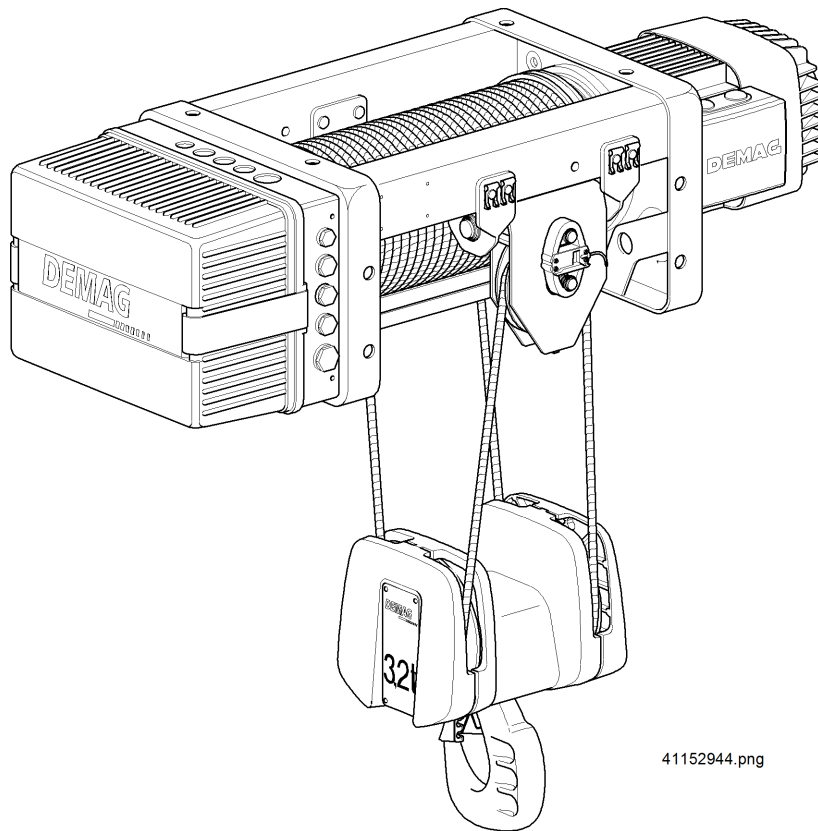


Spare parts list

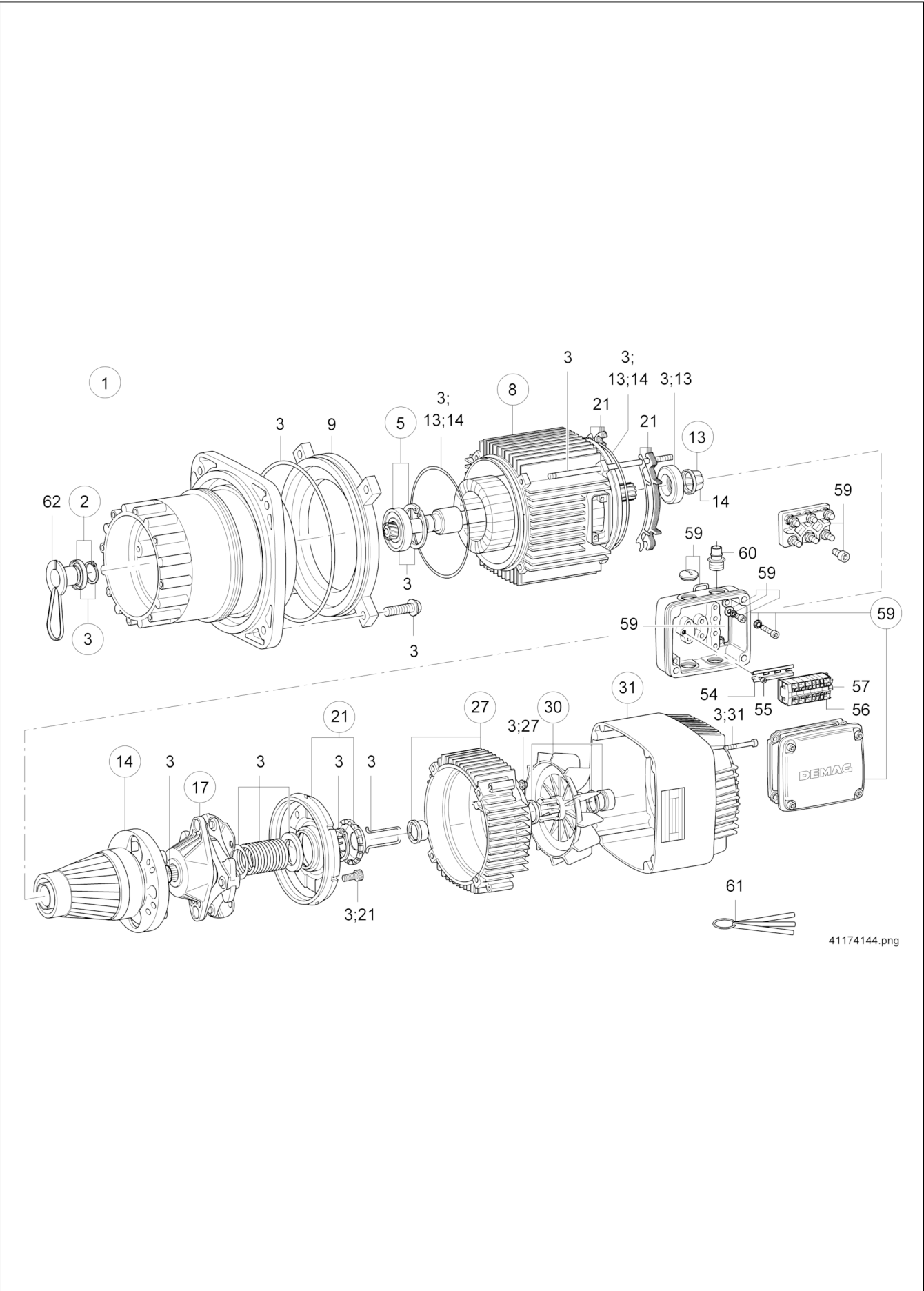
Demag DH 160 rope hoist



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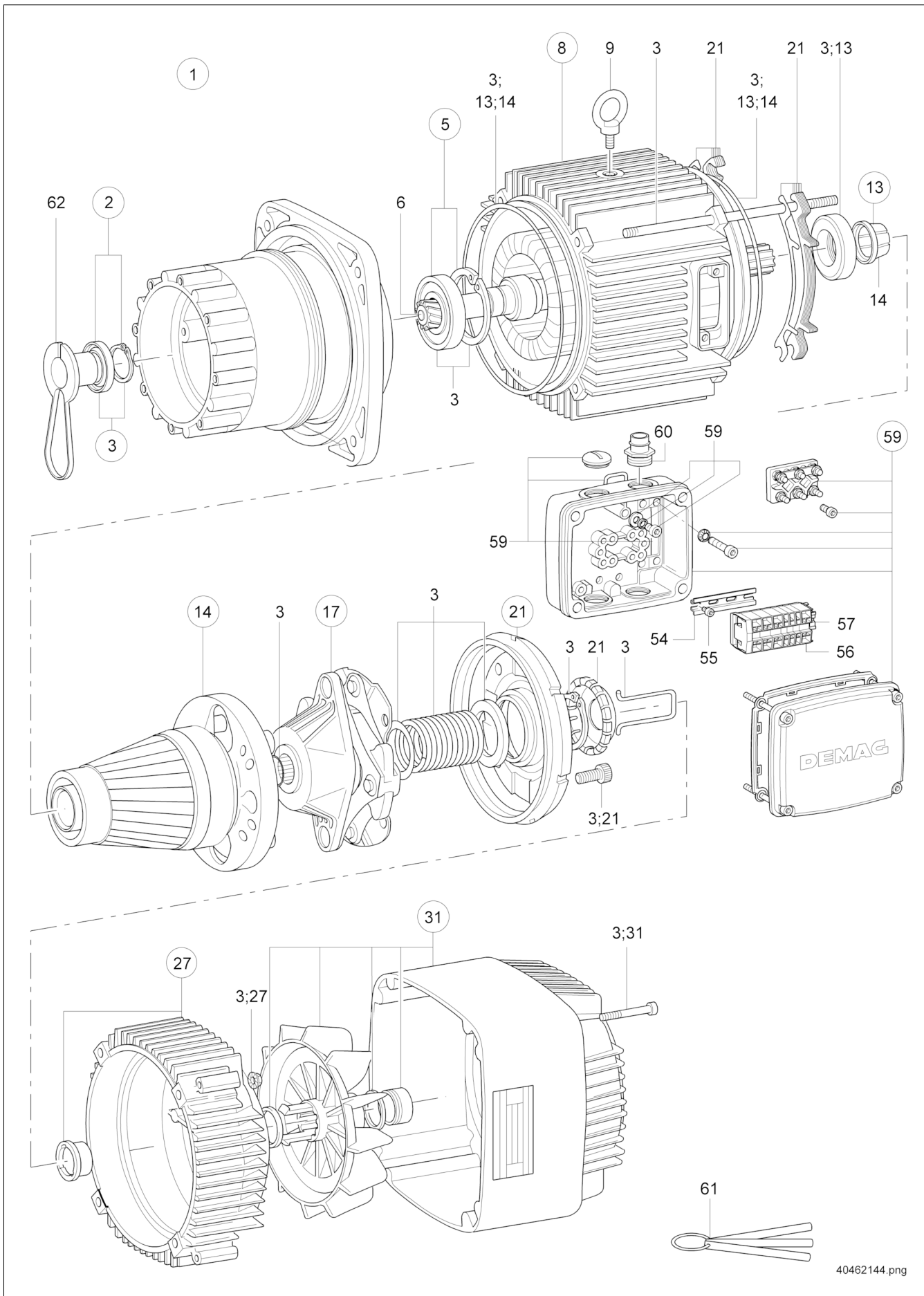
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Item	Part no.	Quantity	Designation		Material	RSP
1			Motor/Planetary gearbox	1), 2)		
2	82115033	1	Seal set DH 160/200	1)	Getriebe	
3	12881633	1	Small parts set KMH 90B 2/ 8		DH 160	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	1)	Getriebe	
8	13606233	1	Stator set KMH 90B 2/8	3)	380400V50	
9	82113644	1	Intermediate flange KM 90DH 160		GKALSI12CU	
13	13885233	1	Thrust ring set KM 90			
14	13845733	1	Rotor set KMH 90B	3)	2/8	
17	13876033	1	Engaging element KM 90			
21	13889533	1	Brake lining support set KM90			
27	13861333	1	End shield set BS KMK90			
27	13863133	1	End shield set BS KM 90	4)	CR	
30	13882233	1	Fan set KM 90			
31	13882033	1	Hood and fan set	c/w item 30	KM 90	
54	14986284	1	Supporting rail 15 / 5,5X 90M	< = 15 A	1175.OTS15	
55	32052899	2	Hex.socket cylind.screw M 4 X 8	< = 15 A	10.9 A2FIL	
56	3495684	1	Terminal block module KM	< = 15 A, 6 terminals		
57	89541944	2	End angle TS15	< = 15 A	249-101	
59	3612833	1	Terminal box set KB 71-90			
60	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
61	10041084	3	Feeler gauge set		KM 90,100	
62	83703544	1	Protective sleeve DK10/16		PP	

21756644001

1) Spare parts see chapter "Planetary gearbox".
2) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
3) When ordering a rotor or stator, a set of thrust rings (item no.13) must also be ordered for adjusting the air gap (adjust with feeler gauge no. 2, item no.61)
4) For service in arduous conditions, chromium-plated brake surface.



Item	Part no.	Quantity	Designation		Material	RSP
1			Motor/Planetary gearbox	1), 2)		
2	82115033	1	Seal set DH 160/200	1)	Getriebe	
3	12881733	1	Small parts set KMH100B 2		DH 160/200	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	1)	Getriebe	
8	14102233	1	Stator set KMH100B 2	3)	400V50	
9	31350199	1	Eyebolt M10		C15E	
13	14385233	1	Thrust ring set KM 100			
14	14345533	1	Rotor set KMH 100B	3)	2/8	
17	14376033	1	Engaging element KM 100			
21	14389533	1	Brake lining support KMK 100			
27	14363133	1	End shield set BS KM 100	4)	CR	
31	14382033	1	Hood and fan set		KM 100	
54	14986284	1	Supporting rail 15 / 5,5X 90M	< = 15 A	1175.OTS15	
55	32052899	2	Hex.socket cylind.screw M 4 X 8	< = 15 A	10.9 A2FIL	
56	3495784	1	Terminal block module KM	< = 15 A, 3 terminals		
57	89541944	2	End angle TS15	< = 15 A	249-101	
59	6998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
61	10041084	3	Feeler gauge set		KM 90,100	
62	83703544	1	Protective sleeve DK10/16		PP	

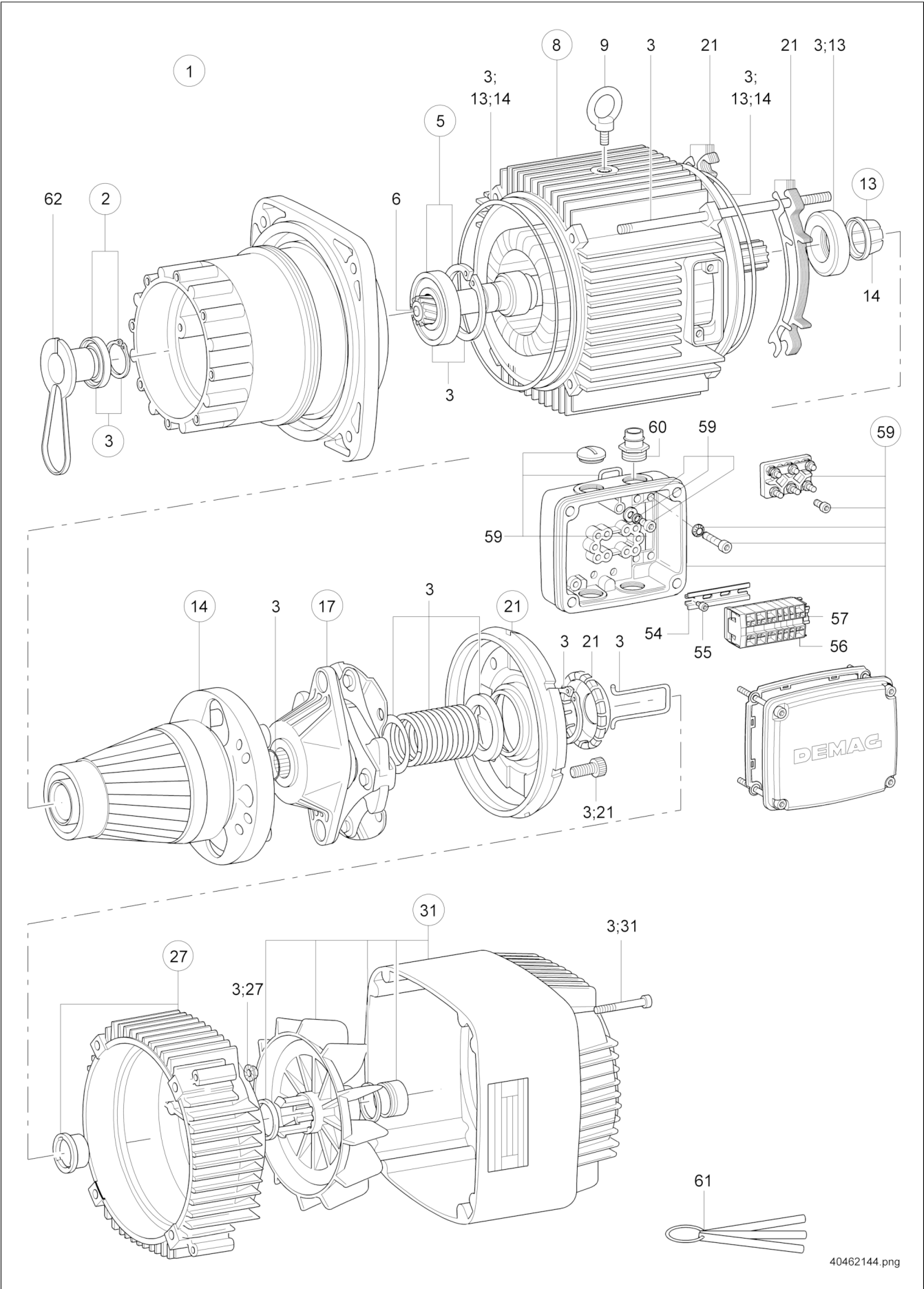
21756644002

1) Spare parts see chapter "Planetary gearbox".
2) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
3) When ordering a rotor or stator, a set of thrust rings (item no.13) must also be ordered for adjusting the air gap (adjust with feeler gauge no. 2, item no.61)
4) For service in arduous conditions, chromium-plated brake surface.

Item	Part no.	Quantity	Designation		Material	RSP
1			Motor/Planetary gearbox	1), 2)		
2	82115033	1	Seal set DH 160/200	1)	Getriebe	
3	12881833	1	Small parts set KMH100B 2/ 8	B 12/2	B 2/12 DH	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	1)	Getriebe	
8	14104733	1	Stator set KMH100B 2/8	c/w item 9, 3)	380-400V50	
8	14102433	1	Stator set KMH100B21/2	3)	400V50	
9	31350199	1	Eyebolt M10		C15E	
13	14385233	1	Thrust ring set KM 100			
14	14345533	1	Rotor set KMH 100B	B 12/2, 3)	2/8	
17	14376033	1	Engaging element KM 100			
21	14389533	1	Brake lining support KMK 100			
27	14361333	1	End shield set BS KM100			
27	14363133	1	End shield set BS KM 100	4)	CR	
31	14382033	1	Hood and fan set		KM 100	
54	14986284	1	Supporting rail 15 / 5,5X 90M	< = 15 A	1175.OTS15	
55	32052899	2	Hex.socket cylind.screw M 4 X 8	< = 15 A	10.9 A2FIL	
56	3495684	1	Terminal block module KM	< = 15 A, 6 terminals		
57	89541944	2	End angle TS15	< = 15 A	249-101	
59	6998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
61	10041084	3	Feeler gauge set		KM 90,100	
62	83703544	1	Protective sleeve DK10/16		PP	

21756644003

1) Spare parts see chapter "Planetary gearbox".
2) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
3) When ordering a rotor or stator, a set of thrust rings (item no.13) must also be ordered for adjusting the air gap (adjust with feeler gauge no. 2, item no.61)
4) For service in arduous conditions, chromium-plated brake surface.

