



Wire rope hoists

Spare parts list

en-US

**Before installing hoist, fill in the information below.
Refer to the Hoist and Motor data plates.**

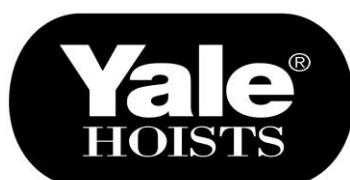
Model No. _____

Serial No. _____

Purchase Date _____

Voltage _____

Rated Load _____



SHAW-BOX®

Notes

YALE/SHAWBOX HOIST PARTS AND SERVICES ARE AVAILABLE IN THE UNITED STATES AND IN CANADA

As a Yale/Shawbox Hoist and Trolley user you are assured of reliable repair and parts services through a network of Master Parts Depots and Service Centers that are strategically located in the United States and Canada. These facilities have been selected on the basis of their demonstrated ability to handle all parts and repair requirements promptly and efficiently. To quickly obtain the name of the Master Parts Depot or Service Center located nearest you, call (800) 888-0985, Fax: (716) 689-5644, visit www.cmworks.com

LAS PIEZAS Y REPARACIONES DE LOS POLIPASTOS DE YALE/SHAWBOX ESTÁN ASEGURADAS EN ESTADOS UNIDOS Y CANADÁ

Como usuario de un polipasto y carro de Yale/Shawbox le aseguramos cualquier reparación o la disponibilidad de cualquier pieza de repuesto a través de una red de almacenes de piezas de repuesto y centros de servicio situados estratégicamente en Estados Unidos y Canadá. Estas instalaciones se han seleccionado en base a su capacidad demostrada en la reparación de equipos y suministro de piezas de repuesto de forma rápida y eficaz. Para obtener la dirección del almacén de piezas de repuesto o del centro de servicio más cercano, llame al teléfono (800) 888-0985. Fax: (716) 689-5644, visite www.cmworks.com (sólo en Estados Unidos y Canadá).

LE SERVICE DE RÉPARATION ET DE PIÈCES POUR PALANS YALE/SHAWBOX EST DISPONIBLE AUX ÉTATS-UNIS ET AU CANADA

Soyez assurés qu'en temps d'utilisateur de palan et treuil Yale/Shawbox, d'un service de réparation et de pièces fiable par l'entremise d'un réseau de Centres de service et de Dépôts de pièces maîtresses qui sont stratégiquement situés aux États-Unis et au Canada. Ces établissements ont été sélectionnés sur une base de leur habileté démontrée à s'occuper promptement et efficacement des besoins de réparation de pièces. Appelez le (800) 888-0985, Fax: (716) 689-5644, visite www.cmworks.com pour obtenir rapidement le nom du dépôt de pièces maîtresses ou du centre de service situé le plus près.

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General information

The parts lists and illustrations in this section of the manual cover parts for wire rope hoist. A typical hoist is shown as the basis for the exploded parts illustrations; therefore, certain variations may occur from the information given.

For this reason, always correspond with:

1. Hoist Model Number from identification plate.
2. Serial number of the hoist stamped below identification plate.
3. Catalog Number
4. Voltage, phase, hertz from the identification plate.
5. Hoist Capacity
6. Length of lift.
7. Part number of part from parts list.
8. Number of parts required.
9. Part name from parts list.
10. Hoist Serial Number.

Certain parts of your hoist will, in time, require replacement under normal wear conditions. Other items such as gaskets, fasteners, insulators, etc., may be damaged or lost during disassembly. It is suggested that these parts be purchased for your hoist as spares for future use. These parts are listed at the end of this manual.

The numbers assigned to parts of our various assemblies in our Parts List are the part numbers used in manufacturing. Some of these itemized parts are not for individual sale, but must be grouped with other related replacement items.

WHEN ORDERING PARTS OR INFORMATION ON THIS EQUIPMENT, ALWAYS INCLUDE MODEL AND SERIAL NUMBER ON ORDER.

⚠ WARNING

Alterations or modifications of equipment and use of non-factory repair parts can lead to dangerous operation and injury.

TO AVOID INJURY:

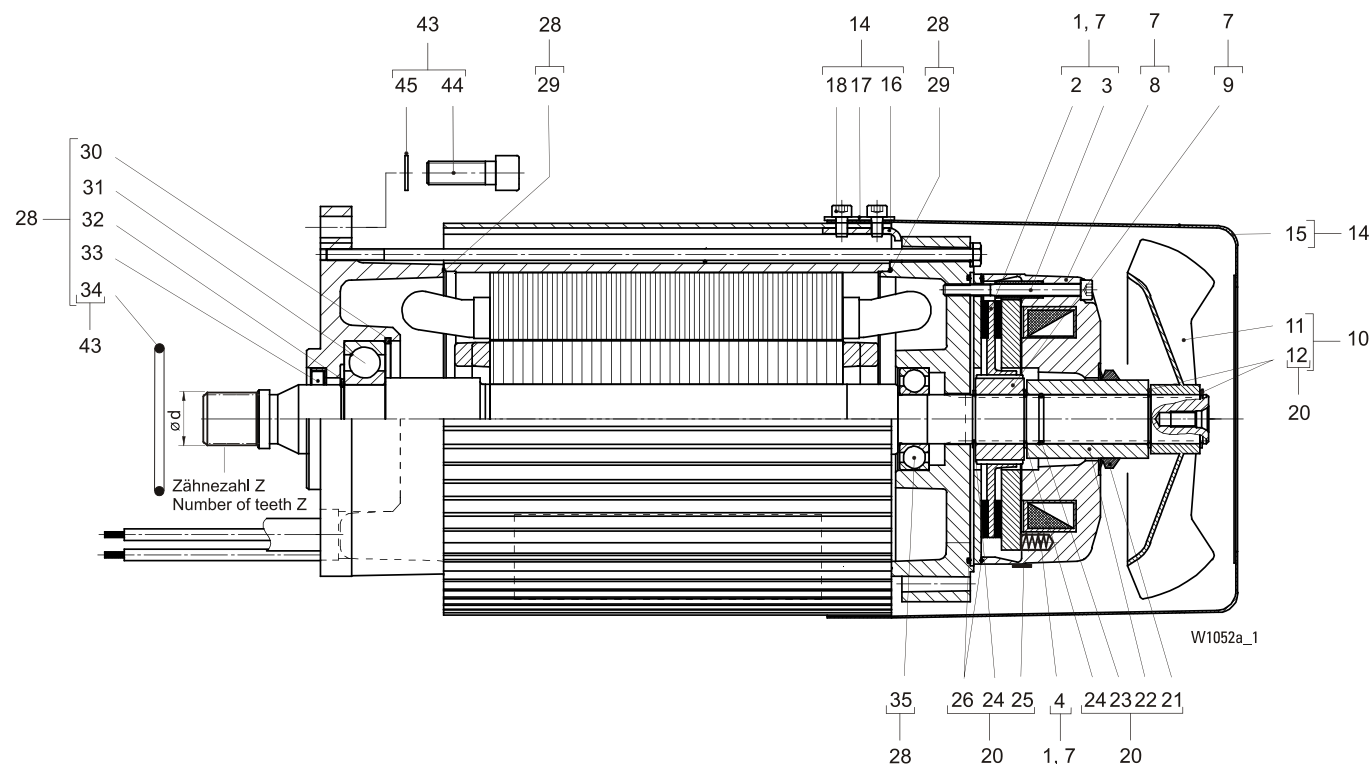
- Do not alter or modify equipment.
 - Do use only factory replacement parts.
-



Spare parts list YKA/SKA

Spare parts list YKA/SKA

12/2H33-MF hoist motor



Item	Part no.	Qty.	Description	Specification	Comment
	A70001572	1	Motor	YKA/SKA w. drum speed 48 fpm	Pos.43 1), 4)
	A70001574	1	Motor	YKA/SKA w. drum speed 64, 80 fpm	Pos.43 1), 4)
	A70001578	1	Motor	YKA/SKA w. drum speed 100, 128 fpm	Pos.43 1), 4)
	A70001580	1	Motor	YKA/SKA w. drum speed 28, 36, 40, 160 fpm	Pos.43 1), 4)
1	A70024431	1	Brake rotor spare part set		Pos.2 – 4, 20
7	A2327019650	1	Brake compl.	100 V / 180 – 460 V, 50 Hz	Pos.1, 8 – 9, 20 2)
7	A2327020650	1	Brake compl.	130 V / 500 – 525 V, 50 Hz	Pos.1, 8 – 9, 20 2)
7	A2327021650	1	Brake compl.	150 V / 575 – 690 V, 50 Hz	Pos.1, 8 – 9, 20 2)
9	A5674830	1	Hub		
10	A2327000650	1	Fan wheel set		Pos.11 – 12
11	.....	1	Fan wheel		
12	.....	2	Retaining ring	25×1.2 DIN 471	
14	A2327001650	1	Fan cover set		Pos.15 – 18
15	.....	1	Fan cover		
16	.....	2	Tread block		
17	.....	4	Safety washer	S6	
18	.....	4	Screw	M6×10 DIN 7984-8.8	
20	A2327006650	1	Sealing set brake		Pos.12, 21 – 26
21	.....	1	Sealing ring V-seal		
22	.....	1	Bushing		
23	.....	1	Round sealing ring	21.3×2.4	
24	.....	4	Retaining ring	25×1.2 DIN 471	
25	.....	1	Plug		
26	.....	2	Round sealing ring	118×2	
28	A2327002650	1	Bearings and sealings		Pos.29 – 35
29	.....	2	Round sealing ring	145.2×1.78 DIN 3771	
30	.....	1	Retaining ring	80×2.5 DIN 472	

Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification		Comment
31		1	Bearing	6307-2RS	DIN 625	3)
32		1	Retaining ring	35×1.5	DIN 471	
33		1	Shaft seal	A32×52×7	DIN 3760	3)
34		1	Round sealing ring	70×2	NB70	
35		1	Bearing	6205-2RS	DIN 625	
43	A2327003650	1	Gear motor screws			Pos.34, 44 – 45
44		4	Screw	M10×30	ISO 4762	
45		4	Safety washer	S10		

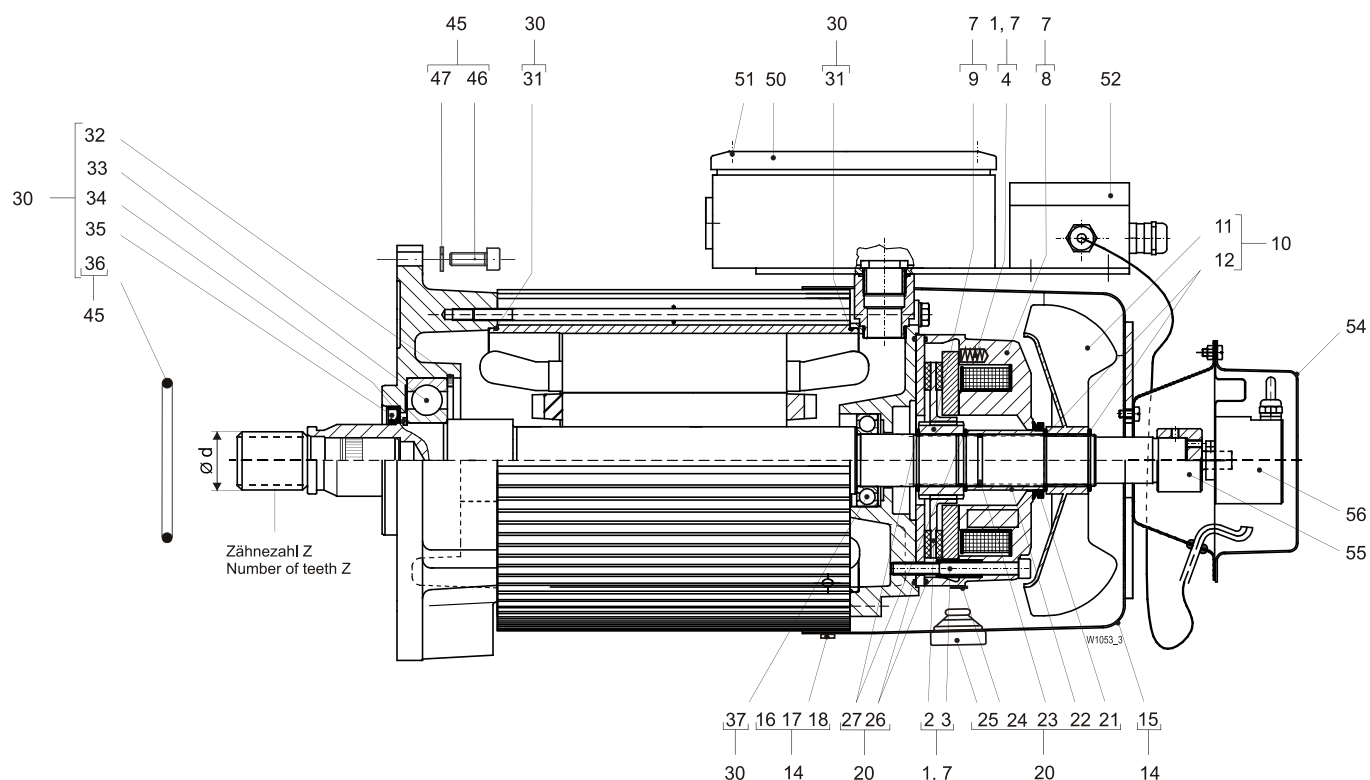
1) Please state operating voltage, frequency and wire rope hoist type

