Product Code Descriptions

For Crane Components and for Spacemaster® Wire Rope Hoists and Electric Chain Hoists



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1 ROPE HOIST PRODUCT CODE

1.1 Spacemaster® SX Wire Rope Hoist

SX	2	041	0020	P	1	5	F	A	L0	N
1,2	3	4, 5, 6	7, 8, 9, 10	11	12	13	14	15	16,17	18

Pos.	Code	Feature	Available properties			
1,2	**SX**	Brand	SX	SX Wire Rope Hoist		
3	**2**	Frame size	1 2,3 4 5	243 mm rope drum diameter 303 mm rope drum diameter 355 mm rope drum diameter 406 mm rope drum diameter	6 7	608 mm rope drum diameter 608 mm rope drum diameter (2 hoisting motors)
4, 5, 6	**041**	Reeving type	Single Reeved 021 041 061 081	 2- part single 4-part single 6-part single 8-part single	Double Reeved 022 042 062 082	 2-part double 4-part double 6-part double 8-part double
7, 8, 9, 10	**0050**	Capacity	Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit Ton) 0050 x 0.1 = 5 Ton			
11	**P**	Hoist motor type	P	Two-speed motor	S A	ESR inverter-duty motor ASR inverter-duty motor
12	**1**	Hoist Motor Power	Code X 1 2 3 4 5	60 Hz kW / HP 1.8 kW / 2 .4 HP 2.2 kW / 3 HP 4.3 kW / 5.8 HP 5.4 kW / 7.2 HP 9 kW / 12 HP 10.8 kW / 14.7 HP	Code 6 7 8 9 A	60 Hz kW / HP 18 kW / 24.1 HP 21 kW / 28.2 HP 25 kW / 33.3 HP 34 kW / 45 HP 42 kW / 56 HP
			See Spacemaster® SX price pages and technical guide for additional hoist motor code & power rating information.			
13	**5**	Hoist duty group	Code 3 4 5 6	ASME Duty class H2 H3 H4 H4+	FEM / ISO Duty class 1Bm / M3 1Am / M4 2m / M5 3m / M6	
14	**F**	Hoist gear code	Code E F G H J	60 Hz hoist speed fpm (reeving type) 32 fpm (2 PS), 16 fpm (4PS) 40 fpm (2 PS), 20 fpm (4PS) 50 fpm (2 PS), 25 fpm (4PS) 60 fpm (2 PS), 30 fpm (4PS) 80 fpm (2 PS), 40 fpm (4PS)	60 Hz hoist speed m/min (reeving type) 9.5 m/min (2 PS), 4.75 m/min (4 PS) 12 m/min (2 PS), 6 m/min (4 PS) 15 m/min (2 PS), 7.5 m/min (4 PS) 19 m/min (2 PS), 9.5 m/min (4 PS) 24 m/min (2 PS), 12 m/min (4 PS)
				Hoist gear options listed are not available for all hoist frame sizes.		
15	**A**	Drum length code	Code A B C D E F G H	Rope drum length 310 mm 340 mm (if SX1 frame size, 394 mm) 440 mm (if SX1 frame size, 504 mm) 540 mm (if SX1 frame size, 614 mm) 660 mm 810 mm 1000 mm 1250 mm	Code J K L M N Z X	Rope drum length 1600 mm 1900 mm 2250 mm 2500 mm 2800 mm 1400 mm Special drum length
16,17	**L0**	Trolley type	Code J0 L0 N0 D0 DH DL or DW F0	 Special Low headroom hoist (SX1) Low headroom hoist Normal headroom hoist Double girder (standard) High profile double girder Low profile double girder Foot mounted		
18	**N**	Special properties	Code N F	Standard hoist without any options Options selected from option list	Code S	Special hoist

1.2 Spacemaster® SXR Wire Rope Hoist

SXR	5	041	050	P3	5	B	F	T	L
1,2,3	4,5	6,7,8	9,10,11	12,13	14	15	16	17	18

Position	Code	Feature code	Feature	Properties
1, 2, 3	**SXR**		Hoist brand – R&M	
4, 5	**5**	GE09	Frame size	Code GE09 3 R03 5 R05 10 R10
6, 7, 8	**041**	DES27	Reeving	Code: 021 2-part single reeving; 041 4-part single reeving; 061 6-part single reeving; 081 8-part single reeving Code: 022 2-part double reeving; 042 4-part double reeving; 062 6-part double reeving; 082 8-part double reeving
9, 10, 11	**050**	LOA01	Capacity	Capacity x 100 (unit: Kg) 050 x 100 = 5000 Kg Capacity x 0.1 (unit Ton) 050 x 0.1 = 5 Ton
12	**P**	HM01	Motor type	Code P Pole change W Frequency converter motor – open loop S Frequency converter motor – closed loop
13	**3**	HM02	Motor power size	Code 1 Size 1 2 Size 2 3 Size 3 5 Size 5 6 Size 6
14	**5**		Hoist duty	Code / ISO / ASME / EN 4 M4 H3 5 M5 H4 6 M6 H4+
15	**B**	GE08	Drum length code	Code Hoist B SXR3, SXR5 C SXR3, SXR5, SXR10 D SXR5, SXR10 E SXR10 F SXR10
16	**F**		Hoist gear code	Code F H
17	**T**	RR20	Rope type	Code T Wire rope Y Synthetic rope
18	**L**	DES01	Trolley type	Code Description L Low headroom N Normal headroom M Double girder V Machinery hoist F Foot mounted S Swivel H Double girder, high connection W Double girder, low connection

1.3 Spacemaster® SXL Wire Rope Hoist

SXL	19	062	05	53	F
1,2,3	4,5	6,7,8	9,10	11,12	13

Position	Code	Feature	Available properties		
1-3	**SXL**	Brand	SXL (UM)		
4-5	**19**	Trolley size	17 18 19 20		
6-8	**062**	Reeving	R&M Code 022 032 042 052 062 082	Factory Code 22 23 24 25 26 28	Description 2-part double reeving 3-part double reeving 4-part double reeving 5-part double reeving 6-part double reeving 8-part double reeving
9-10	**05**	Duty rating	Code 03 04 05 06	ASME H2 H3 H4 H5	ISO M3 M4 M5 M6
11-12	**53**	Trolley gauge	Code 24 27 34 42 53 58 65 XX	Gauge (mm) 2400 2700 3400 4200 5300 5800 6500 special	Trolley size 17, 18 19 17, 18, 19, 20 17, 18, 19, 20 19, 20 20 20 all
13	**F**	Property	N F S	Standard hoist without options Standard hoist with options from list Special	

1.4 Spacemaster® EX Wire Rope Hoist (Hazardous location)

SX	4	EX	D2	041	0500	P	3	5	E	C	L0	N
1,2	3	4,5	6,7,8	9,10,11	12,13,14,15	16	17	18	19	20	21,22	23

Pos.	Code	Feature	Available properties			
1,2	**SX**	Brand	SX	SX Wire Rope Hoist		
3	**4**	Frame size	Code		Code	
			4	355 mm rope drum diameter	6	608 mm rope drum diameter
			5	406 mm rope drum diameter	7	608 mm rope drum diameter
4,5	**EX**			Hazardous location (Ex-proof)		
6,7,8	**D2**	Gas category	Code	Description		Electric standard/ approval
			D2	Class I, Division 2, Group B, C and D, T3 temperature class		NEC / CSA
			D1	Class I, Division 1, Group C and D, T4 temperature class		NEC / CSA
			Z1	Zone 1 IIB or IIC T4		ATEX / IEC
			Z2	Zone 2 IIB or IIC T3		ATEX / IEC
			Z21	Zone 21 IP65 T +135°C		ATEX / IEC
9,10,11	**041**	Reeving type	Single Reeved		Double Reeved	
			021	2-part single	022	2-part double
			041	4-part single	042	4-part double
			061	6-part single	062	6-part double
			081	8-part single	082	8-part double
12,13,14,15	**0050**	Capacity	Capacity x 100 (unit: Kg) 0050 x 100 = 5000 Kg Capacity x 0.1 (unit: Ton) 0050 x 0.1 = 5 Ton			
16	**P**	Hoist motor type	P	Two-speed motor (Zone 2 or Div. 2)		
			E	Two-speed motor (Zone 1 or Div. 1)		
17	**3**	Hoist Motor Power	Code			
			1	SX4		
			3	SX4		
			5	SX5		
			6	SX5, SX6, SX7		
18	**5**	Hoist duty group	Code	ASME Duty class	FEM / ISO Duty class	
			3	H2	1Bm / M3	
			4	H3	1Am / M4	
			5	H4	2m / M5	
			6	H4+	3m / M6	
19	**F**	Hoist gear code	Code			
			E			
			F			
			H			
20	**A**	Drum length code	Code	Rope drum length	Code	Rope drum length
			B	340 mm	H	1250 mm
			C	440 mm	J	1600 mm
			D	540 mm	K	1900 mm
			E	660 mm	L	2250 mm
			F	810 mm	M	2500 mm
			G	1000 mm	N	2800 mm
21,22	**L0**	Trolley type	Code			
			L0	Low headroom hoist		
			N0	Normal headroom hoist		
			D0	Double girder (standard)		
			F0	Foot mounted		
23	**N**	Special properties	Code			
			N	Standard hoist without any options		
			F	Options from option list		
			S	Special hoist		

