

Component parts list

Demag DH 200 Rope Hoist
from 1.6.1997

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Alterations compared with previous issue

Example

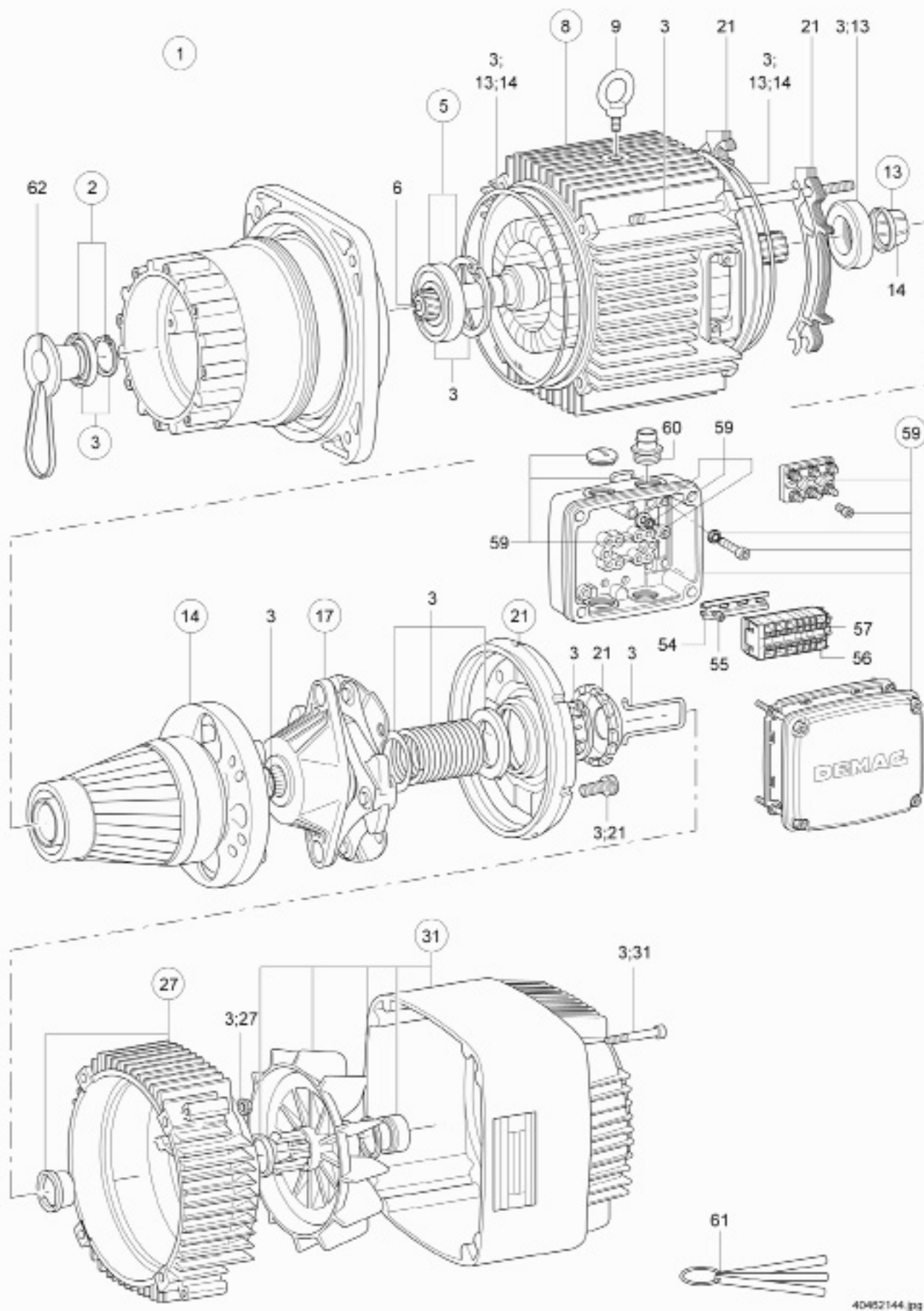
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Retaining ring 30X1.5

DIN 471

Main hoist motor KMH 100 B2



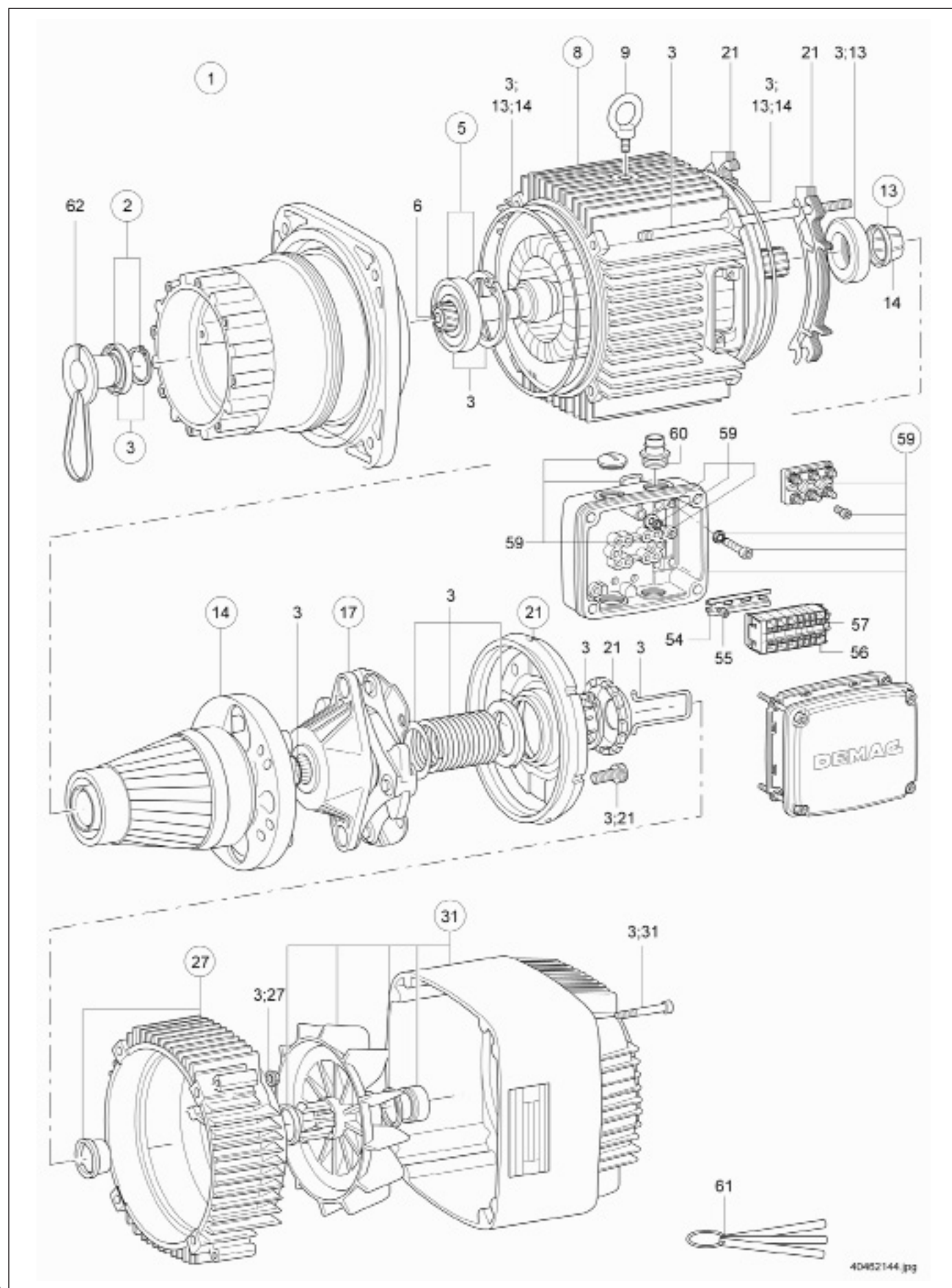
Main hoist motor KMH 100 B2

Item no.	Part no.	Quantity	Designation		Material	Standard
1	5)		Motor/Planetary gearbox	3) 4)		
2	82115033	1	Seal set DH 160/200	3)		
3	12881733	1	Small parts set KMH100B 2			
5	82116933	1	Bearing set DH 160/ 200 3Stage	3)		
8	5)	1	Stator set KMH100B 2	c/w item 9 1)		
9	31350199	1	Eyebolt M10			DIN 580
13	14385233	1	Thrust ring set KM 100			
14	14345533	1	Rotor set KMH 100B	1)		
# 17	14376033	1	Engaging element KM 100			
27	14361333	1	End shield set, brake side KM100			
27	14363133	1	End shield set, brake side KM 100	2)		
31	14382033	1	Cover and fan set			
54	14986284	1	Terminal mounting rail 15 / 5.5 X 90M	<= 15 A		
55	32052899	2	Socket head screw M 4 X 8	<= 15 A	10.9 A2F	ISO 4762
56	03495784	1	Terminal block module KM	<= 15 A, 3 terminals		
57	89541944	2	End section TS15	<= 15 A		
59	06998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe connector M32 X 1.5 NW24			
61	10041084	3	Feeler gauge set	1)		
62	83703544	1	Protective sleeve DK10/16			

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- 1) 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)
- 2) For service in arduous conditions, chromium-plated brake surface.
- 3) See planetary gearbox.
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
- 5) On request

Main/creep hoist motor KMH 100 B2/8

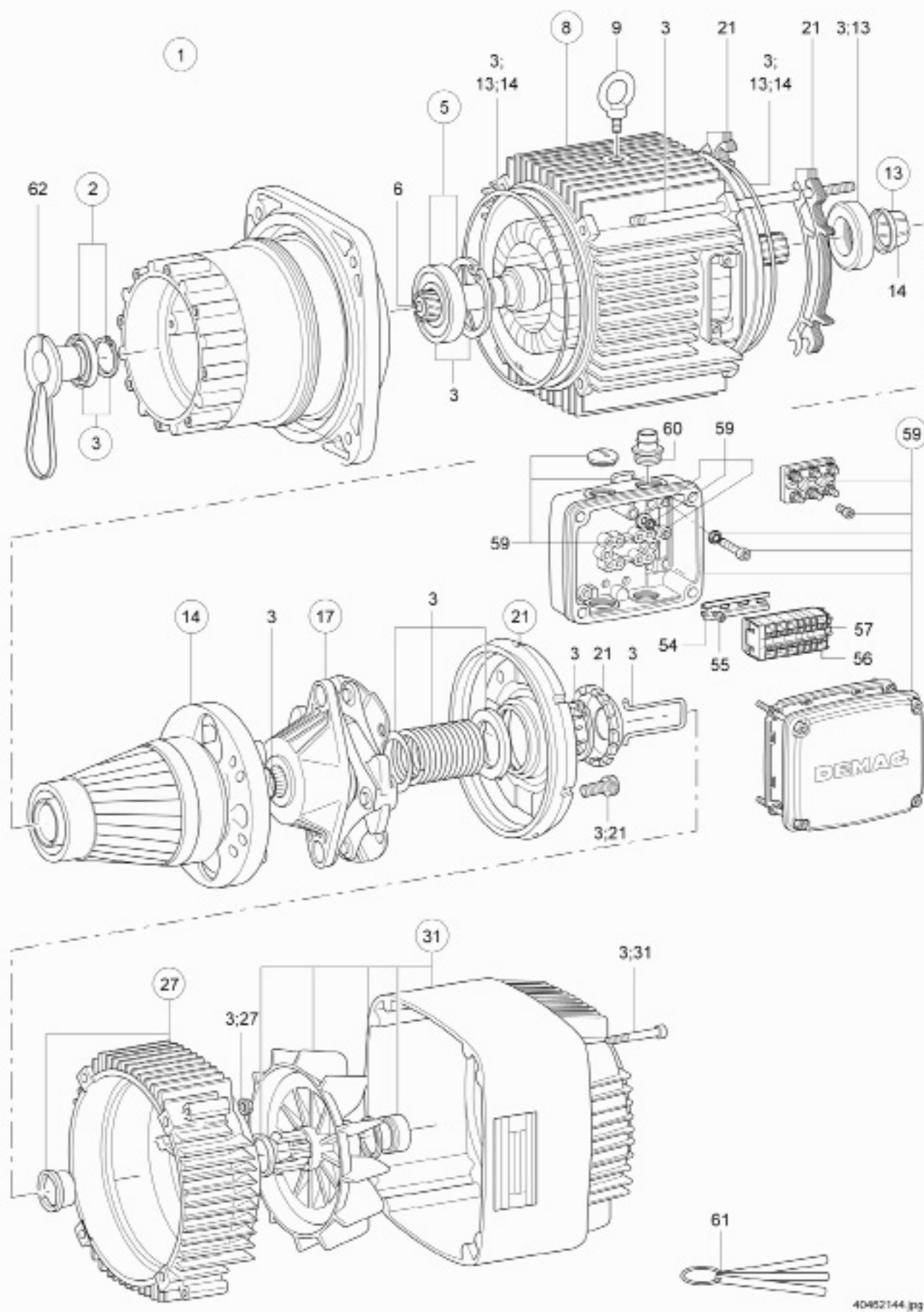


Main/creep hoist motor KMH 100 B2/8

Item no.	Part no.	Quantity	Designation		Material	Standard
1	5)		Motor/Planetary gearbox	3) 4)		
2	82115033	1	Seal set DH 160/200	3)		
3	12881833	1	Small parts set KMH100B 2/ 8			
5	82116933	1	Bearing set DH 160/ 200 3Stage	3)		
8	5)	1	Stator set KMH100 B 2/8	c/w item 9 1)		
9	31350199	1	Eyebolt M10			DIN 580
13	14385233	1	Thrust ring set			
14	14345533	1	Rotor set KMH 100B	1)		
# 17	14376033	1	Engaging element KM 100			
21	14389533	1	Brake lining support KMK 100			
27	14361333	1	End shield set, brake side KM 100			
27	14363133	1	End shield set, brake side KM 100	2)		
31	14382033	1	Cover and fan set			
54	14986284	1	Terminal mounting rail 15 / 5.5X 90M	<= 15 A		
55	32052899	2	Socket head screw M 4 X 8	<= 15 A	10.9 A2F	ISO 4762
56	03495784	1	Terminal block module KM	<= 15 A, 3 terminals		
57	89541944	2	End section TS15	<= 15 A		
59	06998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe connector M32 X 1.5 NW24			
61	10041084	3	Feeler gauge set	1)		
62	83703544	1	Protective sleeve DK10/16			

- 1) 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)
- 2) For service in arduous conditions, chromium-plated brake surface.
- 3) See planetary gearbox.
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
- 5) On request

Main/creep hoist motor KMH 112 B2/8



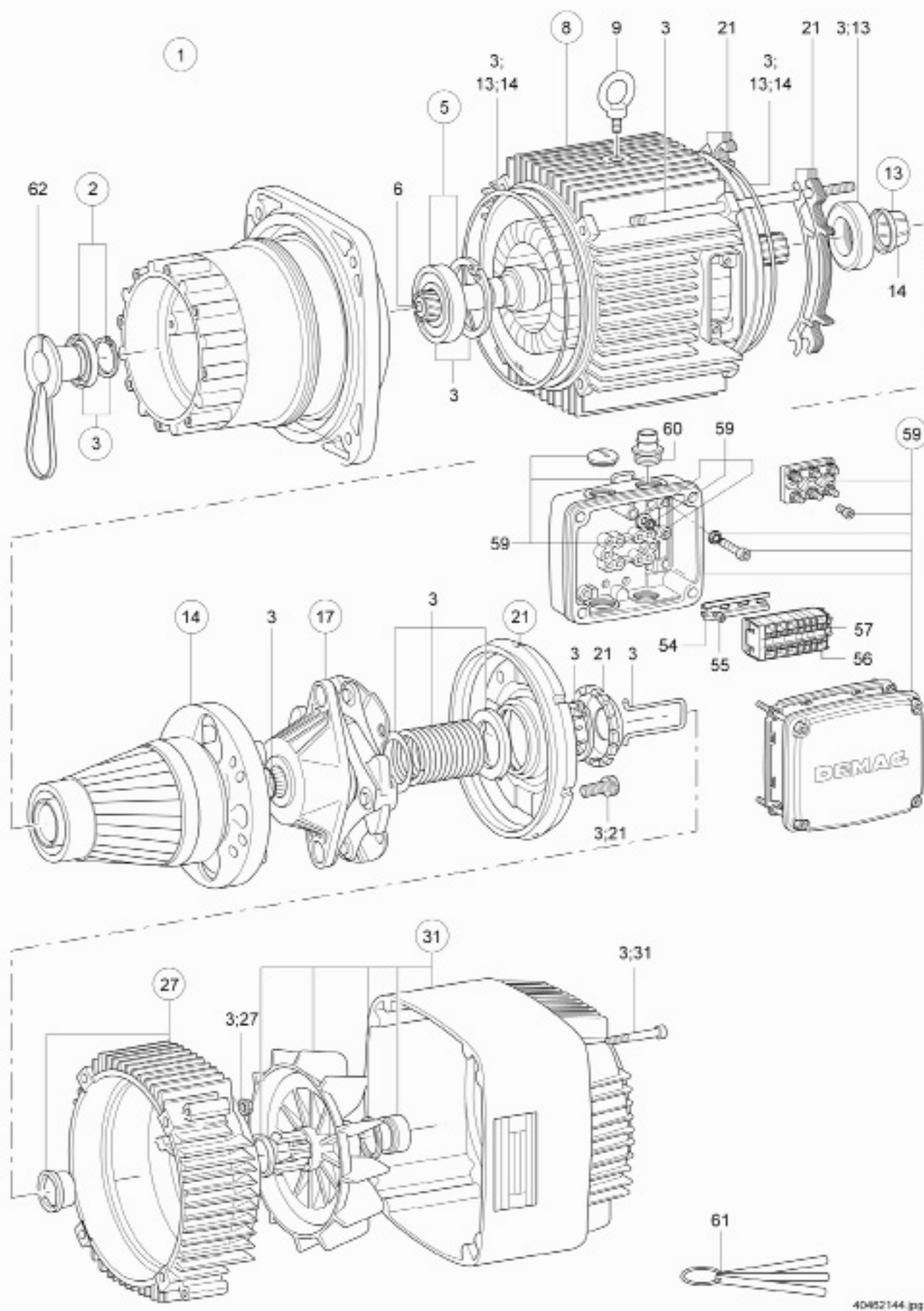
Main/creep hoist motor KMH 112 B2/8

Item no.	Part no.	Quantity	Designation		Material	Standard
1	5)		Motor/Planetary gearbox	3) 4)		
2	82115033	1	Seal set DH 160/200	3)		
3	12881833	1	Small parts set KMH100B 2/ 8			
5	82116933	1	Bearing set DH 160/ 200 3Stage	3)		
8	5)	1	Stator set KMH112B 2/8	c/w item 9 1)		
9	31350199	1	Eyebolt M10			DIN 580
13	14885233	1	Thrust ring set KM 112			
14	14845433	1	Rotor set KMK 112	1)		
17	14876033	1	Engaging element KM 112			
21	14889533	1	Brake lining support KMK 112			
27	14861333	1	End shield set, brake side KM112			
27	14863133	1	End shield set, brake side KM 112	2)		
30	14889633	1	Cover and fan set			
54	14986284	1	Terminal mounting rail 15 / 5.5 X 90M	<= 15 A		
55	32052899	2	Socket head screw M 4 X 8	<= 15 A	10.9 A2F	ISO 4762
56	03495684	1	Terminal block module KM	<= 15 A, 6 terminals		
57	89541944	2	End section TS15	<= 15 A		
59	06998533	1	Terminal box set KB100-125			
60	82157244	1	Pipe connector M32 X 1.5 NW24			
61	10041184	3	Feeler gauge set	1)		
62	83703544	1	Protective sleeve DK10/16			

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- 1) 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)
- 2) For service in arduous conditions, chromium-plated brake surface.
- 3) See planetary gearbox.
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
- 5) On request

Main/creep hoist motor KMH 112 B2/12



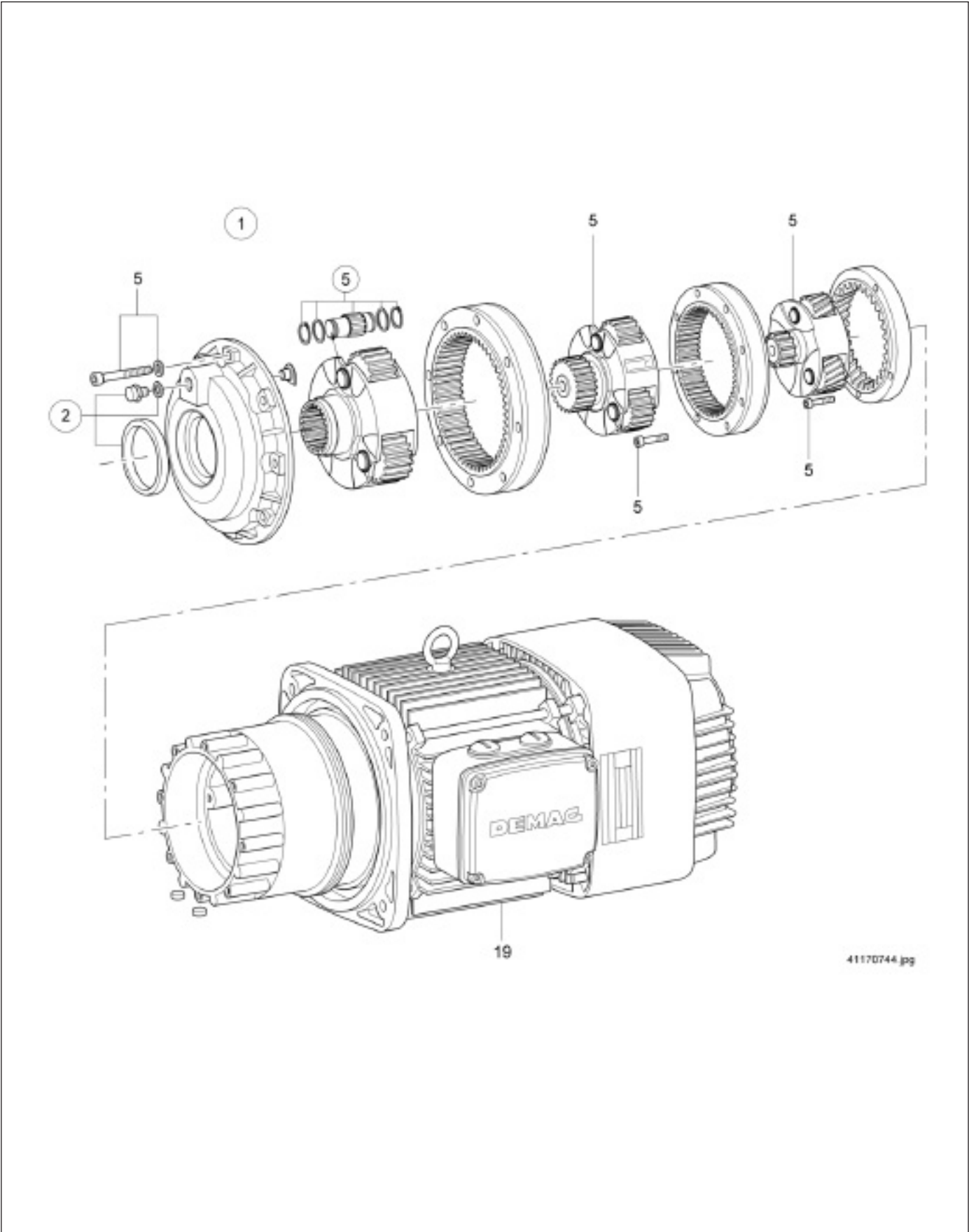
Main/creep hoist motor KMH 112 B2/12

Item no.	Part no.	Quantity	Designation	Material	Standard
1	5)		Motor/Planetary gearbox	3) 4)	
2	82115033	1	Seal set DH 160/200	3)	
3	12881933	1	Small parts set KMH112B 2/ 8		
5	82116933	1	Bearing set DH 160/ 200 3Stage	3)	
8	5)	1	Stator set KMH112B2/12	c/w item 9 1)	
9	31350199	1	Eyebolt M10		DIN 580
13	14885233	1	Thrust ring set KM 112		
14	14845433	1	Rotor set KMK 112	1)	
17	14876033	1	Engaging element KM 112		
21	14889533	1	Brake lining support KMK 112		
27	14861333	1	End shield set, brake side KM112		
27	14863133	1	End shield set, brake side KM 112	2)	
31	14889633	1	Cover and fan set		
51	06990984	1	Cable entry sleeve		
54	14986284	1	Terminal mounting rail 15 / 5.5 X 90M	<= 15 A	
55	32052899	2	Socket head screw M 4 X 8	<= 15 A	
56	03495684	1	Terminal block module KM	<= 15 A, 6 terminals	
57	89541944	2	End section TS15	<= 15 A	
59	06998533	1	Terminal box set KB100-125		
60	82157244	1	Pipe connector M32X1.5 NW24		
61	10041184	3	Feeler gauge set	1)	
62	83703544	1	Protective sleeve DK10/16		