2) Coil voltage / operating voltage motor

3) Only replaceable at YKA/SKA w. drum speed = 64 – 128 fpm, Z=9, d<1.18 in

4) Calculating of drum speed = reeving × hoist speed
e.g. YKB-T05-020S 2 20 -2-54
reeving hoist speed

4H33-MF hoist motor



Item	Part no.	Qty.	Description	Specification	Comment
	A70001593	1	Motor	YKA/SKA w. drum speed 48 fpm	Pos.45 1), 4)
	A70001598	1	Motor	YKA/SKA w. drum speed 64, 80 fpm	Pos.45 1), 4)
	A70001602	1	Motor	YKA/SKA w. drum speed 100, 128 fpm	Pos.45 1), 4)
	A70001604	1	Motor	YKA/SKA w. drum speed 28, 36, 40, 160 fpm	Pos.45 1), 4)
1	A70024431	1	Brake rotor spare part set		Pos.2 – 4, 20
7	A2327034650	1	Brake compl.	180 V / 380 – 415 V, 100 Hz	Pos.1, 8 – 9, 20 2)
9	A5674830	1	Hub		
10	A2327000650	1	Fan wheel set		Pos.11 – 12
11	.....	1	Fan wheel		
12	.....	2	Retaining ring	25×1.2 DIN 471	
14	A2327013650	1	Fan cover set		Pos.15 – 18
15	.....	1	Fan cover		
16	.....	4	Screw	M6×10 DIN 7984-8.8	
17	.....	4	Safety washer	S6	
18	.....	4	Tread block		
20	A2327006650	1	Sealing set brake		Pos.21 – 27
21	.....	1	Sealing ring V-seal		
22	.....	1	Bushing		
23	.....	1	Round sealing ring	21.3×2.4	
24	.....	1	Plug		
25	.....	1	Plug		
26	.....	1	Round sealing ring	118×2	
27	.....	2	Retaining ring	25×1.2 DIN 471	
30	A2327002650	1	Bearings and sealings		Pos.31 – 37
31	.....	2	Round sealing ring	145.2×1.78 DIN 3771	
32	.....	1	Retaining ring	80×1.5 DIN 472	
33	.....	1	Bearing	6307-2RS DIN 625	3)
34	.....	1	Retaining ring	35×1.5 DIN 471	
35	.....	1	Shaft seal	A32×52×7 DIN 3760	3)

Spare parts list

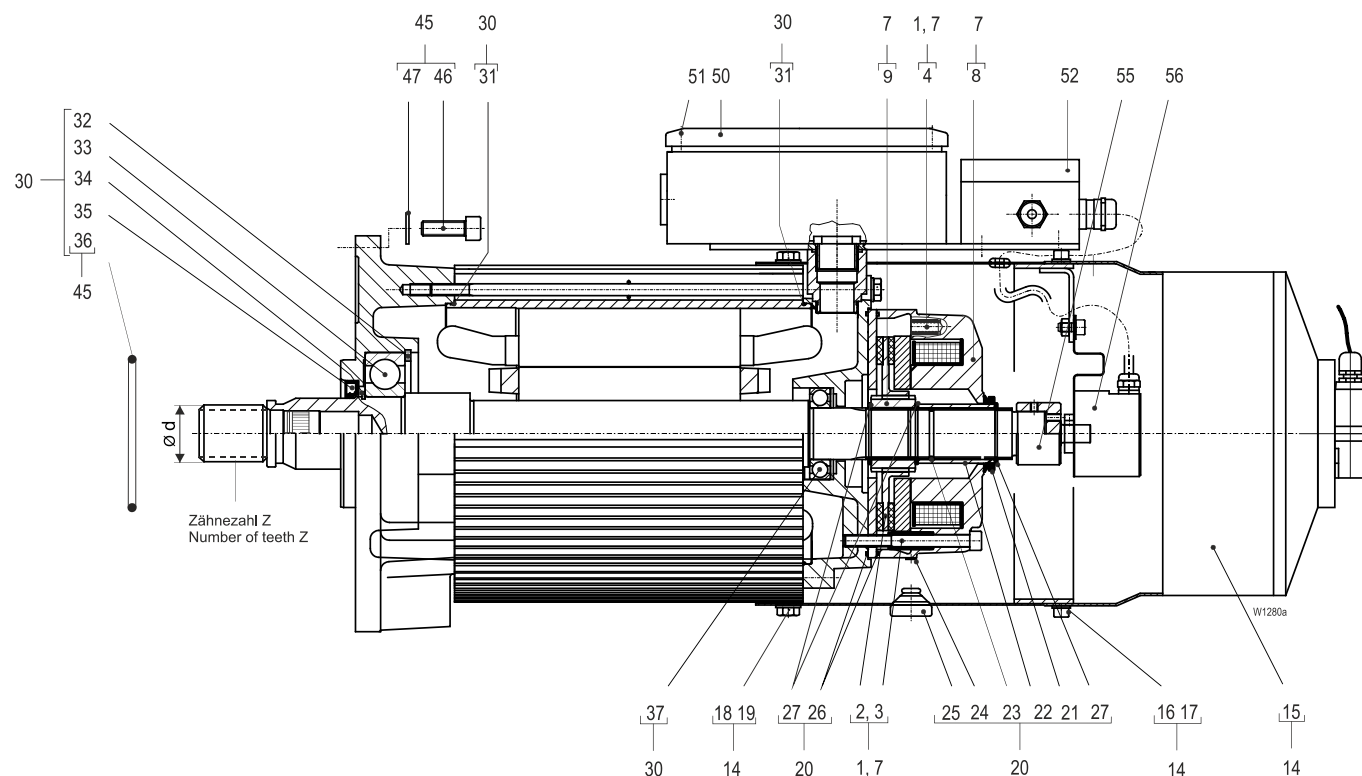
YKA/SKA

Item	Part no.	Qty.	Description	Specification	Comment
36	.....	1	Round sealing ring	70×2 NB70	
37	.....	1	Bearing	6205-2RS DIN 625	
45	A2327003650	1	Gear motor screws		Pos.36, 46 – 47
46	.....	4	Screw	M10×30 ISO 4762	
47	.....	4	Safety washer	S10	
50	A2327017650	1	Terminal box cover		Pos.51
51	.....	4	Screw	M6×20 ISO 1207	
52	A5675560	1	Encoder connection set		
54	A5675550	1	Cover encoder		
55	A2427020650	1	Shaft extension set	MF10	
56	A2727083650	1	Encoder set	600 ppr HTL	
56	A2727084650	1	Encoder set	1024 ppr HTL	

- 1) Please state operating voltage, frequency and wire rope hoist type
- 2) Coil voltage / operating voltage motor
- 3) Only replaceable at YKA/SKA w. drum speed = 64 – 128 fpm, Z=9, d<1.18 in'
- 4) Calculating of drum speed = reeving × hoist speed e.g. YKB-T05-020S **2** **20** -2-54
reeving hoist speed

Spare parts list YKA/SKA

4HS3-MF hoist motor



Item	Part no.	Qty.	Description	Specification	Comment
	A70001605	1	Motor	YKA/SKA w. drum speed 80 fpm	Pos.45 1), 3)
	A70001608	1	Motor	YKA/SKA w. drum speed 100, 128 fpm	Pos.45 1), 3)
	A70001610	1	Motor	YKA/SKA w. drum speed 160 fpm	Pos.45 1), 3)
1	A2327044650	1	Brake rotor spare part set		Pos.2 – 4, 9, 20
7	A2427008650	1	Brake compl.	170 – 216 V / 400 – 500 V, 50 Hz	Pos.1, 8 – 9, 20 2)
9	.....	1	Hub		
14	A2427011650	1	Forced ventilation		Pos.15 – 19
15	.....	1	Fan cover		
16	.....	4	Screw	M6×10 ISO 4762	
17	.....	4	Safety washer	A6.4 DIN 6797	
18	.....	4	Screw	M6×10 EN 24017	
19	.....	4	Safety washer	A6.4 DIN 6797	
20	A2427010650	1	Sealing set brake		Pos.21 – 27
21	.....	1	Sealing ring V-seal		
22	.....	1	Bushing		
23	.....	1	Round sealing ring	21.3×2.4	
24	.....	1	Plug		
25	.....	1	Plug		
26	.....	2	Round sealing ring	142.2×1.78 NBR70	
27	.....	3	Retaining ring	25×1.2 DIN 471	
30	A2427013650	1	Bearings and sealings		Pos.31 – 37
31	.....	2	Round sealing ring	145.2×1.78 NB70	
32	.....	1	Retaining ring	80×2.5 DIN 472	
33	.....	1	Bearing	6307-2Z/C3/HT	
34	.....	1	Retaining ring	35×1.5 DIN 471	
35	.....	1	Shaft seal	AS32×52×7 Viton	
36	.....	1	Round sealing ring	70×2 NB70	
37	.....	1	Bearing	6307-2Z/C3/HT	
45	A2427014650	1	Gear motor screws		Pos.36, 46 – 47
46	.....	4	Screw	M10×30 ISO 4762	

Spare parts list YKA/SKA

Item	Part no.	Qty.	Description	Specification	Comment
47	.....	4	Safety washer	S10	
50	A2427016650	1	Terminal box cover		Pos.51
51	.....	4	Screw	M6×20 ISO 1207-4.8	
52	A5675560	1	Encoder connection set		
55	A2427020650	1	Shaft extension set	MF10	
56	A70006916	1	Encoder set	600 ppr HTL	
56	A70006925	1	Encoder set	1024 ppr HTL	

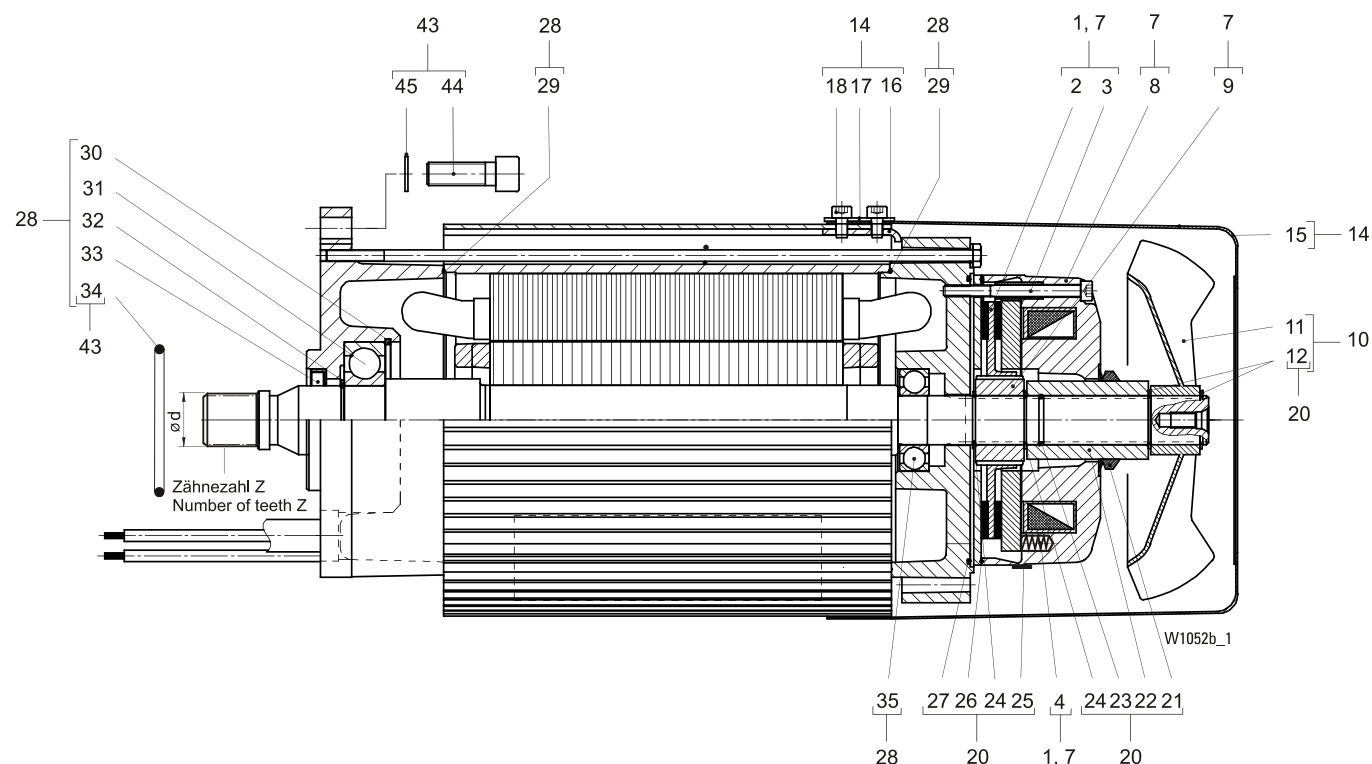
1) Please state operating voltage, frequency and wire rope hoist type