2 END TRUCK PRODUCT CODE

2.1 RSN Top-running End Truck

RSN	09	-	16	65	-	400	200	C	0000	-	N
				BT08				BT19			
1-3	4,5	6	7,8	9,10	11	12-14	15-17	18	19-22	23	24

Pos.	Code	Feature code	Feature	Available properties			
1-3	**RSN**		Product name	RSN	R&M end truck series – new generation		
4,5	**09**		Wheel diameter	09 11 14 16	90 mm 110 mm 140 mm 160 mm		
6	**-**		Description	-	Standard	C	Asymmetrical joint with single girder
7,8	**16**		Wheelbase	Wheelbase dimension		Applicable end truck	
				13	1250 mm	RSN09	
				16	1600 mm	RSN09, RSN11, RSN14, RSN16	
				20	2000 mm	RSN09, RSN11, RSN14, RSN16	
				25	2500 mm	RSN09, RSN11, RSN14, RSN16	
				32	3150 mm	RSN11, RSN14, RSN16	
				40	4000 mm	RSN14, RSN16	
				45	4500 mm	RSN16	
9,10	**65**	BT08	Groove width	Range	End truck	Available groove widths	Min. wheel groove (span ≤ 20 m)
				50-70 mm	RSN09	50, 55, 60, 65, 70 mm	Rail width + 10 mm
				52-87 mm	RSN11	52, 57, 62, 67, 72, 77, 82, 87 mm	Rail width + 12 mm
				54-84 mm	RSN14	54, 59, 64, 69, 74, 79, 84 mm	Rail width + 14 mm
				54-84 mm	RSN16	54, 59, 64, 69, 74, 79, 84 mm	Rail width + 14 mm
11	**-**		Number of drive wheels	-	One drive wheel / truck		
				D	Two drive wheels / truck		
12,14	**400**		Joint type				End truck model
				EBN09	400	Profile or box girder, max flange width 400 mm	RSN09
				EBN11	400	Profile or box girder, max flange width 400 mm	RSN11
				EBN14	400	Profile or box girder, max flange width 400 mm	RSN14
				EBN16	350	Profile or box girder, max flange width 350 mm	RSN16
				EBN16	450	Box girder, max flange width 450 mm	RSN16
15-17	**200**		Joint plate height		Code	Height	End truck model
					200, 215	200 mm, 215 mm	RSN09
					255	255 mm	RSN11
					255	255 mm	RSN14
					255, 305	255 mm, 305 mm	RSN16
18	**C**	BT19	Buffer size/type	RSN09	A, B, C	A…C	Rubber buffers
				RSN11	A, B, C, K, G, E	K, G, E	Polyurethane buffers
				RSN14	B, C, D, K, G, E, M, F, H, P	M, F, H, P	Polyurethane buffers
				RSN16	B, C, D, K, G, E, M, F, H, P	0	No buffer
19-22	**0000**		Bolt joint distance	XXXX	Joint plate distance (mm) from bolt centers – double girder	0000	Single girder
23	**-**		Color code	-	Standard primary paint	K	Standard finishing paint
24	**N**		Special properties	N	Standard	E	Special

2.2 RT Top-running End Truck

RT	50	-	27	80 BT08	-	K5	0500	C BT19	0000	-	N
1,2	3,4	5	6,7	8,9	10	11,12	13-16	17	18-21	22	23

Pos.	Code	Feature code	Feature	Available properties			
1,2	**RT**		Short product name	RT	R&M		
3,4	**50**		Wheel diameter	09 11 14 20	90 mm 110 mm 140 mm 200 mm	25 32 50	250 mm 320 mm 500 mm
5	**-**		Description	- B C	Standard Bogie (with RT20, -25, -32, -50) Asymmetrical joint with single girder		
6,7	**27**		Wheelbase	Wheelbase dimension		End Truck	
				14	1400 mm	RT09, RT11, RT14	
				18	1800 mm	RT09, RT11, RT14, RT20	
				22	2200 mm	RT09, RT11, RT14, RT20, RT25, RT32, RT50	
				27	2700 mm	RT11, RT14, RT20, RT25, RT32, RT50	
				31	3100 mm	RT14, RT20, RT25, RT32, RT50	
				38	3800 mm	RT14, RT20, RT25, RT32, RT50	
				45	4500 mm	RT25, RT32, RT50	
				50	5000 mm	RT25, RT32, RT50	
				55	5500 mm	RT25, RT32, RT50	
8,9	**80**	BT08	Groove width, mm		End Truck		
				50-65	RT09		
				50-75	RT11, RT14		
				55-100	RT20, RT25, RT32, RT50 (100 is 99 in code)		
10	**-**		Number of driving wheels	- D S D	One driving wheel/end carriage Two driving wheels/end carriage One driving wheel/travel bogie pair Two driving wheels/travel bogie pair		
11,12	**K5**		Joint type		Top joints	End Truck	
				P3	4-bolt connection (B < 300 mm)	RT09	
				P4	4-bolt connection (B < 350 mm)	RT11, RT14	
				P6	4-bolt connection (B < 550 mm)	RT11, RT14	
				L3	8-bolt connection (B < 300 mm)	RT20	
				L4	8-bolt connection (B < 410 mm)	RT20	
				L5	8-bolt connection (B < 520 mm)	RT20	
				K5	12-bolt connection (B < 520 mm)	RT25, RT32, RT50	
				K7	12-bolt connection (B < 740 mm)	RT25, RT32, RT50	
					Side joints		
				S6	12 top bolts and 6 side bolts (B ≤ 520 mm)	RT50	
				S7	12 top bolts and 6 side bolts (B ≤ 740 mm)	RT50	
				S9	12 top bolts and 6 side bolts (B ≤ 990 mm)	RT50	
13-16	**0500**		Bolt joint distance, mm	####	Joint plates distance between alignment pin centers with double girder.	0000	With single girder, dimension from driving wheel to pin with asymmetrical joint.
17	**C**	BT19	Buffer type	RT09	A, B, C, D	RT32	B, C, D, E, F, G, H, I, M, K, P, S
				RT11	A, B, C, D	RT50	B, C, D, E, F, G, H, I, M, K, P, S
				RT14	A, B, C, D	A…D	Rubber buffers
				RT20	A, B, C, D, E, F, G, H, I, M, K, P, S	E…S	Polyurethane buffers
				RT25	B, C, D, E, F, G, H, I, M, K, P, S	0	No buffer
18-21	**0000**		Bogie inner wheel distance, mm	0000	No bogie type end carriage		
22	**-**		Color code	- K	Standard primary paint Standard finishing paint		
23	**N**		Special properties	N E	Standard Special		