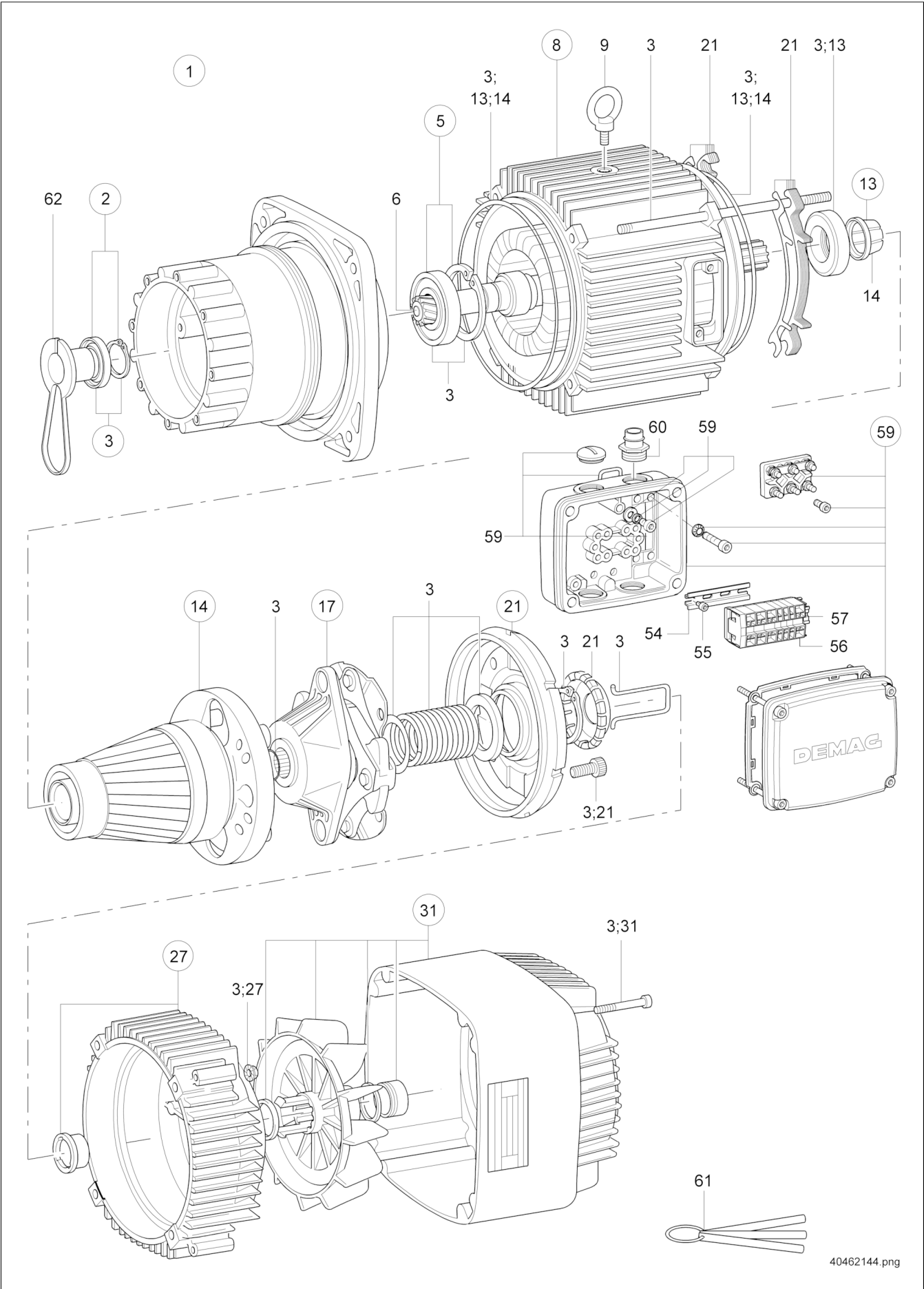


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Item	Part no.	Quantity	Designation		Material	RSP
1			Motor/Planetary gearbox	1), 2)		
2	82115033	1	Seal set DH 160/200	1)	Getriebe	
3	12881933	1	Small parts set KMH112B 2/ 8		B 2/12 DH	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	1)	Getriebe	
6	14830933	1	Shaft KMH112B		DH 160/200	
8	14603133	1	Stator set KMH112B 2/8	c/w item 9, 3)	380/400V50	
9	31350199	1	Eyebolt M10		C15E	
13	14885233	1	Thrust ring set KM 112			
14	14845433	1	Rotor set KMK 112	3)	B2/8	
17	14876033	1	Engaging element KM 112			
21	14889533	1	Brake lining support KMK 112			
27	14861333	1	End shield set BS KM112			
27	14863133	1	End shield set BS KM 112	4)	CR	
31	14889633	1	Hood and fan set		KM 112	
54	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	
56	3495684	1	Terminal block module KM	< = 15 A, 6 terminals		
57	89541944	2	End angle TS15	< = 15 A	249-101	
59	6998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
61	10041184	3	Feeler gauge set		KM 112	
62	83703544	1	Protective sleeve DK10/16		PP	

21756644004

1) Spare parts see chapter "Planetary gearbox".
2) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
3) When ordering a rotor or stator, a set of thrust rings (item no.13) must also be ordered for adjusting the air gap (adjust with feeler gauge no. 2, item no.61)
4) For service in arduous conditions, chromium-plated brake surface.



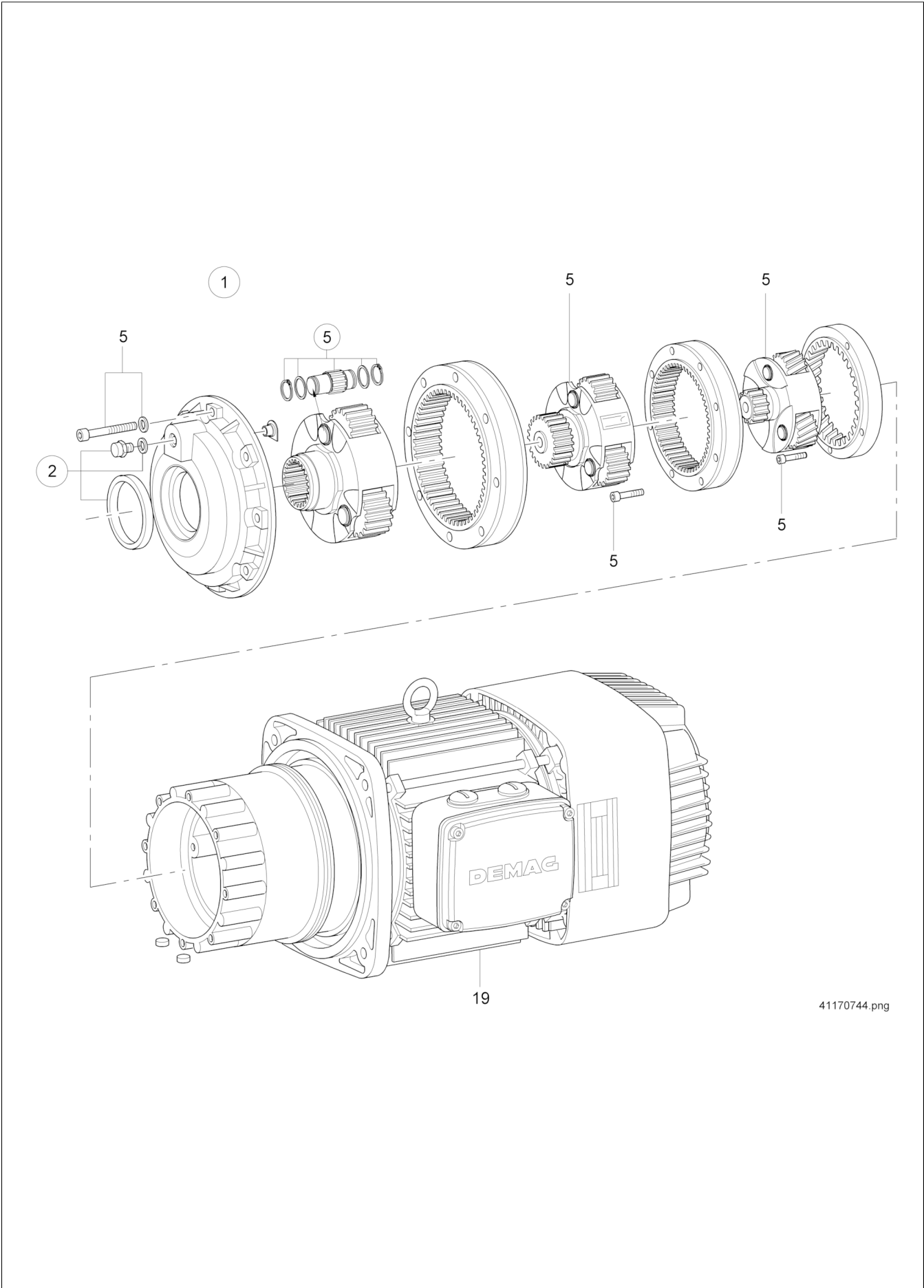
Item	Part no.	Quantity	Designation		Material	RSP
1			Motor/Planetary gearbox	1), 2)		
2	82115033	1	Seal set DH 160/200	1)	Getriebe	
3	12881933	1	Small parts set KMH112B 2/ 8		B 2/12 DH	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	1)	Getriebe	
6	14830933	1	Shaft KMH112B		DH 160/200	
8	14603233	1	Stator set KMH112B2/12	c/w item 9, 3)	380/400V50	
9	31350199	1	Eyebolt M10		C15E	
13	14885233	1	Thrust ring set KM 112			
14	14845433	1	Rotor set KMK 112	3)	B2/8	
17	14876033	1	Engaging element KM 112			
21	14889533	1	Brake lining support KMK 112			
27	14861333	1	End shield set BS KM112			
27	14863133	1	End shield set BS KM 112	4)	CR	
31	14889633	1	Hood and fan set		KM 112	
51	6990984	1	Pass through cable		S20LSB GR.	
54	14986284	1	Supporting rail 15 / 5,5X 90M	< = 15 A	1175.OTS15	
55	32052899	2	Hex.socket cylind.screw M 4 X 8	< = 15 A	10.9 A2FIL	
56	3495684	1	Terminal block module KM	< = 15 A, 6 terminals		
57	89541944	2	End angle TS15	< = 15 A	249-101	
59	6998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe socket M32X1,5 NW24		PA 6.6	
61	10041184	3	Feeler gauge set		KM 112	
62	83703544	1	Protective sleeve DK10/16		PP	

21756644005

1) Spare parts see chapter "Planetary gearbox".
2) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
3) When ordering a rotor or stator, a set of thrust rings (item no.13) must also be ordered for adjusting the air gap (adjust with feeler gauge no. 2, item no.61)
4) For service in arduous conditions, chromium-plated brake surface.

3-stage planetary gearbox drive,
Combination with corresponding motor
for one/two hoist speeds

DH 160



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3-stage planetary gearbox drive, Combination with corresponding motor for one/two hoist speeds

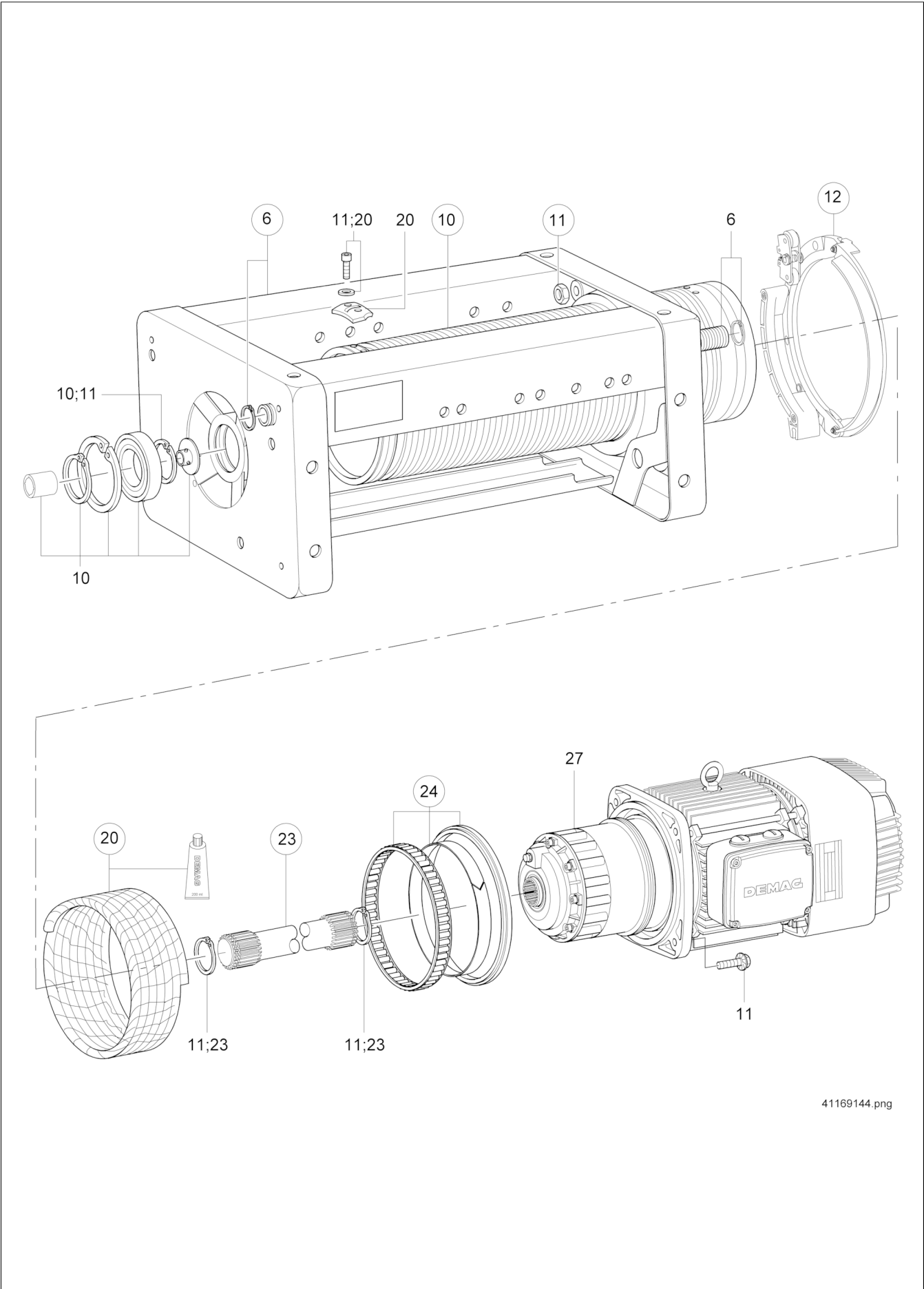
DH 160

Item	Part no.	Quantity	Designation		Material	RSP
			Drive set KMH 90 B 8/2	1), 2)		
1	82113133	1	Drive set 160 KMH 90	DH 165 V1, i = 94,4	2/ 8l 94,4	
1	82113233	1	Drive set 160 KMH 90	DH 166 V1, i = 126,4	2/ 8l 126,4	
1	82113333	1	Drive set 160 KMH 90	DH 168 V1, i = 139,8	2/ 8l 139,8	
			Drive set KMH 100 B 8/2	1), 2)		
1	82111433	1	Drive set 160 KMH100	DH 165 V2, i = 66,2	2/ 8l 66,2	
1	82111333	1	Drive set 160 KMH100	DH 166 V2, i = 82,5	2/ 8l 82,5	
1	82114933	1	Drive set 160/200 KMH100	DH 168 V2, i = 98,1	2/ 8l 98,1	
			Drive set KMH 100 B 2	1), 2)		
1	82114633	1	Drive set 160/200 KMH100	DH 168 V2, i = 82,5	2 l 82,5	
			Drive set KMH 100 B 12/2	1), 2)		
1	82114333	1	Drive set 160 KMH100	DH 165 V2, i = 82,5	2/12l 82,5	
1	82114233	1	Drive set 160/200 KMH100	DH 166 V2, i = 98,1	2/12l 98,1	
1	82114133	1	Drive set 160 KMH100	DH 168 V2, i = 122,3	2/12l 122,3	
			Drive set KMH 112 B 8/2	1), 2)		
1	82110633	1	Drive set 160/200 KMH112	DH 166, 168 V3, i = 66,2	2/ 8l 66,2	
			Drive set KMH 112 B 12/2	1), 2)		
1	82110333	1	Drive set 160/200 KMH112	DH 166, 168 V3, i = 66,2	2/12l 66,2	
2	82115033	1	Seal set DH 160/200	3)	Getriebe	
5	82116933	1	Bearing set DH 160/ 200 3Stuf	3)	Getriebe	
19			Main hoist motor	4)		

21756644006

1) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
2) Quantity 0.6 litre, part no. 472 931 44 (1.0 kg).
3) See main hoist motor KMH 90, 100, 112.
4) Spare parts see chapter "Main hoist motor".