2) Coil voltage / operating voltage motor

3) Calculating of drum speed = reeving × hoist speed e.g. YKB-T05-020S **2** **20** -2-54
reeving hoist speed

Spare parts list YKA/SKA

12/2H42-MF hoist motor



Item	Part no.	Qty.	Description	Specification	Comment
	A70001637	1	Motor	YKA/SKA w. drum speed 100, 128 fpm	Pos.43 1), 4)
	A70001640	1	Motor	YKA/SKA w. drum speed 160, 200 fpm	Pos.43 1), 4)
1	A2327043650	1	Brake rotor spare part set		Pos.2 – 4, 20
7	A2327024650	1	Brake compl.	100 V / 180 – 460 V, 50 Hz	Pos.1, 8 – 9, 20 2)
7	A2327025650	1	Brake compl.	130 V / 500 – 525 V, 50 Hz	Pos.1, 8 – 9, 20 2)
7	A2327026650	1	Brake compl.	150 V / 575 – 690 V, 50 Hz	Pos.1, 8 – 9, 20 2)
9	A5674840	1	Hub		
10	A2327000650	1	Fan wheel set		Pos.11 – 12
11	.....	1	Fan wheel		
12	.....	2	Retaining ring	25×1.2 DIN 471	
14	A2327001650	1	Fan cover set		Pos.15 – 18
15	.....	1	Fan cover		
16	.....	2	Tread block		
17	.....	4	Safety washer	S6	
18	.....	4	Screw	M6×10 DIN 7984-8.8	
20	A2327006650	1	Sealing set brake		Pos.21 – 27
21	.....	1	Sealing ring V-seal		
22	.....	1	Bushing		
23	.....	1	Round sealing ring	21.3×2.4	
24	.....	4	Retaining ring	25×1.2 DIN 471	
25	.....	1	Plug		
26	.....	1	Round sealing ring	142×2	
27	.....	1	Round sealing ring	140×1.5	
28	A2327002650	1	Bearings and sealings		Pos.29 – 35
29	.....	2	Round sealing ring	145.2×1.78 DIN 3771	
30	.....	1	Retaining ring	80×2.5 DIN 472	
31	.....	1	Bearing	6307-2RS DIN 625	3)
32	.....	1	Retaining ring	35×1.5 DIN 471	
33	.....	1	Shaft seal	A32×52×7 DIN 3760	3)
34	.....	1	Round sealing ring	70×2 NB70	

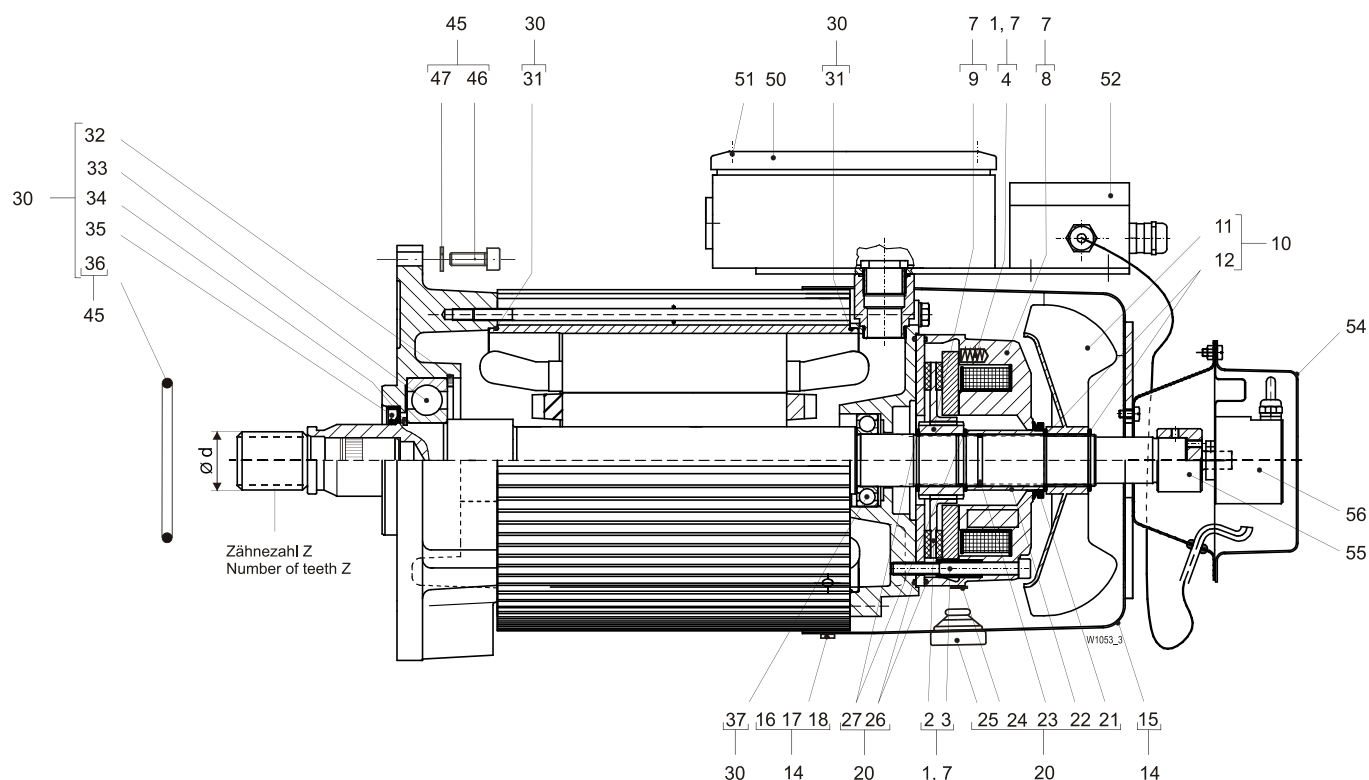
Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification		Comment
35	.....	1	Bearing	6205-2RS	DIN 625	
43	A2327003650	1	Gear motor screws			Pos.34, 44 – 45
44	.....	4	Screw	M10×30	ISO 4762	
45	.....	4	Safety washer	S10		

- 1) Please state operating voltage, frequency and wire rope hoist type
- 2) Coil voltage / operating voltage motor
- 3) Only replaceable at YKA/SKA w. drum speed = 100 – 128 fpm, Z=9, d<1.38 in'
- 4) Calculating of drum speed = reeving × hoist speed e.g. YKB-T05-020S **2** **20** -2-54
reeving hoist speed

4H42-MF hoist motor



Item	Part no.	Qty.	Description	Specification	Comment
	A70001650	1	Motor	YKA/SKA w. drum speed 100, 128 fpm	Pos.45 1), 4)
	A70001661	1	Motor	YKA/SKA w. drum speed 160, 200 fpm	Pos.45 1), 4)
	A70001663	1	Motor	YKA/SKA w. drum speed 248 fpm	Pos.45 1), 4)
1	A2327043650	1	Brake rotor spare part set		Pos.2 – 4, 20
7	A2327022650	1	Brake compl.	180 V / 380 – 415 V, 100 Hz	Pos.1, 8 – 9, 20 2)
7	A2327023650	1	Brake compl.	240 V / 500 – 525 V, 100 Hz	Pos.1, 8 – 9, 20 2)
9	A5674840	1	Hub		
10	A2327000650	1	Fan wheel set		Pos.11 – 12
11	.....	1	Fan wheel		
12	.....	2	Retaining ring	25×1.2 DIN 471	
14	A2327013650	1	Fan cover set		Pos.15 – 18
15	.....	1	Fan cover		
16	.....	4	Screw	M6×10 DIN 7984	
17	.....	4	Safety washer	S6	
18	.....	4	Tread block		
20	A2327006650	1	Sealing set brake		Pos.21 – 27
21	.....	1	Sealing ring V-seal		
22	.....	1	Bushing		
23	.....	1	Round sealing ring	21.3×2.4	
24	.....	1	Plug		
25	.....	1	Plug		
26	.....	1	Round sealing ring	118×2	
27	.....	2	Retaining ring	25×1.2 DIN 471	
30	A2327002650	1	Bearings and sealings		Pos.31 – 37
31	.....	2	Round sealing ring	145.2×1.78 DIN 3771	
32	.....	1	Retaining ring	80×1.5 DIN 472	
33	.....	1	Bearing	6307-2RS DIN 625	3)
34	.....	1	Retaining ring	35×1.5 DIN 471	
35	.....	1	Shaft seal	A32×52×7 DIN 3760	3)

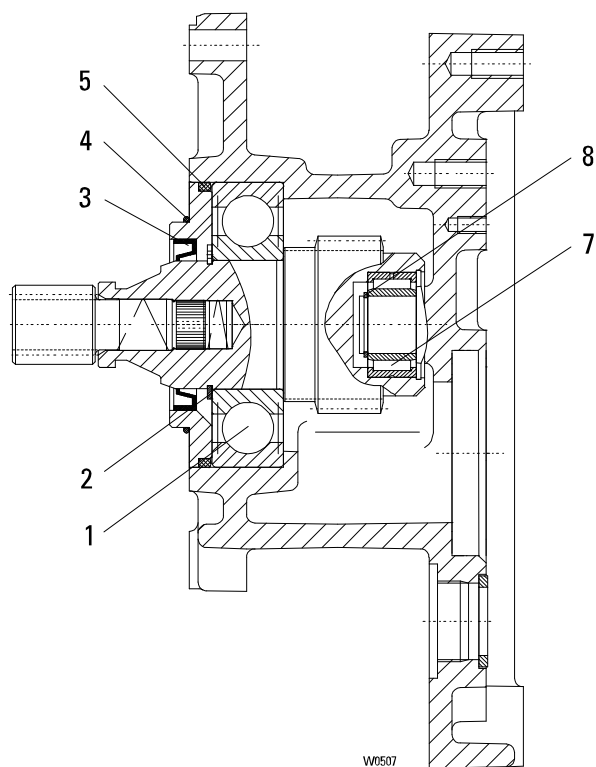
Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification		Comment
36	.....	1	Round sealing ring	70×2	NB70	
37	.....	1	Bearing	6205-2RS	DIN 625	
45	A2327003650	1	Gear motor screws			Pos.36, 46 – 47
46	.....	4	Screw	M10×30	ISO 4762	
47	.....	4	Safety washer	S10		
50	A2327017650	1	Terminal box cover			Pos.51
51	.....	4	Screw	M6×20	ISO 1207	
52	A5675560	1	Encoder connection set			
54	A5675550	1	Cover encoder			
55	A2427020650	1	Shaft extension set	MF10		
56	A2727083650	1	Encoder set	600 ppr HTL		
56	A2727084650	1	Encoder set	1024 ppr HTL		

- 1) Please state operating voltage, frequency and wire rope hoist type
- 2) Coil voltage / operating voltage motor
- 3) Only replaceable at YKA/SKA w. drum speed = 100 – 128 fpm, Z=9, d<1.38 in'
- 4) Calculating of drum speed = reeving × hoist speed
e.g. YKB-T05-020S **2** **20** -2-54
reeving hoist speed