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- 1) 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)
- 2) For service in arduous conditions, chromium-plated brake surface.
- 3) See planetary gearbox.
- 4) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
- 5) On request

3-stage planetary gearbox drive



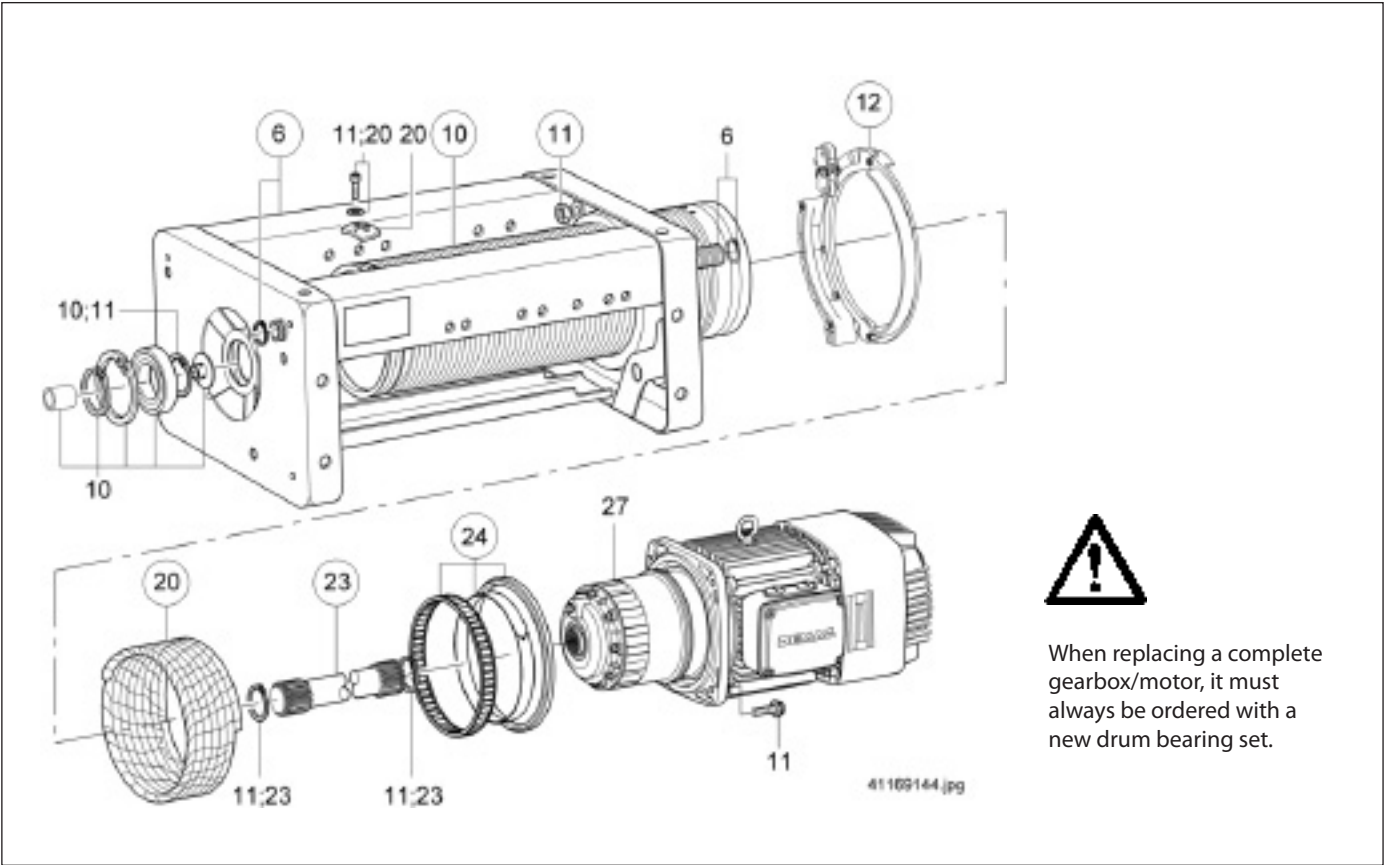
3-stage planetary gearbox drive

Item no.	Part no.	Quantity	Designation	Material	Standard
			Drive set KMH 100 B2	1) 2)	
1	4)	1	Drive set 200 KMH100	DH 212 V1, i = 122.3	
1	4)	1	Drive set 200 KMH100	DH 210 V1, i = 98.1	
1	4)	1	Drive set 160/200 KMH100	DH 208 V1, i = 82.5	
			Drive set KMH 100 B2/8	1) 2)	
1	4)	1	Drive set 200 KMH100	DH 210 V1, i = 122.3	
1	4)	1	Drive set 160/200 KMH100	DH 208 V1, i = 98.1	
			Drive set KMH 112 B2/8	1) 2)	
1	4)	1	Drive set 200 KMH112	DH 212 V2, i = 98.1	
1	4)	1	Drive set 200 KMH112	DH 210 V2, i = 82.5	
1	4)	1	Drive set 160/200 KMH112	DH 208 V2, i = 66.2	
			Drive set KMH 112 B2/12	1) 2)	
1	4)	1	Drive set 200 KMH112	DH 212 V2, i = 98.1	
1	4)	1	Drive set 200 KMH112	DH 210 V1, i = 122.3	
1	4)	1	Drive set 200 KMH112	DH 210 V2, i = 82.5	
1	4)	1	Drive set 160/200 KMH100	DH 208 V1, i = 98.1	
1	4)	1	Drive set 160/200 KMH112	DH 208 V2, i = 66.2	
2	82115033	1	Seal set DH 160/200	3)	
5	82116933	1	Bearing set DH 160/ 200 3Stage	3)	
19			Spare parts for KMH 100 B2 motor	see page 4	
19			Spare parts for KMH 100 B2/8 motor	see page 6	
19			Spare parts for KMH 112 B2/8 motor	see page 8	
19			Spare parts for KMH 112 B2/12 motor	see page 10	

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1) When replacing a complete gearbox/motor, it must always be ordered with a new drum bearing set.
2) Quantity 0.6 liter (0.63 qts), part no. 472 931 44 (1.0 kg (2.2 lbs)).
3) See main hoist motor KMH 100, 112.
4) On request

Frame, rope drum, rope guide, rope Hook path H10

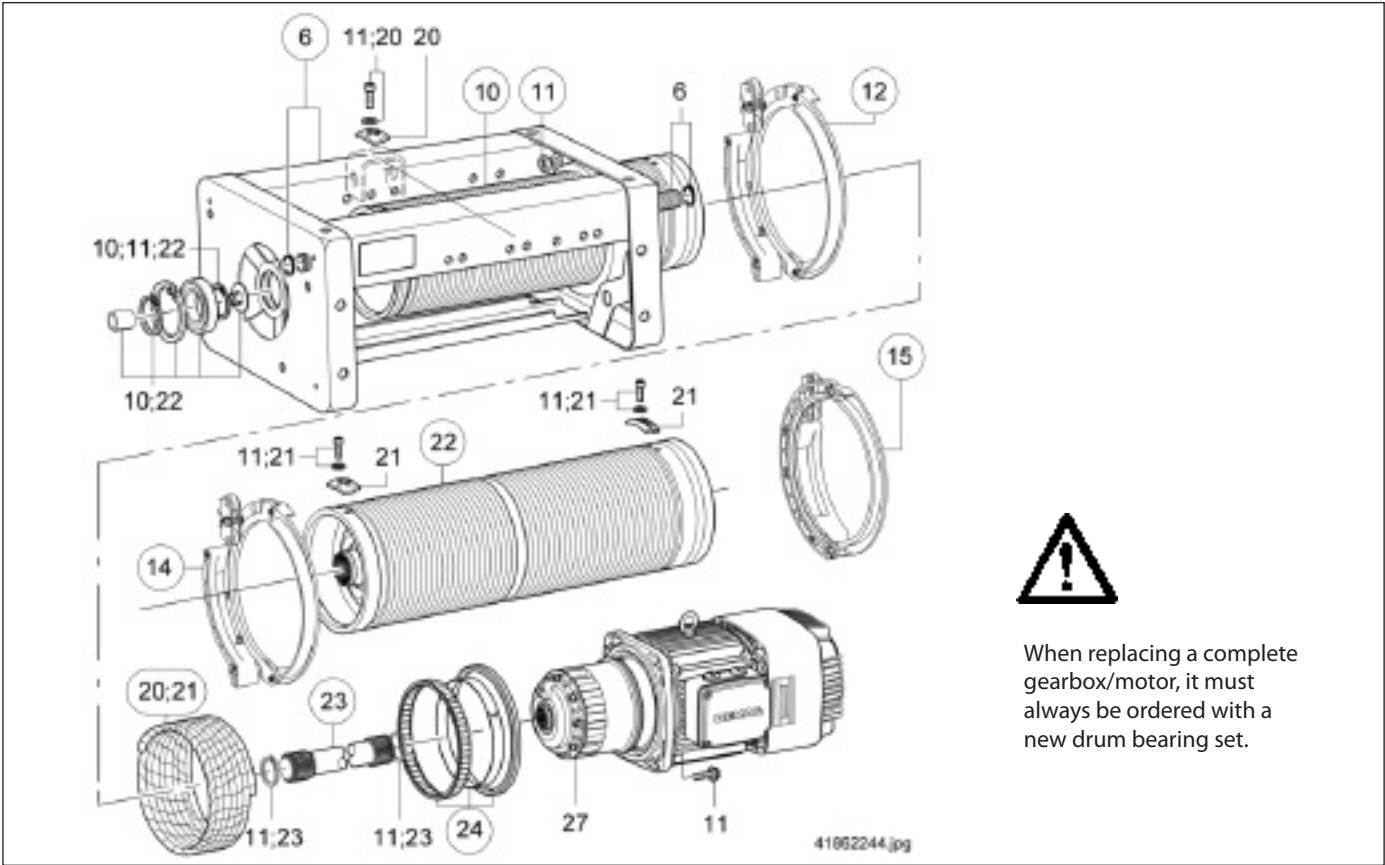


Item no.	Part no.	Quantity	Designation	Material	Standard
6	82120333	1	Frame DH 160/200 460		
6	82120744	1	Frame DH 200-460 4/1	4/1, UDH	
10	82130833	1	Rope drum 1groove H10 9	1/1, 2/1, 4/1	
11	82109633	1	Mounting parts set DH 160/200		
12	82105133	1	Rope guide, left 2 / 9	1/1, 2/1, 4/1, Acid-Resistant	
20	82146533	1	Wire rope set DH 200 9 H10 1/1	DH 212	
20	82146733	1	Wire rope set DH 200 9 H10 1/1	DH 210, 208	
20	82148733	1	Wire rope set DH200 H10 2/1		
20	82148633	1	Wire rope set DH200 H10 4/1		
23	82117833	1	Plug-in shaft DH 160/200 460	2)	
24	82135733	1	Installation kit drum bearing 27 wide	3)	
# 27			Gearbox	see page 12	

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2) Geared parts to be greased with Staburags NBU 12 K, part no. 472 933 44.
3) Grease chamber and roller bearing to be semi-filled with Staburags NBU12 K, part no. 472 933 44 (100 g (3.52 oz)).

Frame, rope drum, rope guide, rope Hook path H16



Item no.	Part no.	Quantity	Designation	Material	Standard
6	82120533	1	Frame DH 160/200 650		
6	82120644	1	Frame DH 160-200 650	4/1, UDH	
6	82120944	1	Frame DH 200-650 4/1	4/1, UDH	
10	82130433	1	Rope drum 1groove H16 9	1/1, 2/1, 4/1	
11	82109633	1	Mounting parts set DH 160/200		
12	82105133	1	Rope guide, left set 2 / 9	1/1, 2/1, 4/1	
14	82106133	1	Rope guide, left set 2 / 6.5	2/2, 4/2	
15	82106333	1	Rope guide, right set 2 / 6.5	2/2, 4/2	
20	82146633	1	Wire rope set DH 200 9 H16 1/1	DH 212	
20	82146833	1	Wire rope set DH 200 9 H16 1/1	DH 210, 208	
20	82146933	1	Wire rope set DH 200 9 H16 2/1		
20	82148933	1	Wire rope set DH 200 H16 4/1		
21	82147033	1	Wire rope set DH 200 6.5H16 2/2	2 X 22 m (2 X 72.18 ft)	
21	82147133	1	Wire rope set DH 200 6.5H16 4/2		
22	82131433	1	Rope drum 2groove H16 6.5	2/2, 4/2	
23	82117933	1	Plug-in shaft DH 160/200 650	2)	
24	82135733	1	Installation kit drum bearing 27wide	3)	
27			Gearbox	see page 12	

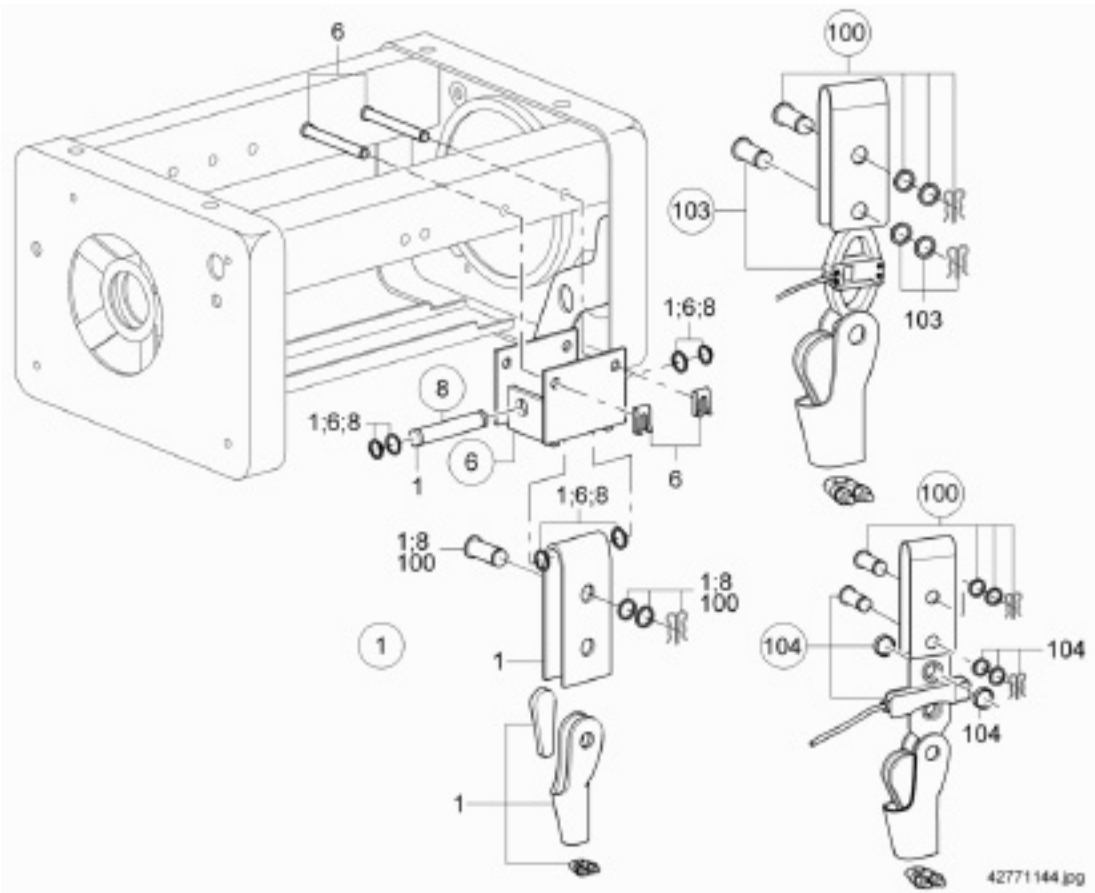
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2) Geared parts to be greased with Staburags NBU 12 K, part no. 472 933 44.
3) Grease chamber and roller bearing to be semi-filled with Staburags NBU12 K, part no. 472 933 44 (100 g (3.52 oz)).

Rope retaining crosshead

DH 200

2/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82810133	1	Rope wedge crosshead DH160 2/1	c/w item 8 1)	
6	82809033	1	Bracket rope socket 160 2/1	DH200	
8	82257933	1	Pin connection set 2/1	1) 2)	
100	82258033	1	Bolt connection set + spring clip	1) 3)	
103	4)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

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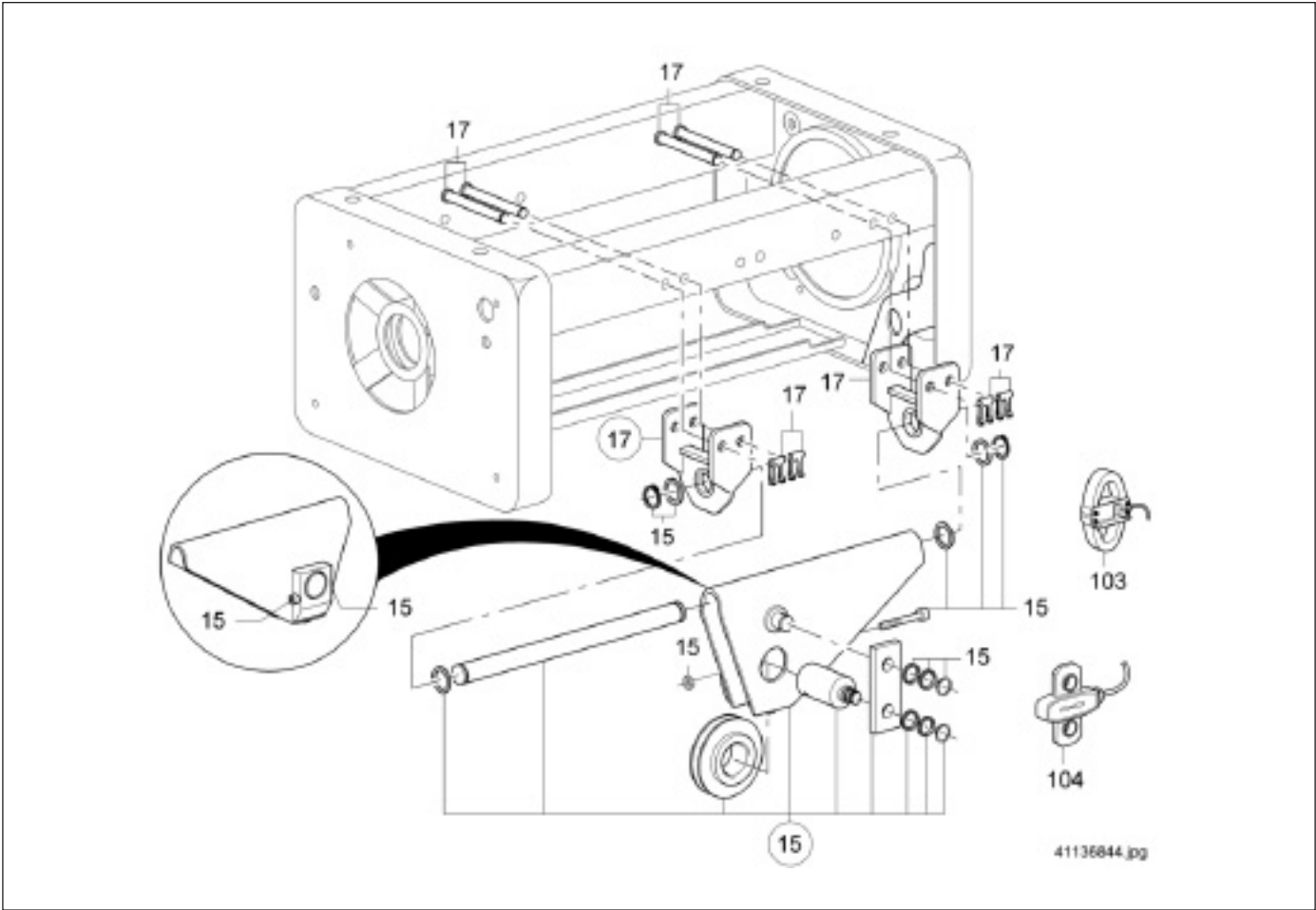
- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check suspension of rope retaining crosshead.
When fitting the rope retaining crosshead, it must be ensured that the retaining ring engages the groove in the pin.
After fitting, it must be possible to turn 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.

4) On request

Compensating sheave 100-6.5/5.5

DH 200

4/2 reeving - H16



Item no.	Part no.	Quantity	Designation	Material	Standard
15	82823533	1	Compensating sheave set 112-6.5/5.5	1) 2)	
17	82828933	1	Bracket, return sheave DH160/200	1)	
103	3)	1	Load detector set MGS	DH 200	
104	49139033	1	Strain gauge carrier link set ZMS		

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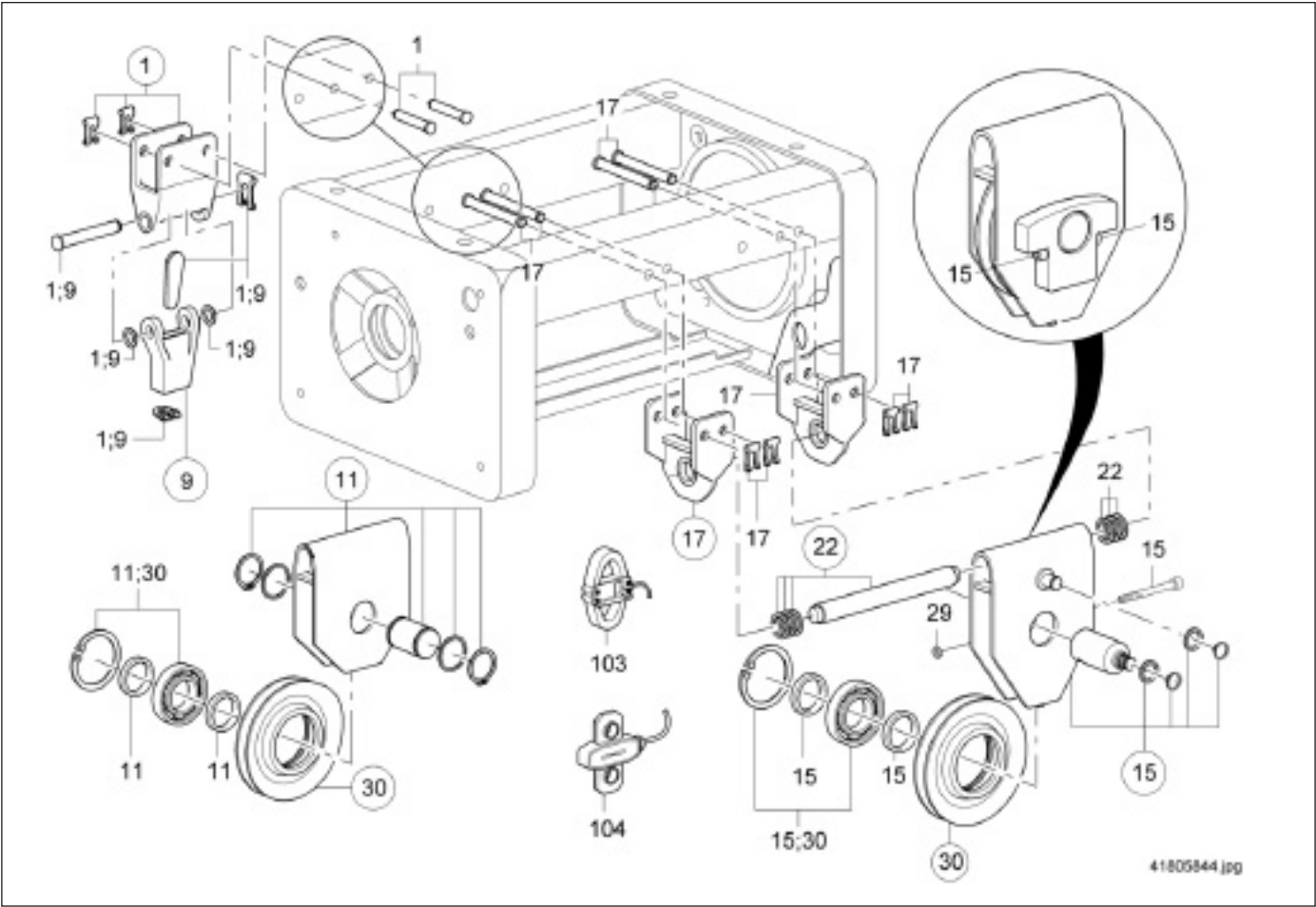
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- 1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 2) Check suspension of compensating sheave.
When fitting the compensating sheave, it must be ensured that the retaining ring engages the groove in the pin.
After fitting, it must be possible to turn the retaining ring easily.
- 3) On request

Rope retaining crosshead and return sheave 160/9

DH 200

4/1 reeving - H10



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82851133	1	Rope wedge crosshead DH 200 4/1	c/w item 9 1)	
9	82851533	1	Rope anchorage set DH 200		
11	82869033	1	Return sheave set 160 9 DH200	c/w item 30 1)	
15	82870133	1	Return sheave set 160 9 DH200	c/w item 30 1)	
17	82828933	1	Bracket, return sheave DH160/200	1)	
22	82853733	1	Pin set, return sheave DH200 4/1		
30	82901544	1	Rope sheave 160- 9		
103	2)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

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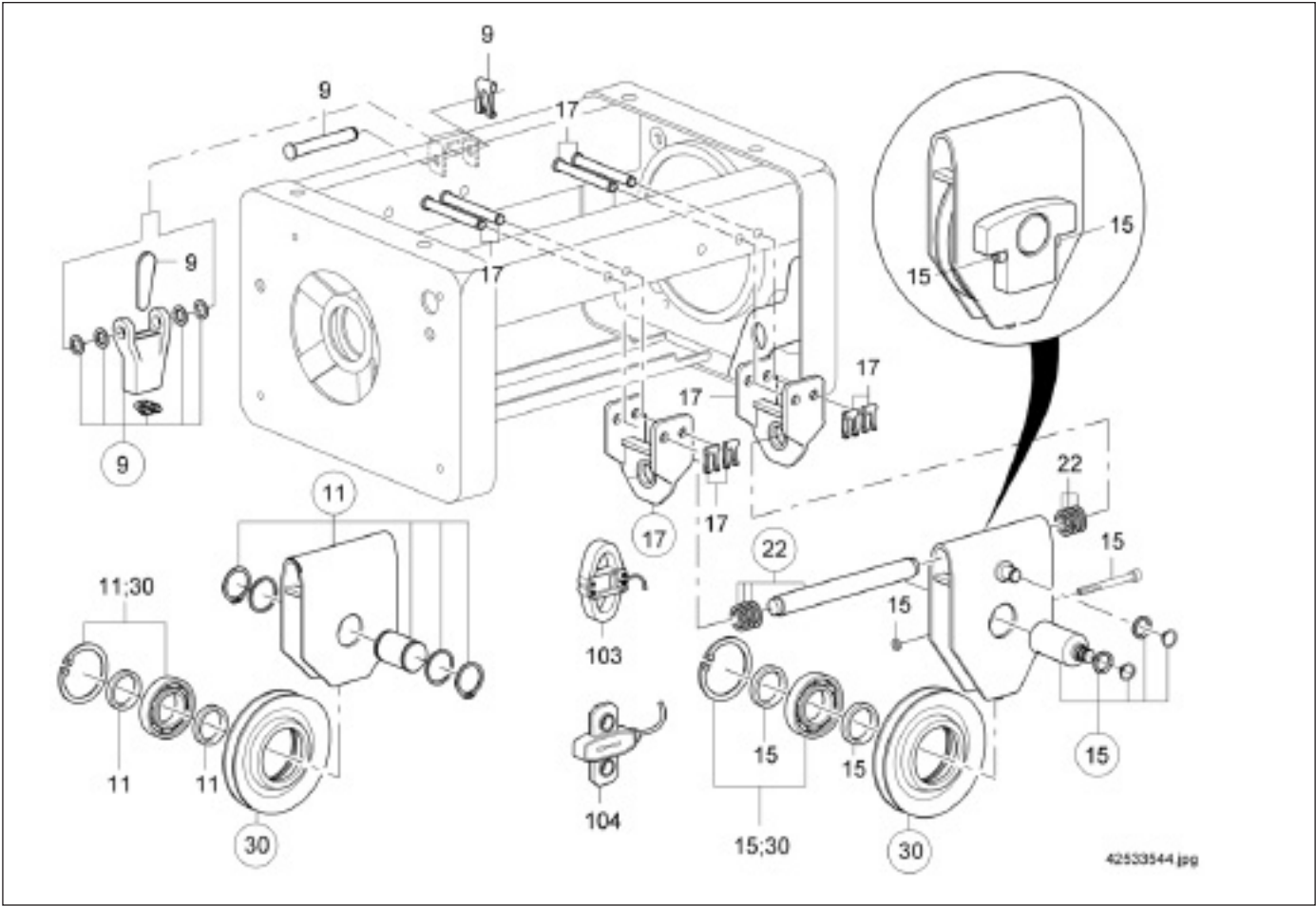
1) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.

2) On request

Rope retaining crosshead and return sheave 160/9

DH 200

4/1 reeving - H16

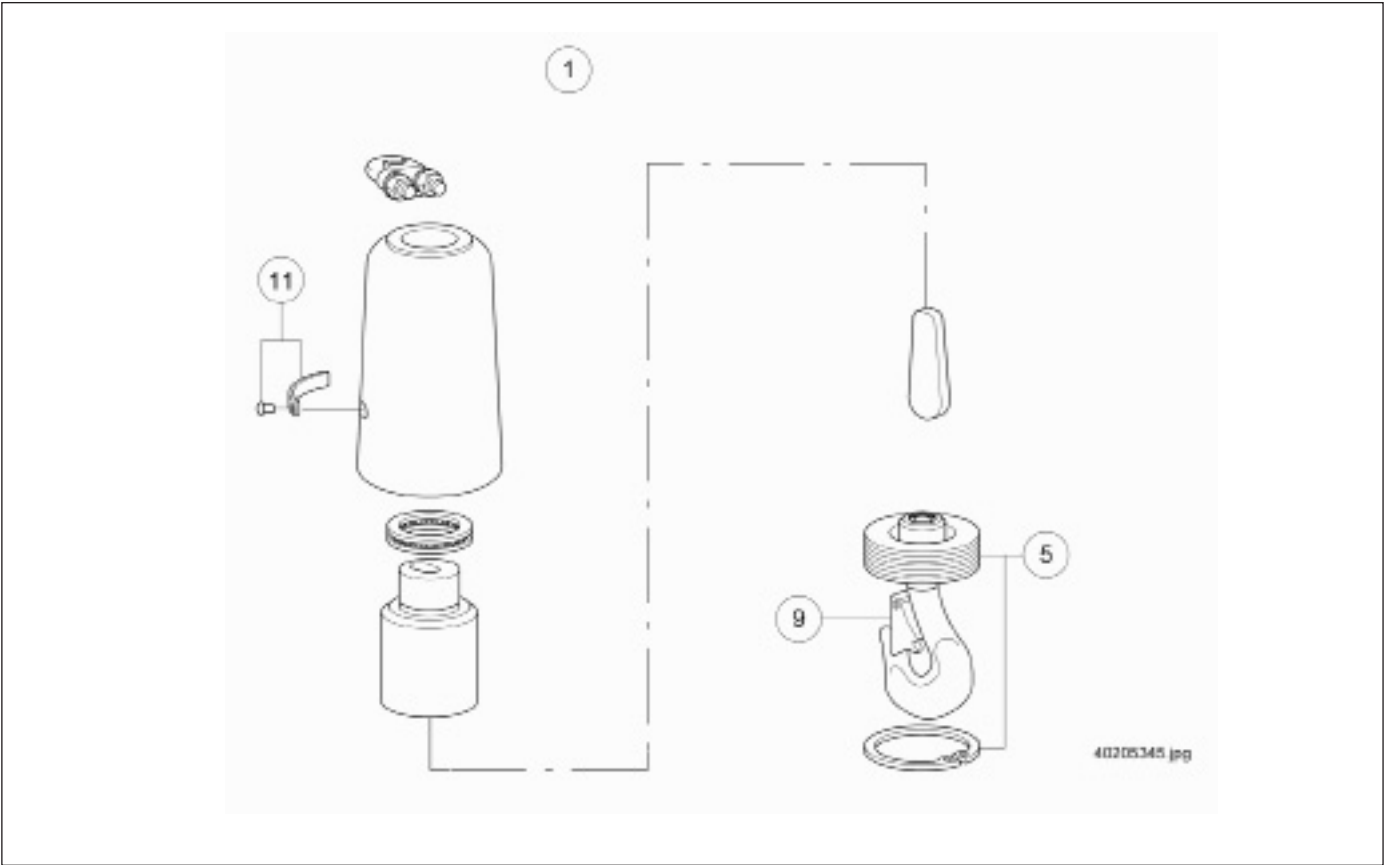


Item no.	Part no.	Quantity	Designation	Material	Standard
9	82851533	1	Rope anchorage set DH 200	1)	
11	82869033	1	Return sheave set 160 9 DH200	c/w item 30 1)	
15	82870133	1	Return sheave set 160 9 DH200	c/w item 30 1)	
17	82828933	1	Bracket, return sheave DH160/200	1)	
22	82853733	1	Pin set, return sheave DH200 4/1		
30	82901544	1	Rope sheave 160- 9		
103	2)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

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

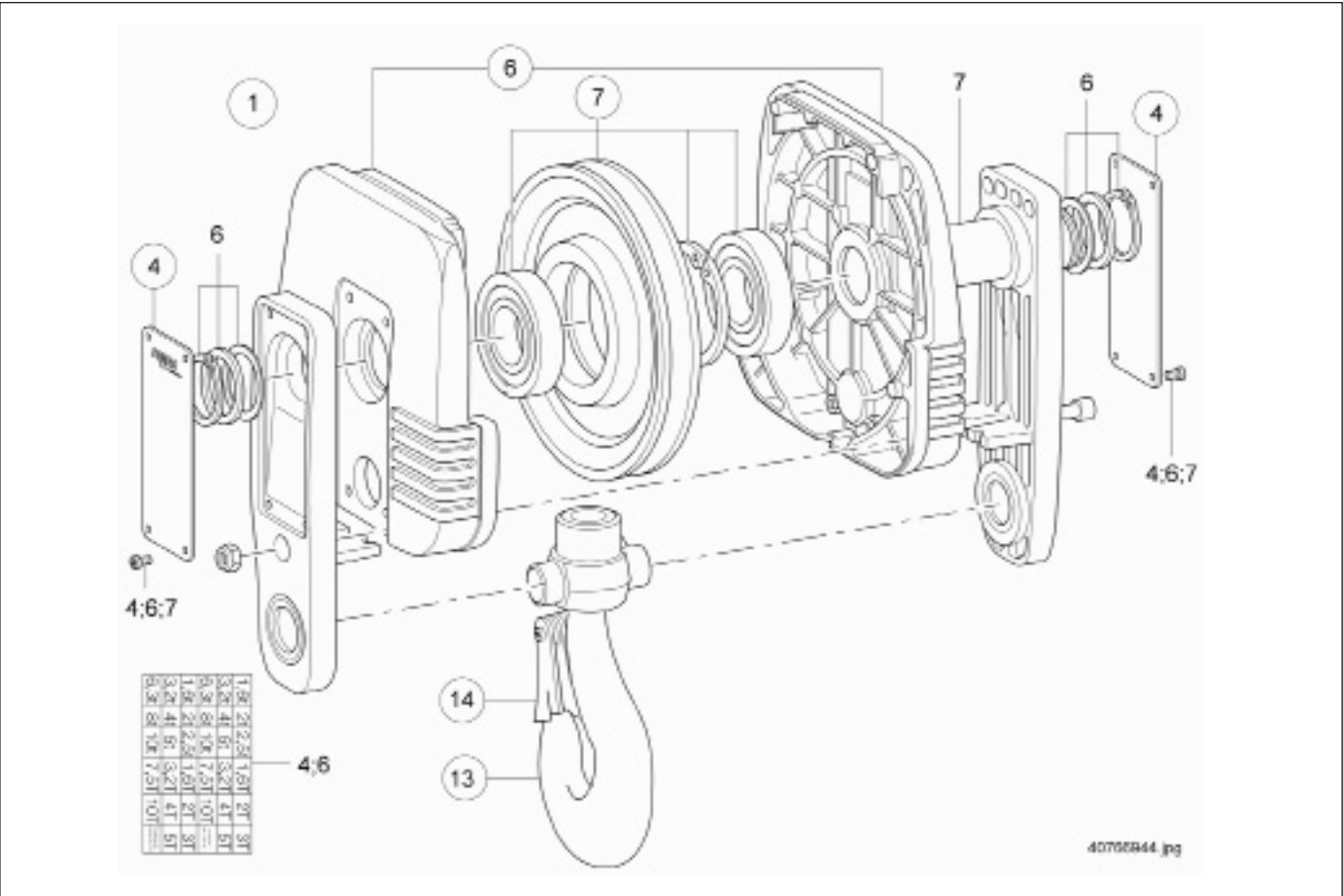
Hook with fittings
DH 210, 208
1/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	59351033	1	Hook fittings 1/1	c/w items 5, 11	
5	59352533	1	Single load hook size 15	c/w item 9	
9	34182433	1	Hook safety catch 1		
11	71392133	1	Capacity plate set 1/1		

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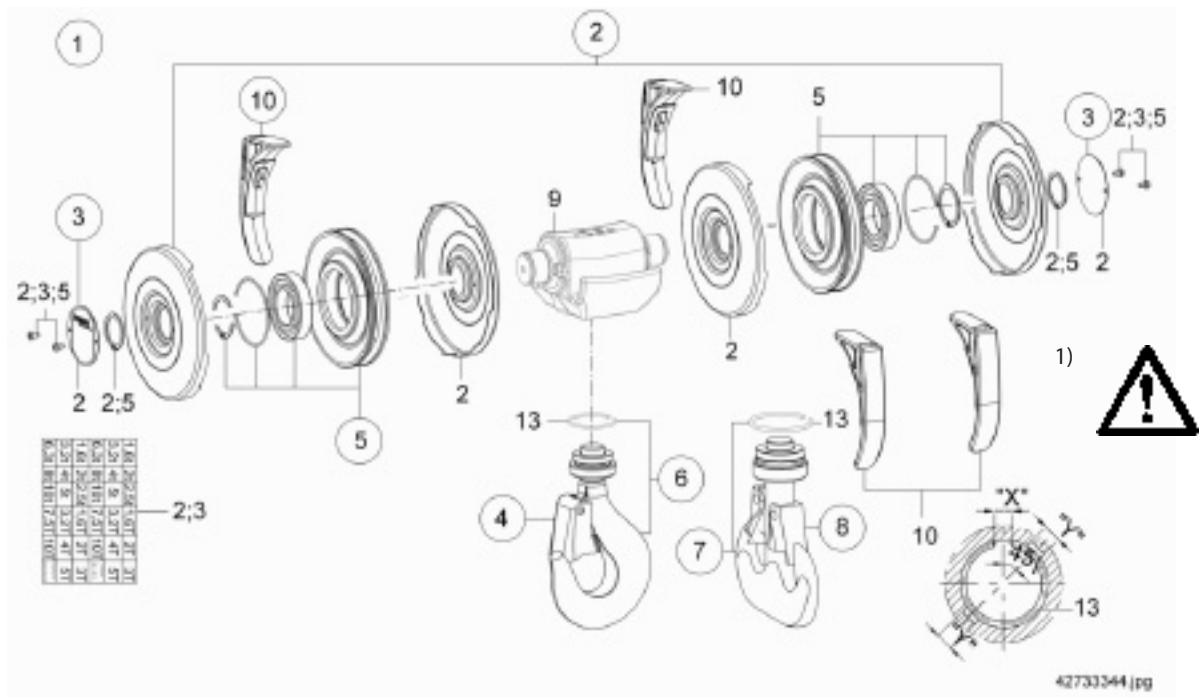
160/9.5 bottom block
DH 200
2/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82910033	1	Single-sheave bottom block 160/ 9	c/w items 4, 6, 7, 13,14	
6	70198033	1	Rope sheave cover set 2/1	c/w item 4	
7	70185233	1	Rope sheave set DR 3 2/1	DH 200	
13	82975033	1	Single hook with cross beam size 1S	c/w item 14	
14	34182433	1	Hook safety catch 1		
20	71390033	1	Capacity plate set		

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180/9 bottom block
DH 200
4/1 reeving

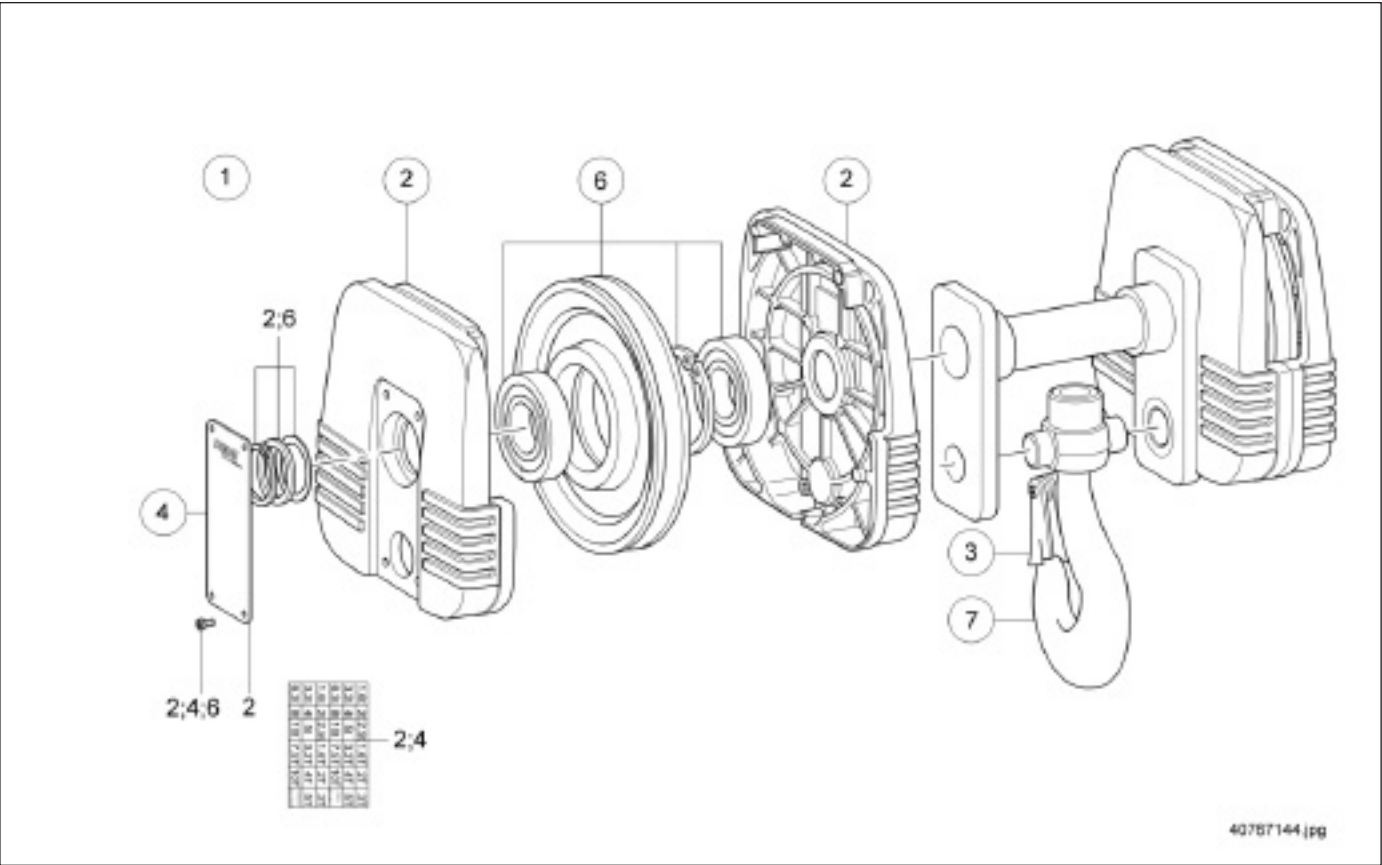


Item no.	Part no.	Quantity	Designation	Material	Standard
1	71313033	1	Bottom block 2-sheaves 180/ 9 set	c/w items 2, 5, 6, 7	
2	70398133	1	Rope sheave cover set 4/1	c/w items 3, 10	
3	71389033	1	Capacity plate set		
4	34182633	1	Hook safety catch set 2.5		DIN 15106
5	71302733	1	Rope sheave set 180/ 9 4/1		
6	70398433	1	Load hook set RSN 2.5	c/w item 4 1)	
7	71293033	1	Double load hook set RSN 2.5T	c/w item 8 1)	
8	34187433	1	Double hook safety catch Set		
10	71304533	1	Rope sheave cover set 180		

21770528.tbl

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).

160/6.5 bottom block
DH 200
4/2 reeving - H16

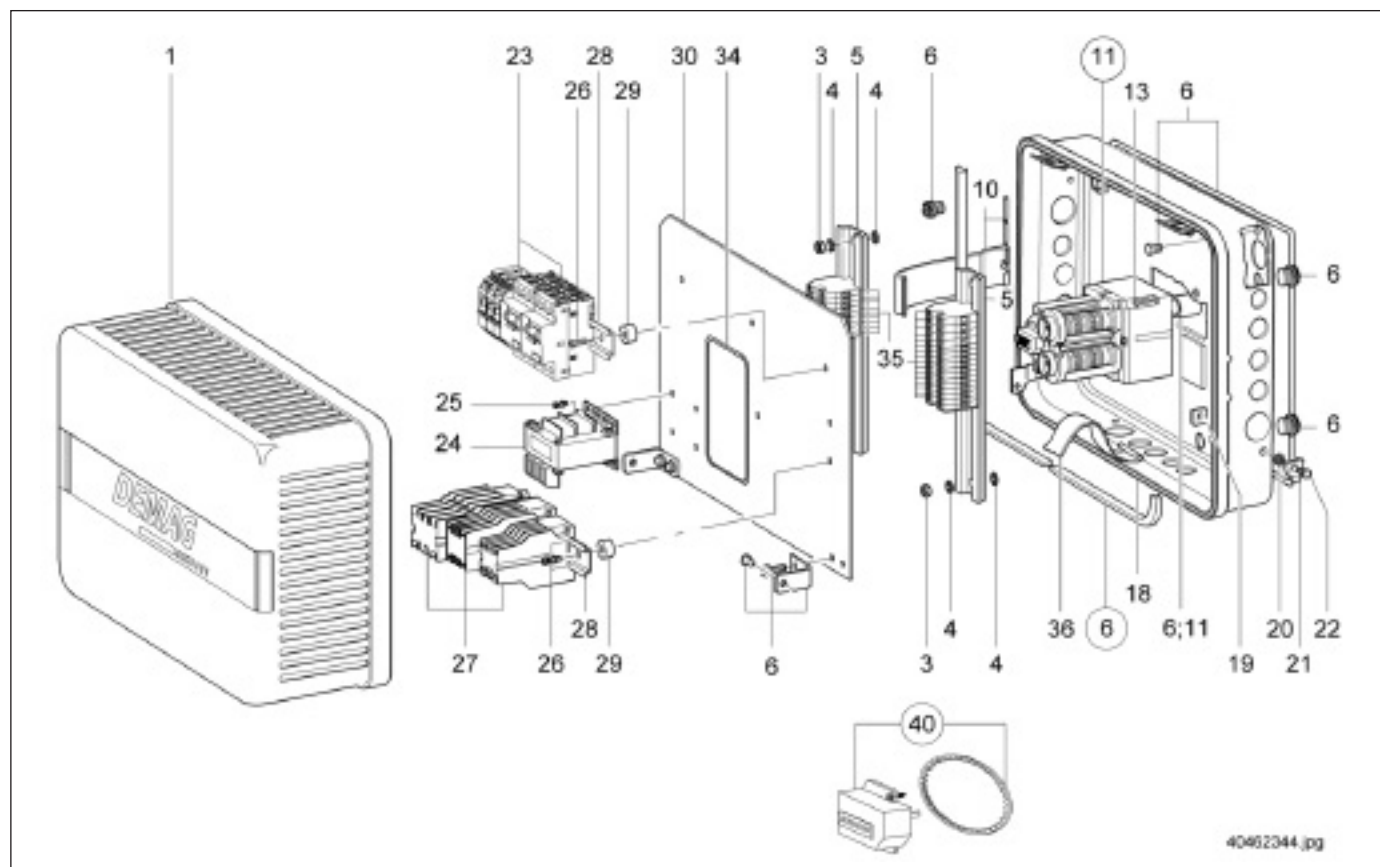


Item no.	Part no.	Quantity	Designation	Material	Standard
1	82920033	1	Bottom block 2-sheaves 160/6.5 set	c/w items 2, 4, 6, 7	
2	70398233	1	Rope sheave cover set 4/2	c/w item 4	
3	34182433	1	Hook safety catch 1		
4	71390033	1	Capacity plate set		
6	82901633	1	Rope sheave set 160/ 6.5		
7	82975033	1	Single hook with cross beam size 15	c/w item 3	

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Electrical components

Contactor control



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82156544	1	Cover DH 160/ 200		
3	33757199	4	Hex. nut M 6	8 A2F	ISO 4032
4	34368699	8	Serrated lock washer I 6.4	A2F	DIN 6798
5	89468144	2	Supporting rail 35 / 7.5 X 245M		
6	82109533	1	Mounting parts set DH 160/200		
10	36051946	2	Spring retainer, short		
11	87520033	1	Geared limit switch set DGS 3 -142		
11	87520133	1	Geared limit switch set DGS 4 -142		
13	53696384	2	Socket head screw M 5 X 25		
18	82155444	1	Enclosure, lower part DH 160/ 200		
19	98115244	1	Square nut M 6 X 20 X 5		
20	34087544	1	Washer 6 X 10 X 2.5		
21	50441944	1	Strainer terminal		
22	30763899	1	Hex. head screw M 6 X 16	8.8 A2F	ISO 4017
23			Line protection unit		
24			Transformer		
25	31892599		Pan head screw M 4 X 8 Z3	4.8 A2F	DIN 84
26	31895899		Pan head screw M 5 X 22Z4-1	4.8 A2F	DIN 84
27			Contacteur		
28			Supporting rail		
29	89487444		Washer 6.3 X 20 X 10		
30			Mounting plate		
32	37438099	2	Tubular rivet B6 X 1 X 8		DIN 7340
34	89502444	1m	Edge cover 1.5		
35			Modular terminal		
36	36030246	1	Hinge profile DH300/500		
40	87530244	1	Service pack counter DGS		

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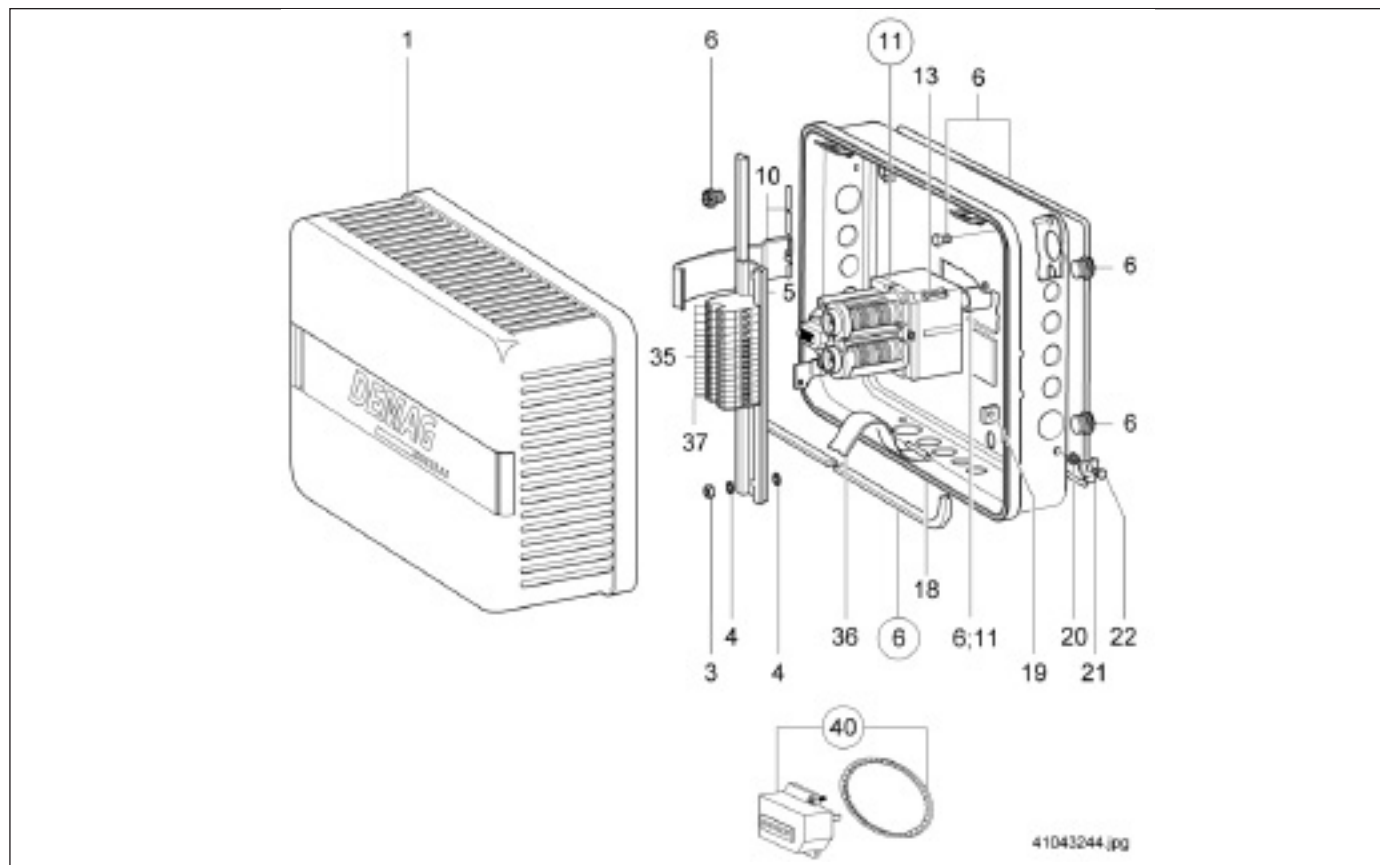
1) Only for control from the trolley.

2) Items 23 - 30, 35 depending on the application.

24 3) Secure with Loctite 290. Part no. 007 275 84.

Electrical components

Direct control



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82156544	1	Cover DH 160/ 200		
3	33757199	2	Hexagonal nut M 6	8 A2F	ISO 4032
4	34368699	4	Serrated lock washer I 6.4	A2F	DIN 6798
5	89468144	1	Supporting rail 35 / 7.5 X 245M		
6	82109533	1	Mounting parts set DH 160/200		
10	36051946	1	Spring retainer, short		
11	87533044	1	Geared limit switch DGS 3D-142		
11	87533144	1	Geared limit switch DGS 4D-142		
13	53696384	2	Socket head screw M 5 X 25	4)	
18	82155444	1	Enclosure, lower part DH 160/ 200		
19	98115244	1	Square nut M 6 X 20 X 5		
20	34087544	1	Washer 6 X 10 X 2.5	1)	
21	50441944	1	Strainer terminal	1)	
22	30763899	1	Hex. head screw M 6 X 16	1)	8.8 A2F ISO 4017
35	19812546	1	Terminal strip direct control DH200	HF, 2)	
35	19812646	1	Terminal strip direct control DH200	HF+KA 1:1 2)	
35	19812746	1	Terminal strip direct control DH200	HF+KA 1:4 2)	
35	19811046	1	Terminal strip direct control DH200	HF, 3)	
35	19811146	1	Terminal strip direct control DH200	HF+KA 1:1 3)	
35	19811246	1	Terminal strip direct control DH200	HF+KA 1:4 3)	
36	36030246	1	Hinge profile DH300/500		
37	19816746	1	Line DGS3D		
40	87530244	1	Service pack counter DGS		

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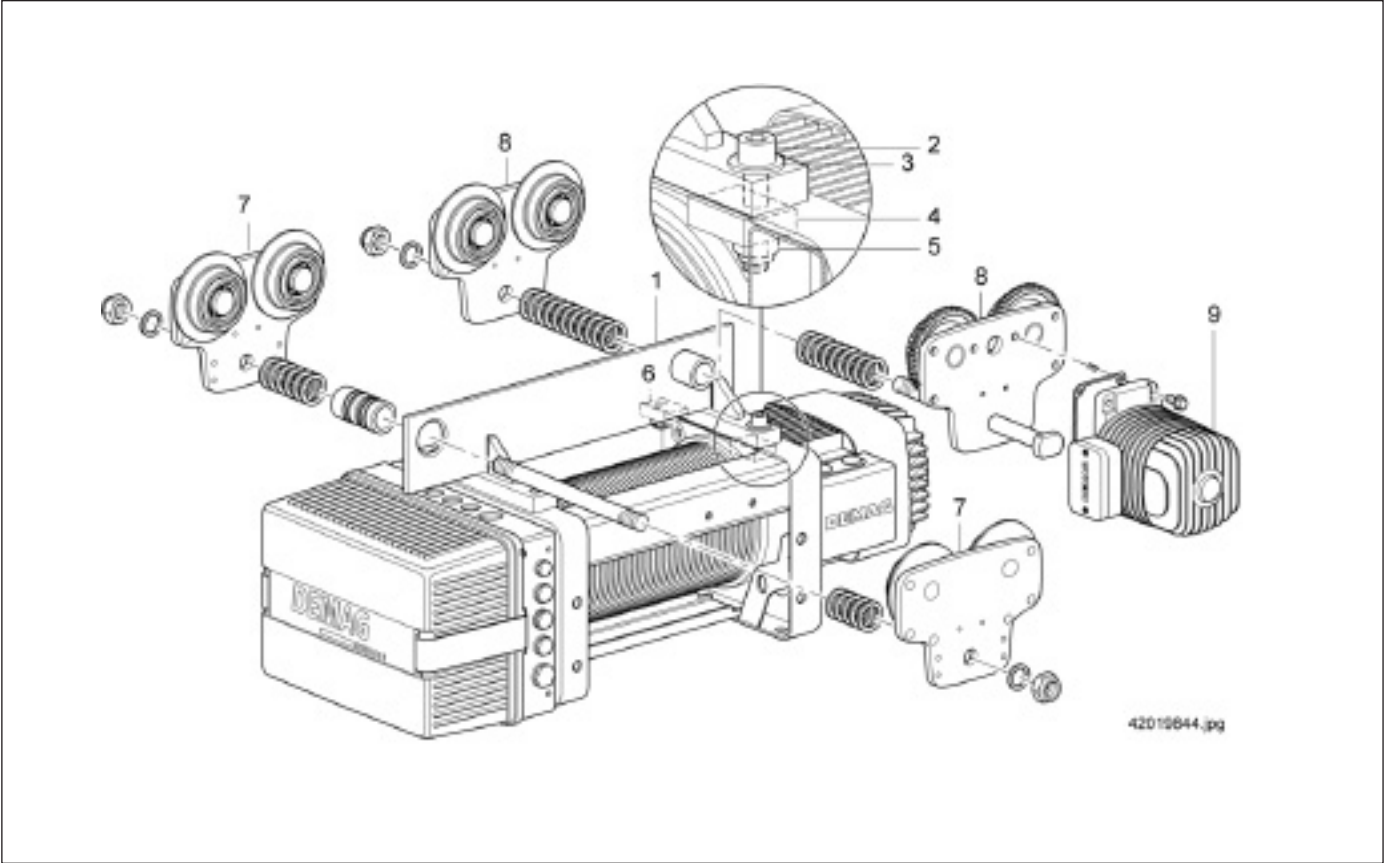
1) Only for control from the trolley.
2) Without crane switch.
3) With crane switch.
4) Secure with Loctite 290. Part no. 007 275 84.

EUDH 200 standard-headroom monorail trolley

Trolley size 3.2

2/1 reeving - H10

2/1 and 4/2 reeving - H16



Item no.	Part no.	Quantity	Designation		Material	Standard
1	83136044	1	Trolley frame UDH size 3.2	H 10, 2/1		
1	83136244	1	Trolley frame UDH size 3.2	H 16, 2/1, 4/2		
2	31930099	4	Socket head screw M16 X 75		10.9	ISO- 4762
3	34042599	4	Washer 17 X 27 X 2,5		A2F	DIN- 433
4	83007044	2	Flat bar 45 X 25 X 60 left			
5	33461199	4	Lock nut M16			ISO 7042
6	83007144	2	Flat bar 45 X 25 X 60 right			
7			Trolley RU 22DK	see page 27		
8			Trolley EU 22DK	see page 28		
9			Mot.13/6 PF for trolley size 3.2	see page 30		

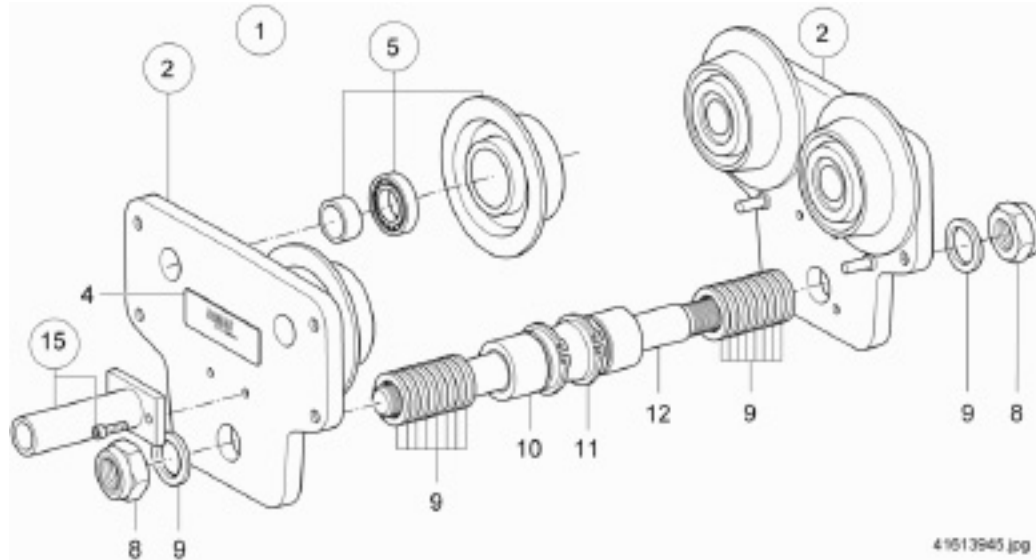
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EUDH 200 standard-headroom monorail trolley

Trolley size 3.2

Trolley RU 22 DK

2/1 reeving-H10 and 2/1 - 4/2 - H16



Item no.	Part no.	Quantity	Designation	Material	Standard
1	84011344	1	Trolley, universal wheels w/o crossbar RU22 c/w item 2		
2	84011644	2	Side plate, universal wheels, plain	c/w items 4, 5	
4	83964744	1	Capacity plate		
5	84016033	1	Travel wheel set, universal 112 plain		
8	33468799	2	Hex. nut M30 X 2	8 A2F	DIN 985
9	50222044	21	Washer 35.5 X 50 X 4	Fl.W. 82 - 98 mm (3.22 - 3.86 in), H10, 2/1 - H16, 2/1, 4/2	
9	50222044	18	Washer 35.5 X 50 X 4	Fl.W. 106 - 143 mm (4.17 - 5.63 in), H10, 2/1 - H16, 2/1, 4/2	
9	50222044	32	Washer 35.5 X 50 X 4	Fl.W. 144 - 163 mm (5.67 - 6.42 in), H10, 2/1 - H16, 2/1, 4/2	
9	50222044	16	Washer 35.5 X 50 X 4	Fl.W. 170 - 200 mm (6.69 - 7.87 in), H10, 2/1 - H16, 2/1, 4/2	
9	50222044	41	Washer 35.5 X 50 X 4	Fl.W. 201 - 220 mm (7.91 - 8.66 in), H10, 2/1 - H16, 2/1, 4/2	
9	50222044	27	Washer 35.5 X 50 X 4	Fl.W. 240 - 300 mm (9.44 - 11.81 in), H10, 2/1 - H16, 2/1, 4/2	
10	83957544	1	Spacer 51 X 7.1 X 97	Fl.W. 82 - 98 mm (3.22 - 3.86 in), H10, 2/1 - H16, 2/1, 4/2	
10	83955044	1	Spacer 51 X 7.1 X 109	Fl.W. 106 - 143 mm (4.17 - 5.63 in), H10, 2/1 - H16, 2/1, 4/2	
10	83955144	1	Spacer 51 X 7.1 X 174	Fl.W. 170 - 220 mm (6.69 - 8.66 in), H10, 2/1 - H16, 2/1, 4/2	
10	83955244	1	Spacer 51 X 7.1 X 230	Fl.W. 240 - 300 mm (9.44 - 11.81 in), H10, 2/1 - H16, 2/1, 4/2	
11	34244299	2	Retaining ring 52 X 3		DIN 471
12	83955344	1	Crossbar RU22	Fl.W. 82 - 143 mm (3.22 - 5.63 in), H10, 2/1 - H16, 2/1, 4/2	
12	83955444	1	Crossbar RU22	Fl.W. 144 - 200 mm (5.67 - 7.87 in), H10, 2/1 - H16, 2/1, 4/2	
12	83955544	1	Crossbar RU22	Fl.W. 201 - 300 mm (7.91 - 11.81 in), H10, 2/1 - H16, 2/1, 4/2	
15	83973733	1	Current collector set 400		

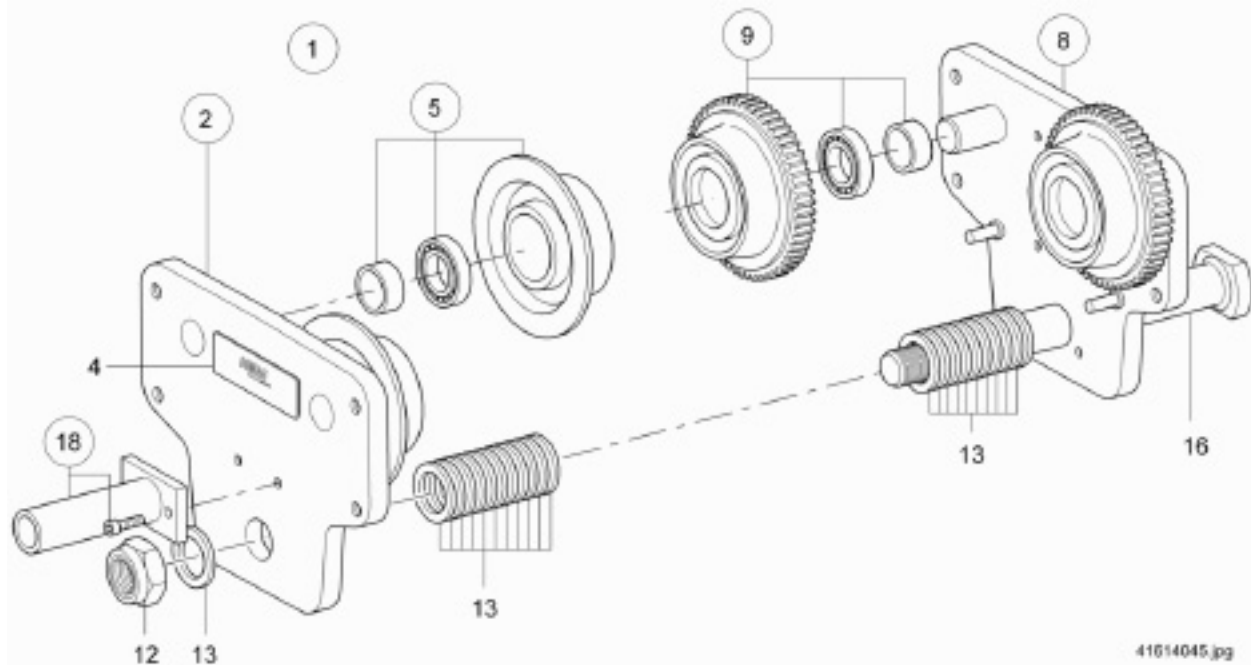
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EUDH 200 standard-headroom monorail trolley

Trolley size 3.2

Trolley EU 22 DK

2/1 reeving - H10 and 2/1 - 4/2 - H16

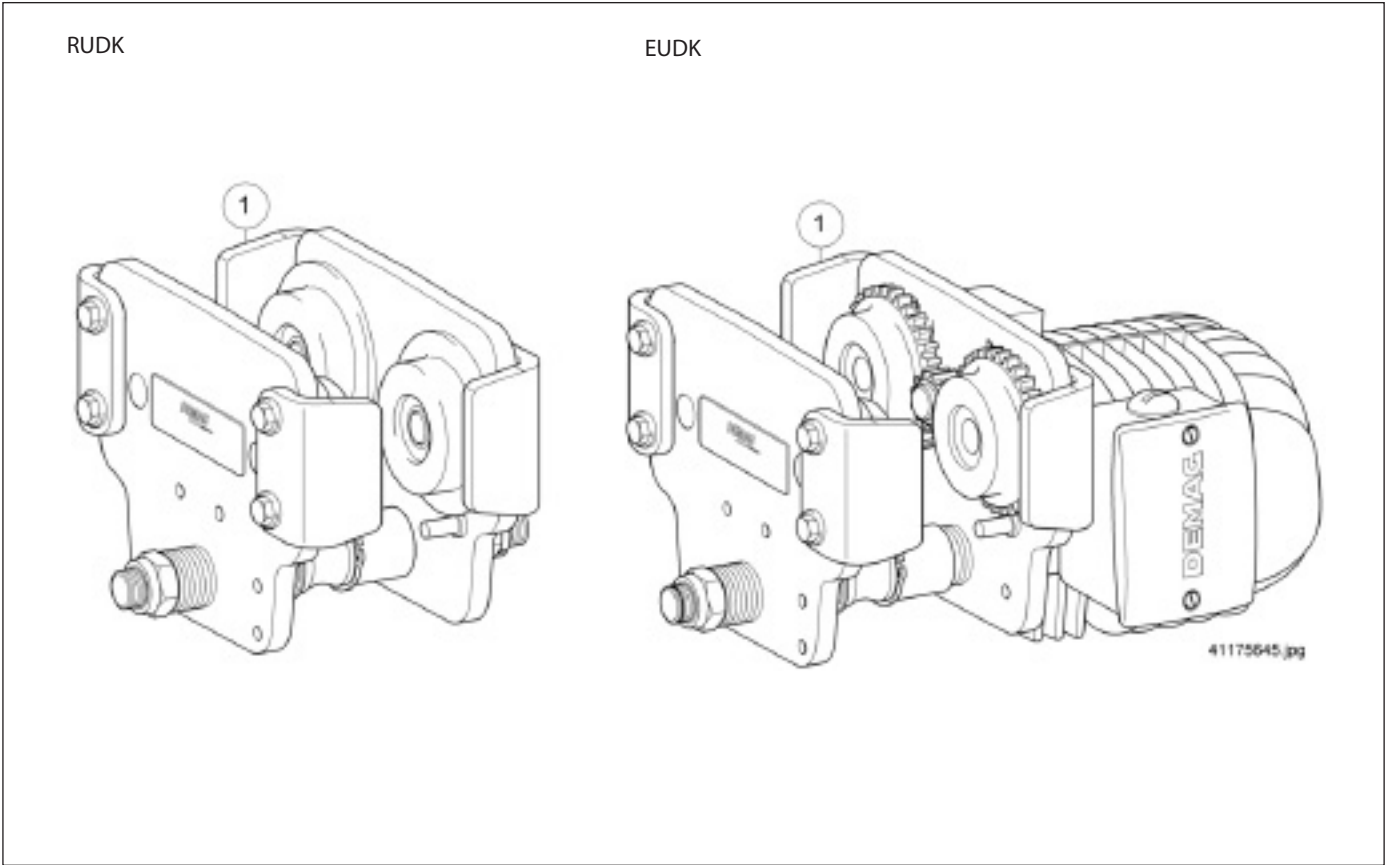


Item no.	Part no.	Quantity	Designation	Material	Standard
1	84011444	1	Trolley, universal wheels w/o crossbar EU22 c/w items 2, 8		
2	84011644	1	Side plate, universal wheels, plain c/w items 4, 5		
4	83964744	1	Capacity plate		
5	84016033	1	Travel wheel set, universal 112 plain		
8	84011744	1	Side plate, universal wheels, geared c/w item 9		
9	84017033	1	Travel wheel set, universal 112 geared c/w items 10, 11		
10	36822699	1	Grooved ball bearing 6206 2Z		DIN 625
11	84017344	1	Bushing 30.2 X 38 X 23.2		
12	33468799	1	Hex. nut M30 X 2	8 A2F	DIN 985
13	50222044	22	Washer 35.5 X 50 X 4	Fl.W. 82 - 143 mm (3.22 - 5.63 in), H10, 2/1 - H16, 2/1, 4/2	
13	50222044	36	Washer 35.5 X 50 X 4	Fl.W. 144 - 200 mm (5.67 - 7.87 in), H10, 2/1 - H16, 2/1, 4/2	
13	50222044	61	Washer 35.5 X 50 X 4	Fl.W. 201 - 300 mm (7.91 - 11.81 in), H10, 2/1 - H16, 2/1, 4/2	
16	83907744	1	Crossbar EU 22	Fl.W. 82 - 143 mm (3.22 - 5.63 in), H10, 2/1 - H16, 2/1, 4/2	
16	83908144	1	Crossbar EU 22	Fl.W. 144 - 200 mm (5.67 - 7.87 in), H10, 2/1 - H16, 2/1, 4/2	
16	83908544	1	Crossbar EU 22	Fl.W. 201 - 300 mm (7.91 - 11.81 in), H10, 2/1 - H16, 2/1, 4/2	
18	83973733	1	Current collector set 400		

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EUDH 200 standard-headroom monorail trolley

Drop stop fittings RU/EU 22 DK



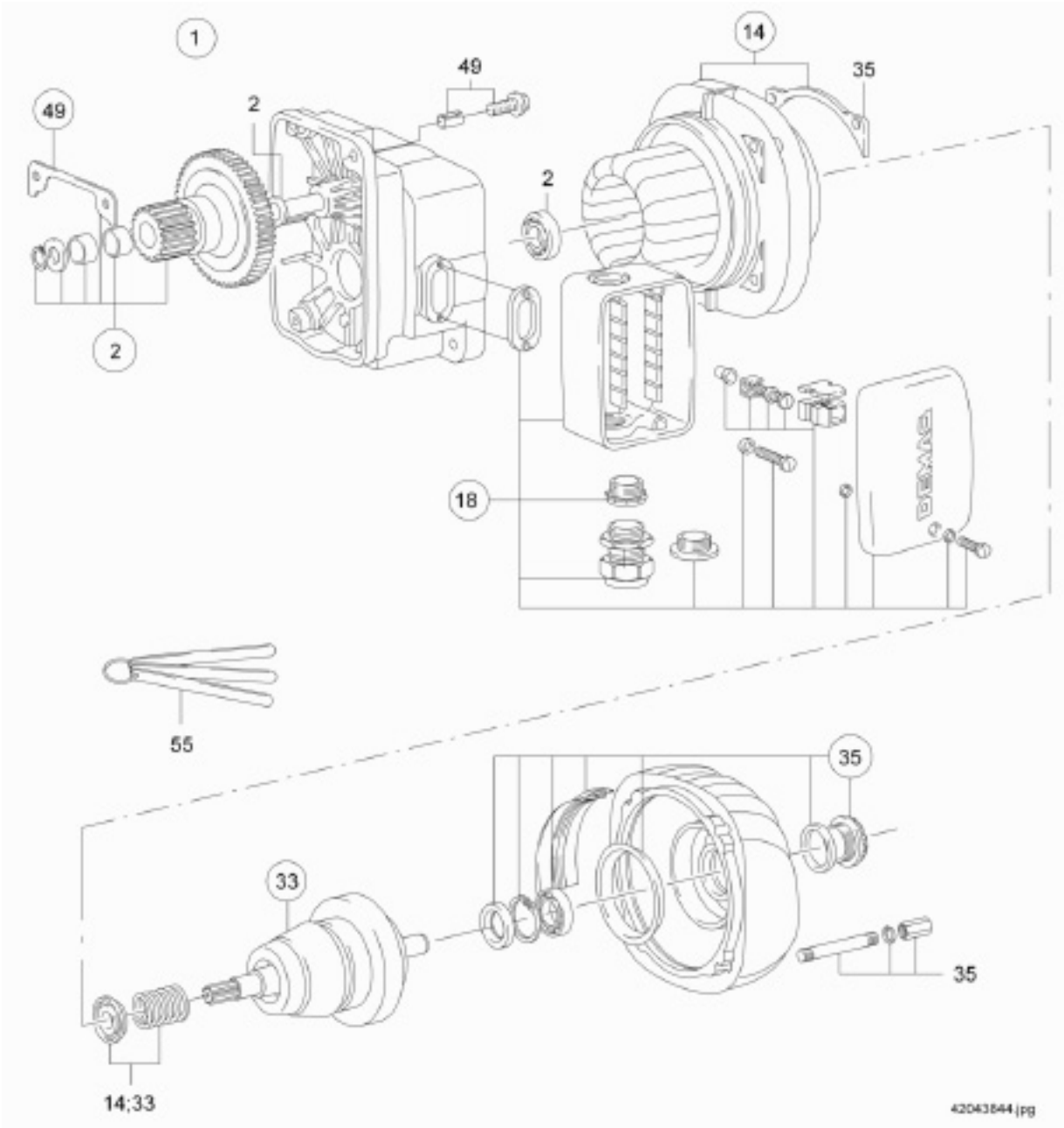
Item no.	Part no.	Quantity	Designation	Material	Standard
1	83969844	1	Drop stop set size 22		

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EUDH 200 standard-headroom monorail trolley

Trolley size 3.2

Travel drive with 13/6 PF motor



EUDH 200 standard-headroom monorail trolley

Trolley size 3.2

Travel drive with 13/6 PF motor

Item no.	Part no.	Quantity	Designation	Material	Standard
			Travel speed 7 m/min (28 ft/min)		
1	2)	1	Motor 13/6PKF 8		
			Travel speed 14 m/min (56 ft/min)		
1	2)	1	Motor PKF4		
			Travel speed 28 m/min (112 ft/min)		
1	2)	1	Motor PKF2		
			Travel speed 4.6/14 m/min (18.4/56 ft/min)		
1	2)	1	Motor 13/6PKF AB		
			Travel speed 7/28 m/min (28/112 ft/min)		
1	2)	1	Motor 13/6PKF8-2AB		
2	56307133	1	End shield set PKF-M5		
14	2)	1	Stator set F13/6 PF2		1)
14	2)	1	Stator set F13/6 PF4AB		1)
14	2)	1	Stator set F13/6 PF8		1)
14	2)	1	Stator set F13/6PF12		1)
18	56369233	1	Terminal box set PKF		
33	56304733	1	Rotor set 13/6 PF 8-2		1) 3)
33	56304833	1	Rotor set 13/6PF8-2 BS		1)
35	56305533	1	End shield set B 13/6		
49	58136933	1	Seal set PKF13/3+6		
55	10015084	3	Feeler gauge set		1)
	01105844	1	Grease KPF2K-30 DG67B		

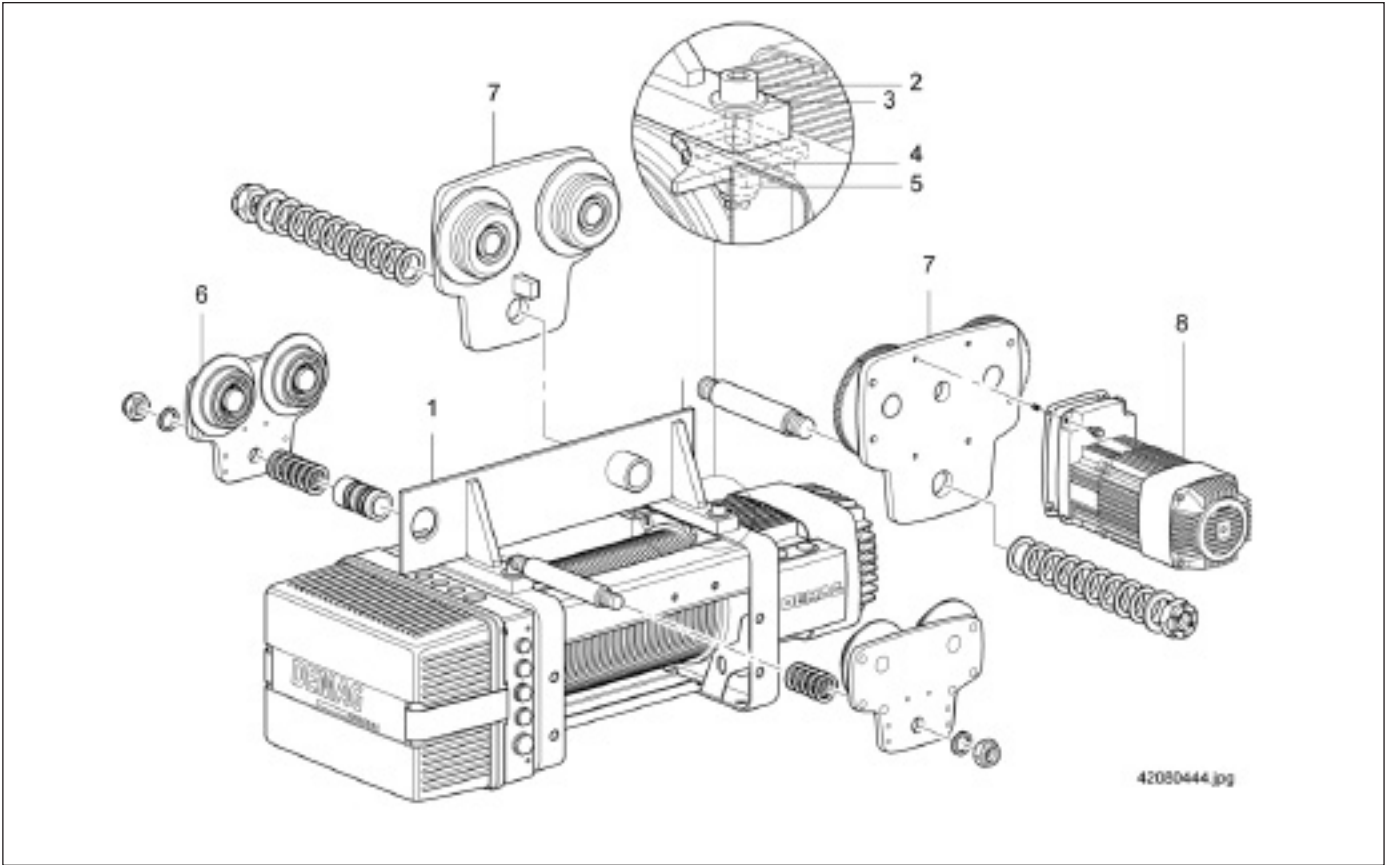
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1) A feeler gauge set (item no. 55) must also be ordered for adjustment of the air gap.
 2) On request
 3) For service in arduous conditions.

EUDH 200 standard-headroom monorail trolley

Trolley size 5

4/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	83125344	1	Trolley frame UDH 200-H10		
1	83125444	1	Trolley frame UDH 200-H16		
2	31930099	4	Socket head screw M16 X 75	10.9	ISO- 4762
3	34042599	4	Washer 17 X 27 X 2.5	A2F	DIN- 433
4	83006944	4	Flat bar 40 X 20 X 60 hole		
5	33461199	4	Lock nut M16	10	ISO 7042
6			Travel unit RU 22 DK		see page 33
7			Trolley EU 55 DK		see page 34
8			Motor KMF 80 for trolley size 5		see page 36

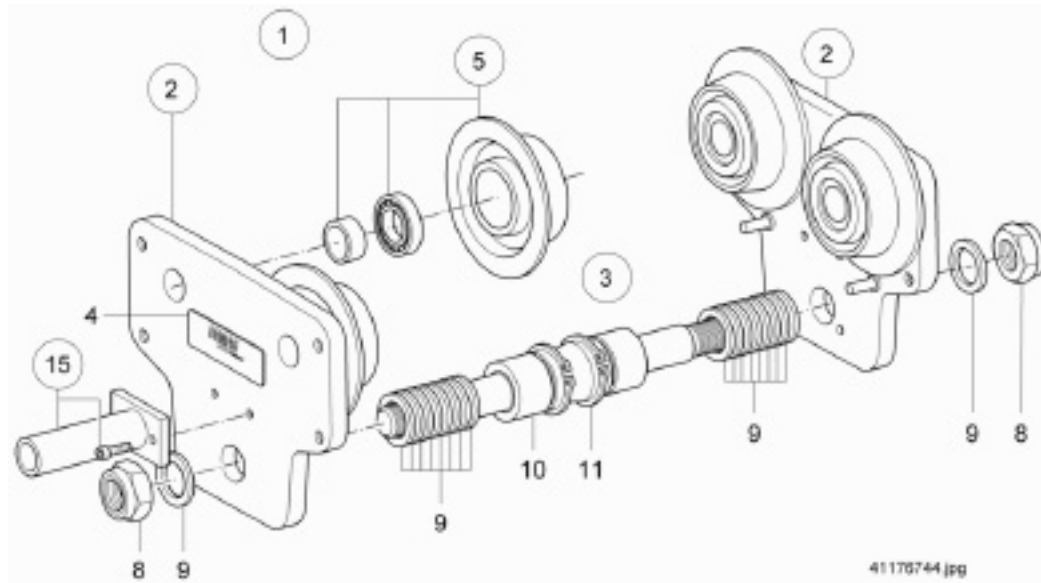
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EUDH 200 standard-headroom monorail trolley

Trolley size 5

Trolley RU 22 DK

4/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	84011344	1	Trolley, universal wheels w/o crossbar RU22 c/w item 2		
2	84011644	2	Side plate, univesal wheels, plain	c/w items 4, 5	
3	83955644	1	Crossbar set RU22	Fl.W. 82 - 143 mm (3.22 - 5.63 in)	c/w items 8 - 11
3	83955744	1	Crossbar set RU22	Fl.W. 144 - 200 mm (5.67 - 7.87 in)	c/w items 8 - 11
3	83955844	1	Crossbar set RU22	Fl.W. 201 - 300 mm (7.91 - 11.81 in)	c/w items 8 - 11
4	83964744	1	Capacity plate		
5	84016033	1	Travel wheel set, universal 112 plain		
8	33468799	2	Hex. nut M30 X2	MA= 160 Nm (120 lb/ft)	8 A2F DIN 985
9	50222044	18	Washer 35,5X 50 X 4	Fl. W. 106 - 143 mm (4.17 - 5.63 in)	
9	50222044	16	Washer 35,5X 50 X 4	Fl. W. 144 - 200 mm (5.67 - 7.87 in)	
9	50222044	27	Washer 35,5X 50 X 4	Fl. W. 201 - 300 mm (7.91 - 11.81 in)	
10	83955044	1	Spacer 51 X 7.1 X 109	Fl. W. 106 - 143 mm (4.17 - 5.63 in)	
10	83955144	1	Spacer 51 X 7.1 X 174	Fl. W. 144 - 200 mm (5.67 - 7.87 in)	
10	83955244	1	Spacer 51 X 7.1 X 230	Fl. W. 201 - 300 mm (7.91 - 11.81 in)	
11	34244299	2	Retaining ring 52 X 3		DIN 471
15	83973733	1	Current collector set 400		

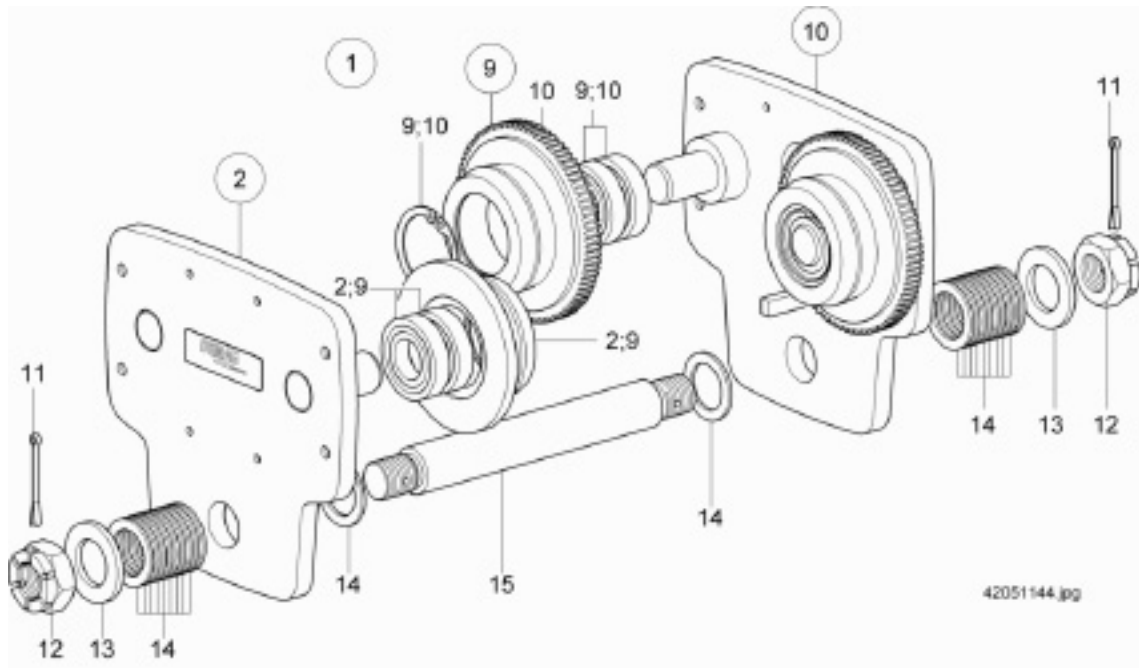
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EUDH 200 standard-headroom monorail trolley

Trolley size 5

Trolley EU 55 DK

4/1 reeving

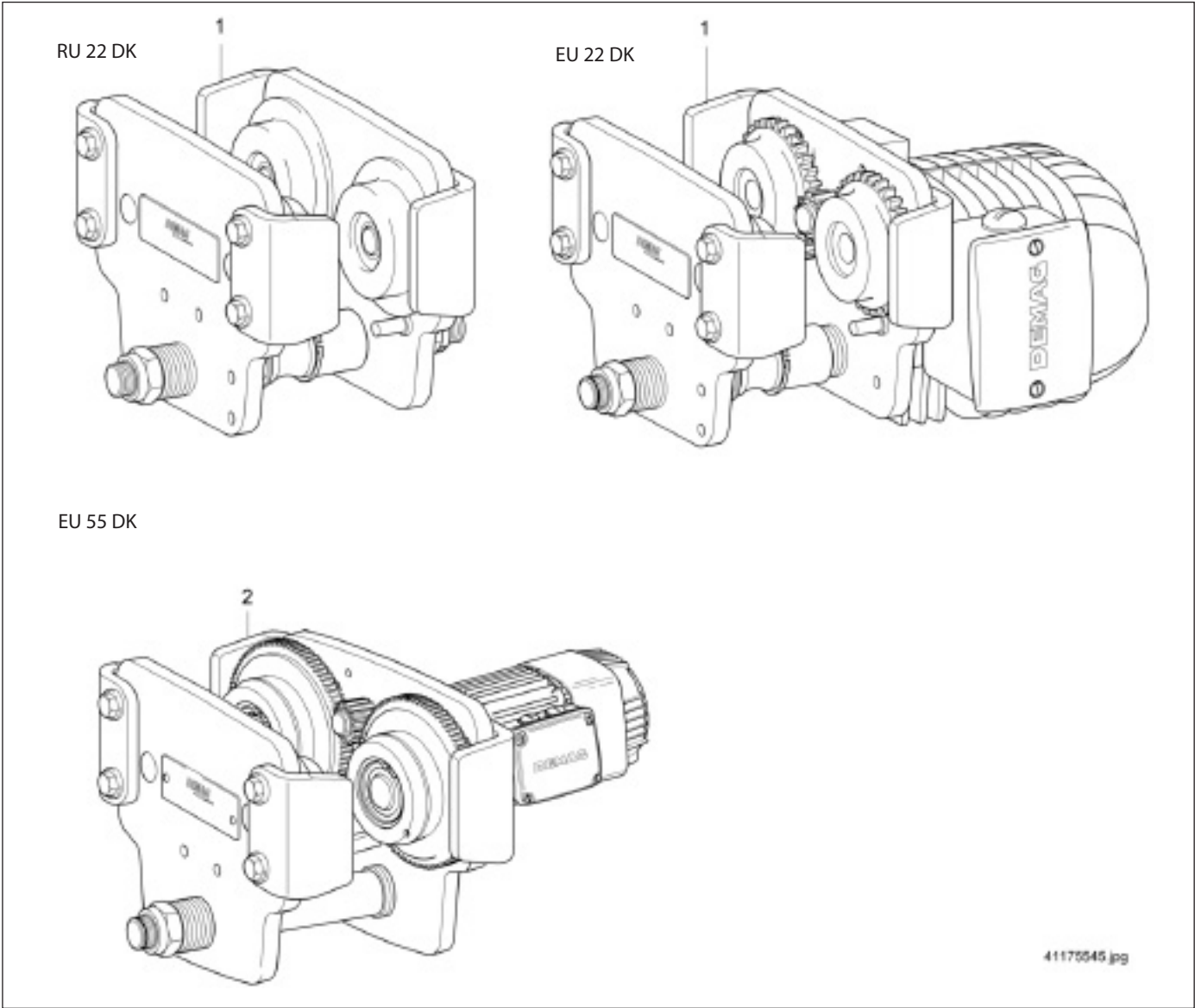


Item no.	Part no.	Quantity	Designation	Material	Standard
1	83979444	1	Trolley, universal wheels w/o crossbar EU55 c/w items 2, 10		
2	83969044	1	Side plate, universal wheels, plain RU55DK		
9	83055333	1	Travel wheel set, universal		
10	83979044	1	Side plate, universal wheels, geared EU55-KMF80		
11	34210599	2	Split pin 6.3 X 63		DIN 94
12	33573899	2	Castle nut M36	MA= 160 Nm (120 lb/ft)	DIN 979
13	34002899	2	Washer 45 X 78 X 7		DIN 126
14	52222044	51	Washer 45.5X 65 X 4		
15	83957344	1	Crossbar RU-EU55	Fl. W. 106 - 185 mm (4.17 - 7.28 in)	
15	83957444	1	Crossbar RU-EU55	Fl. W. 200 - 300 mm (7.87 -11.81 in)	

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EUDH 200 standard-headroom monorail trolley

Drop stop fittings RU/EU 22 DK and EU 55 DK



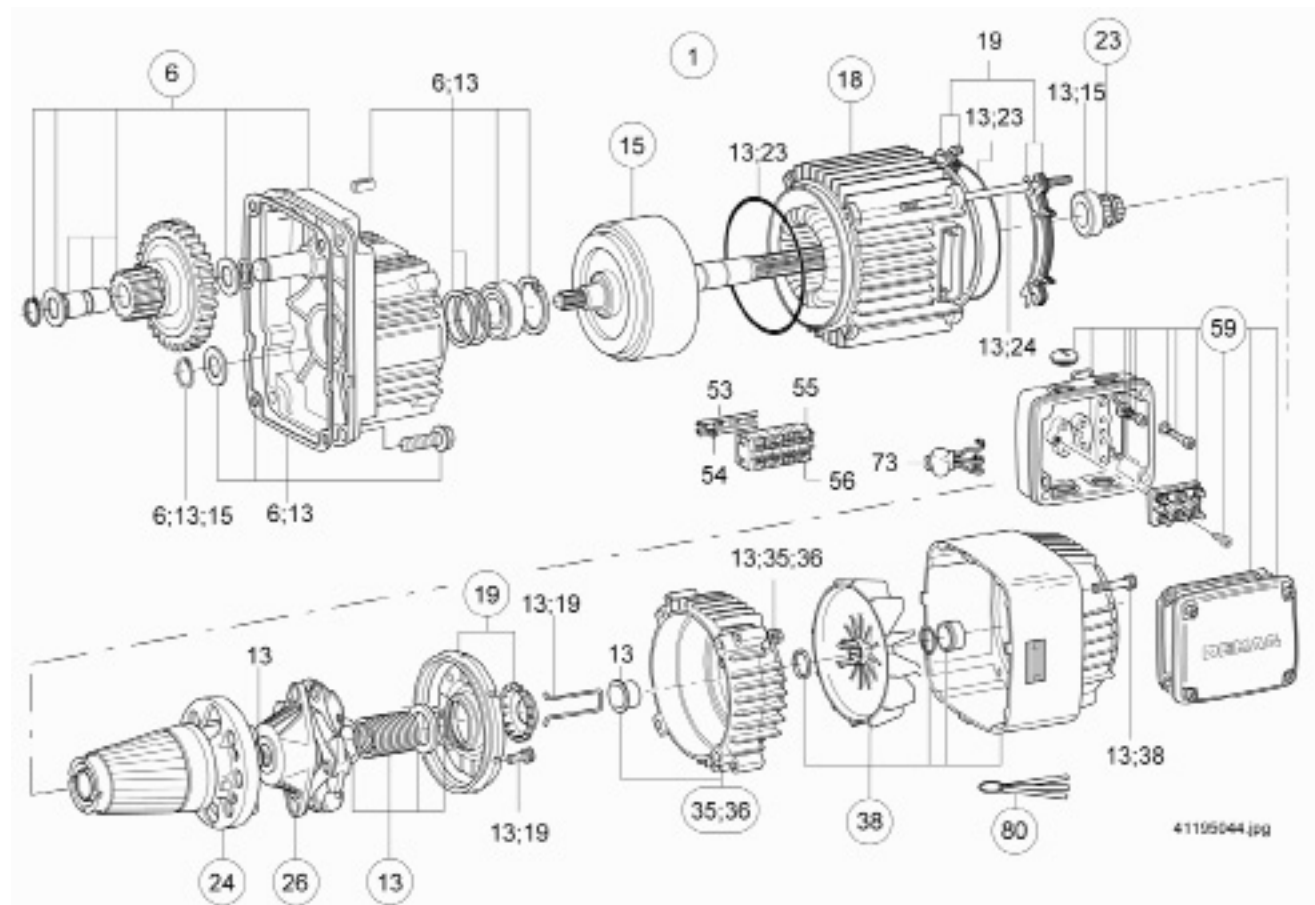
Item no.	Part no.	Quantity	Designation	Material	Standard
1	83969844	1	Drop stop set size 22		
2	83969944	1	Drop stop set size 55		

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EUDH 200 standard-headroom monorail trolley

Trolley size 5

Travel drive with KMF 80 A4 - KMF 80 A8/2 motor



EUDH 200 standard-headroom monorail trolley

Trolley size 5

Travel drive with KMF 80 A4 - KMF 80 A8/2 motor

Item no.	Part no.	Quantity	Designation	Material	Standard
1	4)	1	Travel speed 12.5 m/min (50 ft/min) Motor KMF 80A4 EKDH size 4 1)		
1	4)	1	Travel speed 6.3/25 m/min (25/100 ft/min) Motor KMF 80A8/2 EKDH size 4 1)		
6	83916633	1	End shield set KMF80		
13	12880433	1	Small parts set KMF 80A4		
13	12880333	1	Small parts set KMF 80A8/2		
15	13331933	1	Shaft gearbox KMF80A - T14		
18	4)	1	Stator KMF 80A 4 AB 2)		
18	4)	1	Stator set KMF 80A 2)		
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, brake side KM 80		
36	13363133	1	End shield set, brake side KM 80 3)		
38	13382033	1	Cover and fan set		
53	14986284	1	Terminal mounting rail 15 / 5.5 X 90M <= 15 A		
54	32052899	2	Socket head screw M 4 X 8 <= 15 A	10.9 A2F	ISO 4762
55	89541944	2	End section TS15 <= 15 A		
56	03495684	1	Terminal block module KM <= 15 A, 6 Terminals, 2 speeds		
56	03495784	1	Terminal block module KM <= 15 A, 3 Terminals, 1 speed		
59	03612833	1	Terminal box set KB 71-90		
73	13387084	1	VDR resistor <= 400V only for 8/2-pole		
80	10040984	3	Feeler gauge set 2)		

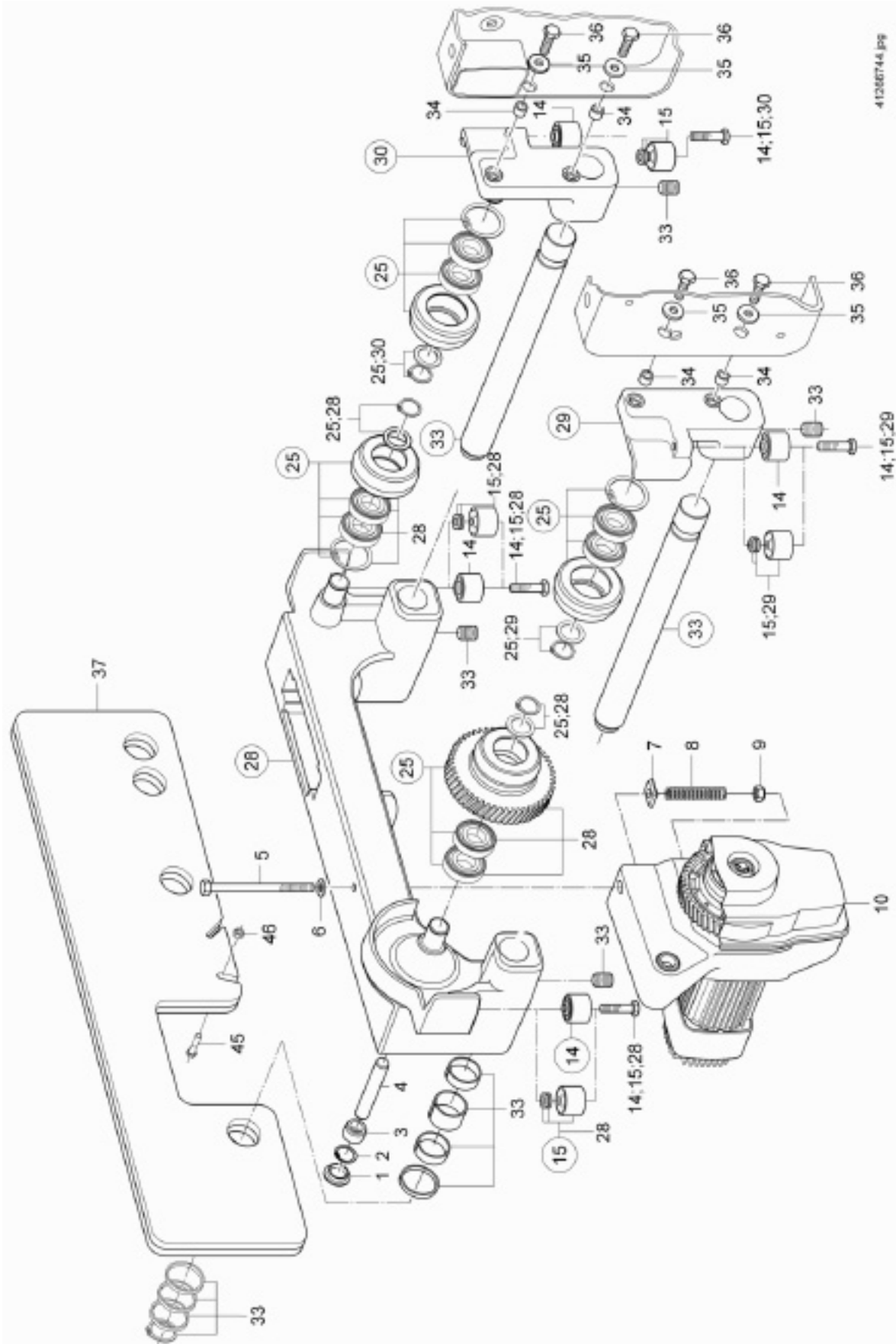
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- 1) The gearbox is lubricated with grease (approx. 60 g (2.1 oz) DG 67 B). Part no. 011 058 44 (60 g (2.1 oz))
This lubrication is sufficient for approx. Two years at normal operation and must be repeated after this time.
- 2) When ordering a rotor or stator, a set of thrust rings (item no. 23) must also be ordered for adjusting the air gap
(adjust with feeler gauge no. 2, item no. 80)
- 3) For service in arduous conditions, chromium-plated brake surface.
- 4) On request

EKDH 200 low-headroom monorail hoist

Trolley size 3.2

2/1 reeving - H10



EKDH 200 low-headroom monorail hoist

Trolley size 3.2

2/1 reeving - H10

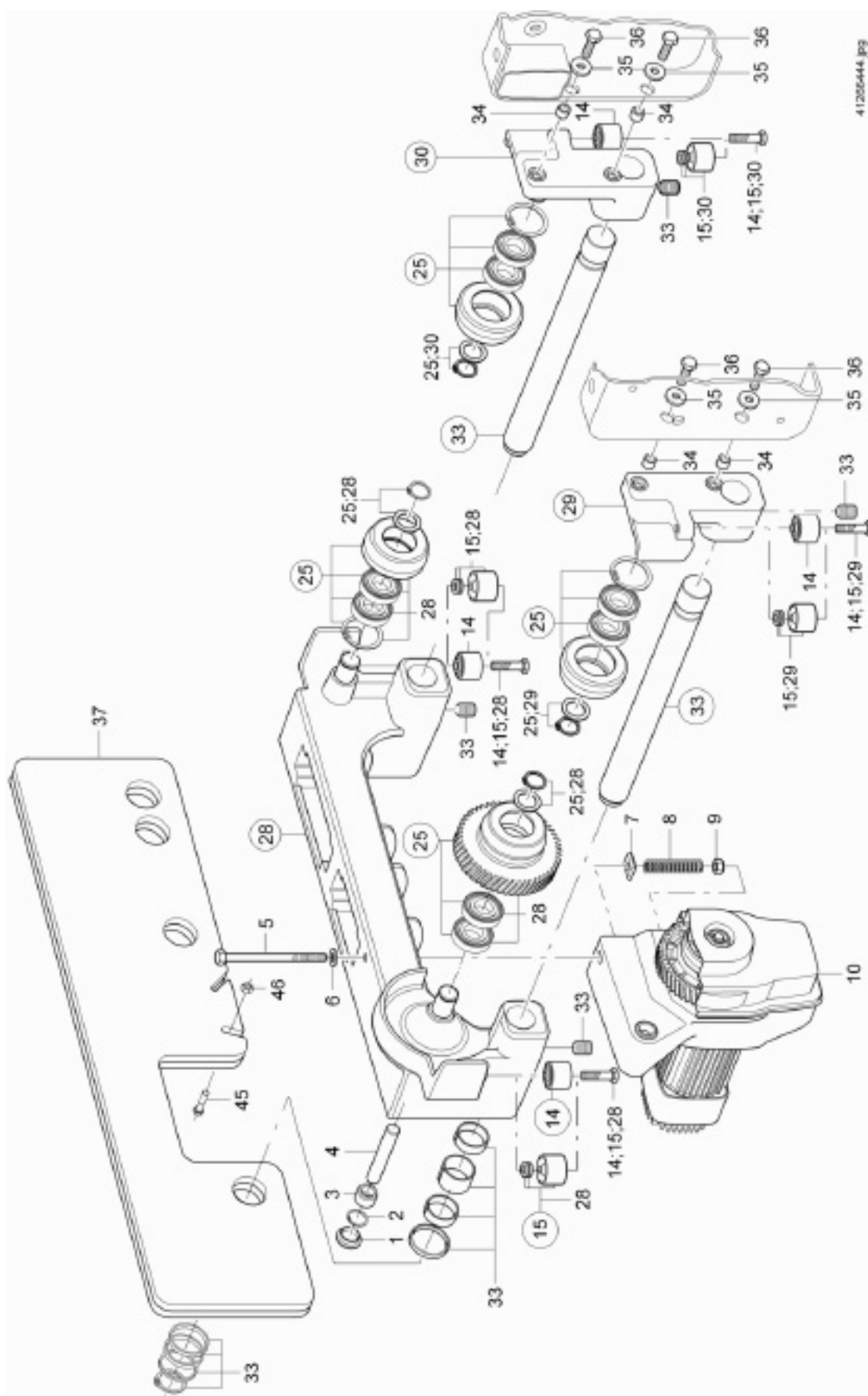
Item no.	Part no.	Quantity	Designation	Material	Standard
1	34255544	1	Plug 30.9 X 8.6		
2	34263299	1	Retaining ring 32 X 1.2		DIN 472
3	83051944	1	Bushing 12 X 31.5 X 19		
4	83051844	1	Pin 20h 8 x 121.5 M10		
5	15060499	1	Hex. head screw M12 X 190	8.8 A2F	DIN 933
6	34069699	1	Washer 13 X 30 X 6	A2F	DIN 7349
7	83052344	1	Flat bar 30 X 6 X 30 hole		
8	83052244	1	Pressure spring 12.2 x 21.4 x 96		
9	33461244	1	Lock nut V M12	8 A2F	DIN 980
10			Travel drive with ZBF 71 motor	1)	
14	75218033	1	Guide roller set EKDH size 3.2/5	3)	
15	75218133	1	Guide roller set EKDH size 3.2/5	eccentric only with Fl. W. 82 - 105 mm (3.22 - 4.13 in) 3)	
25	75215033	1	Travel wheel set, universal100		
28	90550546	1	Side plate DH 160/460	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
28	83051044	1	Side plate DH 160/460	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
29	83156544	1	Carrier NA-E	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
29	83156644	1	Carrier NA-E KDH 160 4/1	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
30	83156744	1	Carrier NA-M	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
30	83156844	1	Carrier NA-M KDH 200 4/1	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
33	83159233	1	Crossbar set EKDH size 3.2	Fl. W. 82 - 105 mm (3.22 - 4.13 in) only with item 37	
33	83159233	1	Crossbar set EKDH size 3.2	Fl. W. 200 - 300 mm (7.87 - 11.81 in)	
33	83159333	1	Crossbar set EKDH size 3.2	Fl. W. 301 - 400 mm (11.85 - 15.75 in)	
34	34579699	4	Split sleeve 18 X 12		ISO 13337
35	34069699	4	Washer 13 X 30 X 6	A2F	DIN 7349
36	15047799	4	Hex. head screw M12 X 35	8.8 A2F	ISO 4017
37	83168044	2	Counterweight EKDH 3.2/ 5	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
45	30046544	2	Lock screw M10 X 45 VB.RIPP		
46	30028344	2	Lock nut M10 VB.RIPP		

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EKDH 200 low-headroom monorail hoist

Trolley size 3.2

2/1 and 4/2 reeving - H16



EKDH 200 low-headroom monorail hoist

Trolley size 3.2

2/1 and 4/2 reeving - H16

Item no.	Part no.	Quantity	Designation	Material	Standard
1	34255544	1	Plug 30.9 X 8.6		
2	34263299	1	Retaining ring 32 X 1.2		DIN 472
3	83051944	1	Bushing 12 X 31.5 X19		
4	83051844	1	Pin 20h 8 x 1215 M10		
5	15060499	1	Hex. head screw M12 X 190	8.8 A2F	DIN 933
6	34069699	1	Washer 13 X 30 X 6	A2F	DIN 7349
7	83052344	1	Flat bar 30 X 6 X 30 hole		
8	83052244	1	Pressure spring 12.2 x 21.4 x 96		
9	33461244	1	Lock nut V M12	8 A2F	DIN 980
10			Travel drive with ZBF 71 motor	1)	
14	75218033	1	Guide roller set EKDH size 3.2/5	3)	
15	75218133	1	Guide roller set EKDH size 3.2/5	eccentric only with Fl. W. 82 - 105 mm (3.22 - 4.13 in) 3)	
25	75215033	1	Travel wheel set, universal 100		
28	90550646	1	Side plate DH 160/650	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
28	83050844	1	Side plate DH 160/650	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
29	83156544	1	Carrier NA-E	Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
29	83156644	1	Carrier NA-E KDH 160 4/1	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
30	83156744	1	Carrier NA-M	Fl. W. 82 - 105mm (3.22 - 4.13 in)	
30	83156844	1	Carrier NA-M KDH 160 4/1	Fl. W. 106 - 400 mm (4.17 - 15.75 in)	
33	83159233	1	Crossbar set EKDH size 3.2	Fl. W. 82 - 105 mm (3.22 - 4.13 in) only with item 37	
33	83159233	1	Crossbar set EKDH size 3.2	Fl. W. 200 - 300 mm (7.87 - 11.81 in)	
33	83159333	1	Crossbar set EKDH size 3.2	Fl. W. 301 - 400 mm (11.85-15.75 in)	
34	34579699	4	Split sleeve 18 X 12		ISO 13337
35	34069699	4	Washer 13 X 30 X 6	A2F	DIN 7349
36	15047799	4	Hex. head screw M12 X 35	8.8 A2F	ISO 4017
37	83168044	2	Counterweight EKDH3.2/ 5	only with Fl. W. 82 - 105 mm (3.22 - 4.13 in)	
45	30046544	2	Lock screw M10 X 45 VB.RIPP		
46	30028344	2	Lock nut M10 VB.RIPP		

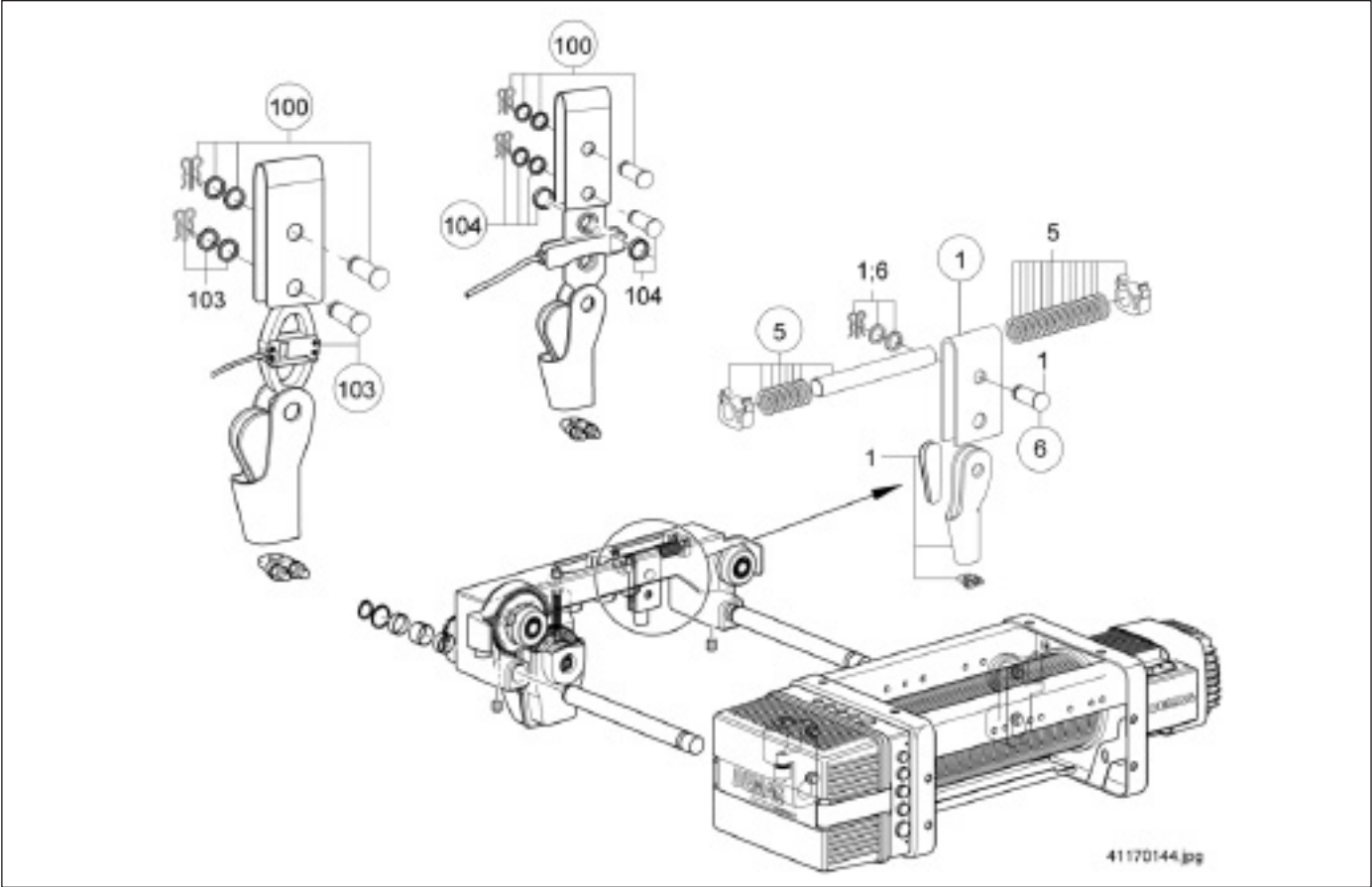
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EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Rope retaining crosshead

2/1 reeving



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82812733	1	Rope anchorage set EKDH 2/1	DH 200 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)	
100	82258033	1	Bolt connection set + spring clip	1) 3)	
103	4)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

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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 (14 oz))

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 (0.04 in))
 Make sure that the double spring clip is latched.