Frame, rope drum, rope guide, rope
Hook path H12



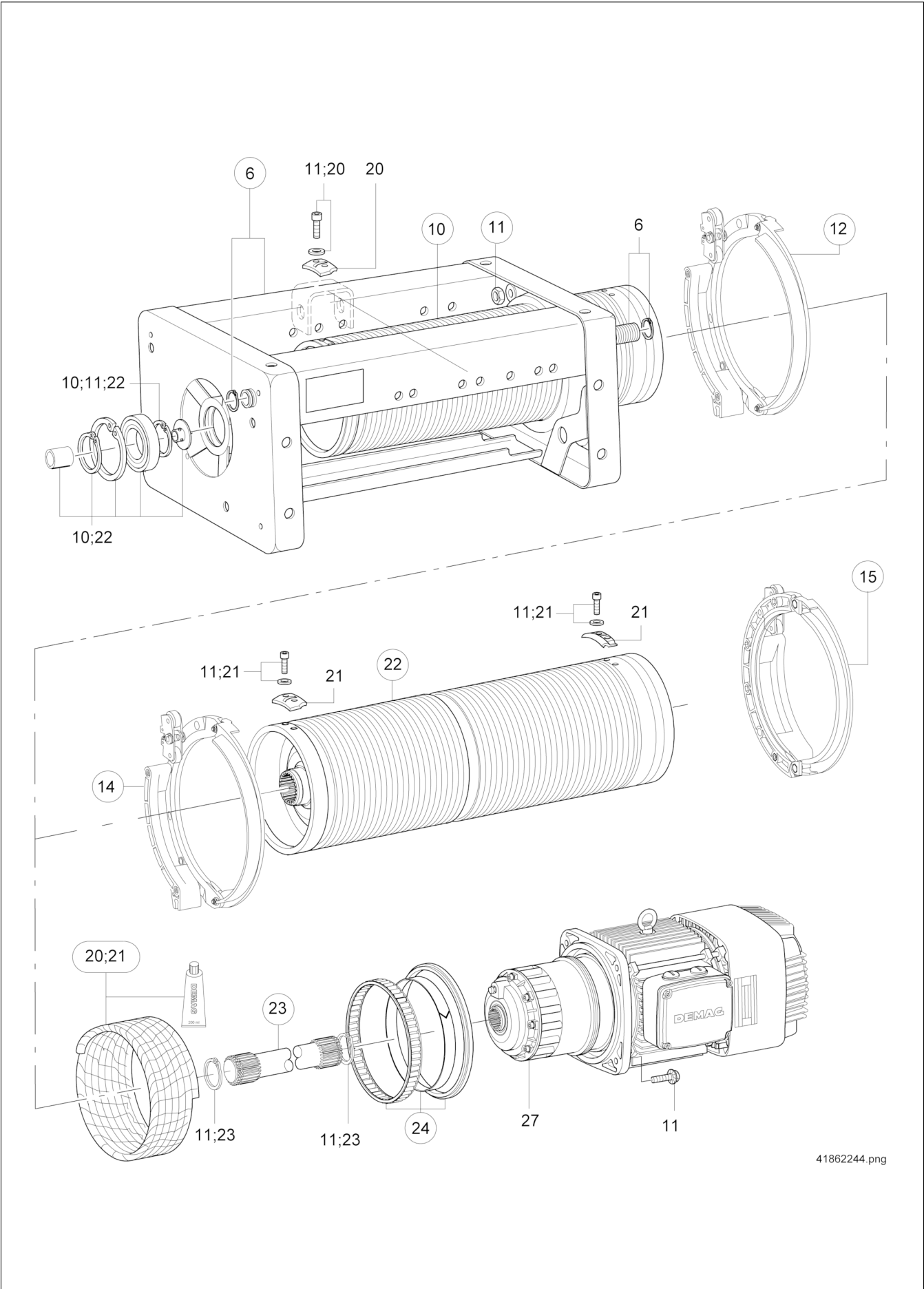
Frame, rope drum, rope guide, rope Hook path H12

Item	Part no.	Quantity	Designation		Material	RSP
6	82120333	1	Frame DH 160/200 460		Set Kombi	
10	82130233	1	Rope drum 1ril H12 7,5	1/1, 2/1, 4/1	DH 160	
11	82109633	1	Mounting parts set DH 160/200			
12	82101233	1	Rope guide left 1 / 7,5	1/1, 2/1, 4/1, Acid-Resistant	PA12 L1700	
20	82148333	1	Wire rope set KDH 160 7,5H12 2/1		29,4m	
20	82148833	1	Wire rope set KDH 160 7,5H12 4/1		30,1m	
20	82149233	1	Wire rope set FDH 160 7 H12 1/1		29,1m	
20	82148533	1	Wire rope FDH 160 7,5H12 2/1	UDH	29,5m	
20	82148133	1	Wire rope set FDH 160 7,5H12 4/1	UDH	30,3m	
23	82117833	1	Plug-in shaft DH 160/200 460	1)		
24	82135733	1	Installation kit drum bearing 27Brt	2)	DH 100/200	
27			Gearbox	3), 4)		

21756644007

- 1) Geared parts to be greased with Staburags NBU 12 K, part no. 472 933 44.
- 2) Grease compartment and roller bearing to be semi-filled with 70 g Staburags NBU 12 K, part no. 472 933 44 (100 g).
- 3) Spare parts see chapter "Planetary gearbox".
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.

Frame, rope drum, rope guide, rope
Hook path H19



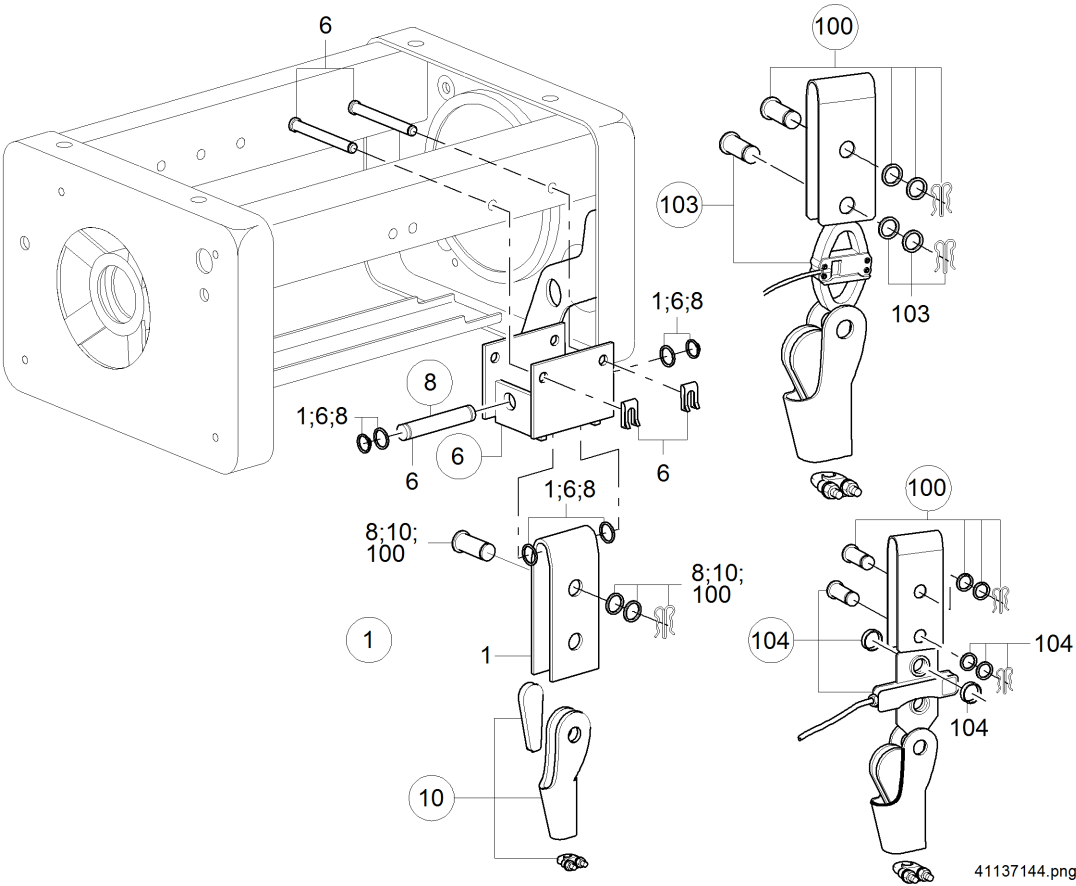
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Frame, rope drum, rope guide, rope Hook path H19

Item	Part no.	Quantity	Designation		Material	RSP
6	82120533	1	Frame DH 160/200 650		Set Kombi	
6	82120644	1	Frame DH 160-200 650	FDH/UDH		
10	82130633	1	Rope drum 1ril H19 7,5	1/1, 2/1, 4/1	DH 160	
11	82109633	1	Mounting parts set DH 160/200			
12	82101233	1	Rope guide left 1 / 7,5	1/1, 2/1, 4/1, Acid-Resistant	PA12 L1700	
14	82102133	1	Rope guide left set 1 / 5,5	2/2, 4/2, Acid-Resistant	PA12 L1700	
15	82103133	1	Rope guide right set 1 / 5,5	2/2, 4/2, Acid-Resistant	PA12 L1700	
20	82149533	1	Wire rope set KDH 160 7,5H19 2/1		43,4m	
20	82148233	1	Wire rope set KDH 160 7,5H19 4/1		44,1m	
20	82149333	1	Wire rope set FDH 160 7 H19 1/1		43,1m	
20	82149433	1	Wire rope set FDH 160 7,5H19 2/1		43,5m	
20	82148433	1	Wire rope set FDH 160 7,5H19 4/1	UDH	44,3m	
21	82149733	1	Wire rope set KDH 160 5,5H19 2/2		2x 24,2m	
21	82149933	1	Wire rope set KDH 160 5,5H19 4/2		47,7m	
21	82149633	1	Wire rope set FDH 160 5,5H19 2/2		2x 24,3m	
21	82149833	1	Wire rope set FDH 160 5,5H19 4/2	UDH	47,9m	
22	82131233	1	Rope drum 2ril H19 5,5	2/2, 4/2	DH 160	
23	82117933	1	Plug-in shaft DH 160/200 650	1)		
24	82135733	1	Installation kit drum bearing 27Brt	2)	DH 100/200	
27			Gearbox	3), 4)		

21756644031

- 1) Geared parts to be greased with Staburags NBU 12 K, part no. 472 933 44.
- 2) Grease compartment and roller bearing to be semi-filled with 70 g Staburags NBU 12 K, part no. 472 933 44 (100 g).
- 3) Spare parts see chapter "Planetary gearbox".
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.



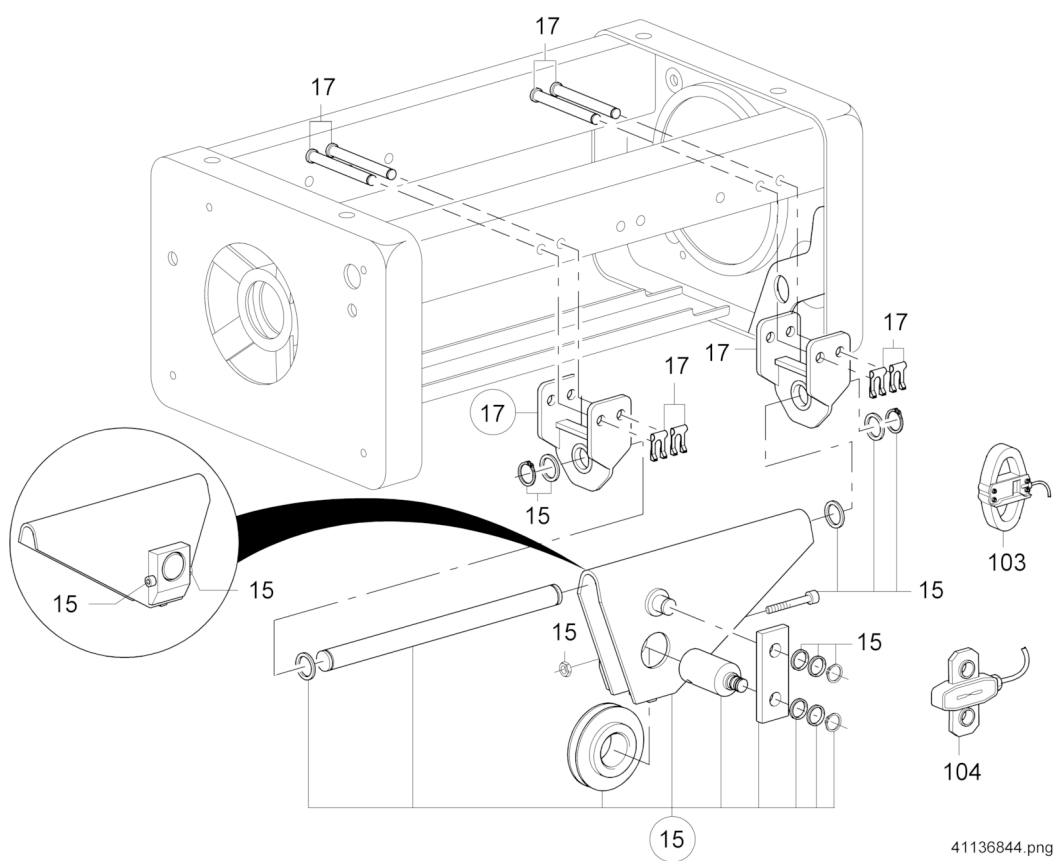
Rope retaining crosshead, 2/1 reeving

DH 160

Item	Part no.	Quantity	Designation		Material	RSP
1	82810133	1	Rope wedge crosshead DH160 2/1	c/w item 8, 1)	Set	
6	82809033	1	Bracket rope socket 160 2/1		DH 160	
8	82257933	1	Pin connection set 2/1	1), 2)	DH160/300	
10	59322033	1	Rope anchorage set B 7 - 9		P200/DH160-200	
100	82258033	1	Bolt connection set + spring clip	1), 3)	20x56	
103	49169133	1	Unit MGS 0,8 T Set	DH 168	DH168,P,PL	
103	49179144	1	Unit MGS 0,624T	DH 166	DH166,P,PL	
103	49189133	1	Unit MGS 0,5 T Set	DH 165	DH165,P,PL	
104	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644008

- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) 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.
- 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.



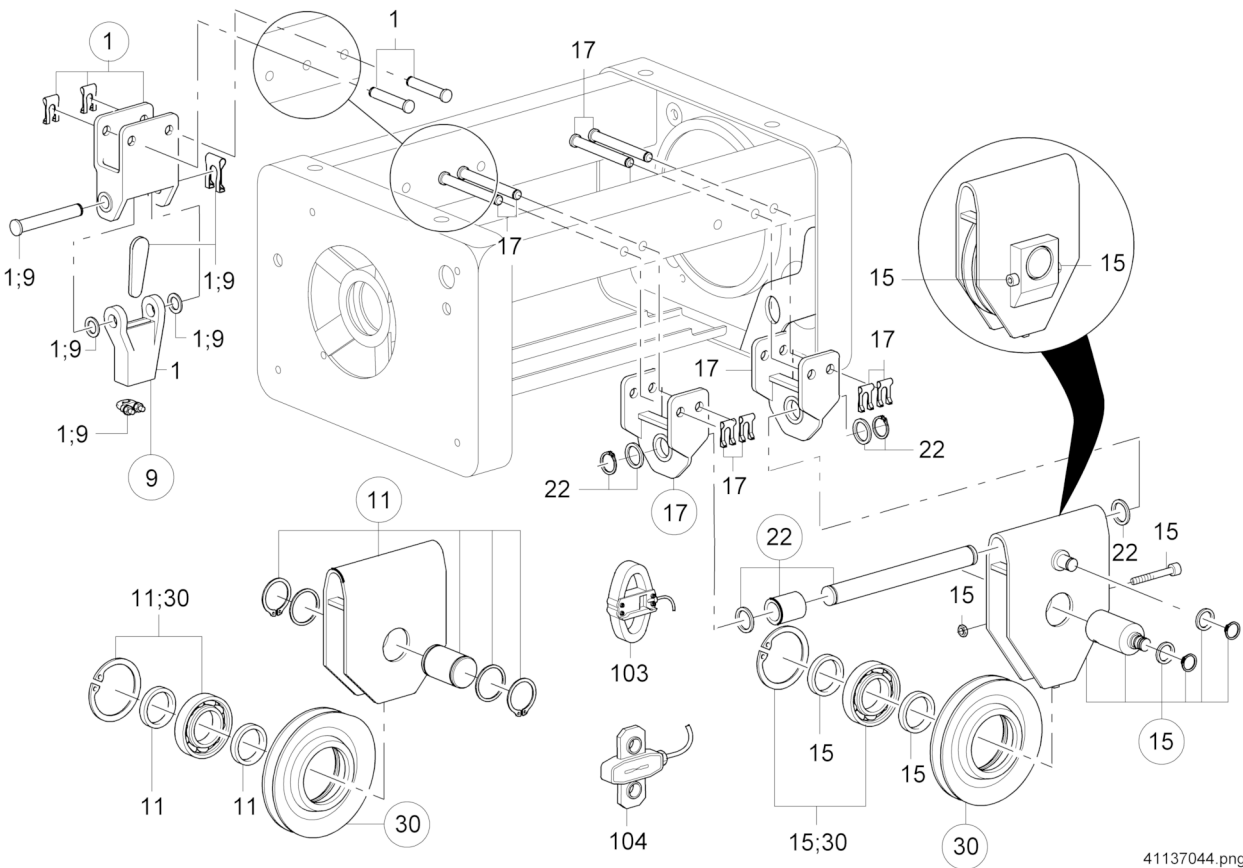
Item	Part no.	Quantity	Designation		Material	RSP
15	82823533	1	Compensating sheave set 112-6.5/5.5	1), 2)	DH 160/200	
17	82828933	1	Bracket top block DH160/200	1)		
103	49149033	1	Unit MGS FEM 1B 0,5 T	DH 168	DH212 4/2	
103	49159033	1	Unit MGS FEM 1A 0,5 T	DH 166	DH210 4/2	
103	49169033	1	Unit MGS 0,4 T Set	DH 165	DH168,P,PL	
104	49139033	1	Strain gauge car.link set ZMS 0,625t		PLV80/P100	

21756644034

1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Check suspension of compensating sheave. When fitting the compensating sheave, 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.