2.3 RTN and RTL Top-running End Truck

RTN	09	-	16	60	-	A3	0000	C	0000	-	N
1-3	4,5	6	7,8	9,10	11	12,13	14-17	18	19-22	23	24

Pos.	Code	Feature	Feature	Available properties
1-3	**RTN**		Product name	RTN R&M end truck series – new generation RTL R&M end truck series – new generation
4,5	**09**		Wheel diameter	Code / Wheel diameter / End truck 09 / 90 mm / RTN, RCL 11 / 110 mm / RTN 14 / 140 mm / RTN 16 / 160 mm / RTN 20 / 200 mm / RTN 25 / 250 mm / RTN 32 / 315 mm / RTN 40 / 400 mm / RTN 50 / 500 mm / RTN
6	**-**		Description	- Standard B Bogie C Asymmetrical joint location with single girder
7,8	**16**		Wheelbase	Wheelbase dimension / Applicable end truck 12 / 1200 mm / RTN20B, RTN25B 13 / 1250 mm / RTN09, RTL09 14 / 1400 mm / RTN20B, RTN25B, RTN32B, RTN40B 16 / 1600 mm / RTN09, RTL09, RTN11, RTN14, RTN16, RTN20, RTN20B, RTN25B, RTN32B, RTN40B, RTN50B 18 / 1800 mm / RTN20B, RTN40B, RTN50B 20 / 2000 mm / RTN09, RTL09, RTN11, RTN14, RTN16, RTN20, RTN20B, RTN25B, RTN32B, RTN40B, RTN50B 22 / 2200 mm / RTN25B, RTN50B 25 / 2500 mm / RTN09, RTN11, RTN14, RTN16, RTN20, RTN25, RTN32, RTN40, RTN50B 32 / 3150 mm / RTN11, RTN14, RTN16, RTN20, RTN25, RTN32, RTN40, RTN50 35 / 3500 mm / RTN14 40 / 4000 mm / RTN14, RTN16, RTN20, RTN25, RTN32, RTN40, RTN50 45 / 4500 mm / RTN20, RTN25, RTN32, RTN40, RTN50 50 / 5000 mm / RTN32, RTN40, RTN50 55 / 5500 mm / RTN32, RTN40, RTN50 65 / 6500 mm / RTN50 75 / 7500 mm / RTN50
9,10	**60**	BT08	Groove width, mm	Range / End truck / Min. wheel groove 50-70 / RTN09, RTL09 / Rail width + 10 mm 52-87 / RTN11 / Rail width + 12 mm 54-84 / RTN14 / Rail width + 14 mm 54-84 / RTN16 / Rail width + 14 mm Wheel grooves available in 5 mm increments 54-99 / RTN25 / Rail width + 14 mm 54-94 / RTN20, RTN32 / Rail width + 14 mm 55-105 / RTN40 / Rail width + 15 mm 55-130 / RTN50 / Rail width + 15 mm See RTN end truck technical guide for wheel groove width rules
11	**-**		Number of drive wheels	- One drive wheel / truck D Two drive wheels / truck S One drive wheel / bogey end truck
12,13	**A3**		Joint type	Top joint connection / End truck A3 / 4-bolts (flg. width < 300mm) / RTN/L09 A4 / 4-bolts (flg width < 400mm) / RTN11 A6 / 4-bolts (flg width < 600mm) / RTN11 B4 / 8-bolts (flg width < 350mm) / RTN16 B6 / 8-bolts (flg width < 550mm) / RTN16 L3 / 8-bolt s (flg width < 300mm) / RTN20 L4 / 8-bolts (flg width < 410mm) / RTN20 L5 / 8-bolts (flg width < 520mm) / RTN20 L6 / 8-bolts (flg width < 630mm) / RTN20 H4 / 12-bolts (flg width < 410mm) / RTN25 H5 / 12-bolts (flg width < 520mm) / RTN25 H7 / 12-bolts (flg width < 740mm) / RTN25 H9 / 12-bolts (flg width < 990mm) / RTN25 K4 / 12-bolts (flg width < 410mm) / RTN32, RTN40 K5 / 12-bolts (flg width < 520mm) / RTN32, RTN40 K7 / 12-bolts (flg width < 740mm) / RTN32, RTN40 K9 / 12-bolts (flg width < 990mm) / RTN32, RTN40 J1-J0 / Shear ring connection / RTN40, RTN50 Side joint / End Truck R3 / 8- top & 2-side bolts / RTN20 R4 / 8- top & 2-side bolts / RTN20 R5 / 8- top & 2-side bolts / RTN20 R6 / 8- top & 2-side bolts / RTN20 F4 / 8- top & 4-side bolts / RTN25 F5 / 12- top & 4-side bolts / RTN25 F7 / 12- top & 4-side bolts / RTN25 F8 / 12- top & 4-side bolts / RTN25 Q4 / 12- top & 4-side bolts / RTN32 Q5 / 12- top & 4-side bolts / RTN32 Q6 / 12- top & 6-side bolts / RTN32 Q7 / 12- top & 4-side bolts / RTN32 Q8 / 12- top & 6-side bolts / RTN32 Q9 / 12- top & 4-side bolts / RTN32 Q0 / 12- top & 6-side bolts / RTN32 S6 / 12- top & 6-side bolts / RTN40, RTN50B S7 / 12- top & 6-side bolts / RTN40, RTN50B S8 / 12- top & 6-side bolts / RTN40, RTN50B
14-17	**0000**		Bolt joint distance, mm	#### The distance between the joint plates for a double girder crane. It is measured from alignment pins. 0000 Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.
18	**C**	BT19	Buffer type	RTN/RTL09 A, B, C, K, G, E RTN11 A, B, C, K, G, E RTN14 A, B, C, D, K, G, E, M, F, H, P RTN16 A, B, C, D, K, G, E, M, F, H, P RTN20 A, B, C, D, K, G, E, M, F, H, P, I, S RTN25 A, B, C, D, K, G, E, M, F, H, P, I, S RTN32 B, C, D, K, G, E, M, F, H, P, I, S, T, Y RTN40 B, C, D, K, G, E, M, F, H, P, I, S, T, Y A, B, C, D Rubber buffers K, G, E, M, F Polyurethane buffers H, P, I, S, T, Y Polyurethane buffers 0 No buffer included
19-22	**0000**		Bogie inner wheel distance, mm	0000 No bogie type end carriage
23	**-**		Color code	- Standard primary paint K Standard finishing paint
24	**N**		Special properties	N Standard E Special

2.4 RU Under-running End Truck

RU	08	-	23	080	-	SA3	0000	C	0000	-	N
1,2	3,4	5	6,7	8,9,10	11	12,13,14	15-18	19	20-23	24	25

Position	Code	Feature code	Feature	Available properties
1,2	**RU**		Product name	RU — UU end truck series; I-beam truck frame
3,4	**08**		Wheel diameter	Code / Wheel diameter: 08 — 80 mm; 10 — 100 mm; 13 — 125 mm; 20 — 200 mm
5	**-**		Description	- Standard; B Bogie; C Asymmetrical joint for single girder
6,7	**23**		Wheelbase	Code / Wheelbase / Applicable end truck: 12 — 1200 mm — RU08, RU10, RU13; 14 — 1400 mm — RU08, RU10, RU13; 18 — 1800 mm — RU08, RU10, RU13, RU20; 23 — 2300 mm — RU08, RU10, RU13, RU20; 28 — 2800 mm — RU08, RU10, RU13, RU20; 32 — 3200 mm — RU10, RU13, RU20; 35 — 3500 mm — RU10, RU13, RU20; 40 — 4000 mm — RU20
8-10	**080**	BT08	Runway flange width	Code — Flange width range, applicable end truck: 073-313 — 73-313 mm, RU08 (63…158 mm special flange range with patented track wheels); 083-322 — 83-322 mm, RU10 (61…157 mm flange range with patented track wheels); 100-343 — 100-343 mm, RU13 (61…223 mm flange range with patented track wheels); 127-418 — 127-418 mm, RU20 (No patented track wheels available for RU20)
11	**-**		Number of bridge drives	- One driving wheel pair / end truck; D Two driving wheel pairs / end truck; S One driving wheel pair / travel bogie pair; D Two driving wheel pairs / travel bogie pair
12-14	**SA3**		Joint type	Bolted joint connection with a joint plate: SA3 — 4-bolt connection, M16 bolt (flange width < 300 mm) — RU08; SB4 — 4-bolt connection, M20 bolt (flange width < 410 mm) — RU10; SC3 — 8-bolt connection, M20 bolt (flange width 200 mm - 310 mm) — RU13; SC4 — 8-bolt connection, M20 bolt (flange width 300 mm - 410 mm) — RU13; SC5 — 8-bolt connection, M20 bolt (flange width 410 mm - 510 mm) — RU13; SD3 — 12-bolt connection, M20 bolt (flange width 200 mm - 310 mm) — RU20; SD4 — 12-bolt connection, M20 bolt (flange width 300 mm - 410 mm) — RU20; SD5 — 12-bolt connection, M20 bolt (flange width 410 mm - 510 mm) — RU20 Bolted joint connection without a joint plate: BA1 — 4-bolt connection, M16 bolt (flange width 154 mm – 203 mm) — RU08; BA2 — 4-bolt connection, M16 bolt (flange width 204 mm – 253 mm) — RU08; BA3 — 4-bolt connection, M16 bolt (flange width 254 mm – 320 mm) — RU08; BB2 — 4-bolt connection, M20 bolt (flange width < 265 mm) — RU10; BB3 — 4-bolt connection, M20 bolt (flange width < 315 mm) — RU10; BB4 — 4-bolt connection, M20 bolt (flange width < 415 mm) — RU10; BB5 — 4-bolt connection, M20 bolt (flange width < 450 mm) — RU10; BC3 — 8-bolt connection, M20 bolt (flange width < 315 mm) — RU13; BC4 — 8-bolt connection, M20 bolt (flange width < 415 mm) — RU13; BC5 — 8-bolt connection, M20 bolt (flange width < 450 mm) — RU13; BD3 — 12-bolt connection, M20 bolt (flange width < 400 mm) — RU20; BD4 — 12-bolt connection, M20 bolt (flange width < 500 mm) — RU20; BD5 — 12-bolt connection, M20 bolt (flange width < 600 mm — RU20 Welded connection without a joint plate: WA_ — RU08; WB_ — RU10; WC_ — RU13; WD_ — RU20 Special joint: 000 — Special joint –designed by the crane builder — RU
15-18	**0000**		Bolt joint distance, mm	#### — The distance between for two joint plates for a double girder crane. It is the distance from alignment pins.; 0000 — Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.
19	**C**	BT19	Buffer type	RU08: A, B, C, K, G, E; RU10: A, B, C, K, G, E; RU13: A, B, C, D, K, G, E, M, F; RU20: A, B, C, D, K, G, E, M, F, H, P A, B, C, D — Rubber buffers; K, G, E, M, F, H, P — Polyurethane buffers; 0 — No buffer
20-23	**0000**		Bogie inner wheel distance, mm	0000 — Standard, (Not a bogie end truck configuration)
24	**-**		Color code	- Standard primary paint; K Standard finishing paint
25	**N**		Special properties	N Standard; E Special