Intermediate gear

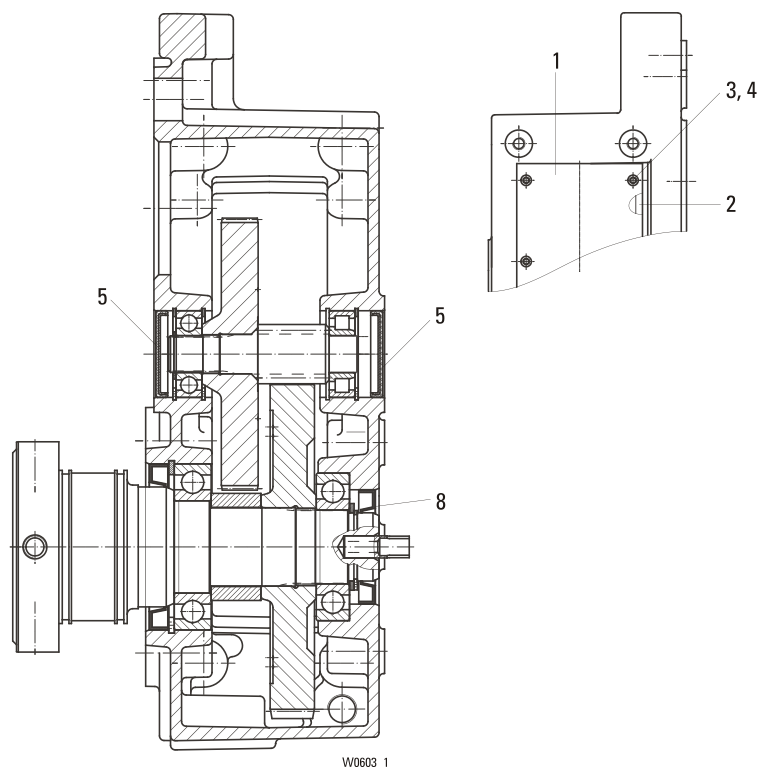


Item	Part no.	Qty.	Description	Specification	Comment
	A2427037300	1	Intermediate gear	YKA/SKA w. drum speed 40 fpm	1)
	A2427037300	1	Intermediate gear	YKA/SKA w. drum speed 36 fpm	1)
	A2427040300	1	Intermediate gear	YKA/SKA w. drum speed 28 fpm	1)
1	A5608290	1	Bearing	6309-27	DIN 625
2	A5061010	1	Retaining ring	45×1.75	DIN 471
3	A5610260	1	Shaft seal	45×60×8 NB	DIN 3760
4	A5159530	1	Round sealing ring	70×2	NB70
5	A5159700	1	Round sealing ring	90×4	NB70
7	A5609950	1	Bearing	NA 4904	DIN 5617
8	A5071220	1	Snap ring	SW 20	

1) Calculating of drum speed = reeving × hoist speed

e.g. YKB-T05-020S 2 20 -2-54
reeving hoist speed

Gear



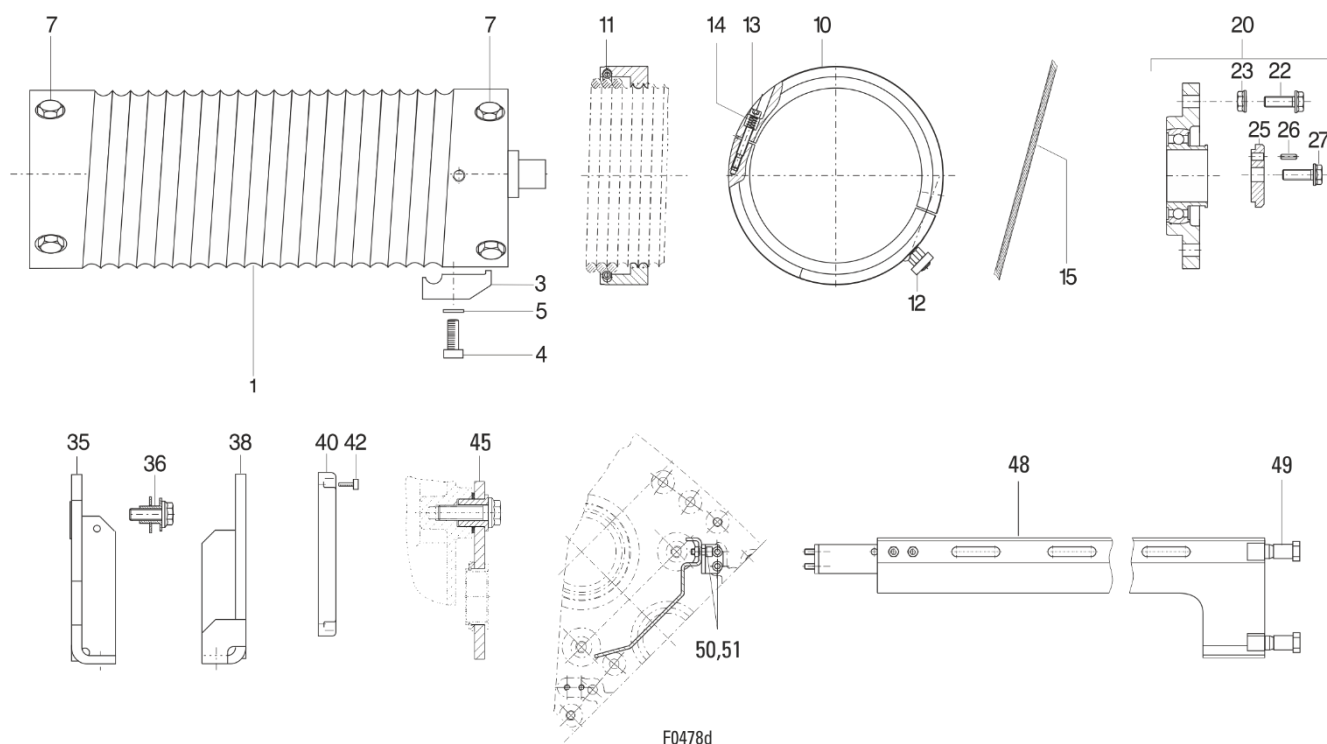
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Item	Part no.	Qty.	Description	Specification	Comment
	A2327000300	1	Gear	YKA/SKA w. drum speed 48 fpm	1), 2)
	A2327000300	1	Gear	YKA/SKA w. drum speed 28 fpm	1), 2)
	A2327001300	1	Gear	YKA/SKA w. drum speed 64 fpm	1), 2)
	A2327001300	1	Gear	YKA/SKA w. drum speed 36 fpm	1), 2)
	A2327002300	1	Gear	YKA/SKA w. drum speed 80 fpm	1), 2)
	A2327002300	1	Gear	YKA/SKA w. drum speed 40 fpm	1), 2)
	A2327003300	1	Gear	YKA/SKA w. drum speed 100 fpm	1), 2)
	A2327004300	1	Gear	YKA/SKA w. drum speed 128 fpm	1), 2)
	A2327005300	1	Gear	YKA/SKA w. drum speed 160 fpm	1), 2)
	A2327006300	1	Gear	YKA/SKA w. drum speed 200 fpm	1), 2)
	A2327007300	1	Gear	YKA/SKA w. drum speed 248 fpm	1), 2)
1	A2327300960	1	Cover		
2	A2327300950	1	Seal		
3	A5008100	8	Screw	M6×16	DIN 6912-8.8
4	A5068380	8	Safety washer	S16	
5	A5180410	2	End cap	47×6.5	
8	A5610270	1	Shaft seal	37×62×9 NB	DIN 3760

1) Gear only available as complete unit except the signed parts. Without gear oil: amount required see operating instruction

2) Calculating of drum speed = reeving × hoist speed
e.g. YKB-T05-020S 2 20 -2-54
reeving hoist speed

Rope drum



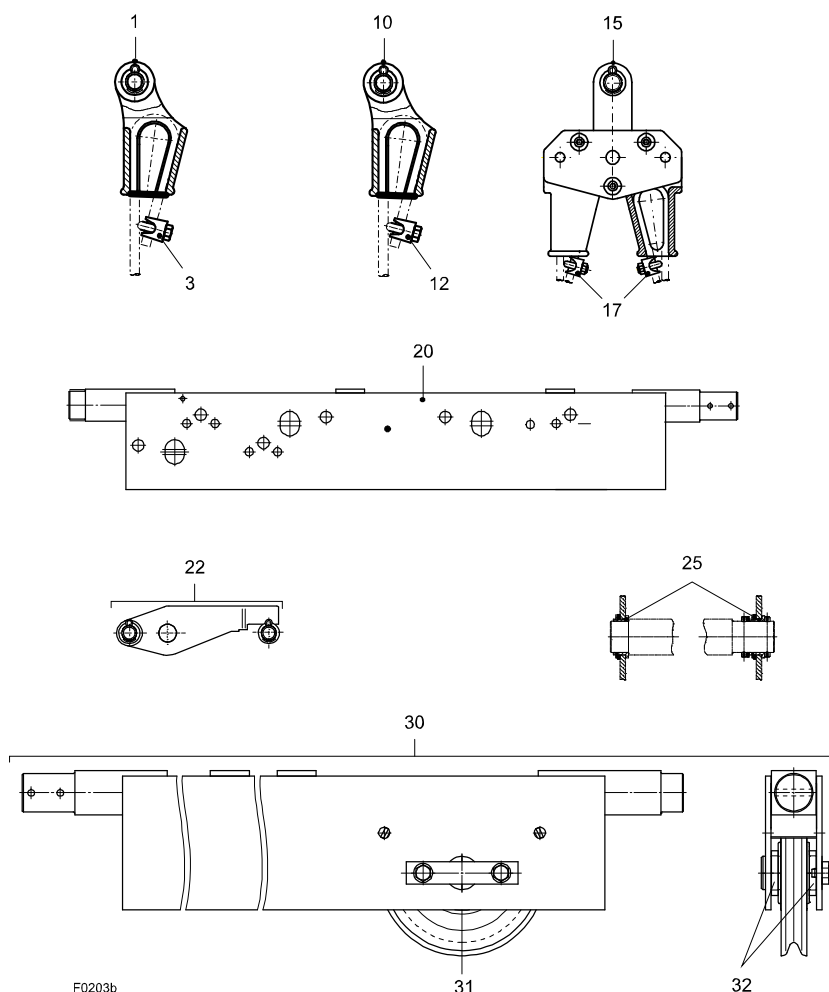
Item	Part no.	Qty.	Description	Specification	Comment
1	A70032647	1	Rope drum - left version	.PS L2	Pos.7, 20
1	A70032663	1	Rope drum - left version	.PS L3	Pos.7, 20
1	A70032667	1	Rope drum - right/left version	.PD L2	Pos.7, 20
1	A70032671	1	Rope drum - right/left version	.PD L3	Pos.7, 20
3	A0443001460	3	Clamping plate	.PS Rope D 0.26 – 0.28 in	Pos.4 – 5
4	A5002900	3	Screw	M10×20 DIN 6912-8.8	
5	A5068400	3	Safety washer	S10	
3	A0343000460	6	Clamping plate	.PD Rope D 0.22 in	Pos.4 – 5
4	A5008100	6	Screw	M6×16 DIN 6912-8.8	
5	A5068380	6	Safety washer	S6	
7	A70034278	2	Screw set	M12×35 DIN 7968-8.8	
10	A0343002430	1	Rope guide ring - left version	.PS Rope D 0.26 – 0.28 in	Pos.11 – 14
10	A0343000430	1	Rope guide ring - left version	.PD Rope D 0.22 in	Pos.11 – 14
10	A0343001430	1	Rope guide ring - right version	.PD Rope D 0.22 in	Pos.11 – 14
11	A0343400940	1	Tension spring		
12	A0443002470	1	Guide part		
13	A2133400900	2	Screw		
14	A2233401940	2	Pressure spring		
15	.....	1	Wire rope	See data sheet	
20	A0343000650	1	Flange bearing	INA PME 25	Pos.22 – 27
22	.....	4	Locking screw	M8×25	
23	.....	4	Locking nut	M8	
25	.....	1	Holding disc		
26	.....	1	Spring-type straight pin	5×10 ISO 8752	
27	.....	1	Locking screw	M8×25	
35	A0343200010	1	Support plate gear side	Stationary, upright	
35	A0343202010	1	Support plate gear side	Stationary, suspended	
36	A0343000260	2	Bushing		
38	A0343201010	1	Support plate bearing side	Stationary, upright	
38	A0343203010	1	Support plate bearing side	Stationary, suspended	

Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification	Comment
40	A70021646	1	End cover	YK	Pos.42
40	A70021649	1	End cover	SK	Pos.42
42	.....	4	Screw	M6×20 DIN 7516	
45	A0343004280	1	Bearing plate	Stationary, suspended	
48	A0343000220	1	Grease box	L2	Pos.49 – 51
48	A0343001220	1	Grease box	L3	Pos.49 – 51
49	A0443200900	2	Screw		
50	.....	4	Screw	M6×16 ISO 4762	
51	.....	4	Safety washer	S6	