Rope retaining crosshead and return sheave 132/7,5
4/1 reeving - H12

DH 160



Rope retaining crosshead and return sheave 132/7,5 4/1 reeving - H12

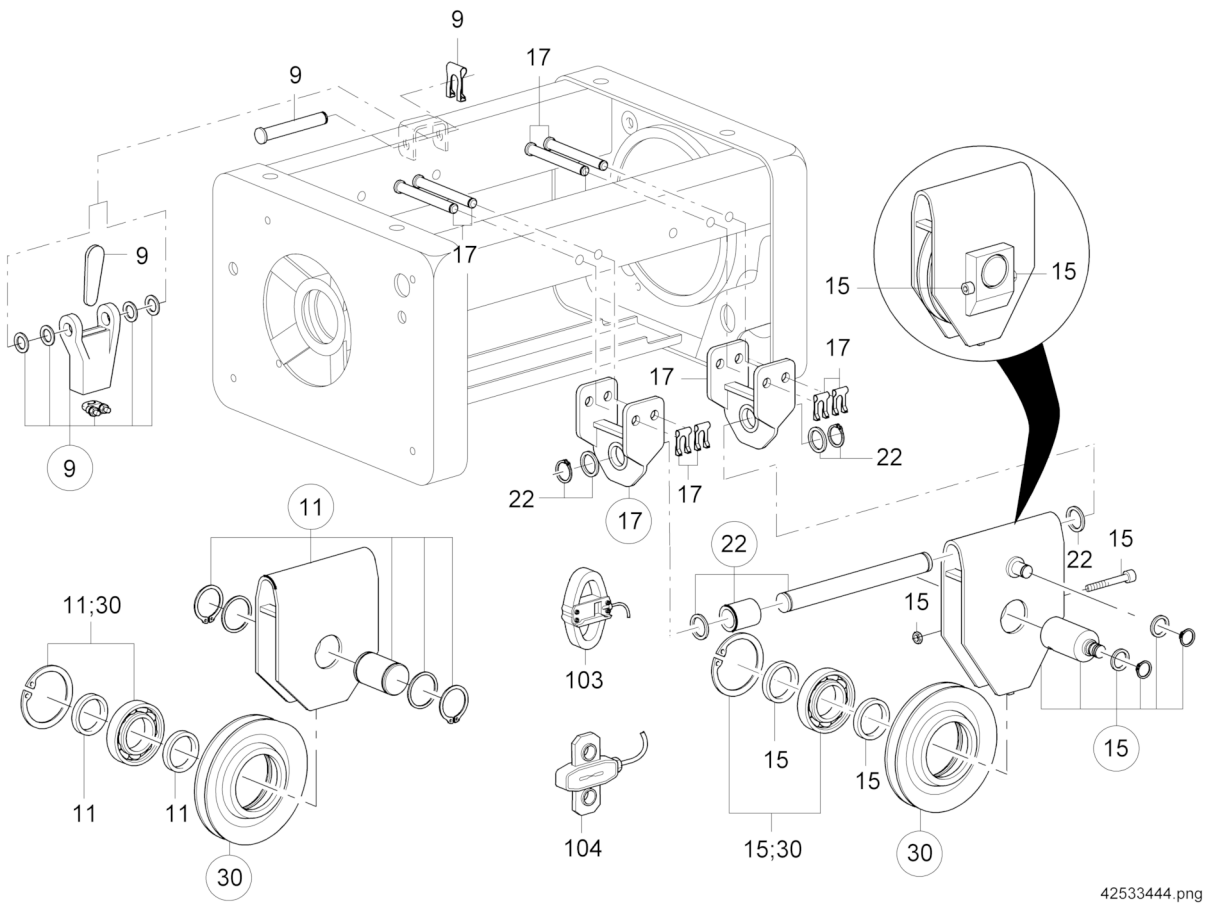
DH 160

Item	Part no.	Quantity	Designation		Material	RSP
1	82801133	1	Rope wedge crosshead 160 4/1	c/w item 9, 1)	DH 160	
9	82807533	1	Rope anchorage set DH 160			
11	82813533	1	Top block set 132 7,5 DH160	c/w item 30, 1)		
15	82802033	1	Top block set 132 7,5 DH160	1)	f.Lasterf.	
17	82828933	1	Bracket top block DH160/200	1)		
22	82808733	1	Bolt top block DH160 4/1			
30	82907533	1	Rope sheave set 132/ 7,5		DH 160	
103	49169133	1	Unit MGS 0,8 T Set	DH 168	DH168,P,PL	
103	49179144	1	Unit MGS 0,624T	DH 166	DH166,P,PL	
103	49189144	1	Unit MGS 0,5 T	DH 165	DH165,P,PL	
104	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644010

Rope retaining crosshead and return sheave 132/7,5
4/1 reeving - H19

DH 160



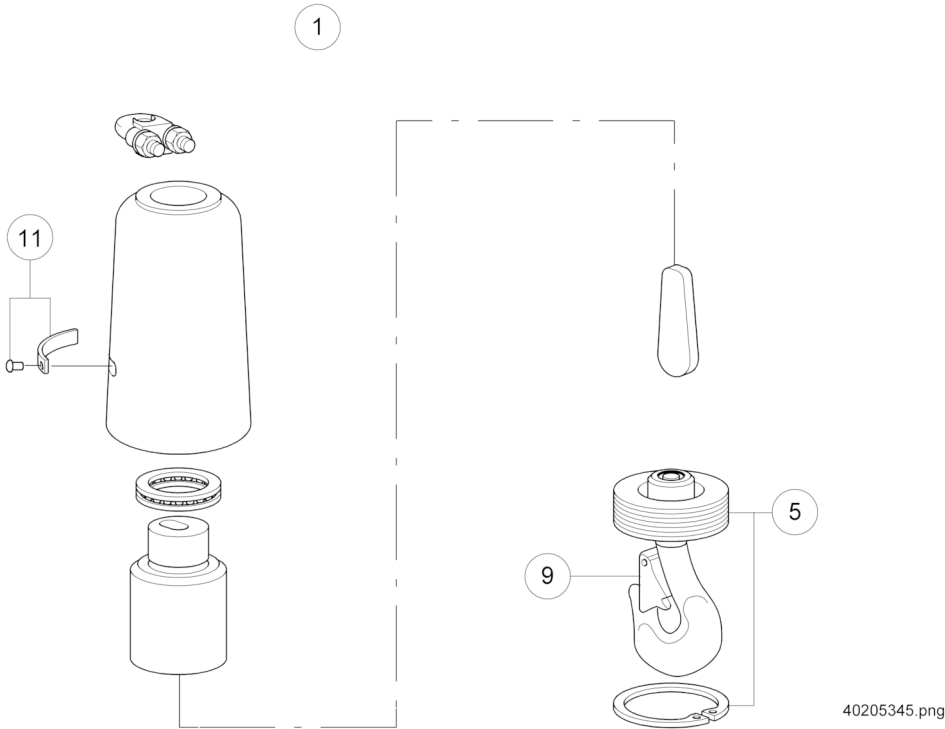
42533444.png

Rope retaining crosshead and return sheave 132/7,5 4/1 reeving - H19

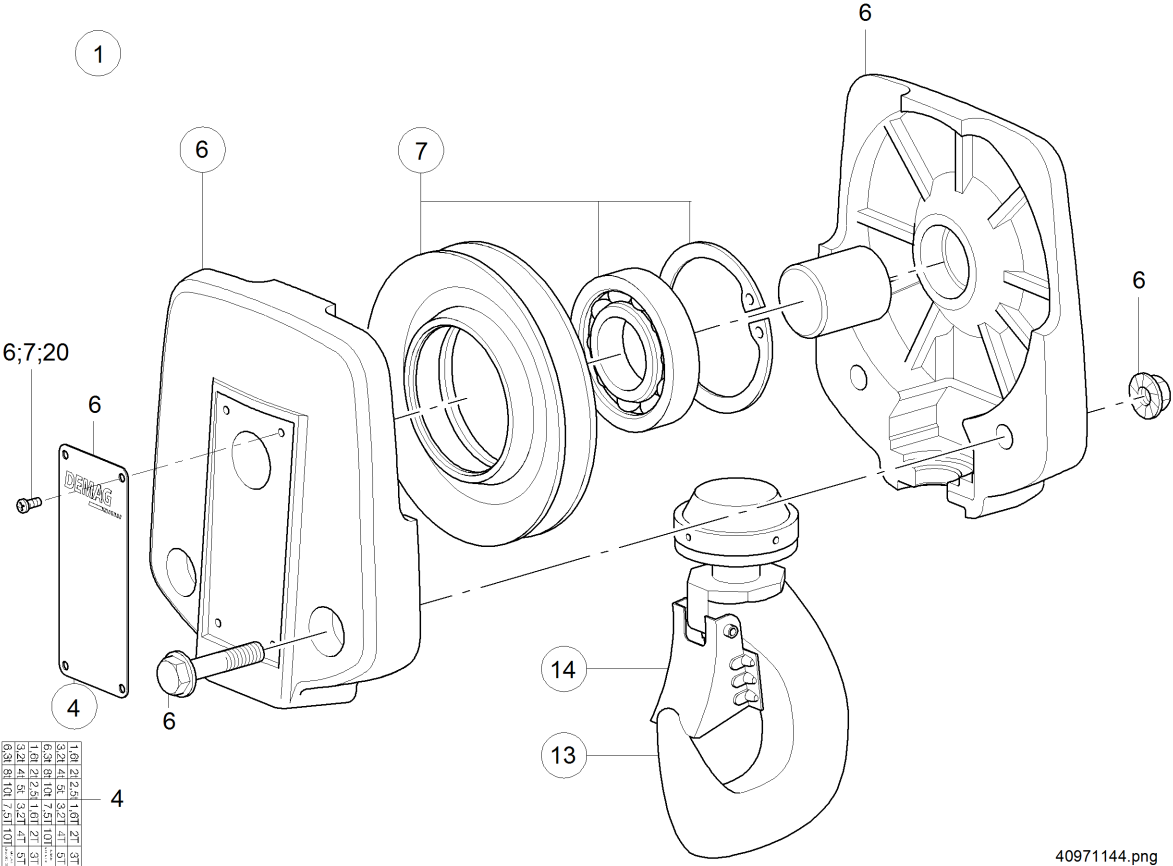
DH 160

Item	Part no.	Quantity	Designation		Material	RSP
9	82807533	1	Rope anchorage set DH 160			
11	82813533	1	Top block set 132 7,5 DH160	c/w item 30, 1)		
15	82802033	1	Top block set 132 7,5 DH160	1)	f.Lasterf.	
17	82828933	1	Bracket top block DH160/200	1)		
22	82808733	1	Bolt top block DH160 4/1			
30	82907533	1	Rope sheave set 132/ 7,5		DH 160	
103	49169133	1	Unit MGS 0,8 T Set	DH 168	DH168,P,PL	
103	49179144	1	Unit MGS 0,624T	DH 166	DH166,P,PL	
103	49189144	1	Unit MGS 0,5 T	DH 165	DH165,P,PL	
104	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644032



Item	Part no.	Quantity	Designation		Material	RSP
1	59331033	1	Hook fittings 1/1	c/w items 5, 11	P/DH	
5	59311533	1	Simple load hook GSN 0,5		1/1	
9	34182333	1	Hook safety catch 0,5			
11	71392133	1	Capacity plate set Neutral 1/1		P/DH	
						21756644011



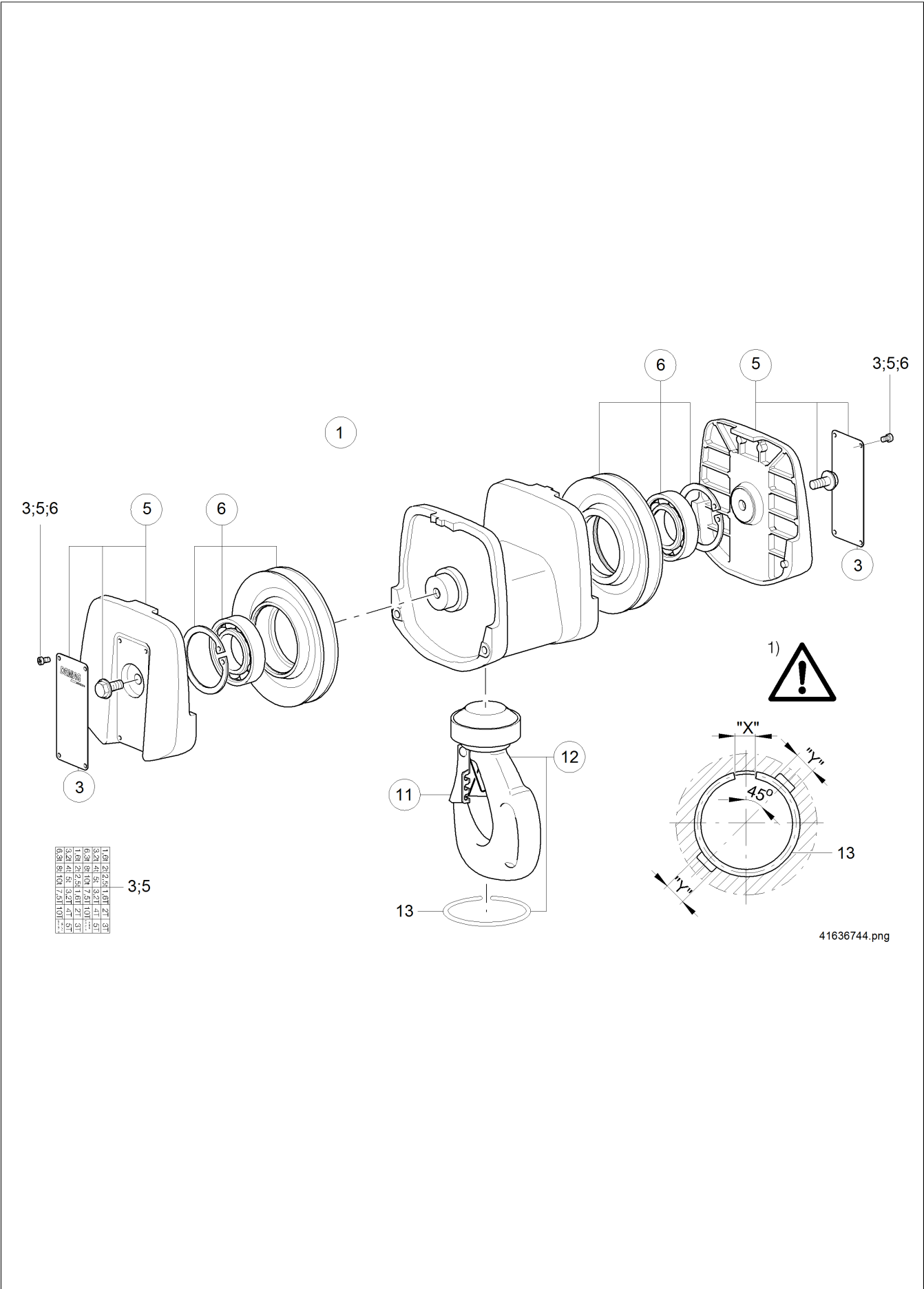
40971144.png

160/9 bottom block,
2/1 reeving

DH 160

Item	Part no.	Quantity	Designation		Material	RSP
1	82904033	1	Single-sheave bott.block 132/7,5 Set	c/w items 6, 7, 13, 14	DH 160	
4	71390033	1	Capacity plate set Neutral		DH / DR	
6	82904233	1	Bottom block half 132 2/1	c/w item 4	DH 160	
7	82907533	1	Rope sheave set 132/ 7,5		DH 160	
13	83865033	1	Simple load hook 1/1-RSN 2,5-T	c/w item 14		
14	83865633	1	Hook safety catch set GR. 5 x5			

21756644012



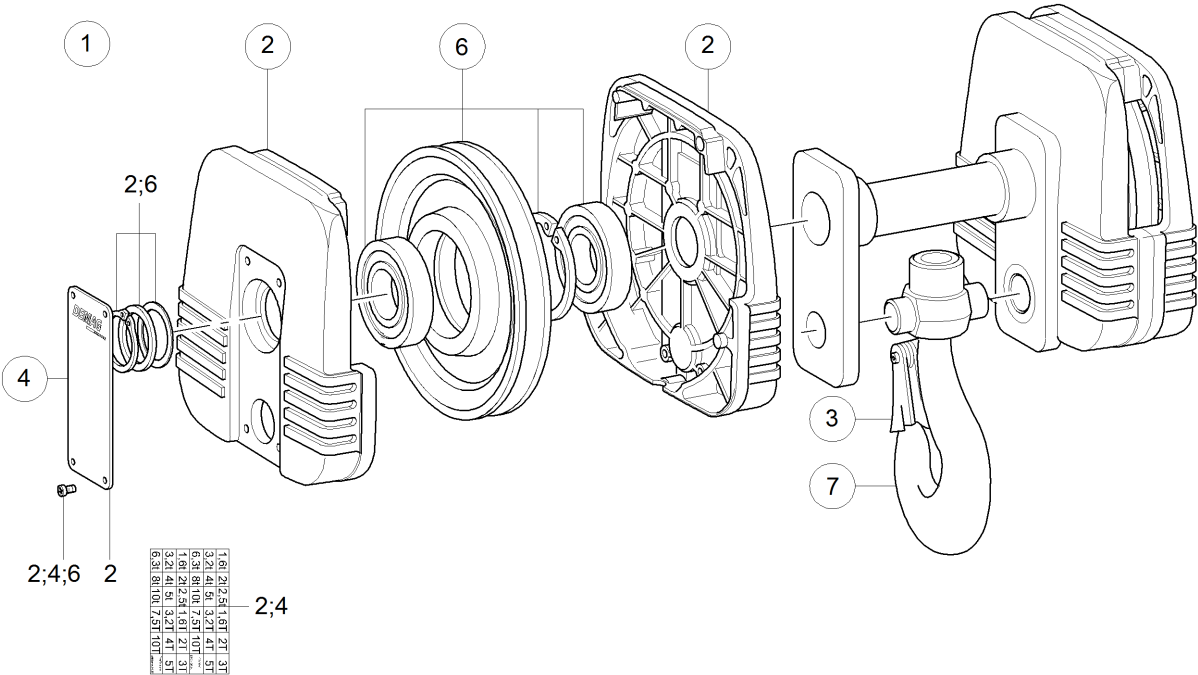
132/7,5 bottom block, 4/1 reeving

DH 160

Item	Part no.	Quantity	Designation		Material	RSP
1	82902833	1	Bottom block 2-sheave 132/ 7,5 Set	c/w items 5, 6, 12	DH 160	
3	71390033	1	Capacity plate set Neutral		DH / DR	
5	82906933	1	Bottom block half 132 4/1		DH 160	
6	82907533	2	Rope sheave set 132/ 7,5		DH 160	
11	82907733	1	Hook safety catch set GR. 6			
12	82905133	1	Simple load hook 1/1-RSN 6 -T	c/w item 11, 1)		