2.5 RH Under-running End Truck

RH	10	-	23	080	-	HB4	0000	C	0000	-	N
1,2	3,4	5	6,7	8,9,10	11	12,13,14	15-18	19	20-23	24	25

Position	Code	Feature code	Feature	Available properties			
1,2	**RH**		Product name	RH	UR end truck series; U-shape truck frame		
3,4	**10**		Wheel diameter	Code	Wheel diameter		
				10	100 mm		
				13	125 mm		
				20	200 mm		
5	**-**		Description	-	Standard		
				B	Bogie		
				C	Asymmetrical joint for single girder		
6,7	**23**		Wheelbase	Wheelbase dimension		Applicable end truck	
				14	1400 mm	RH10, RH13	
				18	1800 mm	RH10, RH13, RH20	
				23	2300 mm	RH10, RH13, RH20	
				28	2800 mm	RH10, RH13, RH20	
				32	3200 mm	RH13, RH20	
				35	3500 mm	RH13, RH20	
				40	4000 mm	RH20	
8-10	**080**	BT08	Runway flange width	Code	Flange width range, applicable end truck		
				083-322	83-322 mm, RH10 (61…157 mm flange range with patented track wheels)		
				100-343	100-343 mm, RH13 (61…223 mm flange range with patented track wheels)		
				127-418	127-418 mm, RH20 (No patented track wheels available for RH20)		
11	**-**		Number of bridge drives	-	One driving wheel pair / end truck		
				D	Two driving wheel pairs / end truck		
				S	One driving wheel pair / travel bogie pair		
				D	Two driving wheel pairs / travel bogie pair		
12-14	**HB4**		Joint type	Code	Bolted joint connection with a joint plate	Applicable end truck	
				HB4	4-bolt connection, M20 bolt (flange width < 410mm)	RH10	
				HC3	8-bolt connection, M20 bolt (flange width 200 mm - 310 mm)	RH13	
				HC4	8-bolt connection, M20 bolt (flange width 300 mm - 410 mm)	RH13	
				HC5	8-bolt connection, M20 bolt (flange width 410 mm - 510 mm)	RH13	
				HD3	16-bolt connection, M20 bolt (flange width 200 mm - 310 mm)	RH20	
				HD4	16-bolt connection, M20 bolt (flange width 300 mm - 410 mm)	RH20	
				HD5	16-bolt connection, M20 bolt (flange width 410 mm - 510 mm)	RH20	
				Code	Bolted joint connection without a joint plate	Applicable end truck	
				KB2	4-bolt connection, M20 bolt (flange width 216 mm - 265 mm)	RH10	
				KB3	4-bolt connection, M20 bolt (flange width 266 mm - 315 mm)	RH10	
				KB4	4-bolt connection, M20 bolt (flange width 316 mm - 415 mm)	RH10	
				KB5	4-bolt connection, M20 bolt (flange width 416 mm - 450 mm)	RH10	
				KC3	8-bolt connection, M20 bolt (flange width 266 mm – 347 mm)	RH13	
				KC4	8-bolt connection, M20 bolt (flange width 347 mm - 447 mm)	RH13	
				KC5	8-bolt connection, M20 bolt (flange width 447 mm - 500 mm)	RH13	
				KD3	16-bolt connection, M20 bolt (flange width 266 mm – 400 mm)	RH20	
				KD4	16-bolt connection, M20 bolt (flange width 400 mm - 500 mm)	RH20	
				KD5	16-bolt connection, M20 bolt (flange width 500 mm - 600 mm)	RH20	
				Code	Special joint	Applicable end truck	
				000	Special joint –designed by the crane builder	RH	
15-18	**0000**		Bolt joint distance, mm	####	The distance between for two joint plates for a double girder crane. It is the distance from alignment pins.	0000	Dimension from drive wheel to joint plate pin when the joint plate is positioned asymmetrically for a single girder crane.
19	**C**	BT19	Buffer type	RH10	A, B, C, K, G, E	A, B, C, D	Rubber buffers
				RH13	A, B, C, D, K, G, E, M, F	K, G, E, M, F, H, P	Polyurethane buffers
				RH20	A, B, C, D, K, G, E, M, F, H, P	0	No buffer
20-23	**0000**		Bogie inner wheel distance, mm	0000	Standard, (Not a bogie end truck configuration)		
24	**-**		Color code	-	Standard primary paint		
				K	Standard finishing paint		
25	**N**		Special properties	N	Standard		
				E	Special		

3 TRAVELING MACHINERIES PRODUCT CODE

3.1 GE Drive

GE	K	1	06	P	T TG05	1 TG06	B	O	F06MA	200-6400	N
1,2	3	4	5,6	7	8	9	10	11	12-16	17-24	25

Pos.	Code	Feature code	Feature	Available properties			
1,2	**GE**		Gear	GE			
3	**K**		Type	K L M	Specific Trolley Drive (WRH) Specific Trolley Drive (ECH) Hollow shaft	S T N	Solid shaft Reserved Reserved
4	**1**		Machinery size (Torque Range)	1 2 3	0 Nm < T2 < 50 Nm 16 Nm < T2 < 125 Nm 40 Nm < T2 < 320 Nm	4 5 6	100 Nm < T2 < 800 Nm 250 Nm < T2 < 2000 Nm 630 Nm < T2 < 5000 Nm
5,6	**06**		Ratio code	01… …99… …H9	1st mark: 0, 1, 2 … 9, A (=10), B (=11) 2nd mark: 0, 1, 2 … 9 A0=100, B0=110, G5=165, etc.		
7	**P**		Options	P F	Standard, no options (plain) Flywheel	G V	Gantry type gear (RES4, RES5) Stronger version (RES320V, RES316V, RES313V with MF06LB motor)
8	**T**	TG05	Secondary shaft type	T K S	Driving Pinion Keyway Spline	D E	Spline + Plain Reserved (Special)
9	**1**	TG06	Version type	1…9	Versioning of machinery spline size, shaft size		
10	**B**		Color	B	B-Black (Dark grey)		
11	**O**		Future reservation	O	No feature		
12-16	**F06MA**		Motor type and size	F 06 M A	Motor type code (B, F, T, etc.) Frame size (06, 07…) Stator length (S, M, L, Z, E) Power code (A, B, C…)		
17-24	**200-6400**		Motor ID-code	 200 - 5 400	ID of the motor, if special then Winding data and Power supply data: 200-6400 (fourth mark, pos 20 “dash”) Number of HS- and LS-pole-pairs Filling mark “dash” Power Supply frequency: 5-50Hz, 6-60Hz Power supply Voltage, 380, 400, …		
25	**N**		Order type	E N	Special Order, details defined with P.O. Normal Order (Standard Motor)		

3.2 QM Bridge Drive

QM	06	H	045	NA	F	10	Z	M	2	A	-	6	400	Y	C
1,2	3,4	5	6-8	9,10	11	12,13	14	15	16	17	18	19	20-22	23	24

Pos.	Code	Feature code	Feature	Available properties
1,2	**QM**	TG01	Machinery type	QM
3,4	**06**	TG02	Size of the gear	06, 07, 09, 10
5	**H**		Gearbox type	H Helical gear K Bevel gear
6-8	**045**	TG03	Gear ratio code	QM06 022, 045, 090 QM07 028, 056, 112 QM09K 012, 014, 018, 022, 028, 036, 045, 056, 071, 080 QM10 014, 018, 022, 028, 036, 045, 056, 071, 090, 112, 140, 180, 230, 280 QM10K 018, 022, 028, 036, 045, 056, 071, 090, 112
9,10	**NA**		Gear options	N_ Standard _A Shaft arrangement A L_ Foot-mounted _B Shaft arrangement B
11	**F**		Type of motor	F Enclosed squirrel-cage motor equipped with brake
12,13	**10**		Size of motor	10 11 13 Motor size (number states shaft height of a foot mounted motor in centimeters)
14	**Z**		Length of motor frame	M Z X Defines motor stator and frame length (from shorter to longer M…Z…X)
15	**M**		Winding power variant	M Lower power variant N Higher power variant
16	**2**		Number of pole pairs	2 Defines nominal speed of the motor
17	**A**		Code of winding	A 320-360V 50/87 Hz 380-415V 60/100 Hz P 380-415V 50/87 Hz 440-480V 60/100 Hz Z 500-525V 50/87 Hz 575-600V 60/100 Hz
18	**-**		Motor options	- S Motor with options selected from options list X Motor with extra options
19	**6**	(ELE03)	Frequency of supply network	ELE03 value 5 50 Hz 6 60Hz
20-22	**400**	ELE01	Voltage of supply network	400 400 V
23	**Y**	BM03	Winding connection	D Inverter control Delta-connected (87 Hz and 100 Hz). Y Inverter control Star-connected (50 Hz and 60 Hz)
24	**C**	(BM07)	Frequency of motor	BM07 value A 50 Hz C 60 Hz E 87 Hz G 100 Hz