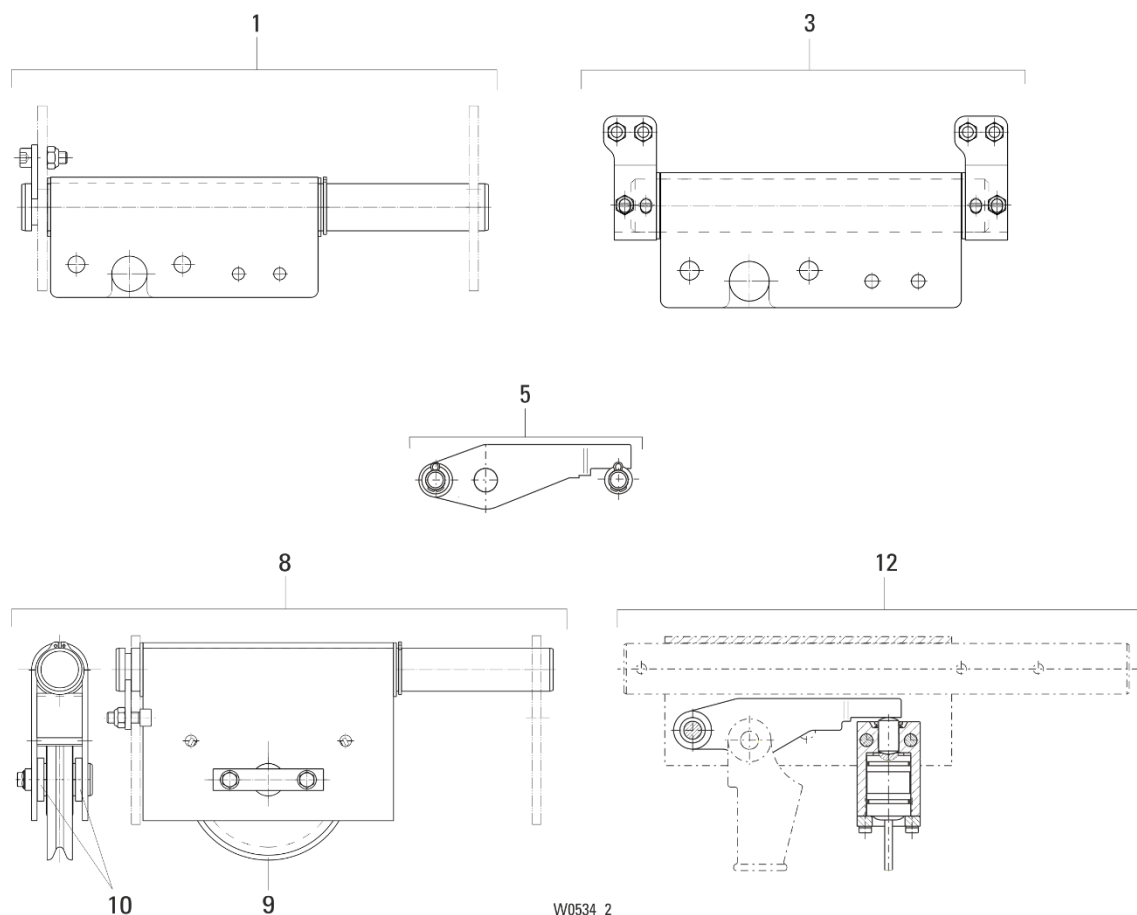
Stationary rope suspension



Item	Part no.	Qty.	Description	Specification	Comment
1	A0343002480	1	Clamp	Rope D 0.24 – 0.26 in	Pos.3
3	A5179930	1	Wire rope clamp	Size 6	
10	A0343003480	1	Clamp	Rope D 0.28 – 0.30 in	Pos.12
12	A5170050	1	Wire rope clamp	Size 8	
15	A0343000230	1	Rocking bar		Pos.17
17	A5179930	2	Wire rope clamp	Size 6	
20	A0343000280	1	Suspension traverse	L2	
20	A0343001280	1	Suspension traverse	L3	
22	A0343007280		Suspension		x)
25	A0343001260		Bushing		x)
30	A0343000270	1	Deflection cross bar	L2	Rope D 0.26 – 0.28 in
30	A0343001270	1	Deflection cross bar	L3	Rope D 0.26 – 0.28 in
30	A0343005270	1	Deflection cross bar	L2	Rope D 0.22 – 0.24 in
30	A0343006270	1	Deflection cross bar	L3	Rope D 0.22 – 0.24 in
31	A0143000530	1	Rope pulley	D 4.9 in	Rope D 0.26 – 0.28 in
31	A0143012530	1	Rope pulley, intensified	D 4.9 in	Rope D 0.26 – 0.28 in
31	A0143010530	1	Rope pulley	D 4.7 in	Rope D 0.22 – 0.24 in
32	A1627700520	2	Bushing	40/30.5/6	

x) Quantity as required

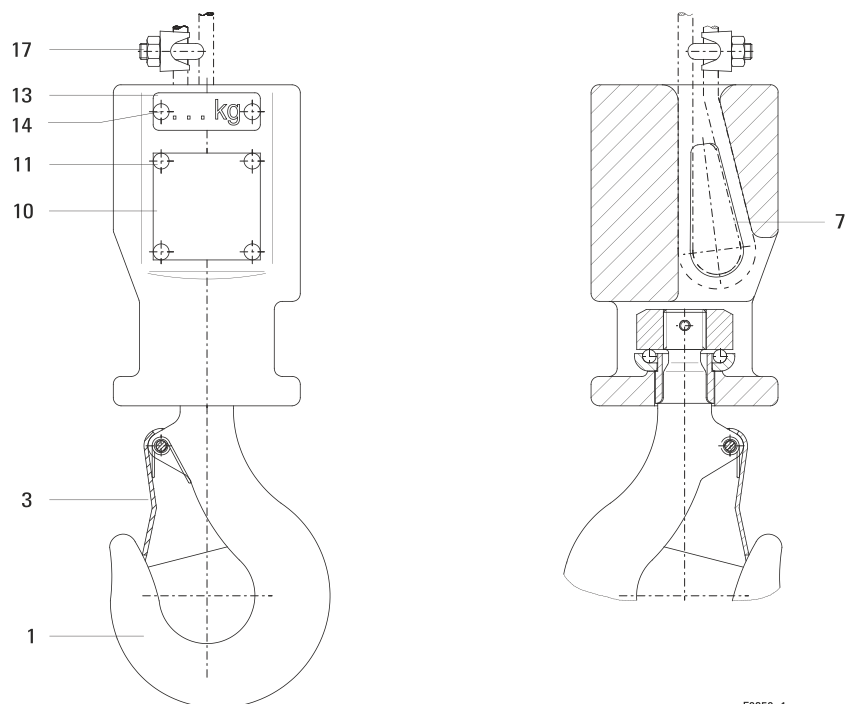
Rope suspension



W0534_2

Item	Part no.	Qty.	Description	Specification	Comment
1	A0343008280	1	Suspension	KE-S3, OE-S04 2PS, 4PS	
3	A0343009280	1	Suspension	KE-S3 4PS	
5	A0343007280	1	Suspension		
8	A0343004270	1	Deflection cross bar	KE-S3, OE-S04 Rope D 0.26 – 0.28 in	Pos.9 – 10
8	A0343008270	1	Deflection cross bar	KE-S3, OE-S04 Rope D 0.22 – 0.24 in	Pos.9 – 10
9	A0143000530	1	Rope pulley	D 4.9 in Rope D 0.26 – 0.28 in	
9	A0143012530	1	Rope pulley, intensified	D 4.9 in Rope D 0.26 – 0.28 in	
9	A0143010530	1	Rope pulley	D 4.7 in Rope D 0.22 – 0.24 in	
10	A1627700520	2	Bushing	40/30.5/6	
12	A0343027830	1	Load sensor	200 – 329 daN LCD1-090	
12	A0343017830	1	Load sensor	330 – 560 daN LCD1-150	
12	A0343028830	1	Load sensor	561 – 589 daN LCD1-200	
12	A0343018830	1	Load sensor	590 – 800 daN LCD1-270	
12	A0343004650	1	Load sensor	250 – 570 daN LCP1-150, SLE3	
12	A0343005650	1	Load sensor	600 – 800 daN LCP1-350, SLE3	

H86-1 bottom hook block

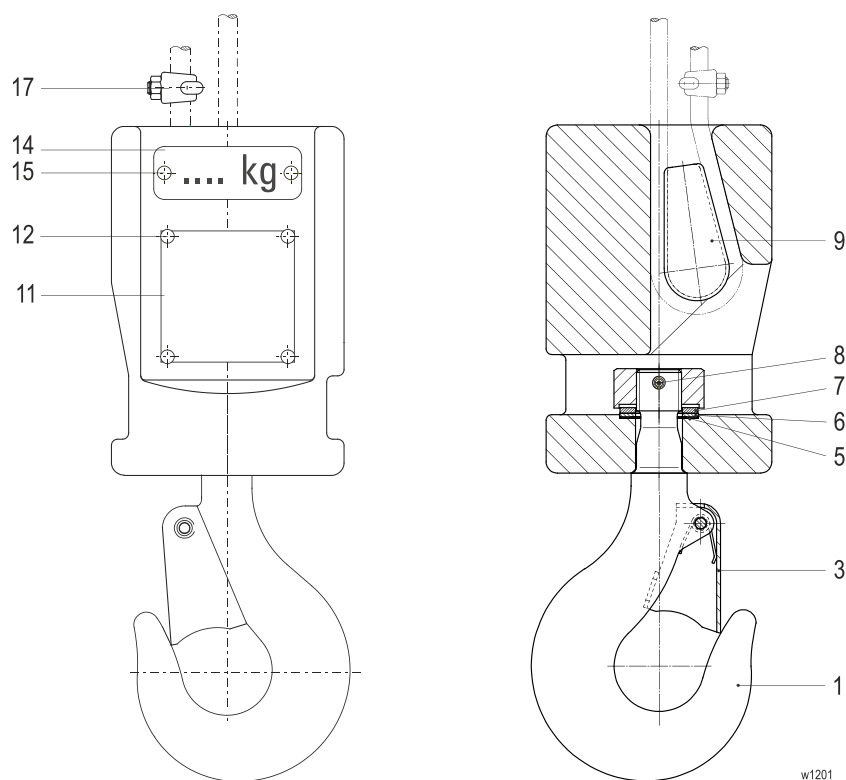


F0250 1

Item	Part no.	Qty.	Description	Specification	Comment
	A0143017590	1	Bottom hook block	H86-1 E-Ha	1)
1	A0143004520	1	Load hook	RSN 025 E-Ha	Pos.3
3	A5210070	1	Safety catch		
7	A0343202660	1	Rope wedge		
10	A70001701	2	Name plate set		Pos.11
11	A5078310	4	Blind rivet	3×5	
13	A70001704	2	S.W.L.-sign set	250 kg	Pos.14
13	A70001709	2	S.W.L.-sign set	300 kg	Pos.14
13	A70001710	2	S.W.L.-sign set	320 kg	Pos.14
13	A70001712	2	S.W.L.-sign set	500 kg	Pos.14
14	A5078310	2	Blind rivet	3×5	
17	A5179930	1	Wire rope clamp	Size 6	

1) Please state capacity

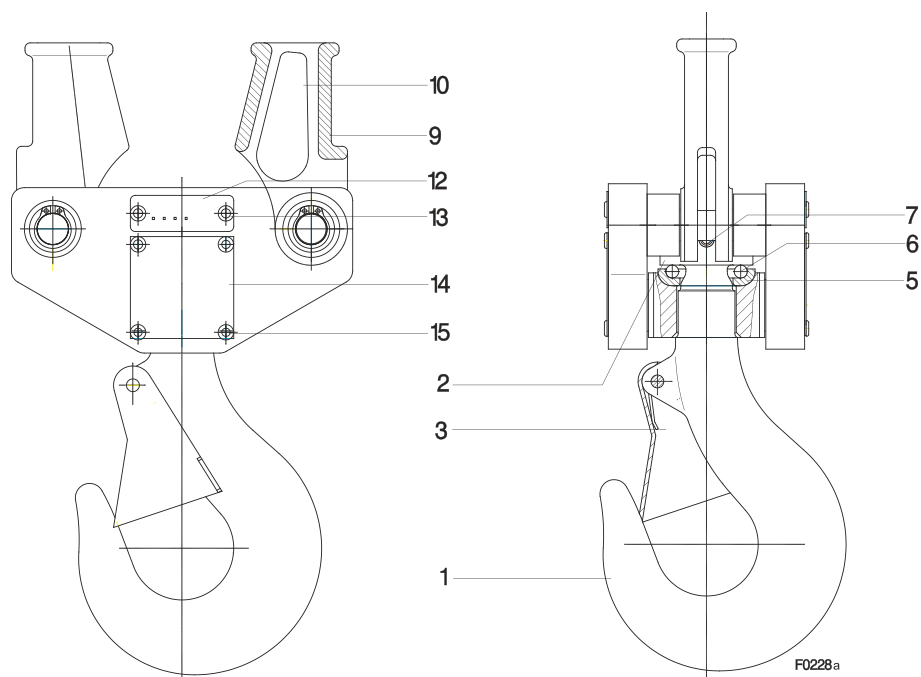
H122-1 bottom hook block



w1201

Item	Part no.	Qty.	Description	Specification	Comment
	A70006719	1	Bottom hook block	H122-1 E-Ha 500 kg	
	A0143018590	1	Bottom hook block	H122-1 E-Ha 630 kg	
	A70006723	1	Bottom hook block	H122-1 E-Ha 750 kg	
	A0143019590	1	Bottom hook block	H122-1 E-Ha 1000 kg	
	A70006731	1	Bottom hook block	H122-1 E-Ha 1250 kg	
	A70006748	1	Bottom hook block	H122-1 E-Ha 1600 kg	
1	A70001746	1	Load hook set	RSN 0.8 E-Ha	Pos.2 – 8
3	A5210080	1	Safety catch	RSN 08	
5	.....	1	Disc	CP 2542	
6	A70046202	1	Bearing set	AXK2542	Pos.8
7	.....	1	Disc	CP 3×25×42	
8	A5041090	1	Spring-type straight pin	6×40 ISO 8752	
9	A0143500660	1	Rope wedge		
11	A70001728	2	Name plate set		Pos.12
12	A5078310	4	Blind rivet	3×5	
14	A70001731	2	S.W.L.-sign set	500 kg	Pos.15
14	A70001732	2	S.W.L.-sign set	630 kg	Pos.15
14	A70001738	2	S.W.L.-sign set	750 kg	Pos.15
14	A70001739	2	S.W.L.-sign set	1000 kg	Pos.15
14	A70001742	2	S.W.L.-sign set	1250 kg	Pos.15
14	A70001744	2	S.W.L.-sign set	1600 kg	Pos.15
15	A5078310	2	Blind rivet	3×5	
17	A5170050	1	Wire rope clamp	Size 8	

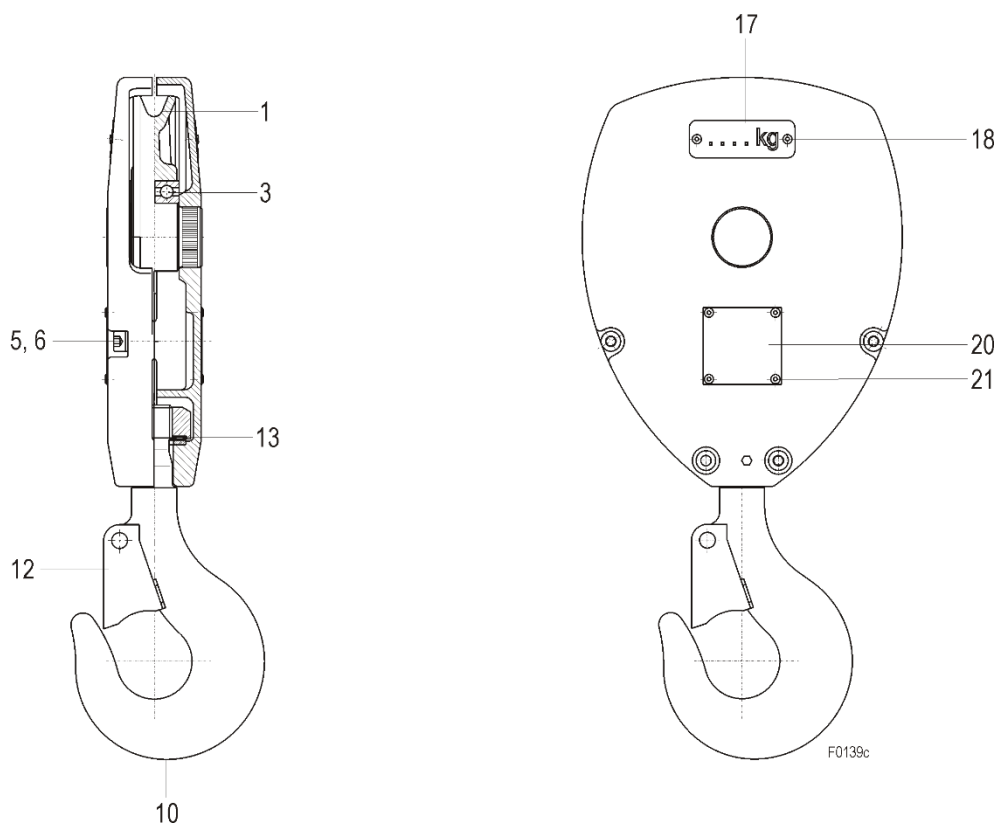
T100-2 hook traverse



Item	Part no.	Qty.	Description	Specification	Comment
	A0143012560	1	Hook traverse	T100-2 E-Ha	1)
1	A0333001520	1	Load hook	RSN 04 E-Ha	Pos.2 – 7
3	A0432050560	1	Safety catch		
5	A0432500550	1	Ball cup		
6	A0432100220	16	Ball		
7	A5041090	1	Spring-type straight pin	6×40 ISO 8752	
9	A0343203100	2	Lock for wire rope		
10	A0343200660	2	Rope wedge		
12	A70001712	2	S.W.L.-sign set	500 kg	Pos.13
12	A70001755	2	S.W.L.-sign set	630 kg	Pos.13
12	A70001758	2	S.W.L.-sign set	800 kg	Pos.13
13	A5078310	4	Blind rivet	3×5	
14	A70001701	2	Name plate set		Pos.15
15	A5078310	4	Blind rivet	3×5	

1) Please state capacity

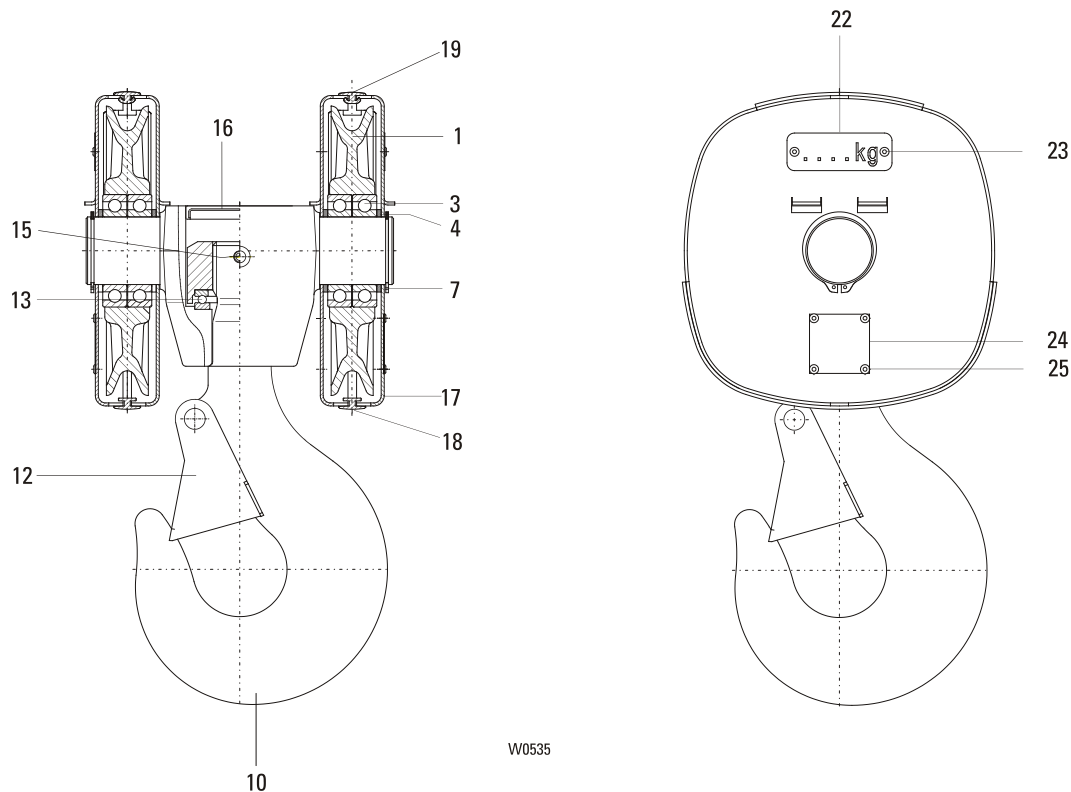
H125-2, H126-2 bottom hook block



Item	Part no.	Qty.	Description	Specification	Comment
	A0143070500	1	Bottom hook block	H125-2 E-Ha 650 kg	
	A0143072500	1	Bottom hook block	H125-2 E-Ha 1000 kg	
	A0143071500	1	Bottom hook block	H125-2 E-Ha 1 ton	
	A0143073500	1	Bottom hook block	H125-2 E-Ha 1250 kg	
	A0143074500	1	Bottom hook block	H125-2 E-Ha 1600 kg	
	A0143061500	1	Bottom hook block	H126-2 E-Ha	1)
1	A0143000530	1	Rope pulley	D 4.9 in H125-2	Pos.3
1	A0143012530	1	Rope pulley, intensified	D 4.9 in H125-2	Pos.3
1	A0143010530	1	Rope pulley	D 4.7 in H126-2	
3	A5609360	2	Bearing	6006-2Z DIN 625	
5	A5009800	4	Screw	M8×45 DIN 912-8.8	
6	A5068390	8	Safety washer	S8	
10	A0143013520	1	Load hook	RSN 08 E-Ha	Pos.12 – 13
12	A2433050570	1	Safety catch		
13	A70046202	1	Bearing set		
17	A70005126	2	S.W.L.-sign set	650 kg	Pos.18
17	A70001739	2	S.W.L.-sign set	1000 kg	Pos.18
17	A70005130	2	S.W.L.-sign set	1 ton	Pos.18
17	A70001742	2	S.W.L.-sign set	1250 kg	Pos.18
17	A70001744	2	S.W.L.-sign set	1600 kg	Pos.18
18	A5078310	2	Blind rivet	3×5	
20	A70001759	2	Name plate set		Pos.21
21	A5078310	4	Blind rivet	3×5	

1) Please state capacity

H100-4 bottom hook block

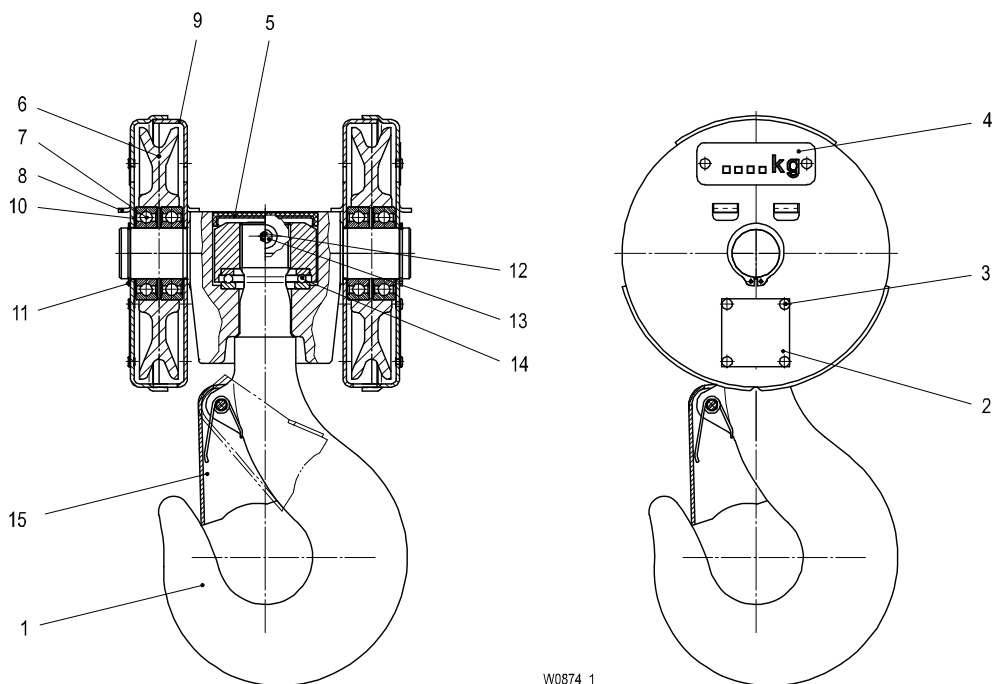


W0535

Item	Part no.	Qty.	Description	Specification	Comment
	A0143013510	1	Bottom hook block	H100-4 E-Ha	1)
1	A0143001530	2	Rope pulley	D 3.9 in, H100-4	Rope D 0.16 – 0.22 in
3	A5609510	4	Bearing	6005-2RS	DIN 625
4	A5070240	4	Supporting ring	S25×35×2	DIN 988
7	A5060970	2	Retaining ring	25×1.2	DIN 471
10	A70004729	1	Load hook	RSN 08 E-Ha	Pos.12 – 15
12	A2433050570	1	Safety catch		
13	A70045750	1	Bearing set	51105	DIN 711
15	A5041090	1	Spring-type straight pin	6×40	ISO 8752
16	A5180370	1	End cap	52×10	
17	A70001702	4	Protection hood	Painted	
18	A0143505570	2	Joining element	bottom	
19	A0143504570	2	Joining element	upper	
22	A70001739	2	S.W.L.-sign set	1000 kg	Pos.23
22	A70001742	2	S.W.L.-sign set	1250 kg	Pos.23
22	A70001744	2	S.W.L.-sign set	1600 kg	Pos.23
23	A5078310	2	Blind rivet	3×5	
24	A70001701	2	Name plate set		Pos.25
25	A5078310	4	Blind rivet	3×5	