21756644013

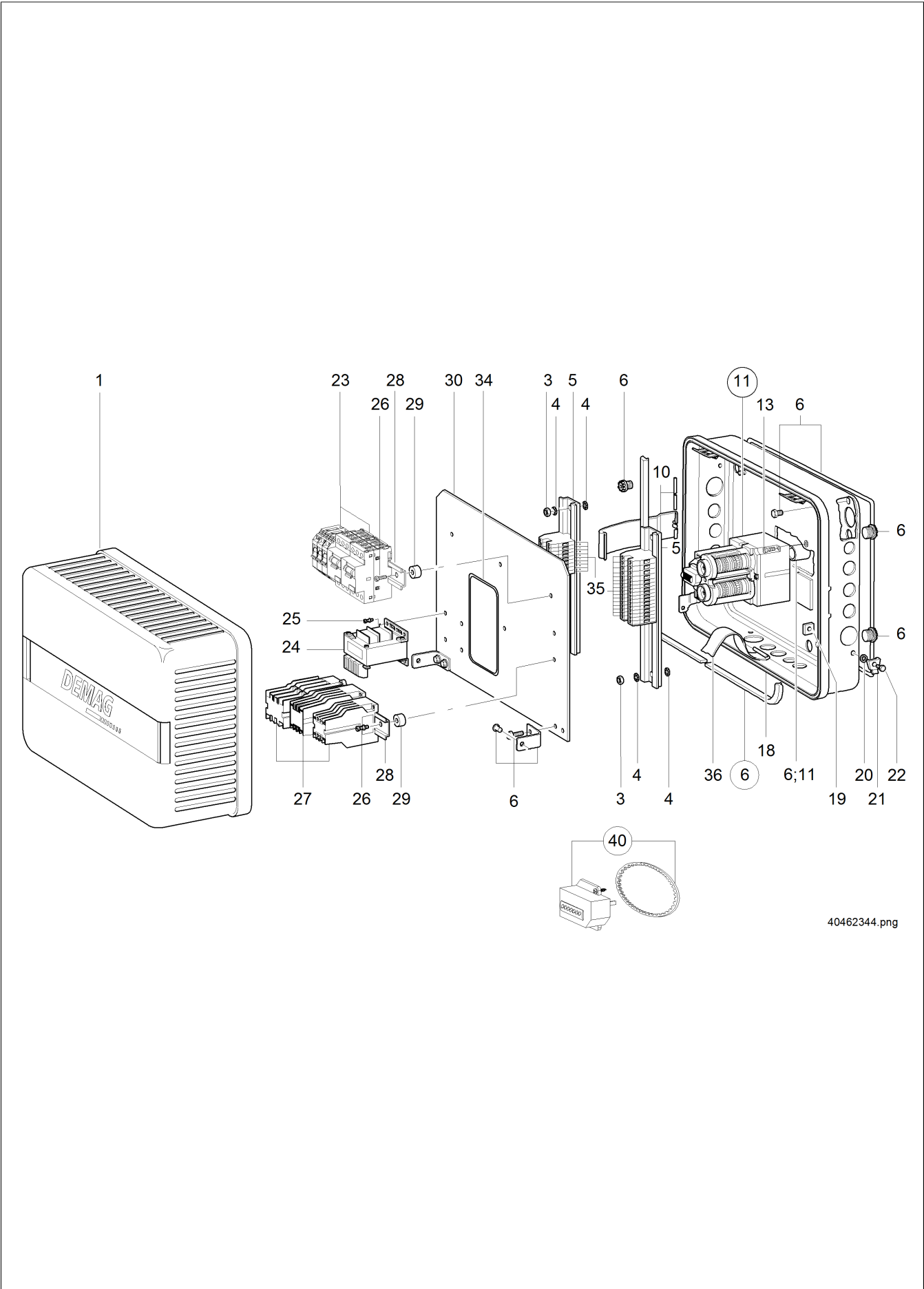
1) When fitting the load hook, ensure that opening "X" of spring ring item 13 is arranged at least 45° away from openings "Y" in hook trunnion block item 9. (See figure). When replacing the load hook, always also replace the spring ring (item 13).



40767144.png

Item	Part no.	Quantity	Designation		Material	RSP
1	82920033	1	Bottom block 2-sheave 160/6,5 Set	c/w items 2, 6, 7	DH 160/200	
2	70398233	1	Rope sheave hood set 4/2	c/w item 4		
3	34182433	1	Hook safety catch 1			
4	71390033	1	Capacity plate set Neutral		DH / DR DH 160	
6	82901633	1	Rope sheave set 160/ 6,5	1)		
7	82975033	1	Simple hook with cross beam ASN 1 S	c/w item 3		

21770544009



Electrical components, Contactor control

DH 160

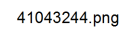
Item	Part no.	Quantity	Designation		Material	RSP
1	82156544		1 Hood DH 160/ 200		ST1403M	
3	33757199		4 Hexagonal nut M 6		8 A2F	
4	34368699		8 Serrated lock washer I 6,4		Fedst A2F	
5	89468144		2 Supporting rail 35 / 7,5X 245M		FE-ZN8C-C	
6	82109533		1 Mounting parts set DH 160/200		Elektrik	
10	36051946		2 Spring holder short		X12CRNi177	
11	87520033		1 Geared limit switch set DGS 3 -142		DH	
11	87520133		1 Geared limit switch set DGS 4 -142		DH	
13	53696384		2 Hex.socket cylind.screw M 5 X 25	1)	8.8 A2E	
18	82155444		1 Housing lower part DH 160/ 200		n.Zchnng.	
19	98115244		1 Square nut M 6X 20X 5		1.0036 ZN	
20	34087544		1 Washer 6 X 10 X 2,5	2)	14PA101	
21	50441944		1 Strainer terminal	2)	ST37	
22	30763899		1 Hexagonal screw M 6 X 16	2)	8.8 A2F	
23			Line protection unit	3)		
24			Transformer	3)		
25	31892599		Cylinder screw M 4 X 8 Z3	3)	4.8 A2F	
26	31895899		Cylinder screw M 5 X 22Z4-1	3)	4.8 A2F	
27			Contactor	3)		
28			Supporting rail	3)		
29	89487444		Washer 6,3X 20 X10	3)	PA SW	
30			Mounting plate	3)		
32	37438099		2 Tubular rivet B6 X1 X 8		CUZN33F37	
34	89502444		1 Edge cover 1,5	1 meter	DX 1,5	
35			Terminal clip	3)		
36	36030246		1 Hinge profile DH300/500		CR,80SHORE	
40	87530244		1 Service pack counter DGS			

21756644015

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

2) Only for control from the crab.

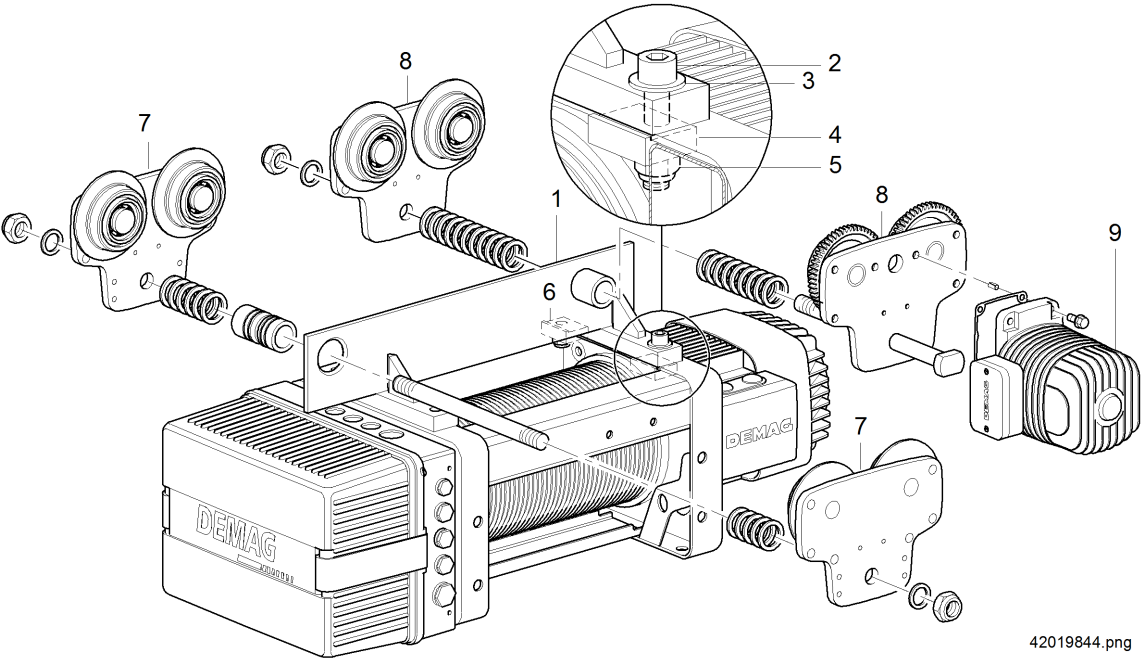
3) depending on the application.



Item	Part no.	Quantity	Designation		Material	RSP
1	82156544		1 Hood DH 160/ 200		ST1403M	
3	33757199		2 Hexagonal nut M 6		8 A2F	
4	34368699		4 Serrated lock washer I 6,4		Fedst A2F	
5	89468144		1 Supporting rail 35 / 7,5X 245M		FE-ZN8C-C	
6	82109533		1 Mounting parts set DH 160/200		Elektrik	
10	36051946		1 Spring holder short		X12CRNi177	
11	87533044		1 Geared limit switch DGS 3D-142			
11	87533144		1 Geared limit switch DGS 4D-142			
13	53696384		2 Hex.socket cylind.screw M 5 X 25	1)	8.8 A2E	
18	82155444		1 Housing lower part DH 160/ 200		n.Zchnng.	
19	98115244		1 Square nut M 6X 20X 5		1.0036 ZN	
20	34087544		1 Washer 6 X 10 X 2,5	2)	14PA101	
21	50441944		1 Strainer terminal	2)	ST37	
22	30763899		1 Hexagonal screw M 6 X 16	2)	8.8 A2F	
35	19812546		1 Terminal strip direct control DH200	HF, 3)	HF	
35	19812646		1 Terminal strip direct control DH200	HF+KA 1:1, 3)	HF+KA1:1	
35	19812746		1 Terminal strip direct control DH200	HF+KA 1:4, 3)	HF+KA1:4	
35	19811046		1 Terminal strip direct control DH200	HF, 4)	HF+K	
35	19811146		1 Terminal strip direct control DH200	HF+KA 1:1, 4)	HF+KA1:1+K	
35	19811246		1 Terminal strip direct control DH200	HF+KA 1:4, 4)	HF+KA1:4+K	
36	36030246		1 Hinge profile DH300/500		CR,80SHORE	
37	19816746		1 Line DGS3D		DH200 DIR	
40	87530244		1 Service pack counter DGS			

21756644016

1) Secure with Loctite 290. Part no. 007 275 84.
2) Only for control from the crab.
3) Without crane switch
4) With crane switch.



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Item	Part no.	Quantity	Designation		Material	RSP
1	83136044	1	Crab frame UDH GR.3,2	H12, 2/1, 4/1	H10/12	
1	83136144	1	Crab frame UDH GR.3,2	H19, 2/1, 4/2	H19	
1	83136244	1	Crab frame UDH GR.3,2	H19, 4/1	H16/H19	
2	31930099	4	Hex.socket cylind.screw M16 X 75	H12	10.9	
2	31929299	4	Hex.socket cylind.screw M16 X 90	H19	10.9	
3	34042599	4	Washer 17 X 27 X 2,5		St50 A2F	
4	83007044	2	Flat piece 45X 25X 60Li.		S235JRG2	
5	33461199	4	Lock nut M16		10 flZnL	
6	83007144	2	Flat piece 45X 25X 60Re.		S235JRG2	
7			Travel unit RU 22 DK	1)		
8			Travel unit EU 22 DK	2)		
9			Motor 13/6 PKF	3)		

21756644017

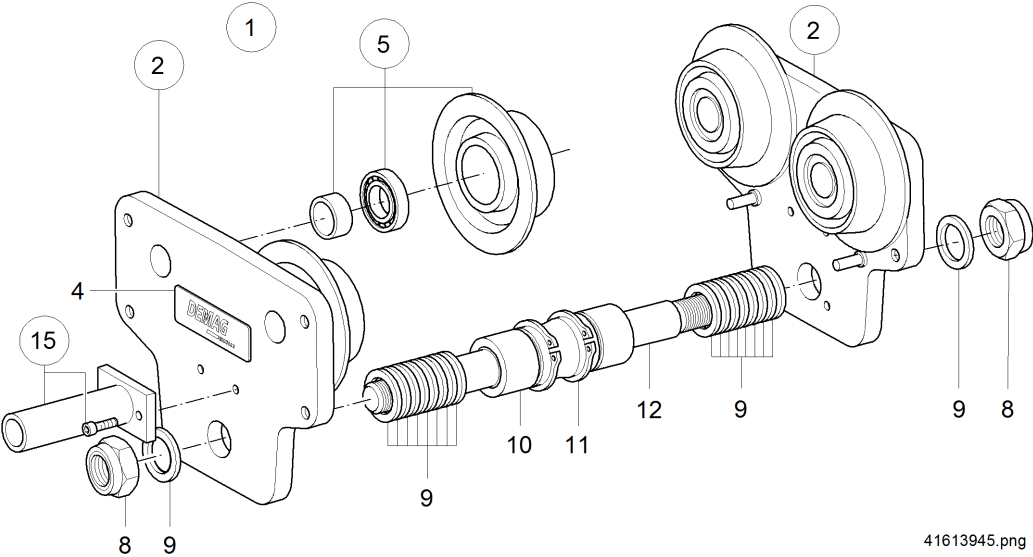
1) Spare parts see chapter "Travel unit RU 22 DK, Trolley size 3,2".

2) Spare parts see chapter "Travel unit EU 22 DK, Trolley size 3,2".

3) Spare parts see chapter "Travel drive PKF 13/6"

EUDH, Trolley size 3.2,
Trolley RU 22 DK,
2/1, 4/1 reeving - H12,
2/1, 4/2, 4/1 reeving - H19

Standard-headroom monorail trolley,



41613945.png

EUDH, Trolley size 3.2,
Trolley RU 22 DK,
2/1, 4/1 reeving - H12,
2/1, 4/2, 4/1 reeving - H19