4 POWER SUPPLY PACKAGE PRODUCT CODE

4.1 Electrification Package – Spacemaster® SX / SXR WRH and LR/LK ECH

QQ	S	M	S	1	2	L	6	B	P3	76	105	-
1,2	3	4	5	6	7	8	9	10	11,12	13,14	15-17	18

Pos.	Code	Feature code	Feature	Available properties	
1,2	**QQ**		Crane layout	QQ Rope hoist, crane with moveable pendant QM Rope hoist, monorail system	XQ Chain hoist crane XM Chain hoist, monorail system
3	**S**		Type of power supply	S Festoon cable C Conductor rails	E NRGmaster (Energy chain electrification system; requires radio controls)
4	**M**		Power supply for	C Crane M Hoist/trolley and pushbutton pendant	H Hoist P Pushbutton pendant
5	**S**	BT03	Crane type	S Single girder, top running U Single girder, under running D Double girder	C Compact crane M Monorail hoist
6	**1**		Number of hoists	1 1 hoist/bridge 2 2 hoist/bridge	3 3 hoist/bridge
7	**2**	(GE09)	Hoist frame size	0 SX1 — GE09 value Z 1 SX2/SX3/SXR3 — A 2 SX4/SXR5 — B 3 SX5/SXR10 — C	4 SX6 — D 5 SX7 — E 7 Electric chain hoist frame size — 10, 16, 25
8	**L**	DES01	Trolley type	L Low headroom trolley H Double girder trolley (high connection) M Double girder trolley (medium connection) W Double girder trolley (low connection) N Normal headroom trolley	F Fixed hoist J Special low headroom trolley V Machinery hoist X Special trolley
9	**6**	(GE16)	Main girder height	1…9 Height 100…900mm, 400 mm = 4 Note: Monorail = 9 -> Height > 900 mm X Height > 900 mm	GE16 value = 100…900
10	**B**	(DIM03)	Flange width (B-measure)	0 Double girder trolleys A 80…229 mm B 230…379 mm C 380…529 mm D 530…690 mm	DIM03 value = 80 (mm)
11,12	**P3**	(HM01) (HM02)	Hoisting motor type/size	Hoisting motor type P Pole change motor 6:1 (rope hoist) T Inverter-duty motor (SX hoist) A ASR inverter-duty motor (SX hoist) S ESR Inverter-duty motor – closed loop (rope hoist) W ESR Inverter-duty motor – open loop (SXR hoist) R Pole change motor 3:1 (SX hoist) C Cast iron pole change motor (SX hoist) E Ex-proof pole change motor (rope hoist) O Single speed motor (rope hoist) 1 Two-speed motor (chain hoist) 2 Single speed motor (chain hoist) 3 Inverter-duty motor (chain hoist) 4 Two-speed motor (chain hoist) - Undefined	Hoisting motor size X Nom. power 1.5 kW / 50 Hz 1 Nom. power 1.8 kW / 50 Hz Z Nom. power 2.5 kW / 50 Hz 2 Nom. power 3.6 kW / 50 Hz 3 Nom. power 4.5 kW / 50 Hz 4 Nom. power 7.5 kW / 50 Hz 5 Nom. power 9 kW / 50 Hz 6 Nom. power 15 kW / 50 Hz 7 Nom. power 18 kW / 50 Hz 8 Nom. power 23 kW / 50 Hz 9 Nom. power 28 kW / 50 Hz A Nom. power 35 kW / 50 Hz B Chain hoist: Nom. Power 0.5 kW / 50Hz A Chain hoist: Nom. Power 1.0 kW / 50Hz F 2 x 15 kW = 30 kW (MF13) H 2 x 18 kW = 36 kW (MF13) J 2 x 23 kW = 44 kW (MF13) K 2 x 28 kW = 56 kW (MF13) - Undefined
13,14	**76**	(ELE01)	Main voltage range	20 50 Hz: (U/10) - 20, Ex. (400 V / 10) - 20 = 20 76 60 Hz: (U/10) + 30, Ex. (460 V / 10) + 30 = 76	e.g. ELE01 value = 400 (V)
15-17	**105**	DIM18	Span/length of runway	DIM18 value 095 9.5 m 105 10.5 m	
18	**-**		Special properties	- Standard E Special	

4.2 Electrification Package – Spacemaster® SXL WRH

UC	S	M	D	1	9	M	X	0	YC	76	105	-
1,2	3	4	5	6	7	8	9	10	11,12	13,14	15-17	18

Pos.	Code	Feature code	Feature	Available properties	
1,2	**UC**	PS46	Crane layout	UC C-rail festoon for SXL hoist UI I-beam festoon for SXL hoist	
3	**S**	PS01/PS02	Type of power supply	S Festoon - Flat cables C Conductor rails	
4	**M**		Power supply for	C Crane M Hoist/trolley, and pushbutton pendant H Hoist	
5	**D**	BT03	Crane type	D Double girder	
6	**1**		Number of hoists	1 1 hoist/bridge 2 2 hoist/bridge	
7	**9**	(GE09)	Hoist frame size	Without crane service platform GE09 value 9 SXL / PDW hoist UM17 UM18 UM19 UM20	With crane service platform OTH03 - YES GE09 value F SXL hoist UM17 UM18 UM19 UM20
8	**M**	DES01	Trolley type	M Double girder trolley (medium connection)	X Special trolley
9	**X**	(GE16)	Main girder height	1…9 Height 100…900mm, e.g. 400 mm = 4 X Height > 900mm	e.g. GE16 value = 100…900
10	**0**	(DIM03)	Flange width (B-measure)	0 Double girder trolleys	
11,12	**YC**	(HM17) (HM18)	Hoisting motor type/size	HM17 Hoisting motor type Y Hoist motor connection type D Hoist motor connection type - Undefined	HM1 Hoisting motor size 8 MF13XR200 B MF16ZR200 C MF18XR200 D MF22LR200 E Undefined -
13,14	**76**	(ELE01)	Main voltage range	20 50 Hz: (U/10) - 20, example (400 V / 10) - 20 = 20 76 60 Hz: (U/10) + 30, example (460 V / 10) + 30 = 76	e.g. ELE01 value = 400 (V)
15-17	**105**	DIM18 / DIM13	Span/length of runway	DIM18 / DIM13 value 095 9.5 m 105 10.5 m	
18	**-**		Special properties	- Standard E Special	

5 CONTROL PANEL PRODUCT CODE

5.1 Bridge Panel for Wire Rope Hoist Crane Package

BP	P (HM01)	2 (HM02)	-	2	2 (TR01)	2 (BT01)	4	V3 PE13	-	20 (ELE01)	H (ELE02)	0
1-6	7	8	9	10	11	12	13	14-15	16	17-18	19	20

Pos.	Code	Feature code	Feature	Available properties					
1-6	**BP**		Product name	BP Spacemaster SX wire rope hoist (Q hoist) BCR Spacemaster SXL wire rope hoist (UM hoist)					
7	**P**	(HM01)	Hoist motor type	Spacemaster SX wire rope hoist HM01			Spacemaster SXL wire rope hoist HM017		
				P	Pole-change motor 6:1 speed	P	Y	Hoist motor connection type	Y
				A	ASR inverter-duty motor	A	D	Hoist motor connection type	D
				S	ESR inverter-duty motor	S			
				T	Frequency converter motor	T			
				R	Pole change motor 3:1 speed	R			
				C	Cast iron pole-change motor	C			
				E	Ex-proof pole-change motor	E			
				O	Single speed motor	O			
8	**2**	(HM02)	Motor power	Spacemaster SX wire rope hoist HM02			Spacemaster SX wire rope hoist HM02		
				X	1.5 kW / 50 Hz	X	A	35 kW / 50 Hz (MF13)	A
				1	1.8 kW / 50 Hz (MF10)	1	F	2 x 15 kW = 30 kW (MF13)	F
				Z	2.5 kW / 50 Hz	Z	H	2 x 18 kW = 36 kW (MF13)	H
				2	3.6 kW / 50 Hz (MF10)	2	J	2 x 23 kW = 44 kW (MF13)	J
				3	4.5 kW / 50 Hz (MF10)	3	K	2 x 28 kW = 56 kW (MF13)	K
				4	7.5 kW / 50 Hz (MF11)	4	Spacemaster SXL wire rope hoist		HM18 value
				5	9 kW / 50 Hz (MF11)	5			
				6	15 kW / 50 Hz (MF13)	6	B	MF13XR200	B
				7	18 kW / 50 Hz (MF13)	7	C	MF16ZR200	C
				8	23 kW / 50 Hz (MF13)	8	D	MF18XR200	D
				9	28 kW / 50 Hz (MF13)	9	E	MF22LR200	E
9	**-**								
10	**2**			Number of hoists on the bridge					
11	**2**	(TR01)	Trolley travel control			TR01 value			TR01 value
				1	1-speed	1SP	M	CM EDGE located in bridge panel	TDU
				2	2-speed	2SP	N	CM EDGE mounted on trolley	TDU
				C	CM Elite mounted in bridge panel	D2C	Q	CMXC / CM NXT mounted on trolley	DYD
				D	CM Elite mounted on trolley	D2C			
12	**2**	(BT01)	Bridge travel control			BT01 value			BT01 value
				1	1-speed	1SP	M	CM Select VFD	D2M
				2	2-speed	2SP	M	CM LDR VFD	TDN
				C	CM Elite VFD	D2C	Q	CMXC VFD	DYD
				M	CM EDGE	TDU	Q	CM NXT VFD	TMK
13	**4**		Panel size	4	Height 400 mm, depth 250 mm (EEC) *		A	Height 1000 mm, depth 350 mm (KA220)	
				6	Height 600 mm, depth 250 mm (EEF) *		B	Height 1500 mm, depth 250 mm (H15)	
14-15	**V3**	PE13	Selection of the hoists	V2	Selection I or II, two hoists controlled independently (I, II)		00	Without selection	
				V3	Selection I, I+II, II, two hoists controlled independently or simultaneously (I+II)		VE	Special selection	
16	**-**								
17-18	**20**	(ELE01)	Main voltage	20	50 Hz: (Main voltage / 10) – 20 e.g. (400 V/ 10) – 20 = 20		Ex. ELE01 value = 400 (V)		
				76	60 Hz: (Main voltage / 10) + 30 e.g. (460 V/ 10) + 30 = 76				
19	**H**	(ELE02)	Control voltage			ELE02 value			ELE02 value
				H	48 V	48	N	230 V	230
				J	115 V	115			
20	**0**		System features	0	Standard BP		E	Special application	

5.2 Bridge Panel for Electric Chain Hoist Crane Package

BP	1	1	-	1	Q	Q	4	00	-	76	J	0
	(HM01)	(HM02)			(TR01)	(BT01)		PE13		(ELE01)	(ELE02)	
1-6	7	8	9	10	11	12	13	14,15	16	17,18	19	20

Pos.	Code	Feature code	Feature	Available properties					
1-6	**BP**		Product name	BP	R&M				
7	**1**	(HM01)	Hoist motor type			HM01 value			
				1	Two-speed motor	1			
				2	Single-speed motor (not used)	2			
				3	Inverter-duty motor	3			
8	**2**	(HM02)	Motor power			HM02 value	Hoist Model – Motor type (two-speed/inverter)		
				C	1.0 kW / 1.3 hp / 60 Hz, C1/V1 motor	C	LR05 – C1/V1 motor		
				1	2.1 kW / 2.8 hp / 60 Hz, C2/V2 motor	1	LR10 – C2/V2 motor		
				3	4.2 kW / 5.6 hp / 60 Hz, C3/V2 motor	3	LK16 – C3/V3 motor		
							LK25 – C3/V3 motor		
9	**-**								
10	**1**			Number of hoists on the bridge 1 – one hoist on bridge					
11	**Q**	(TR01)	Trolley travel control			TR01 value			
				N	Freq. control D2M mounted on trolley	D2M			
				Q	CM EDGE mounted to trolley motor	TDU			
12	**Q**	(BT01)	Bridge travel control			BT01 value			BT01 value
				1	1-speed	1SP	M	CM LDR	TDN
				2	2-speed	2SP	Q	CMXC VFD	DYD
				M	CM EDGE	TDU	Q	CM NXT VFD	TMK
13	**4**		Panel size	4	Height 400 mm, depth 250 mm (EEC) *		A	Height 1000 mm, depth 350 mm (KA220) *	
				6	Height 600 mm, depth 250 mm (EEF) *				
14,15	**00**	PE13	Selection of the hoists	V2	Selection I or II, two hoists controlled independently.		00	Without selection	
				V3	Selection I, I+II, II, two hoists controlled independently or simultaneously (I+II)		VE	Special selection	
16	**-**								
17,18	**76**	(ELE01)	Main voltage	20	50 Hz: (Main voltage / 10) – 20 e.g. (400 V/ 10) – 20 = 20		Ex. ELE01 value = 400 (V)		
				76	60 Hz: (Main voltage / 10) + 30 e.g. (460 V/ 10) + 30 = 76				
				53	60 Hz: (Main voltage / 10) + 30 e.g. (230 V/ 10) + 30 = 53				
19	**J**	(ELE02)	Control voltage			ELE02 value			ELE02 value
				H	48 V	48	N	230 V	230
				J	115 V	115			
20	**0**		System features	0	Standard BP		E	Special application	

6 CONTROL SYSTEM PRODUCT CODE

6.1 PRQ Push Button Pendant

PRQ	06 (PE11)	2	2	2	0 PE12	C (ELE44)	00 PE13	-N	092	PE3 ELE16	0	0
1-3	4,5	6	7	8	9	10	11,12	13,14	15-17	18-20	21	22

Pos.	Code	Feature code	Feature	Available properties
1-3	**PRQ**	GE01	Product name/Brand	PRQ POQ pushbutton pendant series
4,5	**06**	(PE11)	Pendant housing type	Code: 02 Housing with 2 holes for buttons (PE11: POQ02); 04 Housing with 4 holes for buttons (POQ04); 06 Housing with 6 holes for buttons (POQ06); 10 Housing with 10 holes for buttons (POQ10). All PRQ models have Emergency stop button as standard
6	**2**		Hoisting control type	2 2-step push button; 1 1-step push button; 0 Without hoisting buttons
7	**2**		Trolley travel control type	2 2-step push button; 1 1-step push button; 0 Without trolley travel buttons
8	**2**		Bridge travel control type	2 2-step push button; 1 1-step push button; 0 Without bridge travel buttons
9	**0**	PE12	Main contactor button function	0 No main contactor button. All PRQ models have Emergency stop button as standard
10	**C**	(ELE44)	Direction symbols	D DIN and FEM standard (ELE44: DIN); F SFS standard (Finnish) (FIN); C ANSI standard (compass) (ANSI). L English letters (ELE44: ENG); E Special symbols (NONSTD)
11,12	**00**	PE13	Hoist selection switch function	00 Without selection; V2 Selection I or II, two hoists controlled independently.; V3 Selection I, I+II, II, two hoists controlled independently or simultaneously (I+II). VE Special selection
13,14	**-N**		Aux device mounting	-N No extra buttons; -Y Extra buttons
15-17	**092**		Rising cable length	Length is given from the bottom of the P.B. housing to the festoon C-rail. 092 9.2 m; 135 13.5 m; 000 Without cable; etc.
18-20	**PE3**	ELE16	Pendant cable top connector	PE1 Connector connected to the bridge panel (for back-up use); PE2 Connector connected to the hoist panel (monorail wire rope hoist hoists); PE3 Connector connected to the festoon (moveable pendant); 000 Without connector
21	**0**	(PE21)	Magnet	0 No magnet for pendant housing; M Magnet for pendant housing (PE21: YES)
22	**0**		System features	0 Standard - no special features; E Special features

6.2 PD Push Button Pendant

PD	12	-	2	2	2	2	N	D	V3	-	092	P	0
						PE12	PE15	(ELE44)	PE13		(PEN02)	(ELE16)	
1,2	3,4	5	6	7	8	9	10	11	12,13	14	15-17	18	19