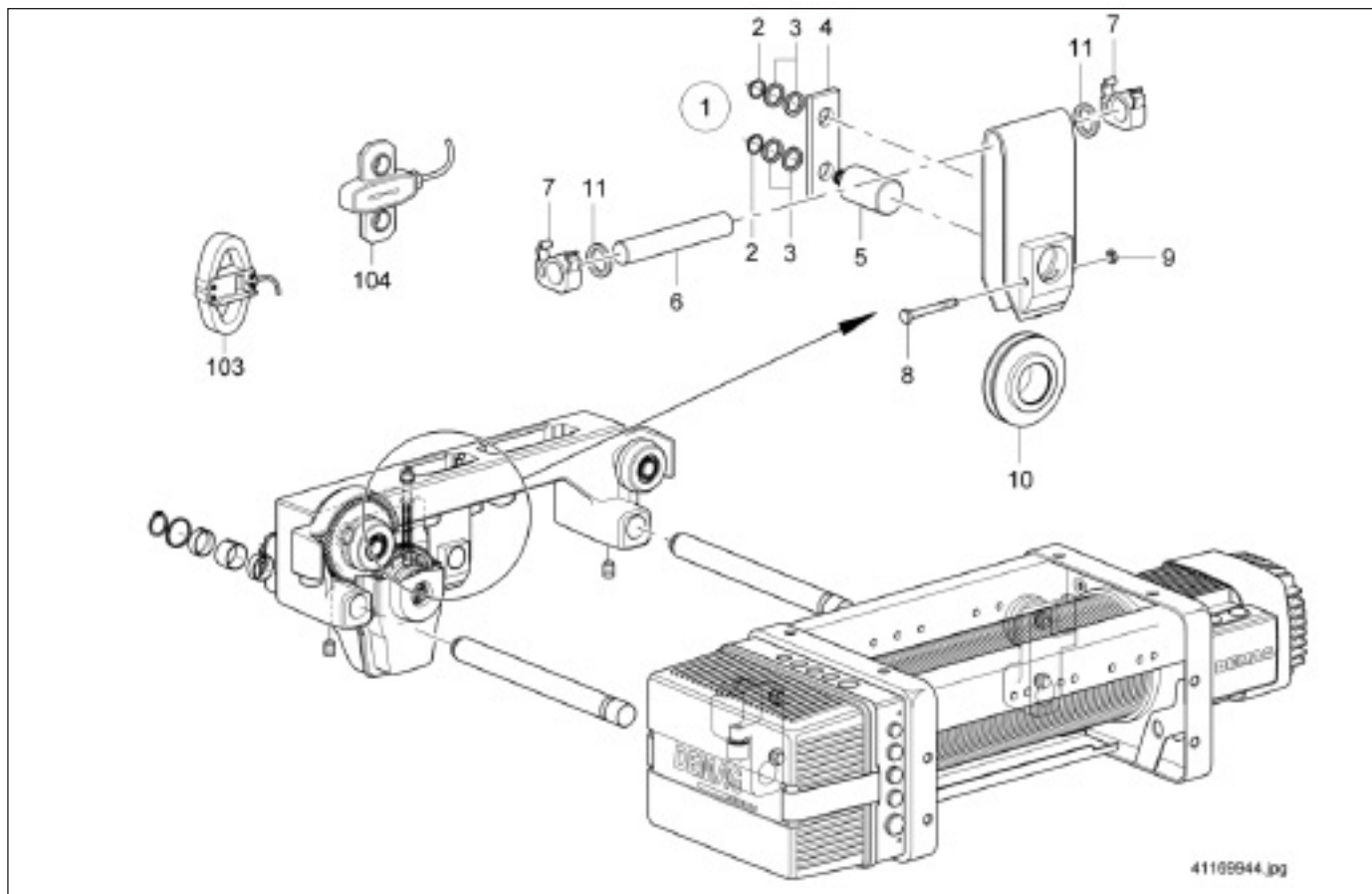
4) On request

EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Compensating sheave 100-6.5/5.5

4/2 reeving - H16



Item no.	Part no.	Quantity	Designation	Material	Standard
1	82833544	1	Compensating sheave 100 - 6.5/5.5	c/w items 2 - 6, 8 - 10 2)	
2	34251699	2	Retaining ring 16 X 1		DIN 471
3	34151199	4	Thrust washer 16 X 22 X 1.5	Fedst	DIN 988
4	82823144	1	Flat bar 40 X 10 X 110 hole		
5	82832744	1	Axle, compensating sheave		
6	82806344	1	Pin 25h11x 148	1)	
7	82819544	2	Swivel bearing bushing EKDH 160	1)	
8	30287899	1	Hex. head screw M 8 X 70	8.8 A2F	ISO 4014
9	33460844	1	Lock nut VM 8	8 A2F	DIN 980
10	82833444	1	Rope sheave 112 - 6.5/ 5.5		
11	34349899	2	Thrust washer 25 X 35 X 2		DIN 988
103	3)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

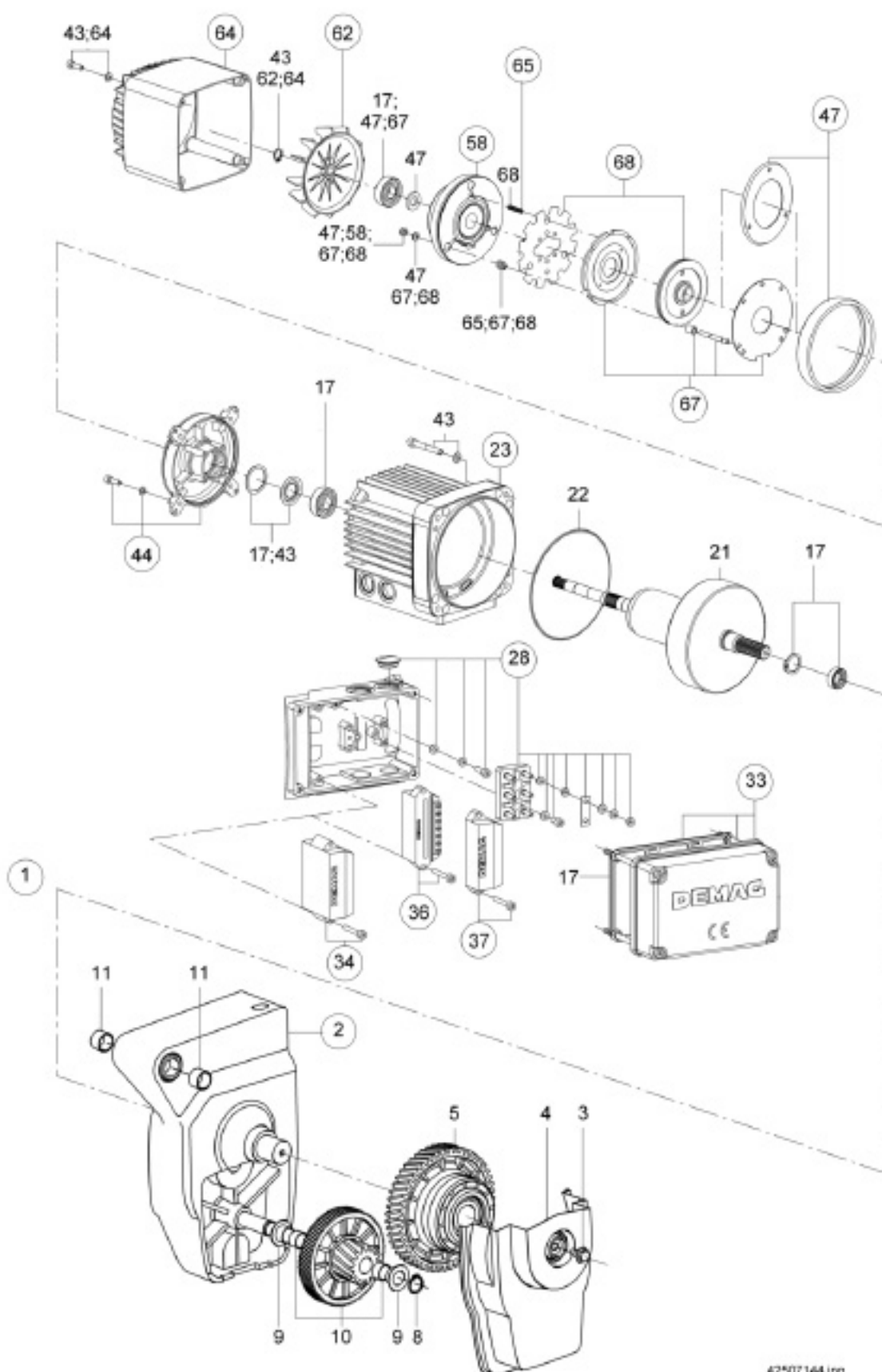
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1) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g (14 oz))
2) The bearings of the compensating sheave must be lubricated with a suitable adhesive grease.
3) On request

EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Travel drive with ZBF 71 - B003 brake



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EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Travel drive with ZBF 71 - B003 brake

Item no.	Part no.	Quantity	Designation	Material	Standard
			Travel speed 7 m/min (28 ft/min)	1)	
1	6)	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	
			Travel speed 14 m/min (56 ft/min)		
1	6)	1	Drive unit EKDH 3.2 ZBF71A4	c/w item 2	
			Travel speed 28 m/min (112 ft/min)	2)	
1	6)	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	
			Travel speed 7/14 m/min (28/56 ft/min)		
1	6)	1	Drive unit EKDH 3.2 ZBF71A48	c/w item 2	
			Travel speed 7/28 m/min (28/112 ft/min)		
1	6)	1	Drive unit EKDH 3.2 ZBF71A28	c/w item 2	
2	83002044	1	Drive carrier set EKDH 160	3)	
3	34326744	1	Lock screw M 8 X16 VB.RIPP		
4	83051744	1	Coverd 160 DH 160	3)	
5	83053444	1	Geared wheel DH 160 size 3.2	3)	
8	34251899	1	Retaining ring 18 X 1.2		DIN 471
9	82010944	2	Thrust washer 18 X 32 X 1		
10	83063544	1	Cluster gear T 86 M1.25 T 14 M3	3)	
11	87040342	2	Bushing 20 X 23 X15 B		
17	36687533	1	Bearing and sealing set T63/71		
19	36826499	1	Grooved ball bearing 6204 2RS		DIN 625
20	34247099	1	Retaining ring 20 X 1.75		DIN 471
21	20833284	1	Rotor ZBF 63B DH 160	A4, A8/2, A8/4, ZBF 71	
22	36720399	1	O-ring 120.37 X 1.78 N	NBR 70	DIN- 3771
23	6)	1	Stator ZBF 71A 8/2	A4, A8/4	
28	79499233	1	Terminal box set Z 63 / 71		
# 34	26094384	1	Brake control GF 0.8A		
# 36	26089284	1	Brake control GE 1.5A		
# 37	26086484	1	Current relay SE 0.25-4.0A AC		
43	34247033	1	Mounting parts set Z 63 / 71		
44	20867233	1	End shield set BS ZB 63/ 71	5)	
47	26003033	1	Masking tape Br. IP55 B007	4)	
58	26005033	1	Magnet body set B003 180V		
62	20871533	1	Fan set Z 63/71 light		
# 64	20874033	1	Fan cover set ZB 63/ 71		
65	26001033	1	Brake spring set B003	1.9 Nm	
67	26096033	1	Overhauling set B003	4)	
68	26096233	1	Wear and tear set B003	4)	

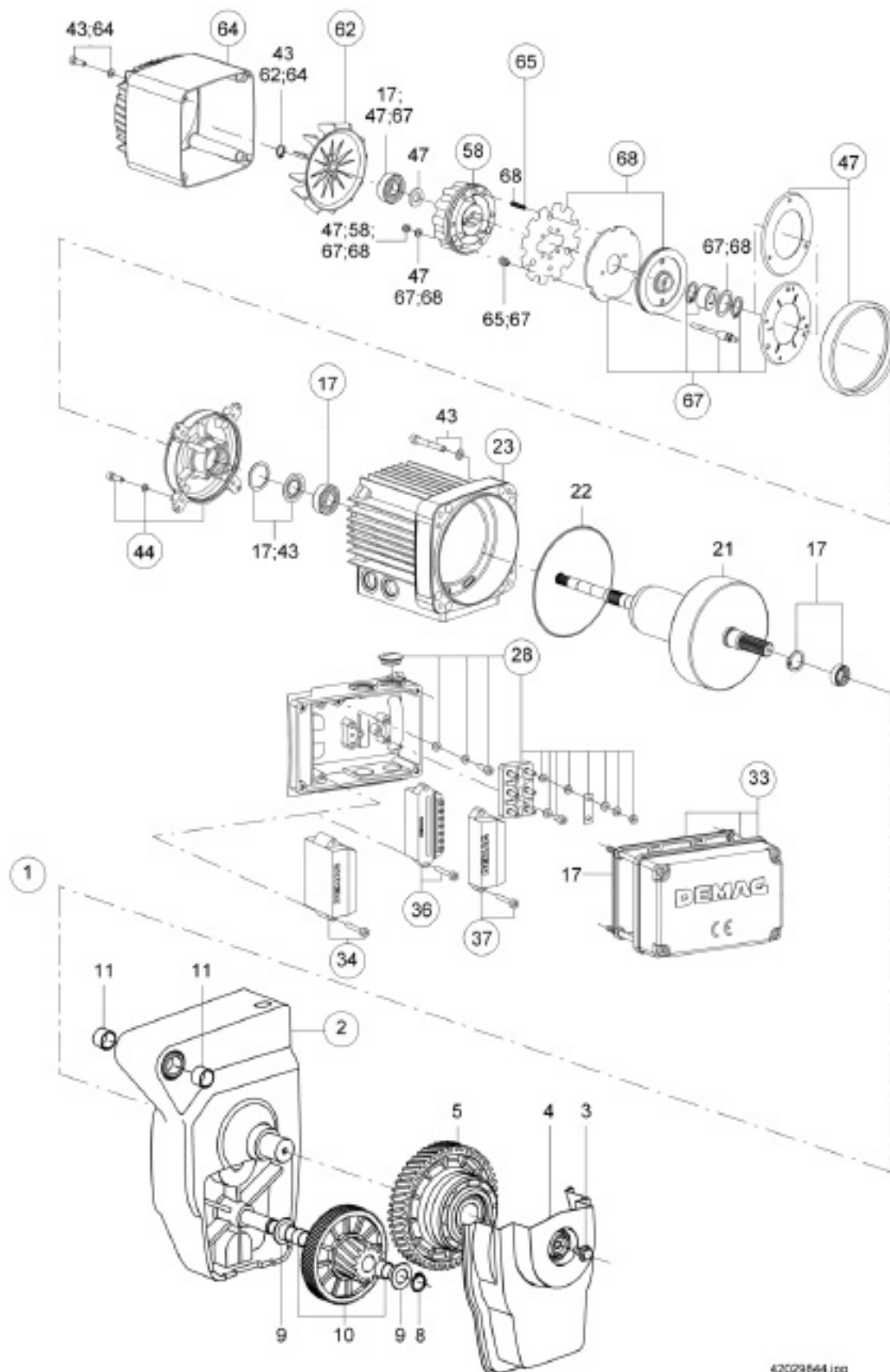
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- 1) Only the 8-pole winding is connected for a single travel speed.
- 2) Only the 2-pole winding is connected for a single travel speed.
- 3) The travel drive gearing under the cover must be lubricated with grease (approx. 100g (3.52 oz) Renolit S2) Part no.460 000 44 (400g (14 oz)). 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) For service in arduous conditions.
- 5) State option "integrated pulse generator" when ordering, if required.
- 6) On request

EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Travel drive with ZBF 71 - B004 brake⁶⁾



EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Travel drive with ZBF 71 - B004 brake⁶⁾

Item no.	Part no.	Quantity	Designation	Material	Standard
1	6)	1	Travel speed 7 m/min (28 ft/min) Drive unit EKDH 3.2 ZBF71A28	1) c/w item 2	
1	6)	1	Travel speed 14 m/min (56 ft/min) Drive unit EKDH 3.2 ZBF71A4	c/w item 2	
1	6)	1	Travel speed 28 m/min (112 ft/min) Drive unit EKDH 3.2 ZBF71A28	2) c/w item 2	
1	6)	1	Travel speed 7/14 m/min (28/56 ft/min) Drive unit EKDH 3.2 ZBF71A48	c/w item 2	
1	6)	1	Travel speed 7/28 m/min (28/112 ft/min) Drive unit EKDH 3.2 ZBF71A28	c/w item 2	
2	83002044	1	Drive carrier set EKDH 160	c/w items 3 - 5, 8 - 11 3)	
3	34326744	1	Lock screw M 8 X 16 VB.RIPP		
4	83051744	1	Cover 160 DH 160	3)	
5	83053444	1	Geared wheel DH 160 size 3.2	3)	
8	34251899	1	Retaining ring 18 X 1.2		DIN 471
9	82010944	2	Thrust washer 18 X 32 X 1		
10	83063544	1	Cluster gear T 86 M1.25 T 14 M3	3)	
11	87040342	2	Bushing 20 X 23 X15 B		
17	36687533	1	Bearing and sealing set T63/71		
19	36826499	1	Grooved ball bearing 6204 2RS		DIN 625
20	34247099	1	Retaining ring 20 X 1.75		DIN 471
21	20833284	1	Rotor ZBF 63B DH 160	A4, A8/2, A8/4, ZBF 71	
22	36720399	1	O-ring 120.37 X 1.78 N	NBR 70	DIN- 3771
23	6)	1	Stator ZBF 71A 8/2	A4, A8/4	
28	79499233	1	Terminal box set Z 63 / 71		
34	26094333	1	Brake control GF 0.8A		
36	26089233	1	Brake control GE 1.5A		
37	26086433	1	Current relay SE 0.25 - 4.0 ACA		
43	34247033	1	Mounting parts set Z 63 / 71		
44	20867233	1	End shield set, brake side ZB 63/ 71	ZBF 71 5)	
47	26013033	1	Extension set IP55 B007	B004 4)	
58	26015033	1	Magnet body set B007 180V	B004	
62	20871533	1	Fan set Z 63/71 light		
64	70599033	1	Fan cover set Z 63/71		
65	26011033	1	Brake spring set B007		
67	26096633	1	Overhauling set B007/ZBA 63	ZBF 71 4)	
68	26096533	1	Wear and tear set B004	4)	

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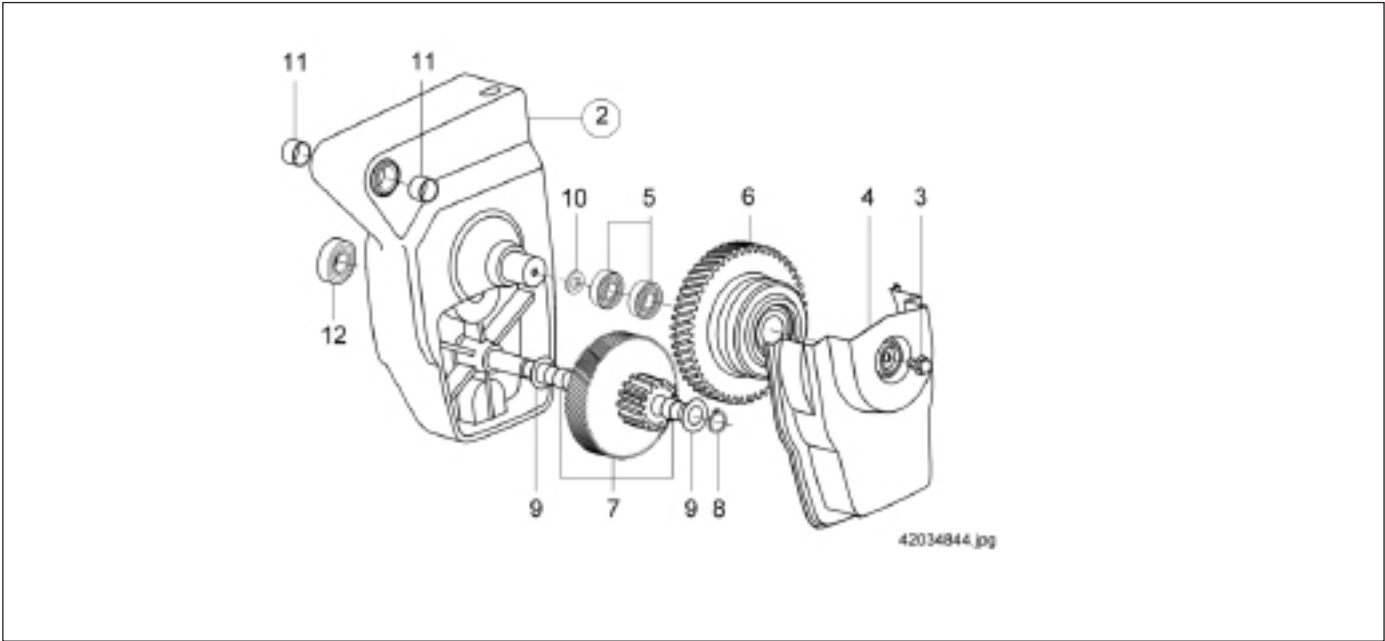
- 1) Only the 8-pole winding is connected for a single travel speed.
- 2) Only the 2-pole winding is connected for a single travel speed.
- 3) The travel drive gearing under the cover must be lubricated with grease (approx. 100g (3.52 oz) Renolit S2) Part no.460 000 44 (400g (14 oz)). The geared travel 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) For service in arduous conditions.
- 5) State option "integrated pulse generator" when ordering, if required.
- 6) On request

EKDH 200 low-headroom monorail hoist

Trolley size 3.2

Drive carrier for arduous conditions

Only for travel drive with ZBF 71 motor



Item no.	Part no.	Quantity	Designation	Material	Standard
2	83068044	1	Drive carrier set trolley size 3.2	c/w items 3, 4, 6 - 9, 11, 12	
3	34326744	1	Lock screw M 8 X16 VB.RIPP		
4	83051744	1	Vover 160 DH 160	1)	
5	36822699	2	Grooved ball bearing 6206 2Z		DIN 625
6	83067744	1	Geared wheel KDH-size 3.2	1)	
7	83077844	1	Cluster gear Z86M1,25-Z14M3	1)	
8	34251899	1	Retaining ring 18 X 1.2		DIN 471
9	82010944	2	Thrust washer 18 X 32 X 1		
10	34265699	1	Retaining ring 62 X 2		DIN 472
11	87040342	2	Bushing 20 X 23 X15 B		
12	36826499	1	Grooved ball bearing 6204 2RS		DIN 625

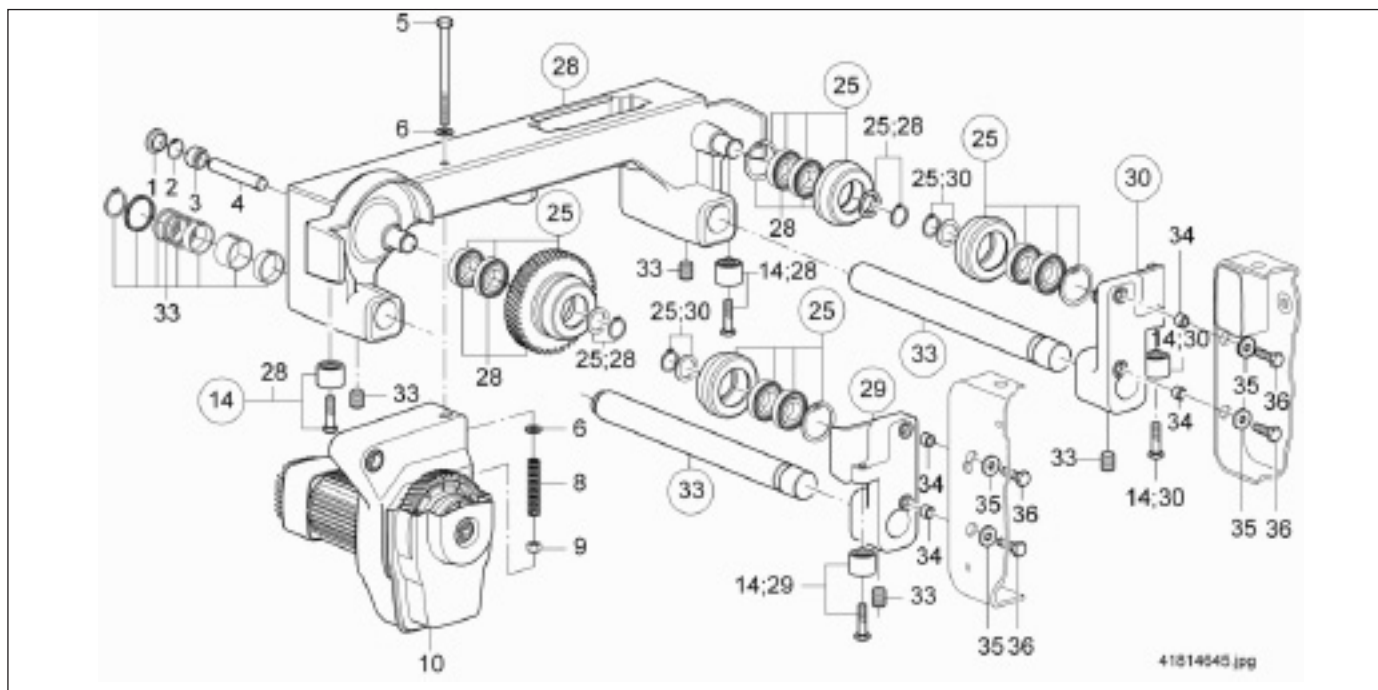
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1) The travel drive gearing under the cover must be lubricated with grease (approx. 100g (3.52 oz) Renolit S2) Part no.460 000 44 (400g (14 oz)). The geared travel wheel must be lubricated with the same grease. This lubrication is sufficient for two years at normal operation and must be repeated after this time.

EKDH 200 low-headroom monorail hoist

Trolley size 5

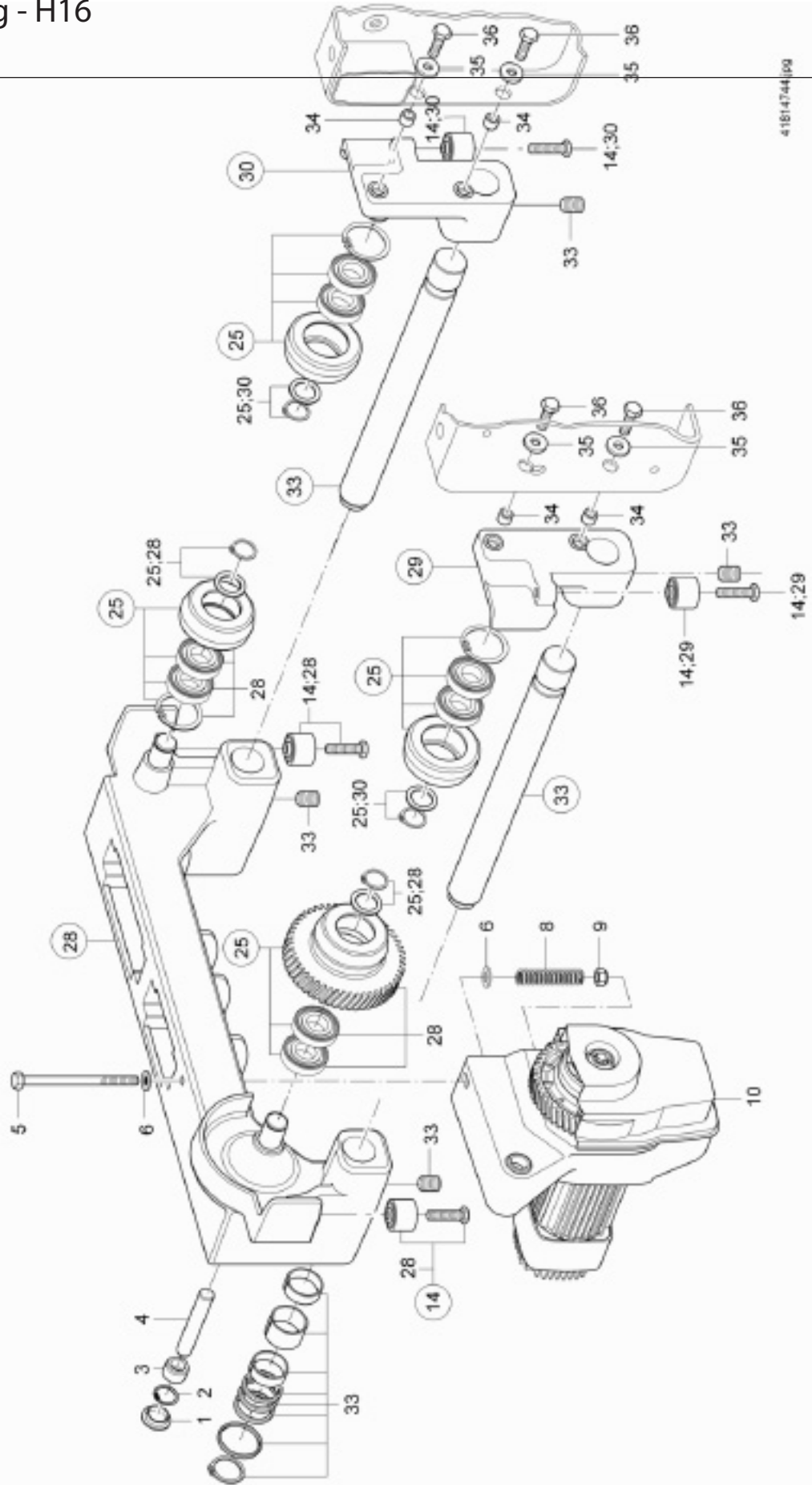
4/1 reeving - H10



Item no.	Part no.	Quantity	Designation	Material	Standard
1	34255544	1	Plug 30.9 X 8.6		
2	34263299	1	Retaining ring 32 X 1.2		DIN 472
3	83051944	1	Bushing 12 X 31.5 X 19		
4	83051844	1	Pin 20h 8 x 121.5 M10		
5	15060499	1	Hex. head screw M12 X 190	8.8 A2F	DIN 933
6	34069699	2	Washer 13 X 30 X 6	A2F	DIN 7349
8	83151444	1	Pressure spring 14.3 x 24.3 x 96		
9	33461244	1	Lock nut V M12	8 A2F	DIN 980
10			Travel drive with ZBF 80 Motor		1)
14	75218033	1	Guide roller set EKDH size 3.2/5		2)
25	75215133	1	Travel wheel set, universal 125		
28	83053844	1	Side plate DH 200-H10		
29	83151644	1	Carrier NA-E KDH 200		
30	83151844	1	Carrier NA-M EKDH 200		
33	83154133	1	Crossbar set EKDH size 5	Fl. W. 106 - 199 mm (4.17 - 7.83 in)	
33	83154233	1	Crossbar set EKDH size 5	Fl. W. 200 - 300 mm (7.87 - 11.81 in)	
33	83154333	1	Crossbar set EKDH size 5	Fl. W. 301 - 400 mm (11.85-15.75 in)	
34	34579699	4	Split sleeve 18 X 12		ISO 13337
35	34069699	4	Washer 13 X 30 X 6	A2F	DIN 7349
36	15047799	4	Hex. head screw M12 X 35	8.8 A2F	ISO 4017

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EKDH 200 low-headroom monorail hoist
Trolley size 5
4/1 reeving - H16



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EKDH 200 low-headroom monorail hoist

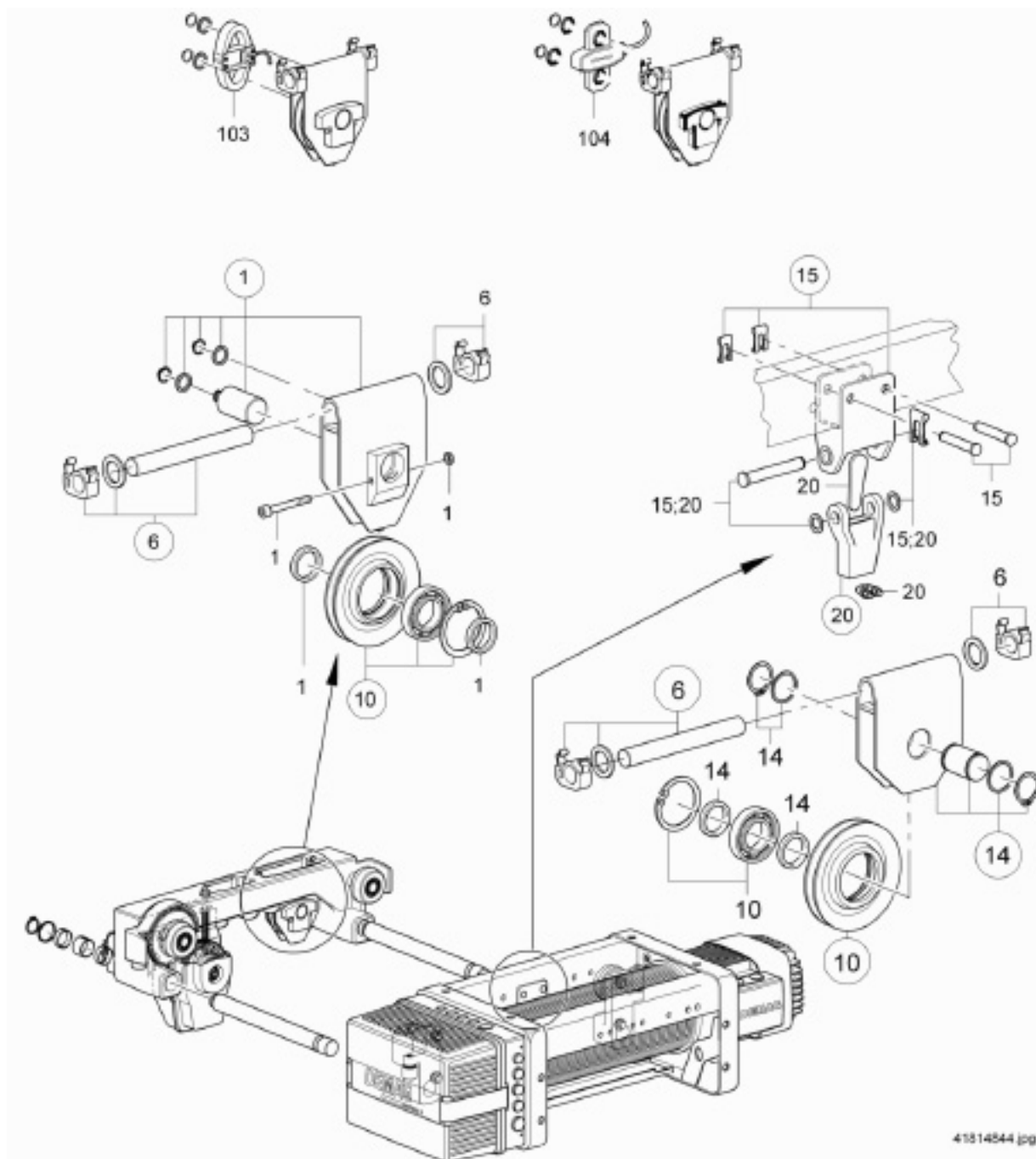
Trolley size 5

4/1 reeving - H16

Item no.	Part no.	Quantity	Designation	Material	Standard
1	34255544	1	Plug 30.9 X 8.6		
2	34263299	1	Retaining ring 32 X 1.2		DIN 472
3	83051944	1	Bushing 12 X 31.5 X 19		
4	83051844	1	Pin 20h 8 x 121.5 M10		
5	15060499	1	Hex. head screw M12 X 190	8.8 A2F	DIN 933
6	34069699	2	Washer 13 X 30 X 6	A2F	DIN 7349
8	83151444	1	Pressure spring 14.3 x 24.3 x 96		
9	33461244	1	Lock nut V M12	8 A2F	DIN 980
10			Travel drive with ZBF 80 Motor		
14	75218033	1	Guide roller set EKDH size 3.2/5	1)	
25	75215133	1	Travel wheel set , universal 125	2)	
28	83054044	1	Side plate DH 200-H16		
29	83151644	1	Carrier NA-E KDH 200		
30	83151844	1	Carrier NA-M EKDH 200		
33	83154133	1	Crossbar set EKDH size 5	Fl. W. 106 - 199 mm (4.17 - 7.83 in)	
33	83154233	1	Crossbar set EKDH size 5	Fl. W. 200 - 300 mm (7.87 -11.81 in)	
33	83154333	1	Crossbar set EKDH size 5	Fl. W. 301 - 400 mm (11.85-15.75 in)	
34	34579699	4	Split sleeve 18 X 12		ISO 13337
35	34069699	4	Washer 13 X 30 X 6	A2F	DIN 7349
36	15047799	4	Hex. head screw M12 X 35	8.8 A2F	ISO 4017

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EKDH 200 low-headroom monorail hoist
Trolley size 5
Rope retaining crosshead and return sheave
4/1 reeving



EKDH 200 low-headroom monorail hoist

Trolley size 5

Rope retaining crosshead and return sheave

4/1 reeving

Item no.	Part no.	Quantity	Designation	Material	Standard
1	82870133	1	Return sheave set 160 9 DH200	c/w item 10 2)	
6	82853833	1	Set of pins EKDH 200-400	1)	
10	82901544	1	Rope sheave 160-9		
14	82869033	1	Return sheave set 160 9 DH200	c/w item 10 2)	
15	82851133	1	Rope wedge crosshead DH 200 4/1	c/w item 20 2)	
20	82851533	1	Rope anchorage set DH 200	2)	
103	3)	1	Load detector set MGS	DH 200	
104	49139133	1	Strain gauge carrier link set ZMS		

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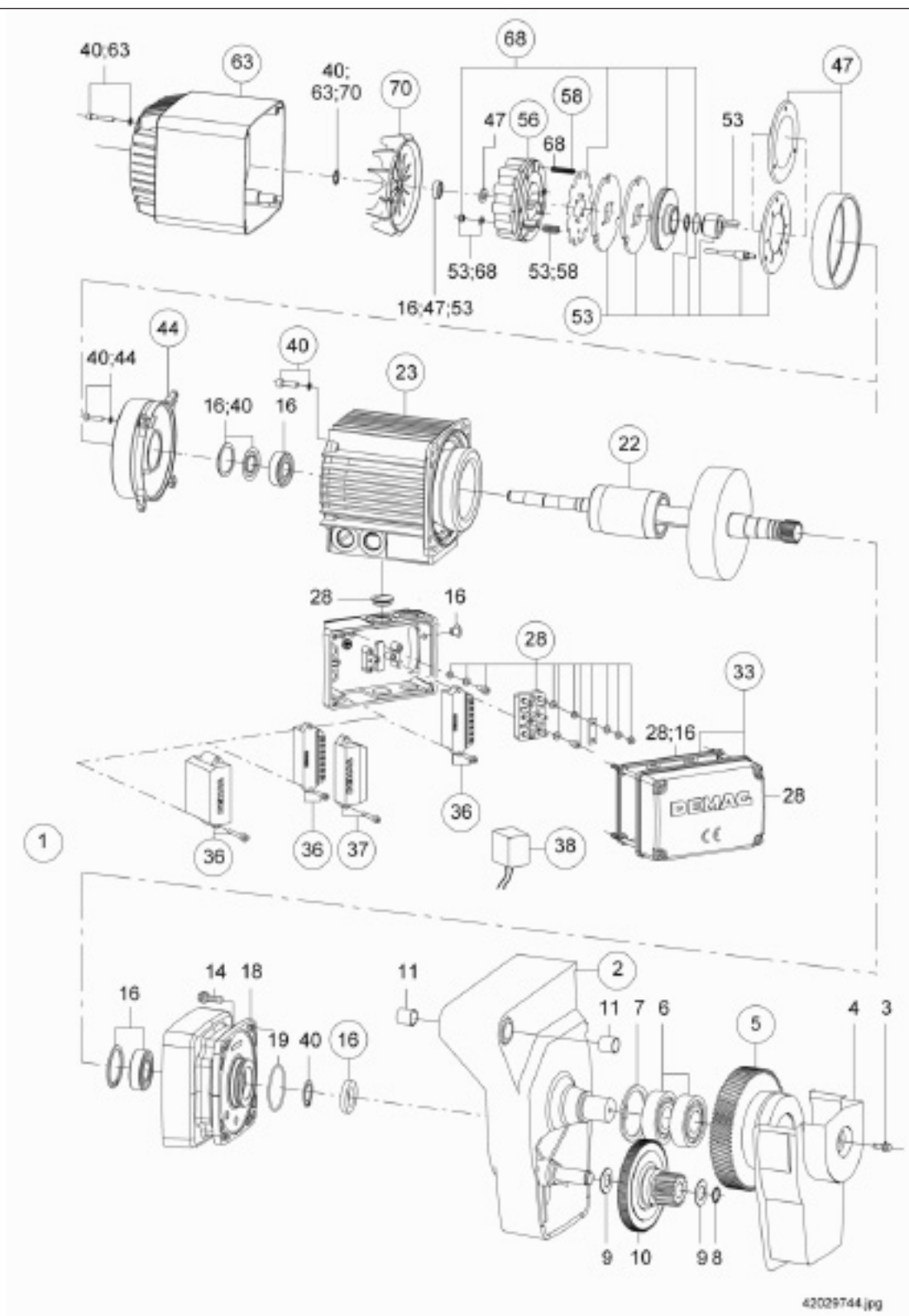
- 1) Pivot bearing bushes and pins must be lubricated with bearing grease, part no. 460 000 44 (400 g (14 oz))
- 2) The bearings must be lubricated with a suitable adhesive grease. Part no. 472 933 44.
- 3) On request

EKDH 200 low-headroom monorail hoist

Trolley size 5

Travel drive with ZBF 80 motor - brake B020

ZBF 80 A 4, ZBF 80 A 8/2, ZBF 80 A 4/12



EKDH 200 low-headroom monorail hoist

Trolley size 5

Travel drive with ZBF 80 motor - brake B020

ZBF 80 A 4, ZBF 80 A 8/2, ZBF 80 A 4/12

Item no.	Part no.	Quantity	Designation	Material	Standard
			Travel speed 12.5 m/min (50 ft/min)		
1	5)	1	Drive unit EKDH 5 ZBF80A4	c/w items 2, 14, 16, 18, 19, 22, 23, 28, 33, 40, 44, 47, 53, 56, 63, 68, 70	
			Travel speed 25 m/min (100 ft/min)	1)	
1	5)	1	Drive unit EKDH 5 ZBF80A28	c/w items 2, 14, 16, 18, 19, 22, 23, 28, 33, 40, 44, 47, 53, 56, 63, 68, 70	
			Travel speed 4.1/12.5m/min (16/50 ft/min)		
1	5)	1	Drive unit EKDH 5 ZBF80A412	c/w items 2, 14, 16, 18, 19, 22, 23, 28, 33, 40, 44, 47, 53, 56, 63, 68, 70	
			Travel speed 6.3/19 m/min (25/80 ft/min)	DH 208, DH 210	
1	5)	1	Drive unit EKDH 5 ZBF80A412	c/w items 2, 14, 16, 18, 19, 22, 23, 28, 33, 40, 44, 47, 53, 56, 63, 68, 70	
			Travel speed 6.3/25 m/min (25/100 ft/min)		
1	5)	1	Drive unit EKDH 5 ZBF80A28	c/w items 2, 14, 16, 18, 19, 22, 23, 28, 33, 40, 44, 47, 53, 56, 63, 68, 70	
2	83196044	1	Drive carrier set size 5	c/w items 3 - 5, 8 - 11, FH = 24,7 m/min (100 ft/min) 2)	
3	34326744	1	Lock screw M 8 X 16 VB.RIPP		
4	83051744	1	Cover 160 DH 160	DH 200 2)	
5	83153044	1	Geared wheel 2-DH 200	c/w items 6, 7) 2)	
6	36822699	2	Grooved ball bearing 6206 2Z		DIN 625
7	34265699	1	Retaining ring 62 X 2		DIN 472
8	34251899	1	Retaining ring 18 X 1.2		DIN 471
9	82010944	2	Thrust washer 18 X 32 X 1		
10	83195344	1	Cluster gear T 109 M1 T 18 M2	FH = 24,7 m/min (100 ft/min) 2)	
11	87040342	2	Bushing 20 X 23 X15 B		
14	10010698	4	Lock screw M 8 X 20 VB.RIPP		
16	36646433	1	Bearing and sealing set Z80/90A		
18	21868484	1	End shield travel unit Z 80		
19	36722499	4	O-ring 55 X 2.5 N	NBR 70	DIN- 3771
22			Rotor/pinion assembly	4)	
23	5)	1	Stator ZBF 80A 4		
23	5)	1	Stator ZBF 80A 8/2		
23	5)	1	Stator ZBF 80A 12/4		
28	79499133	1	Terminal box set Z 80 / 90A	c/w item 33	
# 33	21882533	1	Terminal box cover Z 63- 90		
# 36	26089284	1	Brake control GE 1.5A	A4	
# 36	26094384	1	Brake control GF 0.8A	A2/8, 4/12	
# 37	26086484	1	Current relay SE 0.25-4.0A AC	A4	
38	26089884	1	VDR resistor insulated		
40	34250333	1	Mounting parts set Z 80 / 90A		
44	21866333	1	End shield set, brake side ZB 80/ 90		
47	26023033	1	Masking tape Br. IP55 B020	3)	
53	26097133	1	Overhauling set B020/ZB 80	3)	
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		
68	26097533	1	Wear and tear set B020	3)	
70	21871533	1	Fan set Z80/90 light		

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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 (3.52 oz) Renolit S2) Part no.460 000 44 (400g (14 oz)). 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) For service in arduous conditions.
 - 4) 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.
 - 5) On request