1) Please state capacity

H125-4, H126-4 bottom hook block



W0874_1

Item	Part no.	Qty.	Description	Specification	Comment
	A0143090510	1	Bottom hook block	H125-4 E-Ha 2 ton	
	A0143003510	1	Bottom hook block	H125-4 E-Ha 3 ton	
	A0143000510	1	Bottom hook block	H125-4 E-Ha 500 kg	
	A0143001510	1	Bottom hook block	H125-4 E-Ha 1000 kg	
	A0143000560	1	Bottom hook block	H125-4 E-Ha 1600 kg	
	A0143002510	1	Bottom hook block	H125-4 E-Ha 2000 kg	
	A0143018560	1	Bottom hook block	H125-4 E-Ha 2500 kg	
	A0143004510	1	Bottom hook block	H125-4 E-Ha 3000 kg	
	A0143005510	1	Bottom hook block	H125-4 E-Ha 3200 kg	
	A70028004	1	Bottom hook block	H126-4 E-Ha 2000 kg	
1	A70004731	1	Load hook	No. 1.6 E-Ha	Pos.12 – 15
2	A70001701	2	Name plate set		Pos.3
3	A5078310	4	Blind rivet	3×5	
4	A70005137	2	S.W.L.-sign set	2 ton	Pos.3
4	A70008261	2	Load plate	2.5 ton	1)
4	A70005139	2	S.W.L.-sign set	3 ton	Pos.3
4	A70001731	2	S.W.L.-sign set	500 kg	Pos.3
4	A70001739	2	S.W.L.-sign set	1000 kg	Pos.3
4	A70001744	2	S.W.L.-sign set	1600 kg	Pos.3
4	A70001956	2	S.W.L.-sign set	2000 kg	Pos.3
4	A70001971	2	S.W.L.-sign set	2500 kg	Pos.3
4	A70005185	2	S.W.L.-sign set	3000 kg	Pos.3
4	A70001973	2	S.W.L.-sign set	3200 kg	Pos.3
3	A5078310	2	Blind rivet	3×5	
5	A5180340	1	End cap		
6	A0143000530	2	Rope pulley	D 4.9 in H125-4	Pos.7
6	A0143012530	2	Rope pulley, intensified	D 4.9 in H125-4	Pos.7
6	A0143010530	2	Rope pulley	D 4.7 in H126-4	Pos.7
7	A5609360	4	Bearing	6006-2Z DIN 625	
8	A70001979	2	Protection hood	Outside, painted	
9	A70001980	2	Protection hood	Inside, painted	

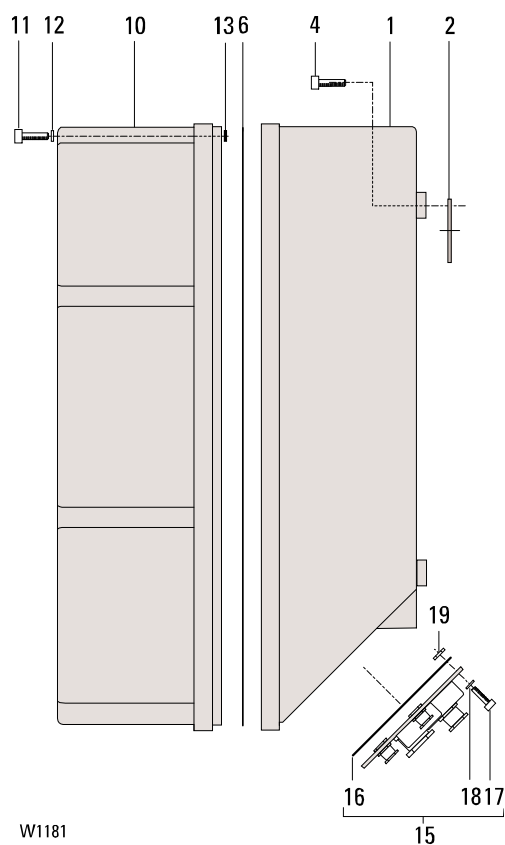
Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification		Comment
10	A5065680	6	Adjusting washer	30×42×0.5	DIN 988	
11	A5060980	2	Retaining ring	30×1.5	DIN 471	
12	A5042460	1	Spring-type straight pin	6×60	ISO 8752	
13	A5158000	2	Plug			
14	A70045752	1	Bearing set	51107	DIN 711	Pos.12
15	A1532053560	5	Safety catch			
15	A5210090	1	Safety catch			

1) Always order item 3 in addition

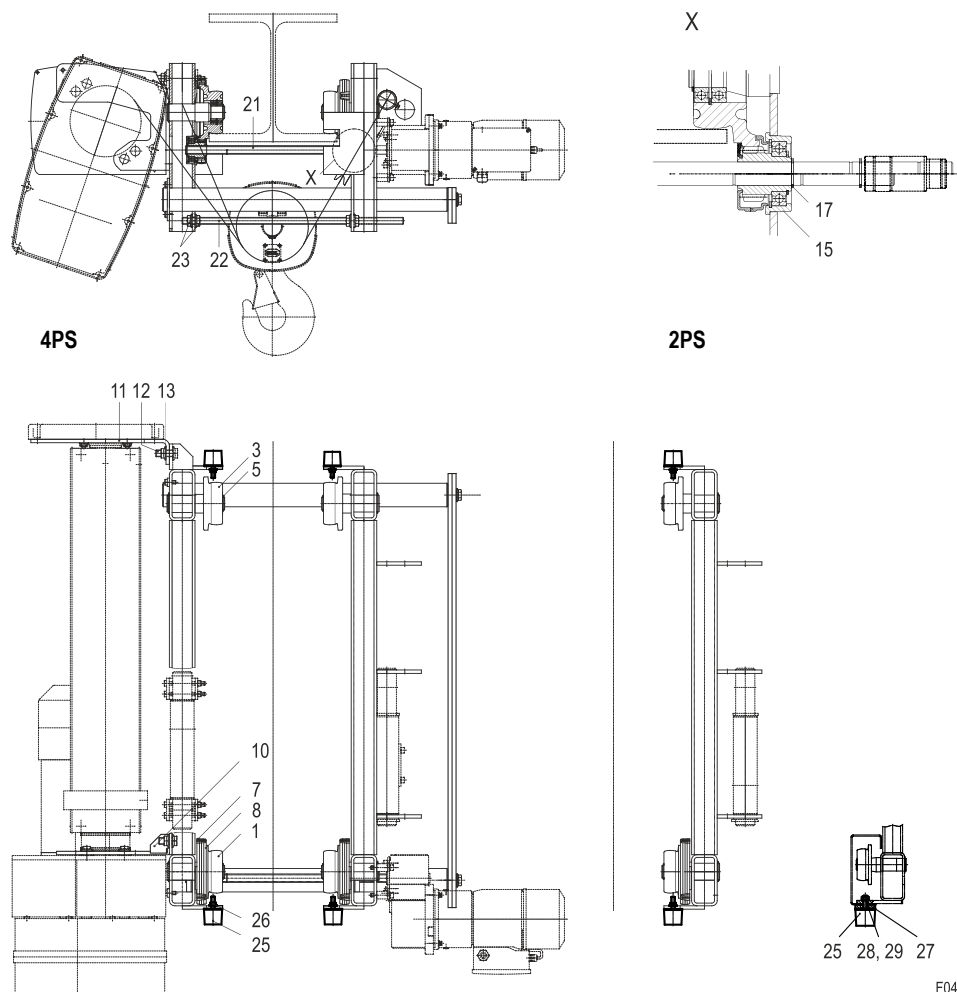
Terminal box



Item	Part no.	Qty.	Description	Specification	Comment
1	A70021586	1	Terminal box	YK	Pos.2
1	A70021591	1	Terminal box	SK	Pos.2
2	A0443902950	1	Sealing ring		
4	A5009120	4	Screw	M6×25	DIN 933-8.8
6	A0443901950	1	Seal		
10	A70021595	1	Box cover	YK	
10	A70021623	1	Box cover	SK	
11	A5002280	8	Screw	M5×20	DIN 912-8.8
12	A5070510	8	Safety washer	S5	
13	A5150070	8	Round sealing ring	4.0×1.5	
15	A04430..980	1	Flange plate		Pos.16 – 19 1)
16	A0443900950	1	Seal		
17	A5011160	7	Screw	M5×12	DIN 6912
18	A5060830	7	Disc	A5.3	DIN 125
19	A5071300	7	Locking nut	M5	

1) Please state serial no.

KE-S3 trolley

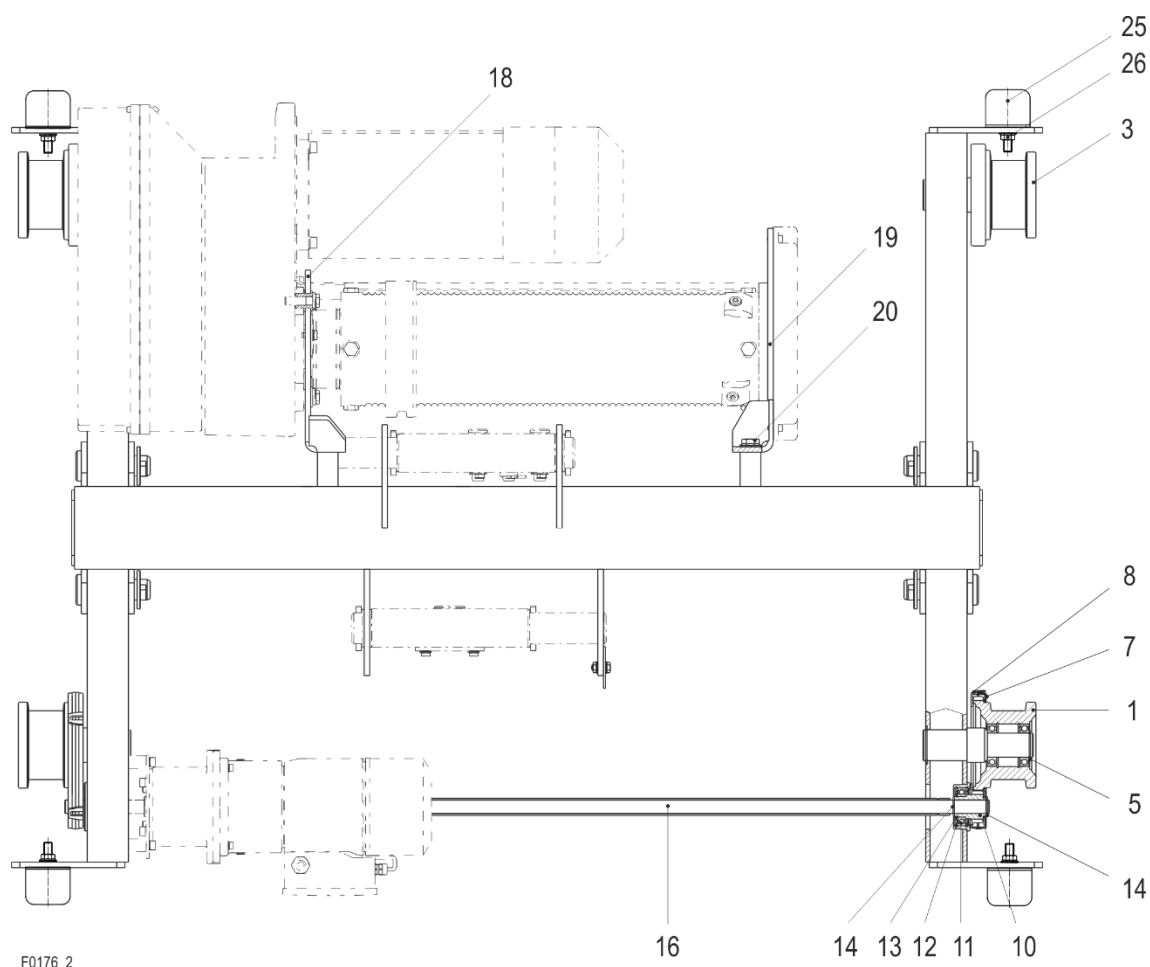


F0479_1

Item	Part no.	Qty.	Description	Specification	Comment
1	A0325006400	2	Wheel set	A80 L3/5	Pos.5
3	A2334000650	2	Wheel set	B80 L3/5	Pos.5
5	A5060970	4	Retaining ring	25×1.2 DIN 471	
7	A0325400400	2	Wheel cover		
8	A0325401400	2	Wheel cover		
10	A0343205010	1	Support plate gear side		
11	A0343204010	1	Support plate bearing side		
12	A5011230	4	Locking screw	M16×30-10	
13	A5071980	4	Locking nut	M16	
15	A2127001390	2	Flange bearing complete		Pos.17
17	A5070980	2	Retaining ring	20×1.75 DIN 471	
21	A2127311600	1	Drive shaft	3.5 – 7.7 in	1)
21	A2127308600	1	Drive shaft	7.7 – 12.0 in	1)
21	A2127312600	1	Drive shaft	12.1 – 15.7 in	1)
21	A2127313600	1	Drive shaft	15.8 – 20.0 in	1)
22	A0250029	2	Threaded bolt	M16×720 DIN 976-8.8	
23	A5071980	8	Locking nut	M16	
25	A2434000450	4	Buffer assembly	No17 220	Pos.26 – 29
26	.....	4	Locking nut	M10	
27	.....	4	Distance disc		
28	.....	4	Safety washer		
29	.....	4	Nut	M10	