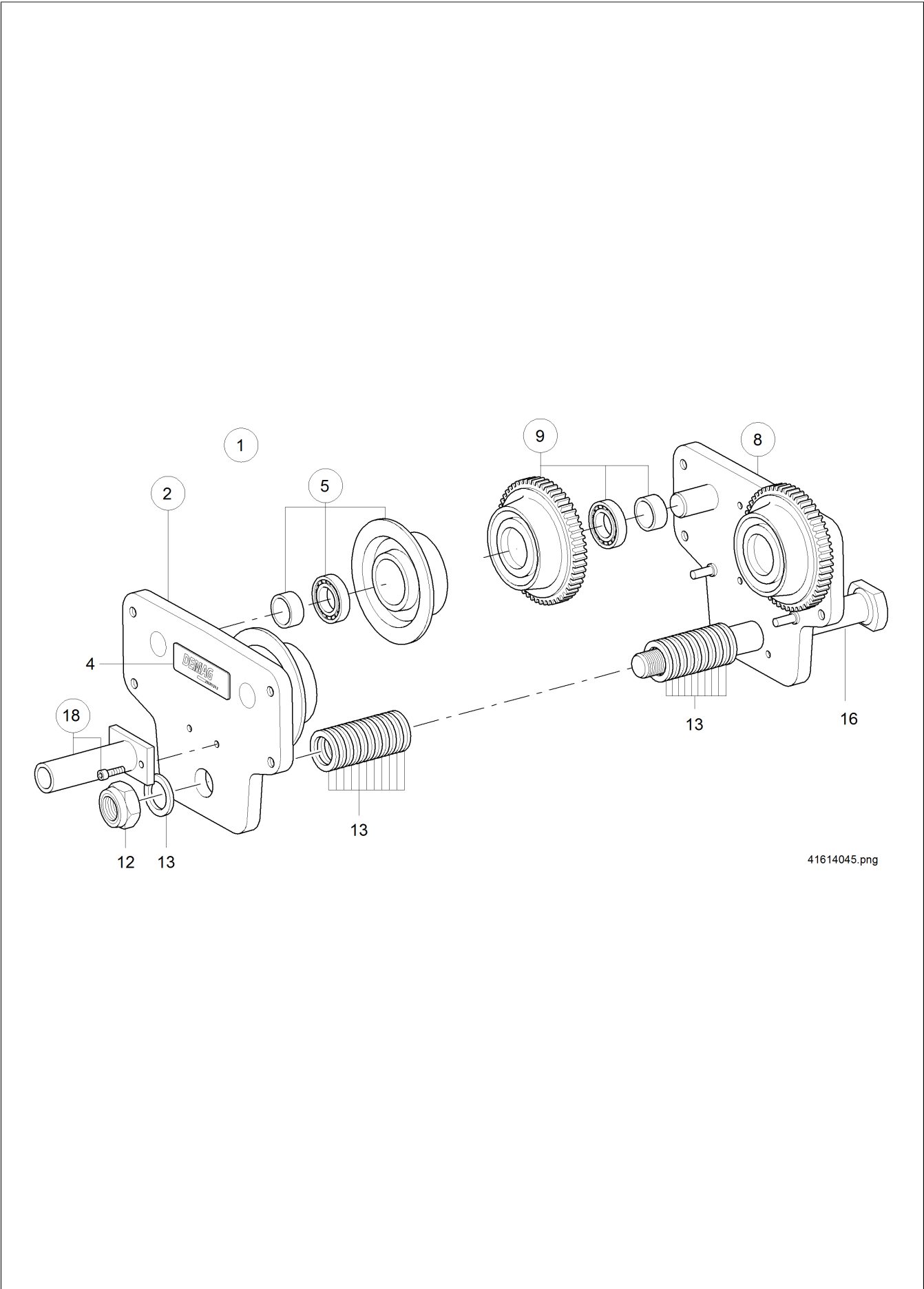
Standard-headroom monorail trolley,

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	
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		8 A2F	
9	50222044	21	Washer 35,5X 50 X 4	Fl. W. 82 - 98 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	18	Washer 35,5X 50 X 4	Fl. W. 106 - 143 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	32	Washer 35,5X 50 X 4	Fl. W. 144 - 163 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	16	Washer 35,5X 50 X 4	Fl. W. 170 - 200 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	41	Washer 35,5X 50 X 4	Fl. W. 201 - 220 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	27	Washer 35,5X 50 X 4	Fl. W. 240 - 300 mm, H12, 2/1 - H19, 2/1, 4/2	ST2K32	
9	50222044	18	Washer 35,5X 50 X 4	Fl. W. 82 - 143 mm, 4/1	ST2K32	
9	50222044	16	Washer 35,5X 50 X 4	Fl. W. 144 - 200 mm, 4/1	ST2K32	
9	50222044	27	Washer 35,5X 50 X 4	Fl. W. 201 - 300 mm, 4/1	ST2K32	
10	83957544	1	Tube 51 X 7,1 X 97	Fl. W. 82 - 98 mm, H12, 2/1 - H19, 2/1, 4/2	ST52	
10	83955044	1	Tube 51 X 7,1 X 109	Fl. W. 106 - 143 mm, H12, 2/1 - H19, 2/1, 4/2	ST52	
10	83955144	1	Tube 51 X 7,1 X 174	Fl. W. 144 - 163 mm, H12, 2/1 - H19, 2/1, 4/2	ST52	
10	83955244	1	Tube 51 X 7,1 X 230	Fl. W. 240 - 300 mm, H12, 2/1 - H19, 2/1, 4/2	ST52	
10	83955044	1	Tube 51 X 7,1 X 109	Fl. W. 82 - 143 mm, 4/1	ST52	
10	83955144	1	Tube 51 X 7,1 X 174	Fl. W. 144 - 200 mm, 4/1	ST52	
10	83955244	1	Tube 51 X 7,1 X 230	Fl. W. 201 - 300 mm, 4/1	ST52	
11	34244299	2	Retaining ring 52X3		FedSt	
12	83955344	1	Pin cross beam RU22	Fl. W. 82 - 143 mm, H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	C45SH	
12	83955444	1	Pin cross beam RU22	Fl. W. 144 - 200 mm, H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	C45SH	
12	83955544	1	Pin cross beam RU22	Fl. W. 201 - 300 mm, H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	C45SH	
15	83973733	1	Current collector tube 400 Set			

21756644018

EUDH, Trolley size 3.2,
Trolley EU 22 DK,
2/1, 4/1 reeving - H12,
2/1, 4/2, 4/1 reeving - H19

Standard-headroom monorail trolley



EUDH, Trolley size 3.2,
Trolley EU 22 DK,
2/1, 4/1 reeving - H12,
2/1, 4/2, 4/1 reeving - H19

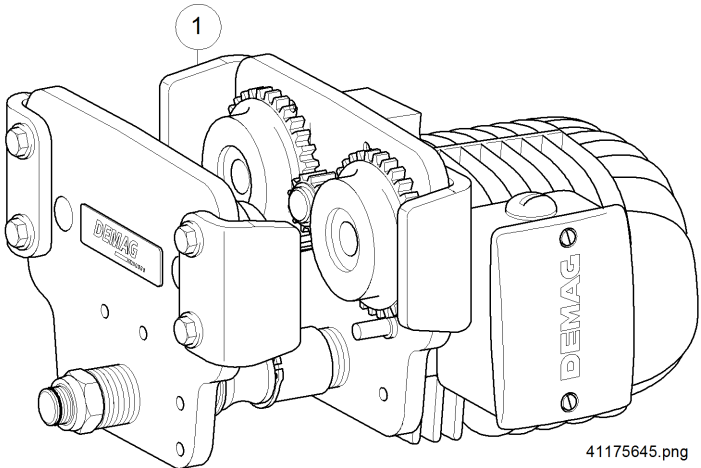
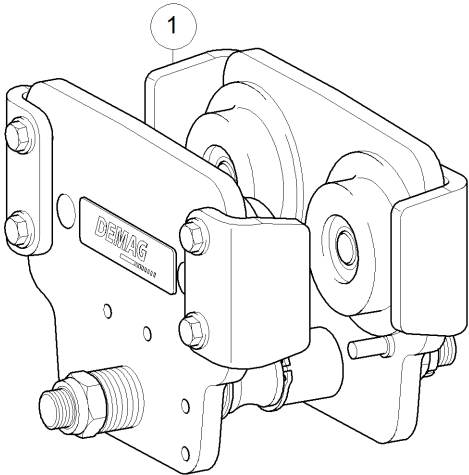
Standard-headroom monorail trolley

Item	Part no.	Quantity	Designation		Material	RSP
1	84011444	1	Tr.un.tr.whl.univ.w/o crossb. EU22	c/w items 2, 8	KG2600	
2	84011644	1	Side plate trv.whl.univ.w/o g.rim		RU22DK	
4	83964744	1	Capacity plate 2600kg		100X 25	
5	84016044	1	Universal travel wheel 112 1SPK OZ		RU22	
8	84011744	1	Side plate trv.whl.univ.w.gear rim		EU22DK	
9	84017044	1	Universal travel wheel 112 1SPK MZ		EU22	
12	33468799	1	Hexagonal nut M30 X2		8 A2F	
13	50222044	22	Washer 35,5X 50 X 4	Fl. W. 82 - 143 mm, H12, 2/1, 4/1 - H19, 2/1, ST2K32		
				4/1, 4/2		
13	50222044	36	Washer 35,5X 50 X 4	Fl. W. 144 - 200 mm, H12, 2/1, 4/1 - H19, 2/1, ST2K32		
				4/1, 4/2		
13	50222044	61	Washer 35,5X 50 X 4	Fl. W. 201 - 300 mm, H12, 2/1, 4/1 - H19, 2/1, ST2K32		
				4/1, 4/2		
16	83908544	1	Pin cross beam FLB.201-300	H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	n.Zeichng	
16	83907744	1	Pin cross beam FLB. 82-143	H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	n.Zeichng	
16	83908144	1	Pin cross beam FLB.144-200	H12, 2/1, 4/1 - H19, 2/1, 4/1, 4/2	n.Zeichng	
18	83973733	1	Current collector tube 400 Set			

21756644019

RUDK

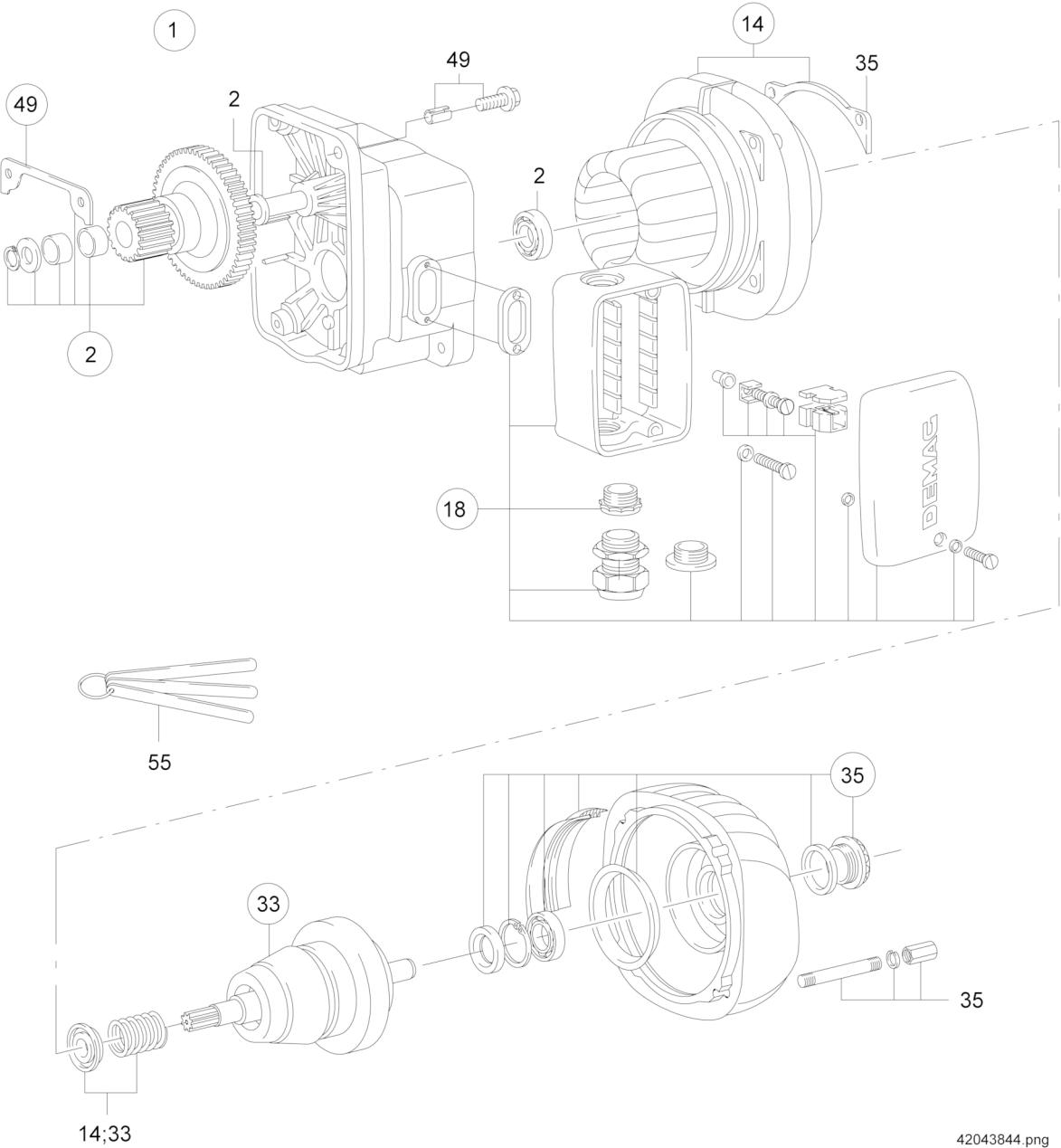
EUDK



EUDH, Drop stop fittings,
RU/EU 22 DK, Trolley size 3,2

Standard-headroom monorail hoist

Item	Part no.	Quantity	Designation	Material	RSP
1	83969844	1	Drop stop set GR.22	R/E K/U DK	21756644020



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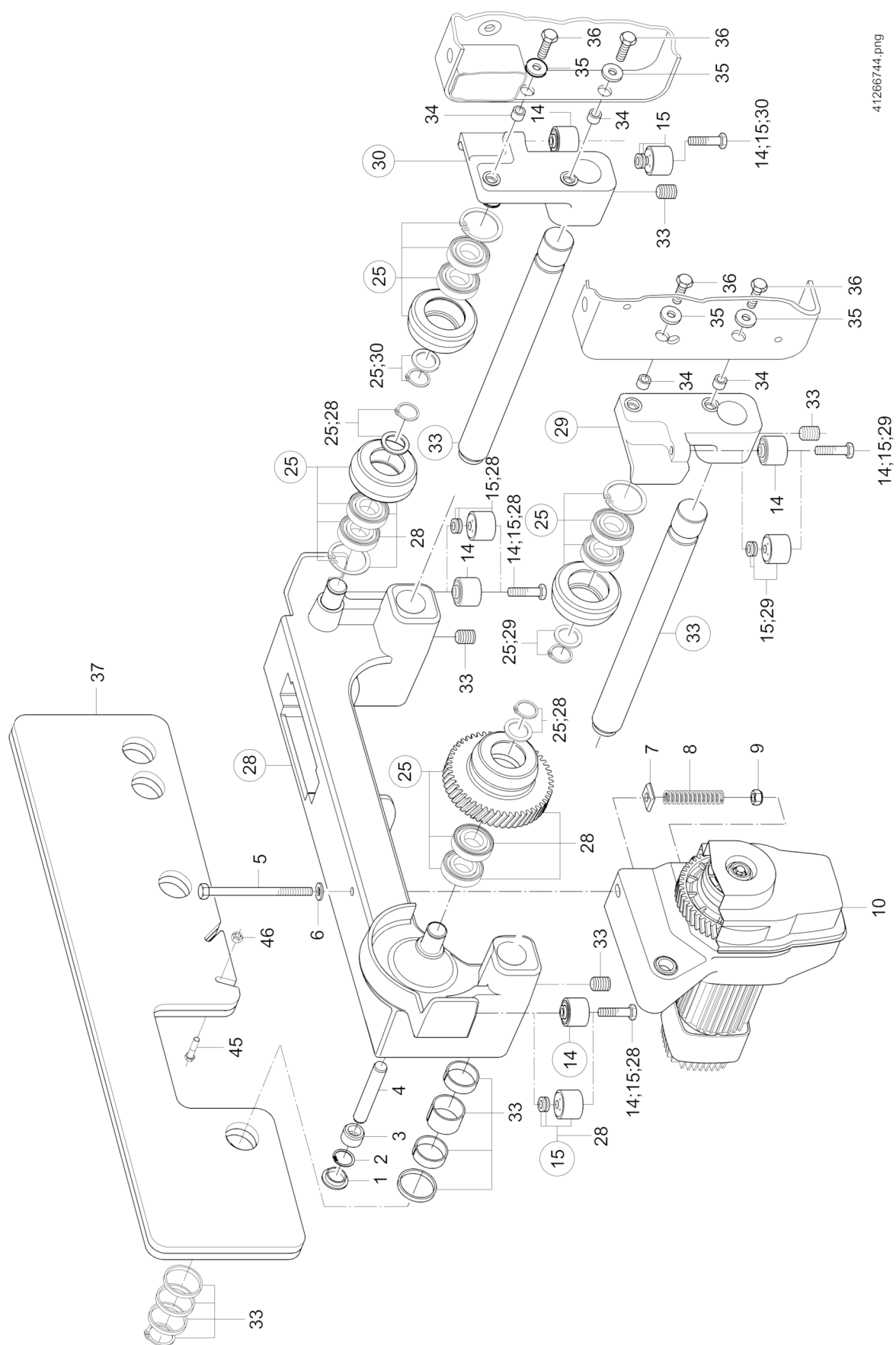
EUDH, Trolley size 3.2, Travel drive with 13/6 PKF motor

Standard-headroom monorail trolley

Item	Part no.	Quantity	Designation		Material	RSP
			Travel speed 7 m/min	1)		
1	81808846	1	Motor 7 M/MIN13/6PKF 8		230400 50	
			Travel speed 14 m/min	1)		
1	56303644	1	Motor PKF4 220/380V50AB		13/6	
			Travel speed 28 m/min	1)		
1	56303344	1	Motor PKF2 220/380V50AB		13/6	
			Travel speed 4,6 m/min, 14 m/min			
1	56305644	1	Motor 4,6/14M 13/6PKF AB		380-400V 50Hz	
			Travel speed 7/28 m/min			
1	56305744	1	Motor 7/28M 13/6PKF8-2AB		380-400V 50Hz	
2	56307144	1	End shield PKF-M5 Bo.Kurz		13/3,13/6	
14	56372233	1	Stator set F13/6 PF2	2)		
14	56382233	1	Stator set F13/6 PF4AB	2)		
14	56372533	1	Stator set F13/6 PF8	2)		
14	56370133	1	Stator set F13/6 PF12	2)		
18	56369233	1	Terminal box set PKF			
33	56304733	1	Rotor set 13/6 PF 8-2	2), 3)		
33	56304833	1	Rotor set 13/6PF8-2 BS	2)		
35	56305533	1	End shield set B 13/6		PF 8-2	
49	58136933	1	Seal set PKF13/3+6			
55	10015084	3	Feeler gauge set		KB 71, 80	
	1105844	1	Grease PLANTOGEL2FS_DG67B		50,0ml-TB	

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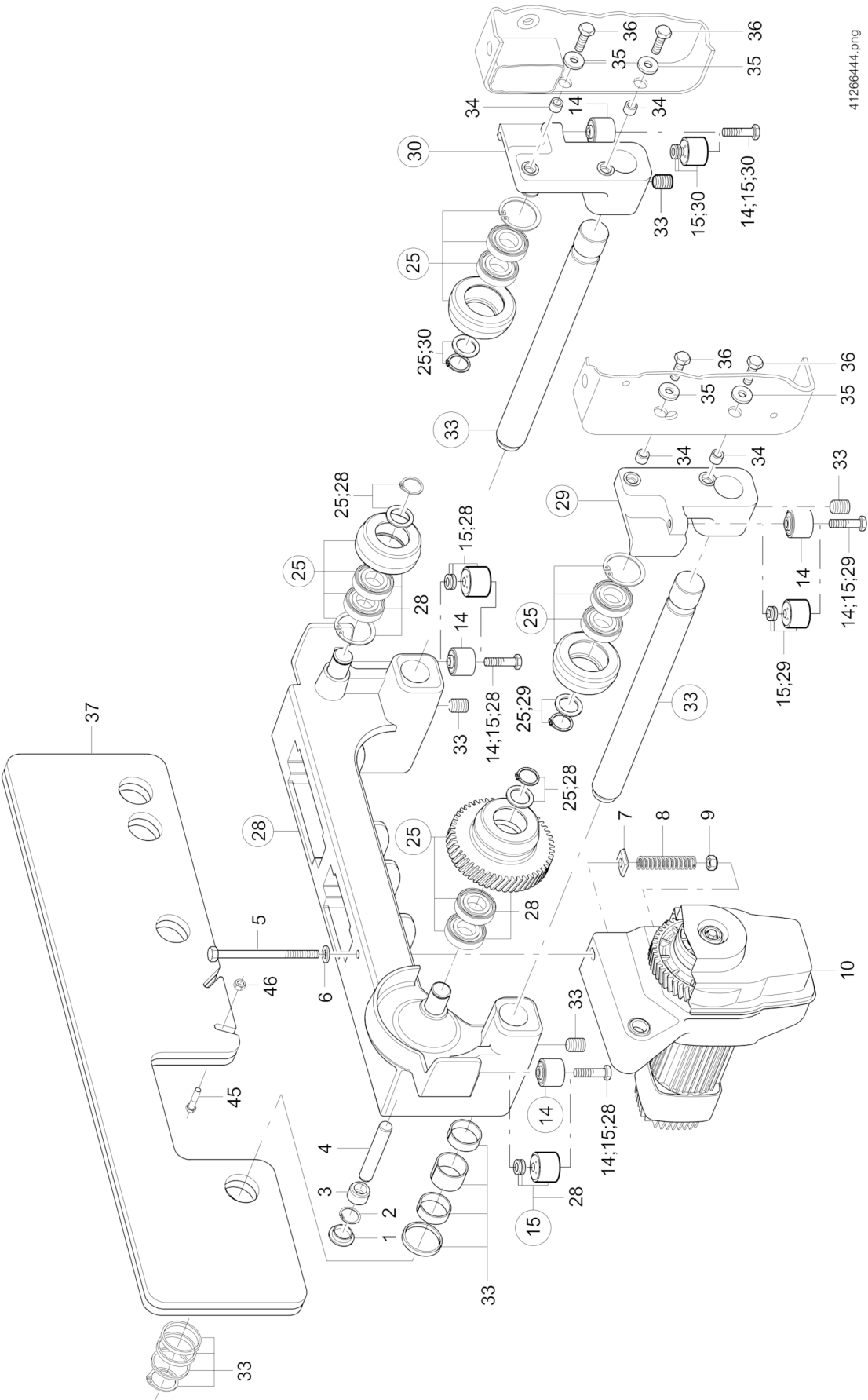
1) Only the 2-pole winding is connected for a single travel speed.
2) A feeler gauge set (part no. 55) must also be ordered to adjust the air gap (adjust with feeler gauge no. 2, part no. 55).
3) For service in arduous conditions.