Pos.	Code	Feature code	Feature	Available properties					
1,2	**PD**		Product name	PENDAX pushbutton series					
3,4	**12**		Type of housing	04	Housing with 4 holes for buttons on front		08	Housing with 8 holes for buttons on front	
				06	Housing with 6 holes for buttons on front		12	Housing with 12 holes for buttons on front	
5	**-**								
6	**2**		Hoisting control type	1	1-step push-button		0	Without hoisting buttons	
				2	2-step push-button				
7	**2**		Trolley travel control type	1	1-step push-button		0	Without trolley travel buttons	
				2	2-step push-button				
8	**2**		Bridge travel control type	1	1-step push-button		0	Without bridge travel buttons	
				2	2-step push-button				
9	**2**	PE12	Main contactor on button	1	Push-button for main contactor energizing		0	Without push-button for main contactor energizing and horn	
				2	Push-button for main contactor energizing and horn				
10	**N**	PE15	Emergency stop	N	Normal mushroom button		K	Mushroom button with key for releasing	
11	**D**	(ELE44)	Symbols			ELE44			ELE44
				D	DIN standard	DIN	C	ANSI standard	ANSI
				F	Finnish standard	FIN	L	English letters	ENG
				S	Swedish standard	SEN	E	Special symbols	SPEC
12,13	**V3**	PE13	Selection of the hoists	V2	Selection I or II, operate independently.		00	Without selection	
				V3	Selection I, I+II, II operate independently or simultaneously		VE	Special selection	
14	**-**								
15-17	**092**	(PEN02)	Rising cable length	092	9.2 meters	Length is given from the bottom of the P.B. housing EITHER to the festoon C-rail (in case of moveable pendant) OR to the bottom of the hoist panel (in case of monorail hoist)			
				135	13.5 meters etc.				
				000	Without cable				
18	**P**	(ELE16)	Connector on the top of the rising cable			ELE16			ELE16
				P	Plug connector for festoon cable, (Moveable pendant)	PE3	H	Connected to the hoist panel (monorail hoist)	PE2
				0	Without connector	000	B	Connected to bridge panel (for back-up use)	PE1
19	**0**		System features	0	Standard PD		E	Special application	

6.3 PXR Push Button Pendant (Hazardous location)

PX	R	08	2	2	2	2	N	C	00	-	092	0	0
	GE01	(PE11)				PE12	PE15	(ELE44)	PE13			ELE16	
1,2	3	4,5	6	7	8	9	10	11	12,13	14	15-17	18	19

Pos.	Code	Feature code	Feature	Available properties		
1,2	**PX**		Product name	PX Pendant for Class I, Division 2, Group C and D		
3	**R**	GE01	Brand	R R&M		
4,5	**08**	(PE11)	Pendant housing type	06 6 button housing (2-motions) 08 8 button housing (3-motions)		PE11 value PXQAW06 PXQAW08
6	**2**		Hoisting control type	2 2-step push button 1 1-step push button	0 Without hoisting buttons	
7	**2**		Trolley travel control type	2 2-step push button 1 1-step push button	0 Without trolley travel buttons	
8	**2**		Bridge travel control type	2 2-step push button 1 1-step push button	0 Without bridge travel buttons	
9	**2**	PE12	Main contactor button function	2 Main contactor + horn, push-button energizing the main contactor and horn at the same time		
10	**N**	PE15	Emergency stop	N Normal mushroom button		
11	**C**	(ELE44)	Direction symbols	C ANSI standard (compass)		ELE44 value ANSI
12,13	**00**	PE13	Hoist selection switch function	V2 Two-position selector switch (I, II)	00 Without selector switch	
14	**-**		Aux device mounting	- No auxiliary device		
15-17	**092**		Rising cable length	Examples: 092 9.2 m 135 13.5 m	000 Without cable etc.	
18	**0**	ELE16	Pendant cable top connector	0 Without connector		
19	**0**		System features	0 Standard	E Special application	

6.4 RaCon Radio Control

RaCon	416	MI	0	S	0	TD	RP	CE	00	ST
	REM10	REM11				(ELE44)	(ELE02)	REM12	REM13	
1-5	6-8	9,10	11	12	13	14,15	16,17	18,19	20,21	22,23

Pos.	Code	Feature code	Feature	Available properties					
1-5	**RaCon**		Product name	RaCon R&M brand name for REMOX					
6-8	**416**	REM10	Receiver	510 8 relay outputs – for monorail hoists only 416 16 relay outputs – for cranes 524 24 relay outputs - for cranes			736 36 relay outputs – for cranes 770 100 relay outputs – for cranes		
9,10	**MI**	REM11	Transmitter	QU max. 8 pcs. 2-step pushbuttons for 3 motions, light, horn, use with receiver 510 or 512 MI max. 10 pcs. 2-step pushbuttons for 3 motions, light, horn, suitable for receiver 510 or 516 M3 max. 10 pcs. 2-step pushbuttons and 5 step rotary switches, display for CID, suitable for receiver 516 or 524 E2 2 pcs. 2-step joysticks for 3 motions, light, horn (standard joystick), suitable for receiver 510, 512 or 516 SP 2pcs. 2-step joysticks for 3 motions, light, horn (advanced joystick), suitable for receiver 510, 512, 516, 524 or 736 S2 2 pcs. 2-step joysticks for 3 motions, light, horn, display for CID (adv. joystick), suitable for receiver 516, 524 or 736 SA 2 pcs. analogue joysticks for 3 motions, light, horn, suitable for receiver 736 SN 2 pcs. analogue joysticks for 3 motions, light, horn, display for CID, suitable for receiver 736 I2 Pushbutton, CANopen IC Joystick, CANopen IP Joystick, ProfiBus				
11	**0**		Infra-key system	I Included 0 Not included					
12	**S**		Hoist selector switch		REM19 Value			REM19 Value	
				S Incl. with 3 positions (I, I+II, II)	V3		A 3 positions (I, I+II, II) + Main Aux switch	VM	
				T Incl. with 2 positions (I, II)	V2		K 7 positions (I, II, III, I+II, II+III, I+II+III)	V7	
				B Incl. With 3 positions (I, II, III)	S3		0 Not included	-	
13	**0**		Auxiliary device	A Included (1 x ON, 2 x OFF) 0 Not included					
14,15	**TD**	(ELE44)	Direction symbols		ELE 44 value			ELE 44 value	
				TD DIN and FEM standard	DIN		TC ANSI standard (compass)	ANSI	
				TF SFS standard	FIN		TL English letters	ENG	
				TS SIS standard	SEN		SS Special symbols	SPEC	
16,17	**RP**	(ELE02)	Receiver power supply		ELE02 value			ELE02 value	
				RP 48 V, 50/60 Hz	48		RV 230 V, 50/60 Hz	230	
				RT 115 V, 50/60 Hz	115		RX 48-230 V, 50/60 Hz		
18,19	**CE**	REM12	Charger type	CE 230 V, 50/60 Hz euro plug CB 230 V, 50/60 Hz wires for local plug			CU 115 V, 50/60 Hz USA plug		
20,21	**00**	REM13	Tandem operation	00 No tandem operation T1 Single transmitter **) T2 Dual transmitter **)			TM Master transmitter **) TS Slave transmitter CR Catch / Release		
22,23	**ST**		System features	ST Standard RaCon system S2 Standard RaCon system plus a spare transmitter Standard RaCon system with Sway Control SW Standard RaCon system with Sway Control and W2 spare transmitter			SP Special application P2 Special application plus a spare transmitter Special application with Sway Control SS Special application with Sway Control and C2 spare transmitter		

**) Crane selector switch is included.

6.5 RaCon ARC Radio Control

ARC	ARCH11	T8C	I	S	0	A	1	1	0
	REM10	REM11	REM18			(ELE44)	(OTH55)	UL approval	(Not used)
1-3	4-9	10-12	13	14	15	16	17	18	19

Pos.	Code	Feature code	Feature	Available properties		
1-3	**ARC**		Product name	ARC		
4-9	**ARCH11**	REM10	Receiver	11 function output relays (5A / 250 VAC), 2 stop relays (5A / 250 VAC)		
10-12	**T8C**	REM11	Transmitter	T8B T8C	Lithium ion (rechargeable battery) AAA battery	
13	**I**	REM18	Antenna	I E	Internal External (if receiver is mounted inside control panel)	
14	**S**		Interface	S	Standard	
15	**0**		Relay expansion	0 1	No Yes	
16	**A**	(ELE44)	Direction symbols			ELE 44 value
				D	DIN and FEM standard	DIN
				S	SFS standard	FIN
				A	ANSI standard (compass)	ANSI
17	**1**	(OTH55)	Orientation of direction symbols			OTH55 value
				1	Forward or North in direction 1	1
				2	North in direction 2	2
				3	Forward or North in direction 3	3
				4	North in direction 4	4
				X	Undefined	-
18	**1**	(EL04)	UL approval	0 1	No UL approval cULus approval	
19	**0**		(not used)			

7 INVERTER PRODUCT CODE

7.1 ControlMaster™ EDGE

CMEDGE	004	E	1	0	0
1-6	7-9	10	11	12	13

Pos.	Code	Feature code	Feature	Available properties	
1-6	**CM EDGE**	(HS01) (TR01) (BT01)	Device name	TDU	HS01 Type of hoist control TR01 Type of trolley travel control BT01 Type of bridge travel control
7-9	**004**	(ELE83) (ELE84) (ELE85)	Power rating class	004, 009, 017, 028, 045	ELE83 Hoisting inverter power rating ELE84 Trolley travel inverter power rating ELE85 Bridge travel inverter power rating
10	**E**	(ELE83) (ELE84) (ELE85)	Supply voltage	E 380 – 480 V_{AC}, 50/60 Hz	Values are composed of two features: power rating class and supply voltage. E.g 004E = ELE83/ELE84/ELE85 value.
11	**1**	(ELE02)	Option board	0 No digital input option board (Fieldbus) 1 Digital input option board, 48-230 V_{AC} 2 Digital input option board, 24 V_{DC}	
12	**0**		Reserved	Reserved for future use	
13	**0**		Reserved	Reserved for future use	

7.2 ControlMaster™ NXT

CMNXT	003	E	T	XX	0	W	M	M
(TR01)	(ELE84)	(ELE84)	(ELE02)					
1-5	6-8	9	10	11,12	13	14	15	16

Pos.	Code	Feature code	Feature	Available properties		
1-5	**CMNXT**	(TR01) (BT01)	Device name	Branded Name		TR01 Type of trolley control BT01 Type of bridge control
				ControlMaster™ NXT		Value for feature code is TMK
6-8	**003**	(ELE84) (ELE85)	Power rating class	003 006	3 kW 6 kW **(Discontinued)**	ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating
9	**E**	(ELE84) (ELE85)	Supply voltage	E	380 – 480VAC, 50/60 Hz	Values are composed of two features, Power rating class and Supply voltage.
10	**T**	(ELE02)	Control voltage	Y P T V	42VAC, 50/60 Hz 48VAC, 50/60 Hz 115VAC, 50/60 Hz 230VAC, 50/60 Hz	ELE02 Control voltage for input
11,12	**XX**		Revision code	The latest revision may differ.		
13	**0**		Braking resistor type	0 B	No resistor (only 003 power rating) External braking resistor (only 006 power rating)	
14	**W**		Mounting	W	Wall mounting	
15	**M**		EMC level	M	Modifiable	
16	**M**		Option board	M	Modifiable	

7.3 ControlMaster™ LDR

CMLDR (TR01) 1-5	004 (ELE84) 6-8	E (ELE84) 9	T (ELE02) 10	10 11,12	0 13	W 14	M 15	0 16

Pos.	Code	Feature code	Feature	Available properties		
1-5	**CMLDR**	(TR01) (BT01)	Device name	Branded Name		TR01 Type of trolley control BT01 Type of bridge control
				ControlMaster™ LDR		TR01/BT01 = TDN
6-8	**004**	(ELE84) (ELE85)	Power rating class	004 007 011 020 034	4 kW 7 kW 11 kW 20 kW 34 kW	ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating Values are composed of two features, Power rating class and Supply voltage.
9	**E**	(ELE84) (ELE85)	Supply voltage	E	380 – 480VAC, 50/60 Hz	
10	**T**	(ELE02)	Control voltage	Y P T V	42VAC, 50/60 Hz 48VAC, 50/60 Hz 115VAC, 50/60 Hz 230VAC, 50/60 Hz	ELE02 Control voltage for input
11,12	**10**		Revision code	The latest revision may differ.		
13	**0**		Braking resistor type	0	External braking resistor	
14	**W**		Mounting	W 1	Wall mounting Through plate flange mounting	
15	**M**		EMC level and grounding	M	Modifiable (ground → non-ground)	
16	**0**		Option board	0	Modifiable	

7.4 ControlMaster™ Aspire

CMAspire	012	E	T	10	B	W	M	M
(HS01)	(ELE83)	(ELE83)	(ELE02)					
1-9	10-11	12	13	14,15	16	17	18	19

Pos.	Code	Feature code	Feature	Available properties		
1-9	**CMAspire**	(HS01)	Device name	Branded Name		HS01 Type of hoist control
				ControlMaster™ Aspire		HS01 = TMV
10-11	**012**	(ELE83)	Power rating class	006 012	6 kW (A3 hoist motor) 12 kW (A5 hoist motor)	ELE83 Hoisting inverter power rating Values are composed of two features, Power rating class and Supply voltage.
12	**E**	(ELE83)	Supply voltage	E	380 – 480 VAC, 50/60 Hz	
13	**T**	(ELE02)	Control voltage	Y P T V	42VAC, 50/60 Hz 48VAC, 50/60 Hz 115VAC, 50/60 Hz 230VAC, 50/60 Hz	ELE02 Control voltage for digital input
14,15	**10**		Revision code	The latest revision may differ.		
16	**B**		Braking resistor type	B		
17	**W**		Mounting	W	Wall mounting	
18	**M**		EMC level	M	Modifiable	
19	**M**		Option board	M	Modifiable	

7.5 ControlMaster™ Elite

CMEH	007	F	T	XX	A	0	0	0	L
(HS01) (TR01/BT01)	(ELE83) (ELE84/ELE85)	(ELE83) (ELE84/ELE85)	(ELE02)				ELE97		
1-4	5-7	8	9	10,11	12	13	14	15	16

Pos.	Code	Feature code	Feature	Available properties			
1-4	**CMEH** **CMET**	(HS01) (TR01/BT01)	Device name	CMEH CMET	Hoisting inverter Travelling inverter	D2H D2C	HS01 Type of hoist control (D2H) TR01 Type of trolley control (D2C) BT01 Type of bridge control (D2C)
5-7	**007**	(ELE83) (ELE84) (ELE85)	Power rating class	002 - 132			ELE83 Hoisting inverter power rating ELE84 Trolley inverter power rating ELE85 Bridge inverter power rating
8	**F**	(ELE83) (ELE84) (ELE85)	Supply voltage	F	380 – 500VAC, 50/60 Hz		ELE83, ELE84, ELE85 values are composed of two features, Power rating class and Supply voltage. e.g., 007F = ELE83/84/85 value
9	**T**	(ELE02)	Control voltage			ELE02 value	
				Y	42VAC, 50/60 Hz		
				P	48VAC, 50/60 Hz	48	
				T	115VAC, 50/60 Hz	115	
				V	230VAC, 50/60 Hz	230	
10,11	**XX**		Revision code	The latest revision may differ.			
12	**A**		Braking resistor type	A B	External resistor Internal resistor (included only CMET up to 015F)		
13	**0**		Mounting	0	Standard panel		
14	**0**	ELE97	EMC level	0 N	Unlimited (non-EU area or non-grounded network) Limited (EU area, grounded network)		
15	**0**		Boards			Reserved board slots	
				0	Standard	A, B, D	
				1	Standard with speed supervision	A, B, C, D	
				2	Profibus	A, B, D, E	
				3	Profibus with speed supervision	A, B, C, D, E	
				8	Relay	A, B, D, E	
				9	Relay with speed supervision	A, B, C, D, E	
16	**L**		Special	0 L	None Varnished boards		

8 ELECTRIC CHAIN HOIST PRODUCT CODE

8.1 Stagemaker® SR Concert Hoist

SR	05	B	04	1	050	4	U	-	206	C	B	020
1,2	3,4	5	6,7	8	9-11	12	13	14	15	20	21	22-24

Position	Code	Feature	Available Properties			
1,2	**SR**	Brand	STAGEMAKER Concert Hoist			
3,4	**05**	Body size	Code 02 05	Code 10 25		
5	**B**	Configuration	Code A – Direct control B – Control S - Single-phase			
6,7	**04**	Hoist speed	Code 02 04 08 16	60 Hz (fpm) 8 16 32 64	60 Hz m/min 2.4 4.8 9.6 19.2	50 Hz m/min 2 4 8 16
8	**1**	Chain fall	1 2	1-fall 2-fall		
9,10,11	**050**	Capacity	Code 012 025 050 100 160 200 250	Ton 1/8 ¼ ½ 1 1 ½ 2 2 ½	Kg 125 250 500 1000 1600 2000 2500	
12	**3**	Duty cycle	Code 3 4 5 6	ISO M3 M4 M5 M6		
13	**U**	Body position	Body up Body down	U D		
14-16	**-**	(Empty)				
17-19	**206**	Power supply	Code 206 236 466	Voltage – 60 Hz 208V 230V 460V		
20	**C**	Electrics	Code C E	 CSA IEC		
21	**B**	Control voltage	Code A B C C	 48VAC 115VAC 230VAC ACF		
22-25	**020**	Height of lift - meter	20 meters			

8.2 LK Electric Chain Hoist

LK	10	08	1	200	M5	2SP	080	N	120	466	C	B	20
1,2	3,4	5,6	7	8-10	11,12	13-15	16-18	19	20-22	23-25	26	27	28,29

Position	Code	Feature	Available Properties
1,2	**LK**	Brand	LK electric chain hoist FL/K
3,4	**10**	Body size (GE09)	Code / Available chain fall 02 / 1-fall 05 / 1-fall 10 / 1-fall or 2-fall 16 / 1-fall or 2-fall 25 / 1-fall or 2-fall
5,6	**08**	Hoist speed (SPD03)	Code / fpm – 60 Hz / m/min – 60 Hz 04 / 16 fpm / 4.8 m/min 08 / 32 fpm / 9.6 m/min 16 / 64 fpm / 19.2 m/min
7	**1**	Chain fall (DES27)	Code / