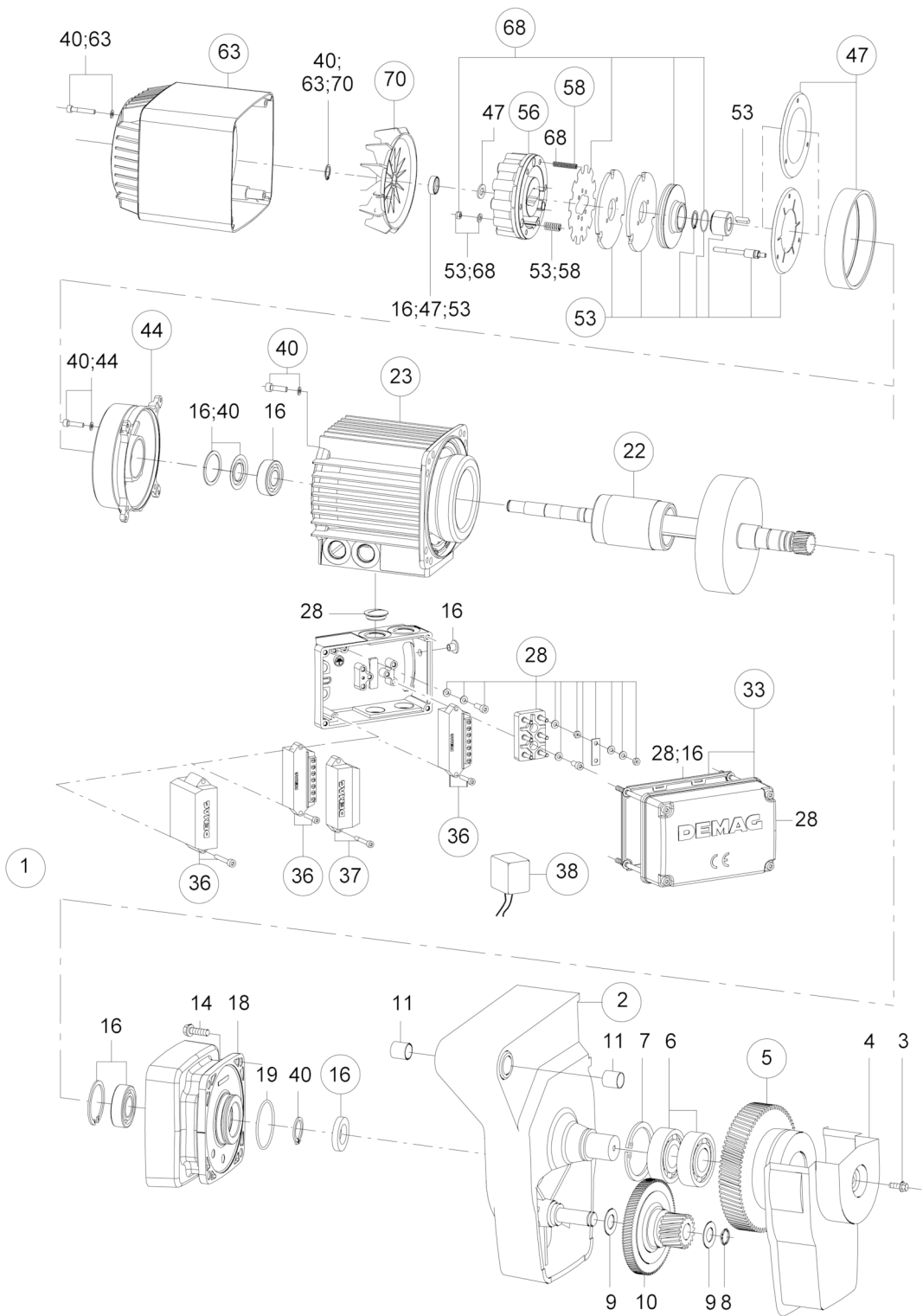


EKDH, Trolley size 5,
Compensating sheave 112/7,5,
4/2 reeving - H20

Low-headroom monorail hoist,
EKDH 400

Item	Part no.	Quantity	Designation		Material	RSP
1	82877544	1	Compensating sheave 112/ 7,5	c/w items 2 - 10, 1)	KDH 3/ 400	
2	34252099	2	Retaining ring 20X1,2		FedSt	
3	82808144	2	Washer 20,3X 27 X 2,8		PA 6.6	
4	82804544	1	Flat piece 40X 10X 120BOH		DH 160 4/1	
5	82802144	1	Bolt axle top block DH 160		C45SH	
6	32158499	1	Hex.socket cylind.screw M 8 X 75	MA= 39 Nm	8.8 A2F	
7	33460844	1	Lock nut V M 8		8 A2F	
8	98672844	2	Washer 42 X 61,9X 6		ST35	
9	82819244	1	Rope sheave 112- 7,5		GG-20	
10	82877444	1	Bush 40,1X 55 X20		PA 66	
13	82853833	1	Set of pins EKDH 200-400	1)		
103	49169644	1	Unit MGS 1,25 T	DH 425	DH 212,312	
103	49179644	1	Unit MGS 1,0 T	DH 420	DH 210,310	
103	49189644	1	Unit MGS 0,8 T	DH 416	DH 208,308	
103	49179144	1	Unit MGS 0,624T	DH 412	DH166,P,PL	
103	49189144	1	Unit MGS 0,5 T	DH 410	DH165,P,PL	
104	49139144	1	Strain gauge carr. link ZMS 1,25t	DH 400	DH,PLV,P	

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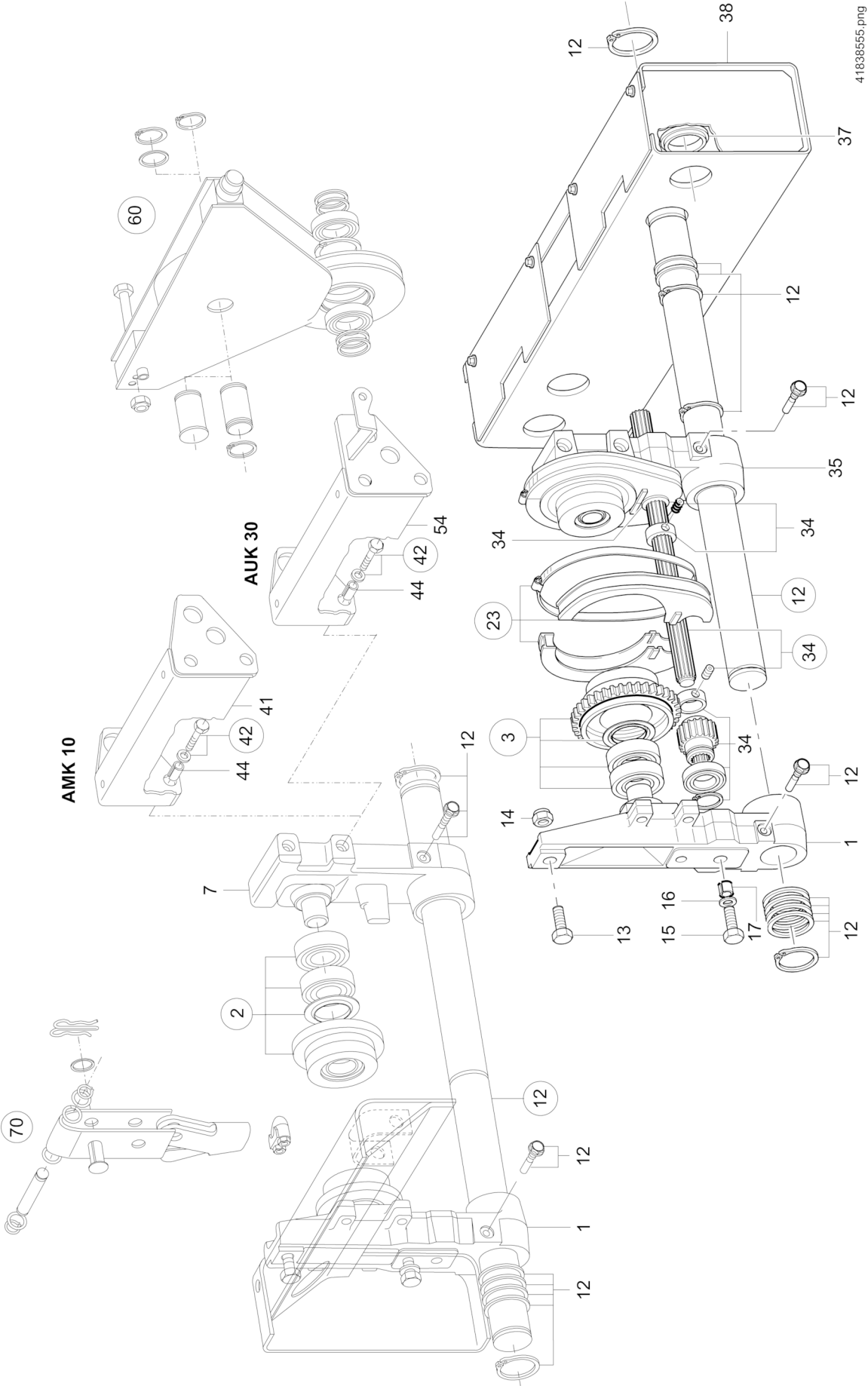
EKDH, Trolley size 5,
Travel drive with ZBF 80 motor - brake B020

Low-headroom monorail trolley,
EKDH 400

Item	Part no.	Quantity	Designation		Material	RSP
			Travel speed 12,5 m/min			
1	80366346	1	Drive unit EKDH 5 ZBF80A4		V=12,5	
			Travel speed 25 m/min, 6,3/25 m/min	1)		
1	80366446	1	Drive unit EKDH 5 ZBF80A28		V= 6,3/25	
			Travel speed 4,1/12,5 m/min			
1	80367046	1	Drive unit EKDH 5 ZBF80A412		V=4,1/12,5	
			Travel speed 6,3/19 m/min			
1	80367146	1	Drive unit EKDH 5 ZBF80A412		V=6,3/19	
2	83196044	1	Drive unit bogie link Gr. 5	c/w items 3 - 5, 8 - 11, FH = 24,7 m/min, 2)	I= 44,72	
3	34326744	1	Lock screw M 8X16 VB.RIPP		100 flZnL	
4	83051744	1	Hood 160 DH 160	DH 200, 2)	ST04 Z ZN	
5	83153044	1	Drive wheel 2-DH 200	c/w items. 6, 7, 2)	DH 200	
6	36822699	2	Grooved ball bearing 6206 2Z		Wlz-St !F	
7	34265699	1	Retaining ring 62X2		FedSt	
8	34251899	1	Retaining ring 18X1,2		FedSt	
9	82010944	2	Axial bearing disk 18X 32X1		AS 1832	
10	83195344	1	Cluster gear Z109M1 Z18M2	FH = 24,7 m/min, 2)	EKDH GR.5	
11	87040342	2	Bush 20X 23X15 B		ST/PTFE	
14	10010698	4	Lock screw M 8X20 VB.RIPP		100 flZnL	
16	36646433	1	Bearing and sealing set Z80/90A			
18	21868484	1	End shield travel unit Z 80			
19	36722499	1	O-ring 55 X 2.5 N		NBR 70	
22			Rotor/pinion assembly	3)		
23	21603584	1	Stator ZBF 80A 4	230/400V 50 Hz	230/400V50	
23	21603884	1	Stator ZBF 80A 8/2	400V 50 Hz	380-400V50	
23	21605684	1	Stator ZBF 80A 12/4	400V 50 Hz	380-400V50	
28	79499133	1	Terminal box set Z 80 / 90A	c/w item 33		
33	21882533	1	Terminal box cover Z 63- 90		Deckelset	
36	26089284	1	Brake control GE 1,5A	A4, U AC= 110-500V		
36	26094384	1	Brake control GF 0,8A	A2/8, 4/12	220-500V	
37	26086484	1	Current relay SE0,25-4,0A AC	A 4	Z 63- 71	
38	26089884	1	VDR resistor insulated		Bremse	
40	34250333	1	Mounting parts set Z 80 / 90A			
44	21866333	1	End shield set BS ZB 80/ 90		B020	
47	26023033	1	Masking tape Br. IP55 B020	4)	ZB 80	
53	26097133	1	Overhauling set B020/ZB 80	4)	ZB 90A	
56	26025033	1	Magnet body set B020 180V			
58	26021033	1	Brake spring set B020	3,3 Nm		
63	21874033	1	Fan cover set ZB 80/90A		DG lang	
68	26097533	1	Wear and tear set B020	4)		
70	21871533	1	Fan set Z80/90A leicht			

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- 1) Only the 2-pole winding is connected for a single travel speed.
- 2) The travel drive gearing under the cover must be lubricated with grease (approx. 100g Renolit S2) Part no.460 000 44 (400g). The geared travel wheel must be lubricated with the same grease. This lubrication is sufficient for two years at normal operation and must be repeated after this time.
- 3) Please specify the motor and gearbox serial number when ordering this assembly (component parts will not be supplied). Refer to the rating plates for these details. Replacement assemblies will be supplied dependent on the gearbox transmission ratio and motor size.
- 4) For service in arduous conditions.

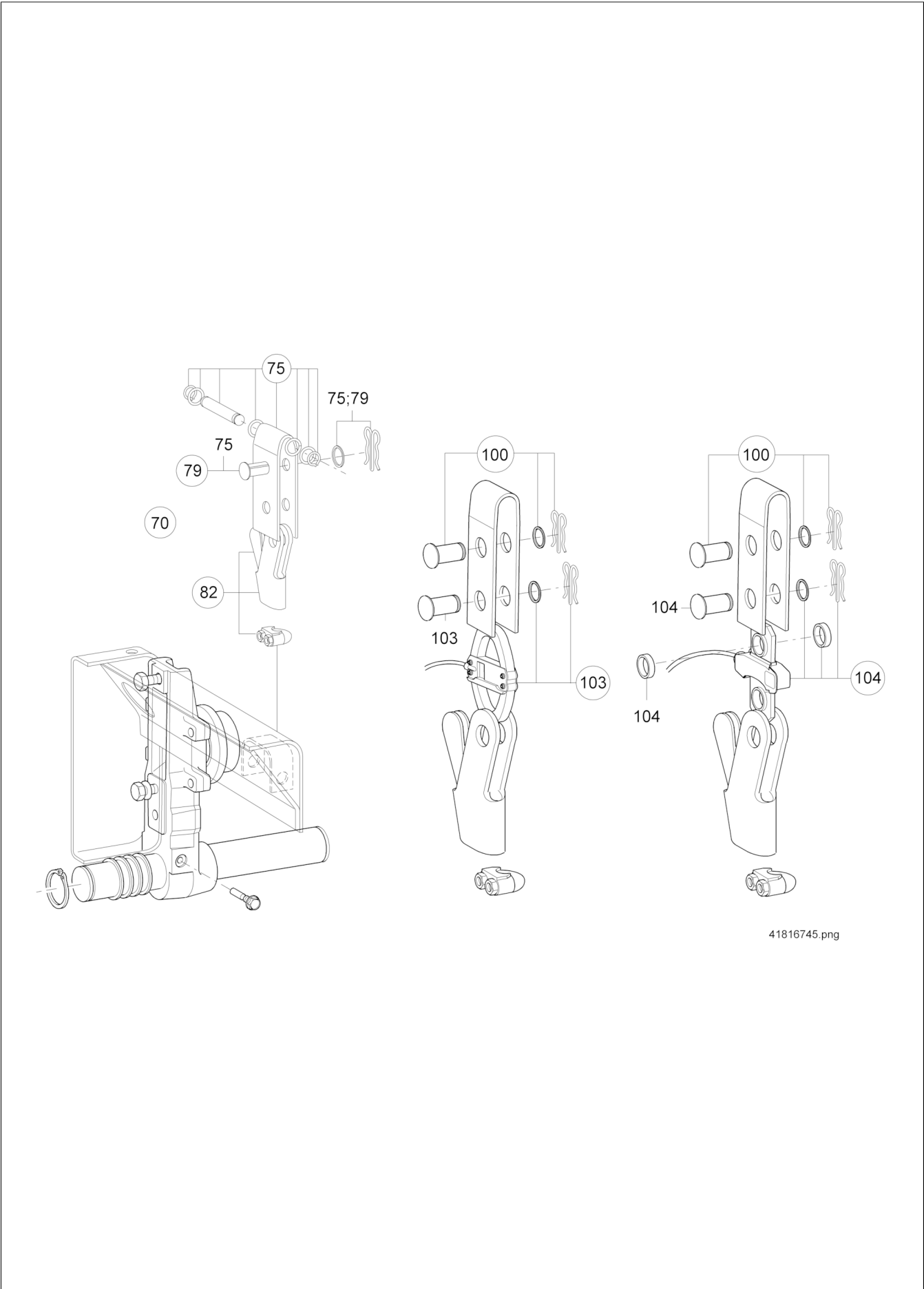


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Item	Part no.	Quantity	Designation	Material	RSP
1	83172944	2	Longit. member w. with pin AH-NAH KDH 6		
2	83023844	2	Cylindrical tr.wheel 125 1SPK OZ	EKDH 325	
2	83024444	2	Conical travel wheel 125 1SPK OZ	EKDH 325	
3	83022944	2	Cylindrical tr.wheel 125 1SPK MZ	EKDH 325	
3	83023444	2	Conical travel wheel 125 1SPK MZ	EKDH 325	
7	83170944	1	Longit. member w. with pin NA KDH 6		
12	83077233	1	Supporting pin set EKDH GR 6	Fl. W. 100 - 165 mm	FLB100-245
12	83077233	1	Supporting pin set EKDH GR 6	Fl. W. 166 - 245 mm	FLB100-245
12	83077333	1	Supporting pin set EKDH GR 6	Fl. W. 246 - 305 mm	FLB246-305
12	83077433	1	Supporting pin set EKDH GR 6	Fl. W. 306 - 420 mm	FLB306-420
13	10012298	2	Lock screw M16X50 VB.RIPP	MA= 215 Nm	100 flZnL
14	30028644	2	Lock nut M16 VB.RIPP		10
15	15048099	2	Hexagonal screw M12 X 45	MA= 86 Nm	8.8 A2F
16	31621699	2	Washer 13 X 24 X 3		C 45 HV
17	34547399	2	Split sleeve 16 X 18		St
23	59549433	2	Cover set Fahrwerk	1)	GR. 6
34	75210833	1	Pinion shaft set N25/W25x465	Fl. W. 100 - 165 mm, AMK 10	EU+KDH 6
34	75210933	1	Pinion shaft set N25/W25x545	Fl. W. 166 - 245 mm, AMK 10	EU+KDH 6
34	75211033	1	Pinion shaft set N25/W25x635	Fl. W. 246 - 335 mm, AMK 10	EU+KDH 6
34	75211133	1	Pinion shaft set N25/W25x750	Fl. W. 336 - 420 mm, AMK 10	EU+KDH 6
34	75211233	1	Pinion shaft set N30/W30x480	Fl. W. 100 - 165 mm, AUK 30	EU+KDH6+10
34	75211333	1	Pinion shaft set N30/W30x560	Fl. W. 166 - 245 mm, AUK 30	EU+KDH6+10
34	75211433	1	Pinion shaft set N30/W30x650	Fl. W. 246 - 335 mm, AUK 30	EU+KDH6+10
34	75211533	1	Pinion shaft set N30/W30x765	Fl. W. 336 - 420 mm, AUK 30	EU+KDH6+10
35	83171344	1	Longit. member w. with pin A KDH 6		
37	83066444	4	Cover GKG 66		ST34
38	83166044	1	Counterweight box KDH 300H20		N.ZEICHNG.
41	83175644	1	Connecting plate KDH 3- 400-H12	AMK 10	Gr. 6AMK20
41	83175744	1	Connecting plate KDH 3- 400-H20	AMK 10	Gr. 6AMK20
42	47936233	4	Screw set M16x 55 HV	MA= 280 Nm	Verz. MoS2
44	34577599	4	Split sleeve 21 X 28		St
54	83175844	1	Connecting plate KDH 3- 400-H12	AUK 30	Gr. 6AUK30
54	83175944	1	Connecting plate KDH 3- 400-H20	AUK 30	Gr. 6AUK30
60			Return sheave	2)	
70			Rope retaining crosshead	3)	

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1) Lubrication 180 g, part no. 472 915 44 (400 g).
2) Spare parts see chapter "Return sheave".
3) Spare parts see chapter "Rope wedge crosshead".



EKDH, Trolley size 6,
Rope retaining crosshead,
4/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 425

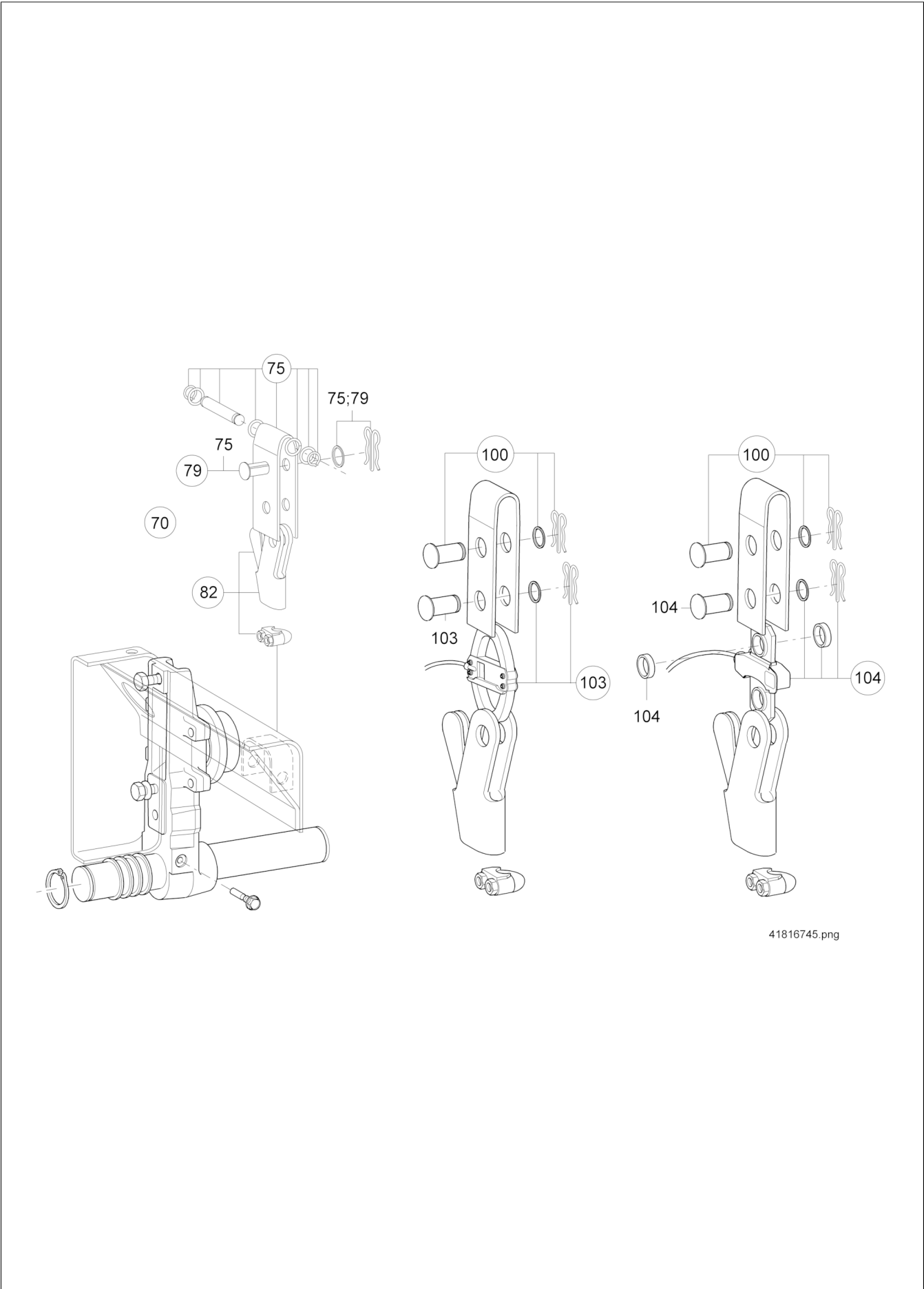
Item	Part no.	Quantity	Designation		Material	RSP
70	82830133	1	Rope wedge crosshead 425 Set	c/w items 75, 82, 1), 2)	DH 400	
75	82357933	1	Pin connection set 2/1		DH 400	
79	82358033	1	Bolt connection set + spring clip	2), 3)	25x65	
82	82821833	1	Rope anchorage set DH425 2/1		DH500	
100	82358033	1	Bolt connection set + spring clip	2), 3)	25x65	
103	49159233	1	Unit MGS 2,5 T Set		DH400/600	
104	49139233	1	Strain gauge car.link set ZMS 2,50t		P 400	

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- 1) Check suspension of rope retaining crosshead. When fitting the rope retaining crosshead, it must be ensured that the retaining ring engages the groove in the pin. After fitting, it must be possible to turn the retaining ring easily.
- 2) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.

EKDH, Trolley size 6,
Rope retaining crosshead,
4/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 420, 416, 412, 410



EKDH, Trolley size 6,
Rope retaining crosshead,
4/1 reeving - H12 - H20

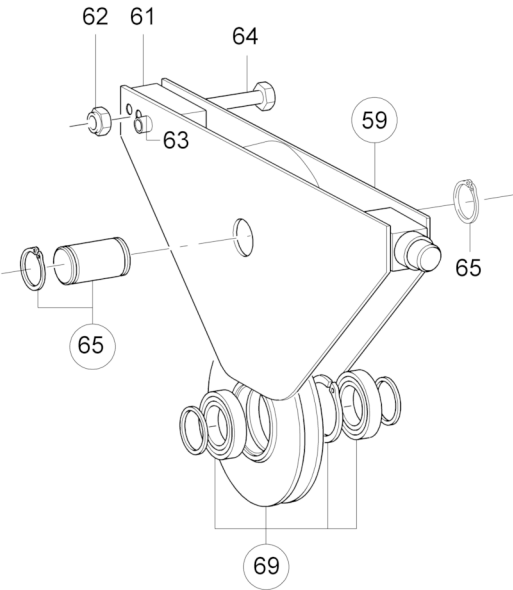
Low-headroom monorail hoist,
EKDH 420, 416, 412, 410

Item	Part no.	Quantity	Designation		Material	RSP
1	82830033	1	Rope wedge crosshead 3-400 2/1	c/w items 75, 82, 1), 2)	Set	
75	82357933	1	Pin connection set 2/1		DH 400	
79	82258033	1	Bolt connection set + spring clip	2), 3)	20x56	
82	82811233	1	Rope anchorage set DH300/400			
100	82258033	1	Bolt connection set + spring clip	2), 3)	20x56	
103	49160544	1	Unit MGS 2,0 T	DH 420	DH 320	
103	49159633	1	Unit MGS 1,6 T Set	DH 416	DH300/400	
103	49169633	1	Unit MGS 1,25 T Set	DH 412	DH212,312	
103	49179633	1	Unit MGS 1,0 T Set	DH 410	DH210,310	
104	49160033	1	Strain gauge car.link set ZMS 2,00t	DH 420, 416, 412, 410	DH300/500	

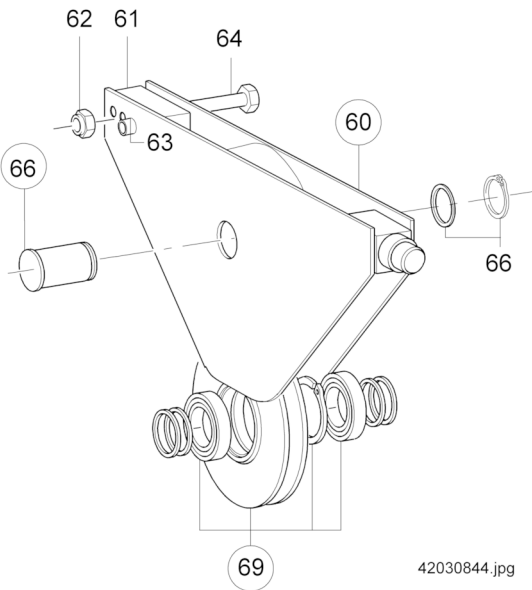
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- 1) Check suspension of rope retaining crosshead. When fitting the rope retaining crosshead, it must be ensured that the retaining ring engages the groove in the pin. After fitting, it must be possible to turn the retaining ring easily.
- 2) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 3) Check during maintenance. Check play of setpin in the bore hole of the rope retaining crosshead plate (max. wear in the plate 1 mm) Make sure that the double spring clip is latched.

225/11



280/11



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EKDH, Trolley size 6,
Return sheave 225/11 - 280/11
4/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 400

Item	Part no.	Quantity	Designation		Material	RSP
			Return sheave 225/11	EKDH 425 - 412		
59	82873033	1	Top block set 225 11 3-400H12	c/w items 61 - 65, 69, 1)	KDH	
59	82875044	1	Top block 225 11 3- 400H20	c/w items 61 - 65, 69, 1)	KDH	
61	82873344	1	Axle journal top block 225		S355J2G3	
62	33461044	1	Lock nut V M10		8 A2F	
63	15090999	2	Split sleeve 14 X 60		St V	
64	15054699	1	Hexagonal screw M10 X 75	MA= 60 Nm	8.8 A2F	
65	82815433	1	Bolt top block DH3-600		45x72	
69	82911233	1	Rope sheave set 225/11		DH 300	
			Return sheave 280/11	EKDH 410		
60	82874044	1	Top block 280 11 3- 400H12	c/w items 61 - 64, 69, 1)		
60	82876044	1	Top block 280 11 3- 400H20	c/w items 61 - 64, 69, 1)		
61	82874344	1	Axle journal top block 280		S355J2G3	
62	33461044	1	Lock nut V M10		8 A2F	
63	15091099	2	Split sleeve 16 X 65		St V	
64	15046199	1	Hexagonal screw M10 X 80	MA= 60 Nm	8.8 A2F	
66	82883333	1	Setbolt DH 3-600		55x75,5	
69	82968533	1	Rope sheave set 280/11,3		DH 300	

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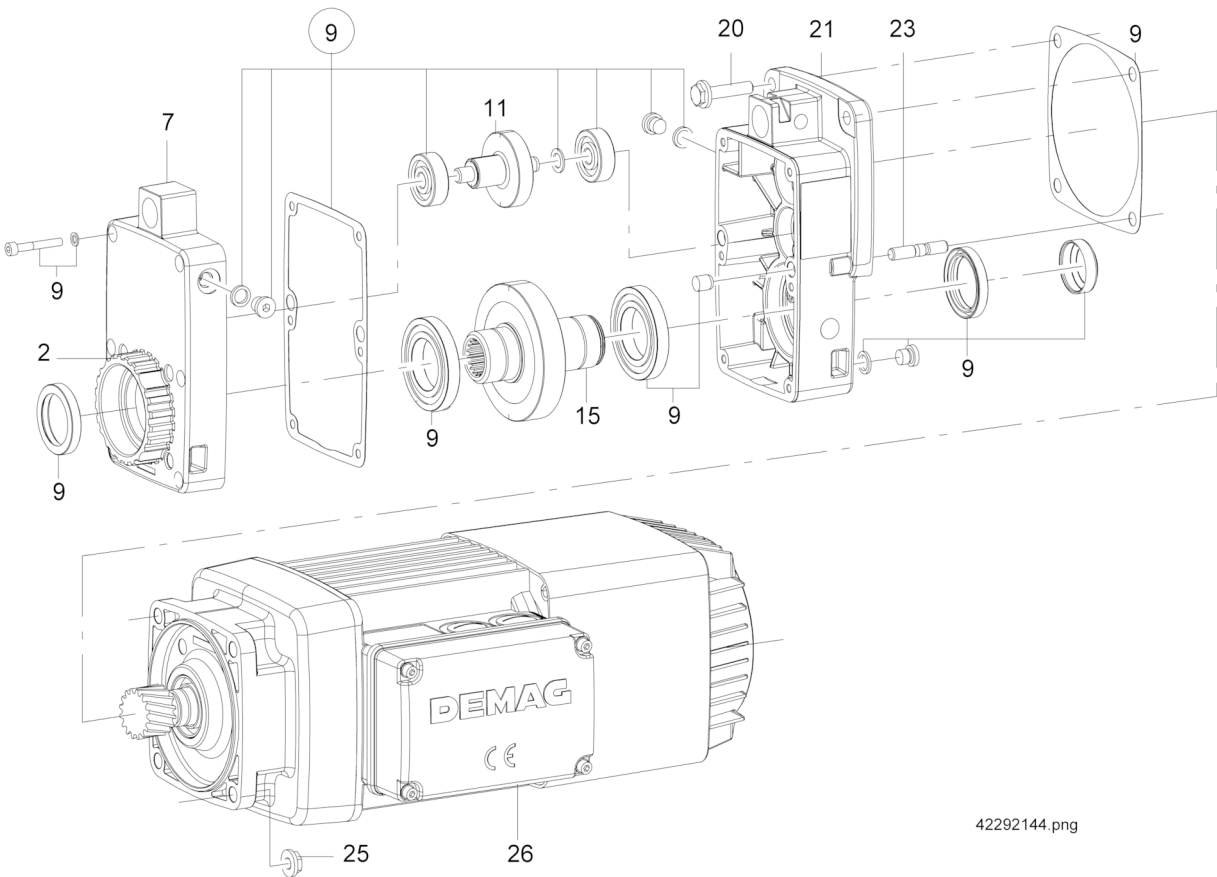
EKDH, Trolley size 6,
Travel drives AMK 10/AUK 30,
4/1 reeving - H12 - H20

Low-headroom monorail hoist,
EKDH 400

Item	Part no.	Quantity	Designation		Material	RSP
1	83120944	1	Torque arm support GR.6-10 A20	AMK 10	S235JRG2C	
2	10011198	2	Lock screw M10X20 VB.RIPP	AMK 10, MA= 65 Nm	100 flZnL	
3	31923999	4	Hex.socket cylind.screw M 8 X 18	AMK 10	10.9	
5			Travel speed 12,5 m/min, 3,1/12,5 m/min	1)		
5	84504046	1	Drive unit AMK10DD M0 25 25,7	DH 416, 412, 410, ZBF 63 A 8/2 B 003, 2)	ZBF 63A8/2	
5	84504546	1	Drive unit AMK10DD M0 25 25,7	DH 425, 420, ZBF 71 A 8/2 B 003, 2)	ZBF 71A8/2	
5			Travel speed 20 m/min, 5/20 m/min	1)		
5	84504646	1	Drive unit AMK10DD M0 25 15,7	DH 412, 410, ZBF 71 A 8/2 B 003, 2)	ZBF 71A8/2	
5	84505146	1	Drive unit AMK10DD M0 25 15,7	DH 420, 416, ZBF 80 A 8/2 B 020, 2)	ZBF 80A8/2	
5	84515346	1	Drive unit AUK30DDB14 30 15,7	DH 425, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5			Travel speed 31,5 m/min, 8/31,5 m/min	1)		
5	84505246	1	Drive unit AMK10DD M0 25 10,5	DH 410, ZBF 80 A 8/2 B 020, 2)	ZBF 80A8/2	
5	84515246	1	Drive unit AUK30DDB14 30 10,1	DH 420, 416, 412, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5	84516046	1	Drive unit AUK30DDB14 30 10,1	DH 425, ZBF 100 A 8/2 B 050, 3)	ZBF100A8/2	
5			Travel speed 40 m/min, 10/40 m/min	1)		
5	84515146	1	Drive unit AUK30DDB14 30 7,8	DH 416, 412, 410, ZBF 90 B 8/2 B 020, 3)	ZBF 90B8/2	
5	84515946	1	Drive unit AUK30DDB14 30 7,8	DH 425, 420, ZBF 100 A 8/2 B 050, 3)	ZBF100A8/2	
10	33461244	1	Lock nut V M12	AUK 30	8 A2F	
11	16062399	2	Washer 13 X 35 X 5	AUK 30	C 35 H	
12	81120444	2	Spring element 13 X35X12	AUK 30	PA6 GV30	
13	15054799	1	Hexagonal screw M12 X 75	AUK 30, MA= 50 Nm	8.8 A2F	
41	83175744	1	Connecting plate KDH 3- 400-H20	AMK 10	Gr. 6AMK20	
41	83175644	1	Connecting plate KDH 3- 400-H12	AMK 10	Gr. 6AMK20	
54	83175844	1	Connecting plate KDH 3- 400-H12	AUK 30	Gr. 6AUK30	
54	83175944	1	Connecting plate KDH 3- 400-H20	AUK 30	Gr. 6AUK30	

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1) Only the 2-pole winding is connected for a single travel speed.
2) Spare parts see chapter "AMK 10 DD travel drive".
3) Spare parts see chapter "AUK 30 DD travel drive".



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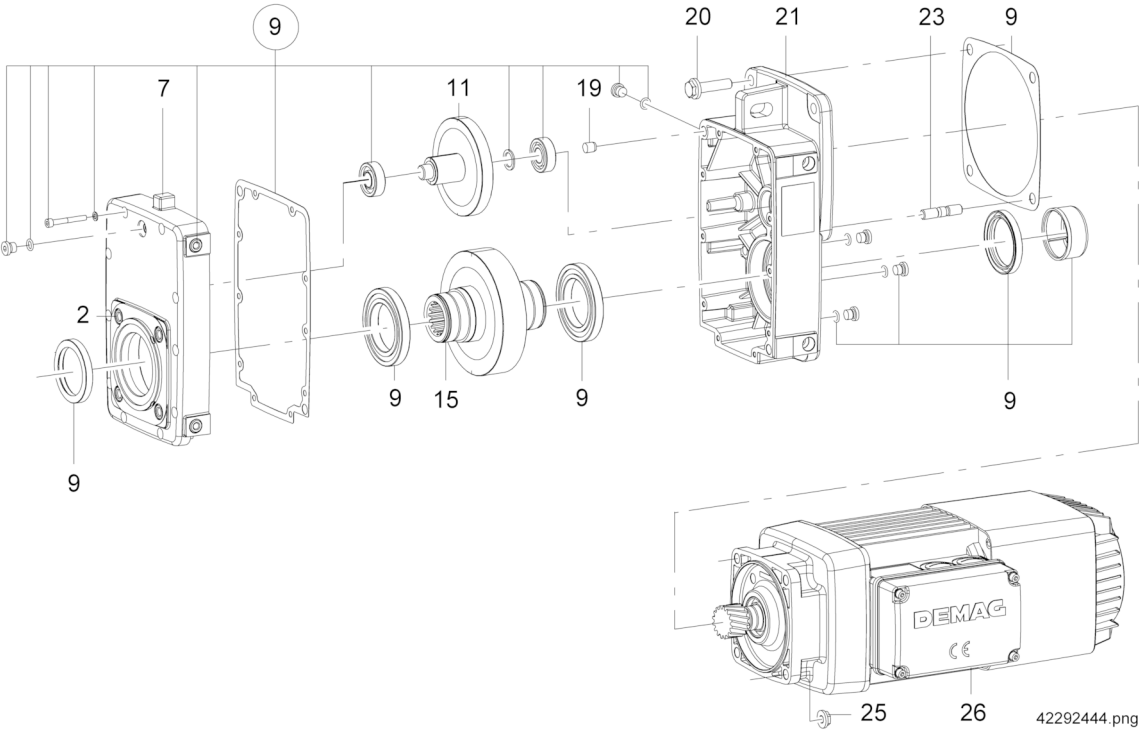
Travel drive AMK 10 DD

EU-, EKDH 400,
4/1 reeving,
Trolley size 6

Item	Part no.	Quantity	Designation		Material	RSP
2	34301544	4	Threaded insert M 8X12M12 C		ST-GEH.	
7	78701444	1	Cover gearbox AM10		GDALSI12CU	
9	78701533	1	Bearing and sealing set A10			
11	84131846	1	Cluster gear Z13M1.25Z 37M1.25	i = 10.5	A 10 D	
11	84130746	1	Cluster gear Z11M1.25Z 40M1.25	i = 15.7	A 10 D	
11	84130546	1	Cluster gear Z11M1.25Z 45M1.25	i = 25.7	A 10 D	
15	84134046	1	Output shaft with gear wheel Z70	i = 10.5	AUK10 D	
15	84132046	1	Output shaft with gear wheel Z69	25,7	AUK10 D	
19	15055399	2	Cylinder pin 10 m 6X 12		St50 K	
20	10010898	2	Lock screw M 8X35 VB.RIPP		100 flZnL	
21	78700844	1	Gearbox housing A10		KUPPLUNG	
23	15064299	2	Stud M 8 X 22		10.9 B2=14	
25	30028244	4	Lock nut M 8 VB.RIPP	MA= 45 Nm	10	
26			Motor ZBF 63/71	1)		
26			Motor ZBF 80/90A	2)		

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1) Spare parts see spare parts list 222 856 44_en..
2) Spare parts see spare parts list 222 864 44_en..



Travel drive AUK 30 DD

EU-, EKDH 400,
4/1 reeving,
Trolley size 6

Item	Part no.	Quantity	Designation		Material	RSP
2	33893244	4	Threaded insert M10X18M16 C		ST-GEH.	
7	78721044	1	Cover gearbox AF30/AG30			
8	33893344	4	Threaded insert M 8X12M14 C		ST-Geh.	
9	78721533	1	Bearing and sealing set A30			
11	84147646	1	Cluster gear Z15M1.60Z 47M1.25	i = 7.78	A 30 D/T	
11	84147546	1	Cluster gear Z15M1.60Z 51M1.25	i = 10.1	A 30 D/T	
11	84147346	1	Cluster gear Z15M1.60Z 58M1.25	i = 15.7	A 30 D/T	
15	84151946	1	Output shaft with gear wheel Z77	i = 7.78; 10.1; 15.7, K30	AUK30 D/T	
20	10011698	2	Lock screw M10X40 VB.RIPP		100 flZnL	
21	78720644	1	Gearbox housing AG30			
23	15059999	2	Stud M10 X 25		10.9	
25	30028344	4	Lock nut M10 VB.RIPP	MA= 75 Nm	10	
26			ZBF 90B/100 motor	1)		

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