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	15060499	1	Hexagonal screw M12 X190	8.8 A2F	
6	34069699	1	Washer 13 X 30 X 6	St A2F	
7	83052344	1	Flat piece 30X 6X 30Boh	ST37-2 A2E	
8	83052244	1	Pressure spring 12,2 x21,4 x 96	ERCO 32S	
9	33461244	1	Lock nut V M12	8 A2F	
10			Travel drive with ZBF 71 motor		
14	75218033	1	Guide roller set EKDH GR 3,2/5	1)	FLBR > 106
15	75218133	1	Guide roller set EKDH GR 3,2/5	2)	FLBR < 106
25	75215033	1	Travel wheel set uni.100 MZ/OZ	eccentric only with Fl. W. 82 - 105 mm, 2)	GR 3,2
28	90550546	1	Side plate DH 160/460	Fl. W. 82 - 105 mm	
28	83051044	1	Side plate DH 160/460	Fl. W. 106 - 400 mm	
29	83156544	1	Longitudinal member NA-E FLB 82-105		KDH 160
29	83156644	1	Longitudinal member NA-E KDH 160 4/1	Fl. W. 106 - 400 mm	
30	83156744	1	Longitudinal member NA-M FLB. 82-105		KDH 160
30	83156844	1	Longitudinal member NA-M KDH 160 4/1	Fl. W. 106 - 400 mm	
33	83159233	1	Supporting pin set EKDH GR 3,2	Fl. W. 82 - 105 mm only with item 37	FLB 82-300
33	83159233	1	Supporting pin set EKDH GR 3,2	Fl. W. 200 - 300 mm	FLB 82-300
33	83159333	1	Supporting pin set EKDH GR 3,2	Fl. W. 301 - 400 mm	FLB301-400
34	34579699	4	Split sleeve 18 X 12		St
35	34069699	4	Washer 13 X 30 X 6		St A2F
36	15047799	4	Hexagonal screw M12 X 35		8.8 A2F
37	83168044	2	Counterweight EKDH3,2/ 5	only with Fl. W. 82 - 105 mm	S235JRG2C
45	30046544	2	Lock screw M10X45 VB.RIPP		100 flZnL
46	30028344	2	Lock nut M10 VB.RIPP		10

21756644022

1) Spare parts see chapter "ZBF 71 travel drive".
2) Secure with Loctite 241. Part no. 033 036 44.



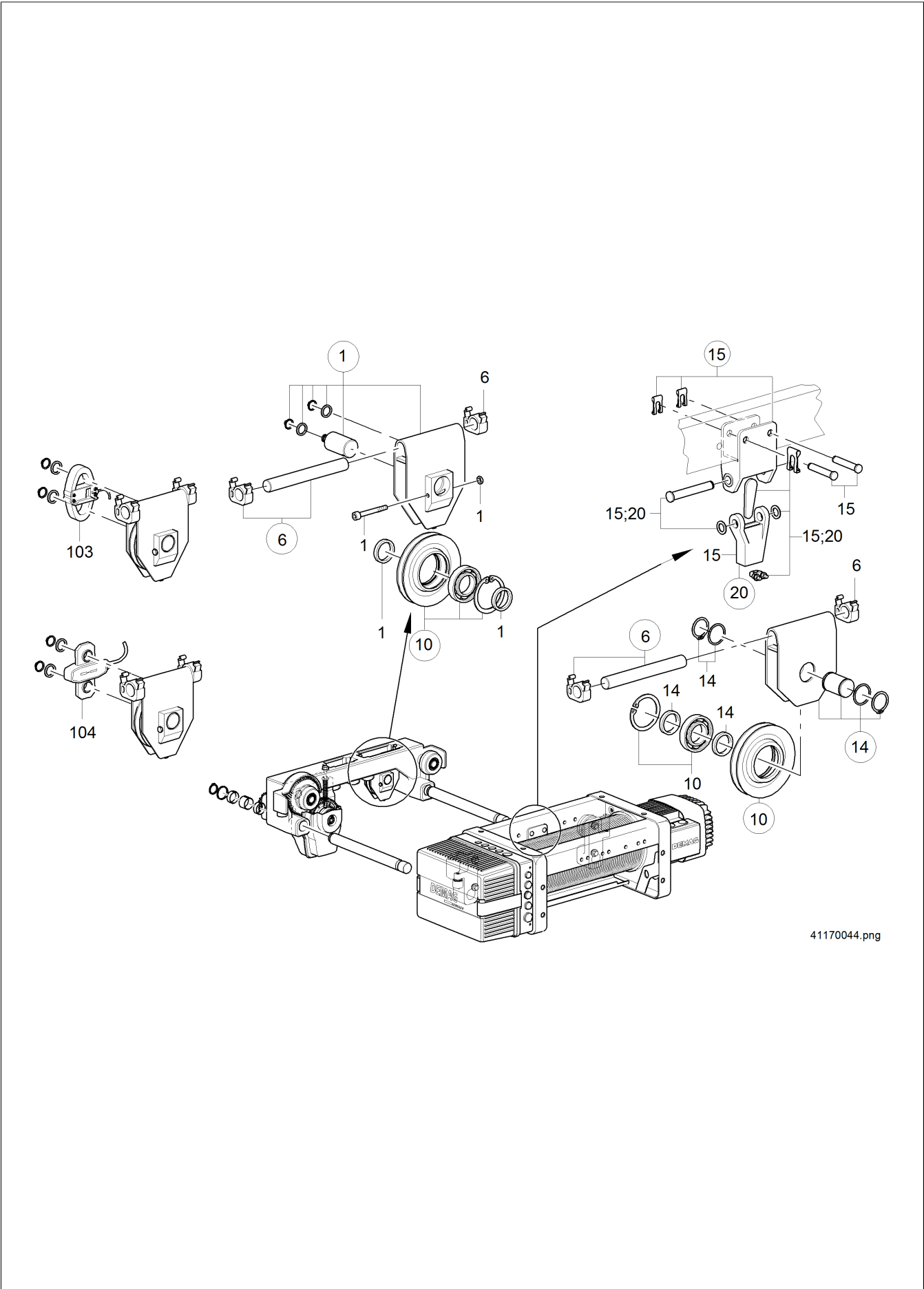
Item	Part no.	Quantity	Designation		Material	RSP
1	34255544	1	Plug 30,9X 8,6		GPN9601647	
2	34263299	1	Retaining ring 32X1,2		FedSt	
3	83051944	1	Bush 12 x 31,5x 19		PA6.6	
4	83051844	1	Pin 20h 8x 121,5M10		CK45SH	
5	15060499	1	Hexagonal screw M12 X190		8.8 A2F	
6	34069699	1	Washer 13 X 30 X 6		St A2F	
7	83052344	1	Flat piece 30X 6X 30Boh		ST37-2 A2E	
8	83052244	1	Pressure spring 12,2 x21,4 x 96		ERCO 32S	
9	33461244	1	Lock nut V M12		8 A2F	
10			Travel drive with ZBF 71 motor	1)		
14	75218033	1	Guide roller set EKDH GR 3,2/5	2)	FLBR > 106	
15	75218133	1	Guide roller set EKDH GR 3,2/5	eccentric only with Fl. W. 82 - 105 mm, 2)	FLBR < 106	
25	75215033	1	Travel wheel set uni.100 MZ/OZ		GR 3,2	
28	90550646	1	Side plate DH 160/650	Fl. W. 82 - 105 mm		
28	83050844	1	Side plate DH 160/650	Fl. W. 106 - 400 mm		
29	83156544	1	Longitudinal member NA-E FLB 82-105		KDH 160	
29	83156644	1	Longitudinal member NA-E KDH 160 4/1	Fl. W. 106 - 400 mm		
30	83156744	1	Longitudinal member NA-M FLB. 82-105		KDH 160	
30	83156844	1	Longitudinal member NA-M KDH 160 4/1	Fl. W. 106 - 400 mm		
33	83159233	1	Supporting pin set EKDH GR 3,2	Fl. W. 82 - 105 mm only with item 37	FLB 82-300	
33	83159233	1	Supporting pin set EKDH GR 3,2	Fl. W. 200 - 300 mm	FLB 82-300	
33	83159333	1	Supporting pin set EKDH GR 3,2	Fl. W. 301 - 400 mm	FLB301-400	
34	34579699	4	Split sleeve 18 X 12		St	
35	34069699	4	Washer 13 X 30 X 6		St A2F	
36	15047799	4	Hexagonal screw M12 X 35		8.8 A2F	
37	83168044	2	Counterweight EKDH3,2/ 5	only with Fl. W. 82 - 105 mm	S235JRG2C	
45	30046544	2	Lock screw M10X45 VB.RIPP		100 flZnL	
46	30028344	2	Lock nut M10 VB.RIPP		10	

21756644023

1) Spare parts see chapter "ZBF 71 travel drive".
2) Secure with Loctite 241. Part no. 033 036 44.

EKDH, Trolley size 3,2,
Return sheave and rope retaining crosshead,
4/1 reeving

Low-headroom monorail trolley



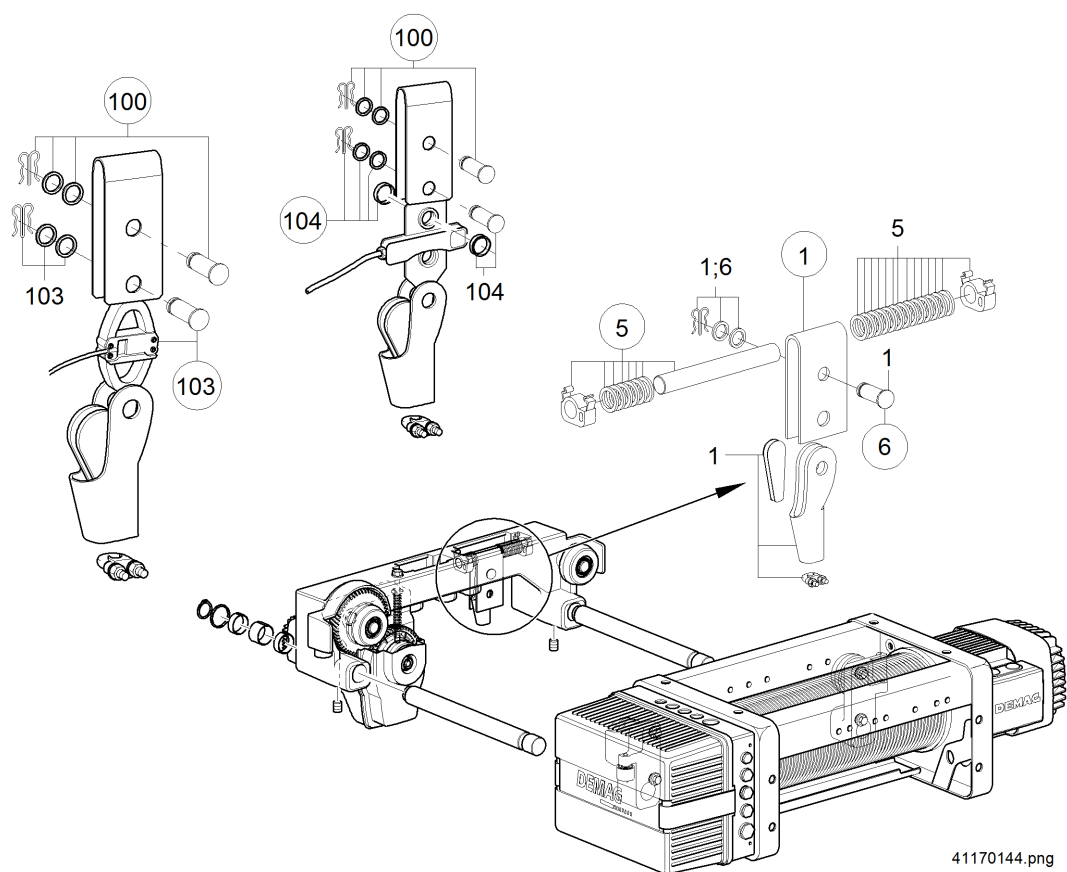
EKDH, Trolley size 3,2,
Return sheave and rope retaining crosshead,
4/1 reeving

Low-headroom monorail trolley

Item	Part no.	Quantity	Designation		Material	RSP
1	82802033	1	Top block set 132 7,5 DH160	c/w item 10, 1)	f.Lasterf.	
6	82803833	1	Set of pins EKDH 200 2/1	2)		
10	82907533	1	Rope sheave set 132/ 7,5		DH 160	
14	82813533	1	Top block set 132 7,5 DH160	c/w item 10, 1)		
15	82801133	1	Rope wedge crosshead 160 4/1	1)	DH 160	
20	82807533	1	Rope anchorage set DH 160			
103	49169133	1	Unit MGS 0,8 T Set	DH 168	DH168,P,PL	
103	49179144	1	Unit MGS 0,624T	DH 166	DH166,P,PL	
103	49189144	1	Unit MGS 0,5 T	DH 165	DH165,P,PL	
103	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644024

1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g)



EKDH, Trolley size 3.2, Rope retaining crosshead, 2/1 reeving

Low-headroom monorail trolley

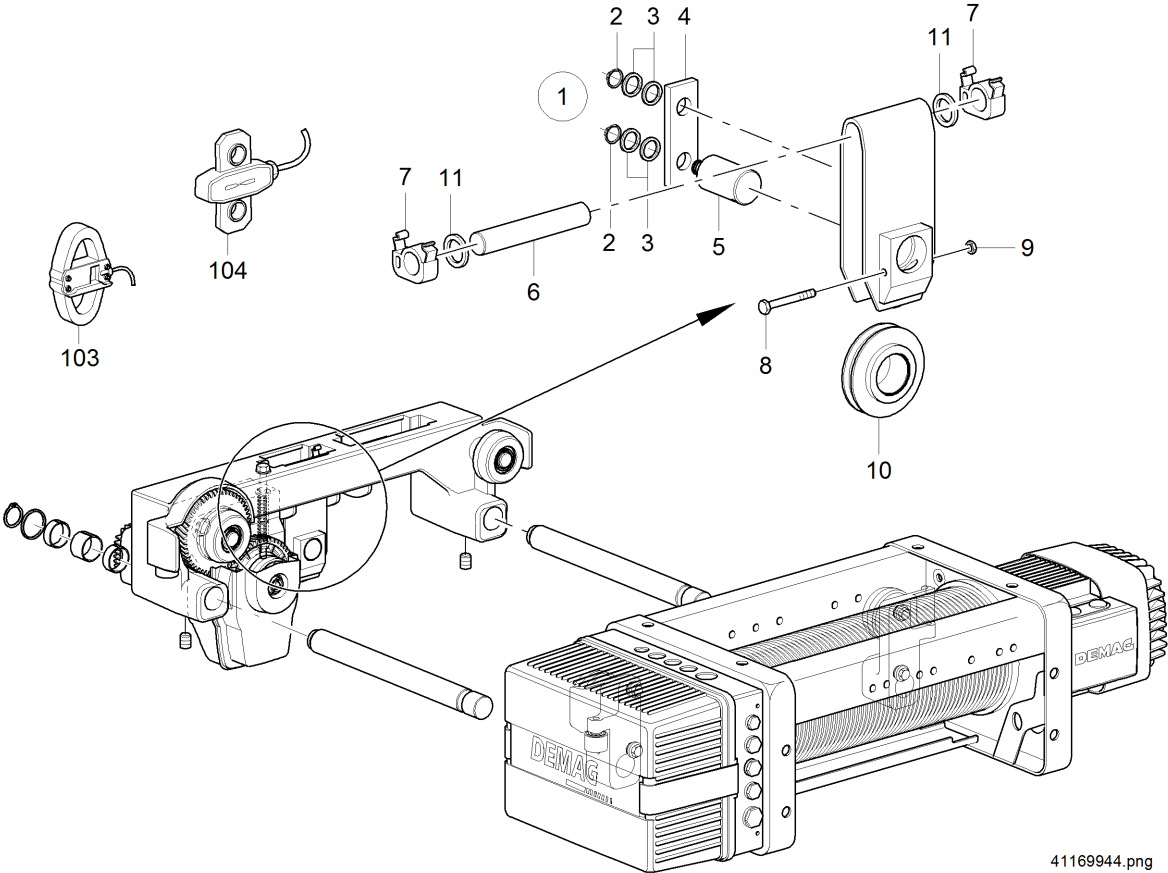
Item	Part no.	Quantity	Designation		Material	RSP
1	82812733	1	Rope anchorage set EKDH 2/1	c/w items 5, 6, 1)		
5	82803833	1	Set of pins EKDH 200 2/1	2)		
6	82258033	1	Bolt connection set + spring clip	1), 3)	20x56	
100	82258033	1	Bolt connection set + spring clip	1), 3)	20x56	
103	49169133	1	Unit MGS 0,8 T Set	DH 168	DH168,P,PL	
103	49179144	1	Unit MGS 0,624T	DH 166	DH166,P,PL	
103	49189144	1	Unit MGS 0,5 T	DH 165	DH165,P,PL	
104	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644025

1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.

2) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g)

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 3.2,
Compensating sheave 100-6.5/5.5,
4/2 reeving - H19

Low-headroom monorail trolley

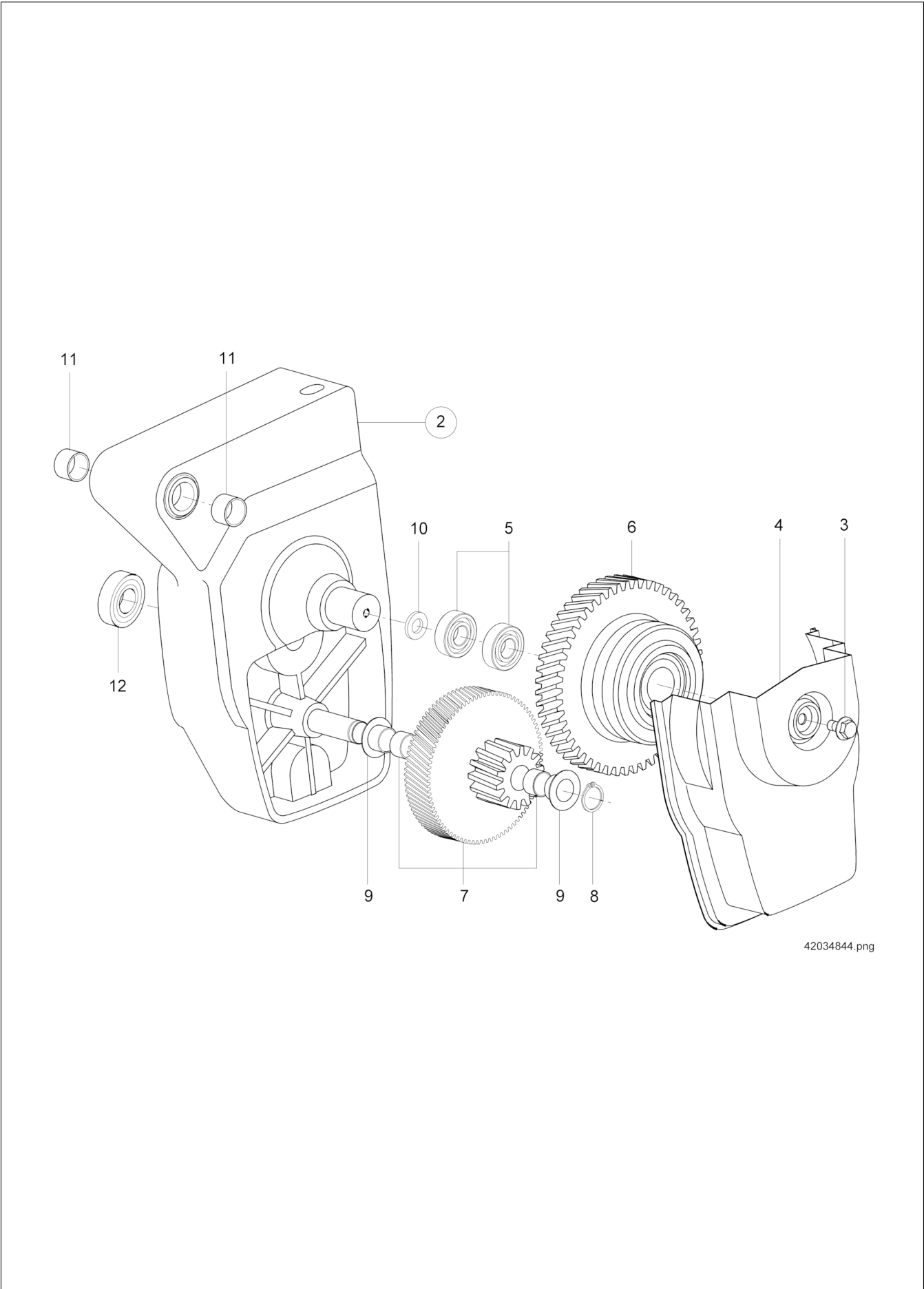
Item	Part no.	Quantity	Designation		Material	RSP
1	82833544	1	Compensating sheave 100-6.5/5.5	c/w items 2 - 6, 8 - 10, 1)	EKDH 200	
2	34251699	2	Retaining ring 16X1		FedSt 1L	
4	34151199	4	Supporting plate 16X 22X1,5		Fedst	
4	82823144	1	Flat piece 40X 10X 110BOH		DH 160	
5	82832744	1	Bolt axle compensating sheave		DH 160	
6	82806344	1	Pin 25h11x148 Fas	2)	DH 160	
7	82819544	2	Swivel bearing bush EKDH 160	2)	PA6.6	
8	30287899	1	Hexagonal screw M 8 X 70		8.8 A2F	
9	33460844	1	Lock nut V M 8		8 A2F	
10	82833444	1	Rope sheave 112-6,5/ 5,5		200 4/2	
11	34349899	2	Supporting plate 25X 35X2		Fedst	
103	49169033	1	Unit MGS 0,4 T Set	DH 168	DH168,P,PL	
103	49179044	1	Unit MGS 0,315T	DH 166	P130,PLV83	
103	49189044	1	Unit MGS 0,25 T	DH 165	P125,PLV82	
104	49139133	1	Strain gauge car.link set ZMS 1,25t		DH,PLV,P	

21756644026

1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
2) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g)

EKDH, Trolley size 3.2,
Drive carrier for arduous conditions
Only for travel drive with ZBF 71 motor

Low-headroom monorail trolley



EKDH, Trolley size 3.2,
 Drive carrier for arduous conditions
 Only for travel drive with ZBF 71 motor

Low-headroom monorail trolley

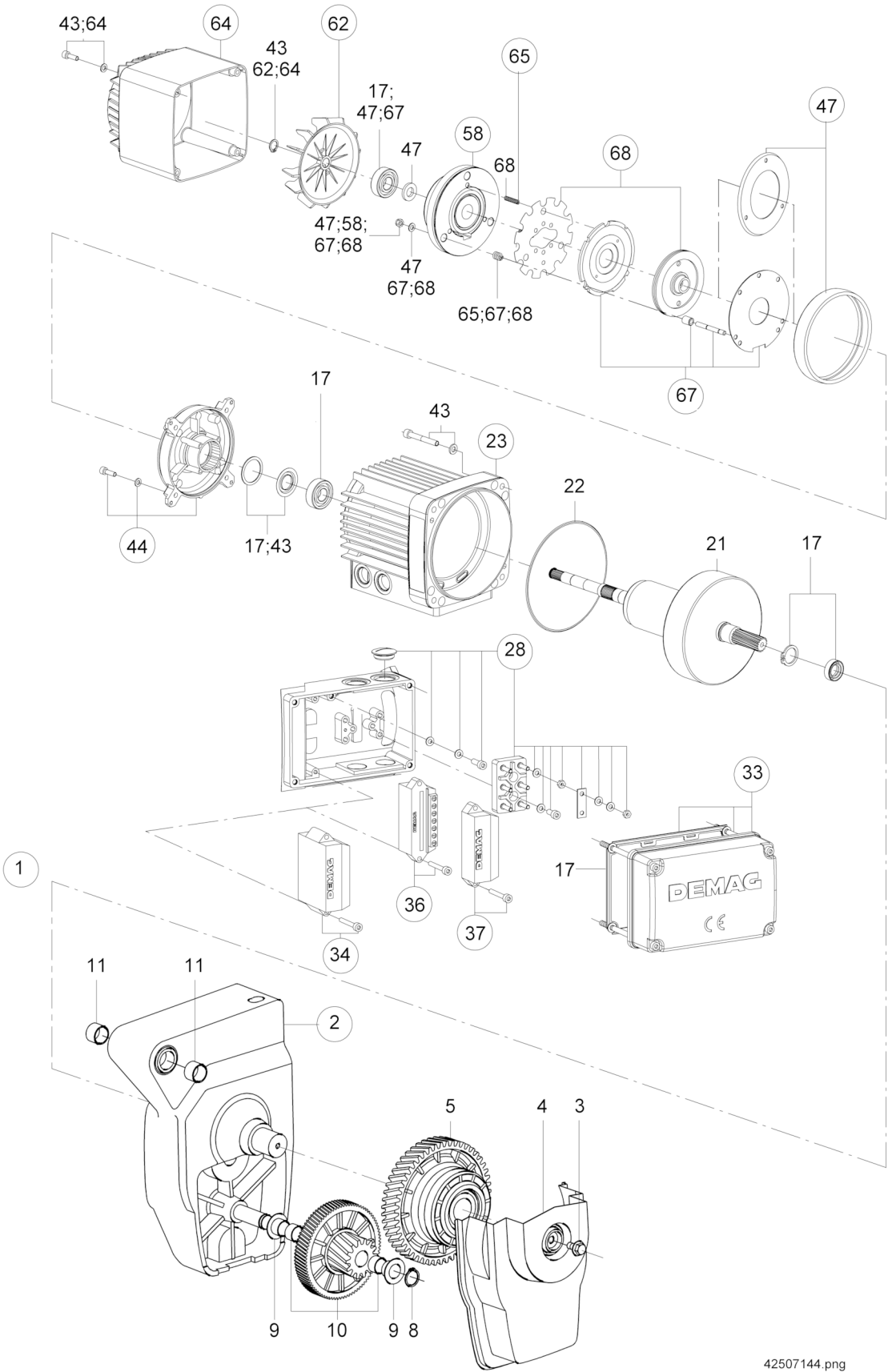
Item	Part no.	Quantity	Designation		Material	RSP
2	83068044	1	Drive unit bogie link GR. 3,2	c/w items 3, 4, 6 - 9, 11, 12	EKDH160200	
3	34326744	1	Lock screw M 8X16 VB.RIPP		100 flZnL	
4	83051744	1	Hood 160 DH 160	1)	ST04 Z ZN	
5	36822699	2	Grooved ball bearing 6206 2Z		Wlz-St !F	
6	83067744	1	Drive wheel KDH-GR.3,2	1)	GGG-65	
7	83077844	1	Cluster gear Z86M1,25-Z14M3	1)	KDH GR.3,2	
8	34251899	1	Retaining ring 18X1,2		FedSt	
9	82010944	2	Axial bearing disk 18X 32X1		AS 1832	
10	34265699	1	Retaining ring 62X2		FedSt	
11	87040342	2	Bush 20X 23X15 B		ST/PTFE	
12	36826499	1	Grooved ball bearing 6204 2RS		Wlz-St !L	

21756644027

1) 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.

EKDH, Trolley size 3.2,
Travel drive with ZBF 71 - B003 brake

Low-headroom monorail trolley



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EKDH, Trolley size 3.2, Travel drive with ZBF 71 - B003 brake

Low-headroom monorail trolley

Item	Part no.	Quantity	Designation		Material	RSP
			Travel speed 7 m/min	1)		
1	80367446	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
			Travel speed 14 m/min			
1	80367246	1	Drive unit EKDH 3.2 ZBF71A4	c/w item 2	V=14	
			Travel speed 28 m/min	2)		
1	80367446	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
			Travel speed 7/14 m/min			
1	80367346	1	Drive unit EKDH 3.2 ZBF71A48	c/w item 2	V= 7 /14	
			Travel speed 7/28 m/min			
1	80367446	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
2	83002044	1	Drive unit bogie link EKDH 160	3)	ZBF71 3,2T	
3	34326744	1	Lock screw M 8X16 VB.RIPP		100 flZnL	
4	83051744	1	Hood 160 DH 160	3)	ST04 Z ZN	
5	83053444	1	Drive wheel DH 160 3,2T	3)	AKULON	
8	34251899	1	Retaining ring 18X1,2		FedSt	
9	82010944	2	Axial bearing disk 18X 32X1		AS 1832	
10	83063544	1	Cluster gear Z 86M1,25Z14M3	3)	DH 160	
11	87040342	2	Bush 20X 23X15 B		ST/PTFE	
17	36687533	1	Bearing and sealing set Z63/71			
19	36826499	1	Grooved ball bearing 6204 2RS		Wlz-St !L	
20	34247099	1	Retaining ring 20X1,75		FedSt !L	
21	20833284	1	Rotor ZBF 63B DH 160	A4, A8/2, A8/4, ZBF 71		
22	36720399	1	O-ring 120,37X 1,78 N		NBR 70	
23	21100784	1	Stator ZBF 71A 8/2	A4, A8/4	380-400V50	
28	79499233	1	Terminal box set Z 63 / 71			
34	26094384	1	Brake control GF 0,8A		220-500V	
36	26089084	1	Brake control GE 3 A			
37	26086484	1	Current relay SE0,25-4,0A AC		Z 63- 71	
43	34247033	1	Mounting parts set Z 63 / 71			
44	20867233	1	End shield set BS ZB 63/ 71	4)	B003-B007	
47	26003033	1	Masking tape Br. IP55 B007	5)	ZB 63	
58	26005033	1	Magnet body set B003 180V			
62	20871533	1	Fan set Z63/71 leicht			
64	20874033	1	Fan cover set ZB 63/ 71		DG lang	
65	26001033	1	Brake spring set B003	1,9 Nm		
67	26096033	1	Overhauling set B003	5)	ZBA/ZBF 63	
68	26096233	1	Wear and tear set B003	5)		

21756644028

- 1) Only the 8-pole winding is connected for a single travel speed.
- 2) Only the 2-pole winding is connected for a single travel speed.
- 3) 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.
- 4) State option "integrated pulse generator" when ordering, if required.
- 5) For service in arduous conditions.



EKDH, Trolley size 3.2, Travel drive with ZBF 71 - B004 brake

Low-headroom monorail hoist

Item	Part no.	Quantity	Designation		Material	RSP
			Travel speed 7 m/min	1)		
1	80366246	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
			Travel speed 14 m/min			
1	80366046	1	Drive unit EKDH 3.2 ZBF71A4	c/w item 2	V=14	
			Travel speed 28 m/min	2)		
1	80366246	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
			Travel speed 7/14 m/min			
1	80366146	1	Drive unit EKDH 3.2 ZBF71A48	c/w item 2	V= 7 /14	
			Travel speed 7/28 m/min			
1	80366246	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	V= 7 /28	
2	83002044	1	Drive unit bogie link EKDH 160	c/w items 3 - 5, 8 - 11, 3)	ZBF71 3,2T	
3	34326744	1	Lock screw M 8X16 VB.RIPP		100 flZnL	
4	83051744	1	Hood 160 DH 160	3)	ST04 Z ZN	
5	83053444	1	Drive wheel DH 160 3,2T	3)	AKULON	
8	34251899	1	Retaining ring 18X1,2		FedSt	
9	82010944	2	Axial bearing disk 18X 32X1		AS 1832	
10	83063544	1	Cluster gear Z 86M1,25Z14M3	3)	DH 160	
11	87040342	2	Bush 20X 23X15 B		ST/PTFE	
17	36687533	1	Bearing and sealing set Z63/71			
19	36826499	1	Grooved ball bearing 6204 2RS		Wiz-St !L	
20	34247099	1	Retaining ring 20X1,75		FedSt !L	
21	20833284	1	Rotor ZBF 63B DH 160	A4, A8/2, A8/4, ZBF 71		
22	36720399	1	O-ring 120.37X 1,78 N		NBR 70	
23	21100784	1	Stator ZBF 71A 8/2	A4, A8/4	380-400V50	
28	79499233	1	Terminal box set Z 63 / 71			
34	26094384	1	Brake control GF 0,8A		220-500V	
36	26089084	1	Brake control GE 3 A			
37	26086484	1	Current relay SE0,25-4,0A AC		Z 63- 71	
43	34247033	1	Mounting parts set Z 63 / 71			
44	20867233	1	End shield set BS ZB 63/ 71	4)	B003-B007	
47	26013033	1	Masking tape Br. IP55 B007	B004, 5)	ZB 80	
58	26015033	1	Magnet body set B007 180V	B004		
62	20871533	1	Fan set Z63/71 leicht			
64	20874033	1	Fan cover set ZB 63/ 71		DG lang	
65	26011033	1	Brake spring set B007	1,9 Nm		
67	26096633	1	Overhauling set B007/ZB 63	ZBF 71, B004, 5)		
68	26097033	1	Wear and tear set B007	B004, 5)		
			B004 brake	6)		

21756644033

- 1) Only the 8-pole winding is connected for a single travel speed.
- 2) Only the 2-pole winding is connected for a single travel speed.
- 3) 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.
- 4) State option "integrated pulse generator" when ordering, if required.
- 5) For service in arduous conditions.
- 6) replaced by B007 brake