1) Flange width

OE-S04 trolley

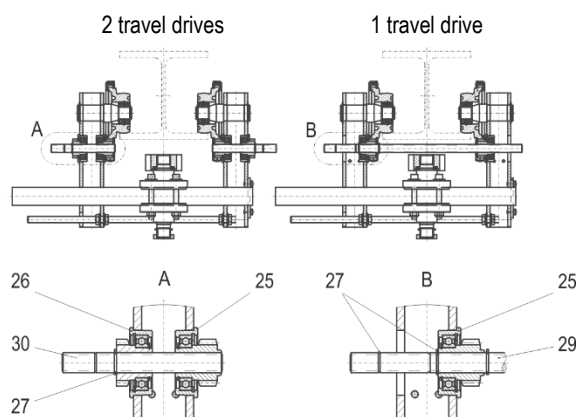
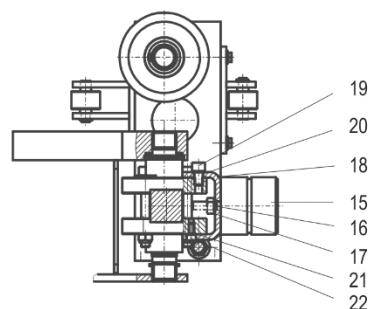
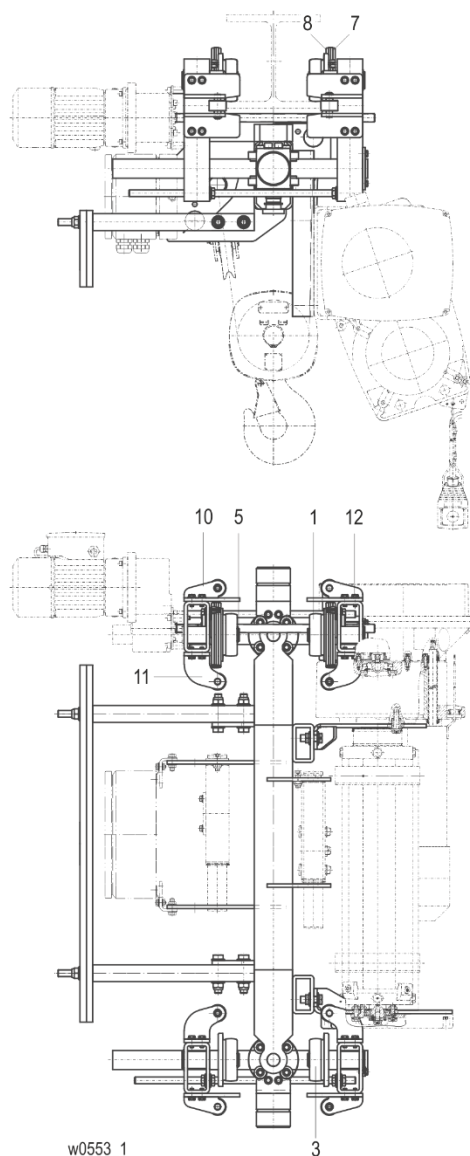


Item	Part no.	Qty.	Description	Specification	Comment
1	A2425005640	2	Wheel set	A100 b1=2.0 in, k=1.6 in	Pos.5 1)
1	A2425006640	2	Wheel set	A100 b1=2.4 in, k=2.0 in	Pos.5 1)
3	A2425007640	2	Wheel set	B100 b1=2.0 in, k=1.6 in	Pos.5 1)
3	A2425008640	2	Wheel set	B100 b1=2.4 in, k=2.0 in	Pos.5 1)
5	A5060990	4	Retaining ring	35×1.5 DIN 471	
7	A0425403400	2	Wheel cover		
8	A0425404400	2	Wheel cover		
10	A2127001390	2	Drive pinion		
11	A5609360	2	Bearing	6006-2Z DIN 625	
12	A5062630	2	Retaining ring	55×2 DIN 472	
13	A5060980	2	Retaining ring	30×1.5 DIN 471	
14	A5070980	2	Retaining ring	20×1.75 DIN 471	
16	A2127305600	1	Drive shaft	49 in	2)
16	A2127303600	1	Drive shaft	55 in	2)
16	A2127304600	1	Drive shaft	88 in	2)
18	A0343205010	1	Support plate gear side		
19	A0343204010	1	Support plate bearing side		
20	A5011230	4	Locking screw	M16×30-10	
25	A5771850	4	Buffer	M12×35	
26	A5078400	4	Locking nut	M12	

1) b1=wheel tread, k=rail width

2) Track gauge

DKE-S4. articulated trolley



Item	Part no.	Qty.	Description	Specification	Comment
1	0425004400	2	Wheel	A100 L3/4	
3	0425003410	2	Wheel	B100 L3/4	
5	5060980	4	Retaining ring	30×1.5 DIN 471	
7	0425403400	2	Wheel cover		
8	0425404400	2	Wheel cover		
10	2434001580	4	Guide roller 2		
11	2434000580	4	Guide roller 1		
12	5011190	32	Locking screw	M8×25	
15	5774150	2	Buffer		
16	5068410	2	Safety washer	S12	
17	5065500	2	Nut	M12 ISO 4032	
18	2434212830	2	Fastening bow		
19	5001500	4	Screw	M12×20 DIN 912-8.8	
20	5068410	4	Safety washer	S12	
21	5068390	4	Safety washer	S8	
22	5001440	4	Screw	M8×16 ISO 4762	
25	2127001390	2	Flange bearing		
26	2127002390	2	Flange bearing		

Spare parts list

YKA/SKA

Item	Part no.	Qty.	Description	Specification	Comment
27	5070980	2	Retaining ring	20×1.75 DIN 471	
29	2127308600	1	Drive shaft	> 3.5 in < 8.7 in	1)
30	2127310600	2	Drive shaft		

1) Flange width

RECOMMENDED SPARE PARTS

Certain parts of your hoist will, in time, require replacement under normal wear conditions. It is suggested that the following parts be purchased for your hoist as spares for future use.

One Brake Friction Disc
One Brake Control Module
One Brake Hardware Kit
One Set of Contactors
One Transformer
One Wire Rope Assembly
One Hook Latch Kit

Note: When ordering parts always furnish Hoist Serial Number, Catalog Number, Motor power, Voltage, Phase, Frequency and Rated Load of Hoist on which the parts are to be used.

PARTS AND SERVICES ARE AVAILABLE IN THE UNITED STATES AND IN CANADA

Parts for your hoist or trolley are available from your local authorized repair station. For the name of the nearest parts or service center, visit our website www.cmworks.com or call the Columbus McKinnon customer service department at (800) 888-0985.

WARRANTY

LIMITATION OF WARRANTIES, REMEDIES AND DAMAGES

INDEMNIFICATION AND SAFE OPERATION

Buyer shall comply with and require its employees to comply with directions set forth in instructions and manuals furnished by Seller and shall use and require its employees to follow such instructions and manuals and to use reasonable care in the use and maintenance of the goods. Buyer shall not remove or permit anyone to remove any warning or instruction signs on the goods. In the event of personal injury or damage to property or business arising from the use of the goods, Buyer shall within 48 hours thereafter give Seller written notice of such injury or damage. Buyer shall cooperate with Seller in investigating any such injury or damage and in the defense of any claims arising therefrom.

If Buyer fails to comply with this section or if any injury or damage is caused, in whole or in part, by Buyer's failure to comply with applicable federal or state safety requirements, Buyer shall indemnify and hold Seller harmless against any claims, loss or expense for injury or damage arising from the use of the goods.

CMCO Warranty (HOISTS)

- A. Columbus McKinnon Corporation ("Seller") warrants to the original end user ("Buyer") that: (a) for a period of one (1) year from the date of Seller's delivery of the goods (collectively, the "Goods") to the carrier, the electrical components of the Goods will be free from defects in workmanship and materials; and (b) for a period of three (3) years from the date of Seller's delivery of the goods (collectively, the "Goods") to the carrier, the mechanical components of the Goods will be free from defects in workmanship and materials.
- B. IN THE EVENT OF ANY BREACH OF SUCH WARRANTY, SELLER'S SOLE OBLIGATION SHALL BE EXCLUSIVELY LIMITED TO, AT THE OPTION OF SELLER, REPAIR OR REPLACEMENT, F.O.B. SELLER'S POINT OF SHIPMENT, OF ANY GOODS THAT SELLER DETERMINES TO HAVE BEEN DEFECTIVE OR, IF SELLER DETERMINES THAT SUCH REPAIR OR REPLACEMENT IS NOT FEASIBLE, TO A REFUND OF THE PURCHASE PRICE UPON RETURN OF THE GOODS TO SELLER. NO CLAIM AGAINST SELLER FOR ANY BREACH OF (i) SUCH WARRANTY WITH RESPECT TO THE ELECTRICAL COMPONENTS OF ANY GOOD SHALL BE VALID OR ENFORCEABLE UNLESS BUYER'S WRITTEN NOTICE THEREOF IS RECEIVED BY SELLER WITHIN ONE (1) YEAR FROM THE DATE OF SELLER'S DELIVERY TO THE CARRIER AND (ii) SUCH WARRANTY WITH RESPECT TO THE MECHANICAL COMPONENTS OF ANY GOOD SHALL BE VALID OR ENFORCEABLE UNLESS BUYER'S WRITTEN NOTICE THEREOF IS RECEIVED BY SELLER WITHIN ONE (1) YEAR FROM THE DATE THE DATE ANY ALLEGED CLAIM ACCRUES. EXCEPT FOR THE WARRANTY SET FORTH ABOVE, SELLER MAKES NO OTHER WARRANTIES WITH RESPECT TO THE GOODS, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUALITY AND/OR THOSE ARISING BY STATUTE OR OTHERWISE BY LAW OR FROM ANY COURSE OF DEALING OR USE OF TRADE, ALL OF WHICH ARE HEREBY EXPRESSLY DISCLAIMED.

C. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER OR ANY THIRD PARTY WITH RESPECT TO ANY GOOD, WHETHER IN CONTRACT, TORT OR OTHER THEORY OF LAW, FOR LOSS OF PROFITS OR LOSS OF USE, OR FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT OR INDIRECT DAMAGES, HOWSOEVER CAUSED. SELLER'S MAXIMUM LIABILITY TO BUYER WITH RESPECT TO THE GOODS SHALL IN NO EVENT EXCEED THE PRICE PAID BY BUYER FOR THE GOODS THAT ARE THE SUBJECT OF THE APPLICABLE CLAIM.

D. Seller shall not be liable for any damage, injury or loss arising out of the use of the Goods if, prior to such damage, injury or loss, such Goods are: (1) damaged or misused following Seller's delivery to the carrier; (2) not maintained, inspected, or used in compliance with applicable law and Seller's written instructions and recommendations; or (3) installed, repaired, altered or modified (a) with any part or accessory other than those supplied by Seller or (b) without compliance with such laws, instructions or recommendations.

E. This warranty is limited and provided only to the original end user. **Each Good must be registered within sixty (60) days of receipt of each product to establish eligibility.** Please register at www.cmworks.com/hoist-warranty-registration or submit registration card via US mail.

F. Any action against Seller for breach of warranty, negligence or otherwise in connection with the electrical components of any Good must be commenced by Buyer within one (1) year after: (a) the date any alleged claim accrues; or (b) the date of delivery of the Goods to Buyer, whichever is earlier. Any action against Seller for breach of warranty, negligence or otherwise in connection with the mechanical components of any Good must be commenced by Buyer within one (1) year after the date any alleged claim accrues.

G. This warranty is contingent upon Buyer's proper maintenance and care of the Goods, and does not extend to normal wear and tear. Seller reserves the right, at its option, to void this warranty in the event of Buyer's use with the Goods of parts or accessories other than those supplied by Seller.

WARNING

Alterations or modifications of equipment and use of non-factory repair parts can lead to dangerous operation and injury.

TO AVOID INJURY:

- Do not alter or modify equipment.
- Do use only factory replacement parts.



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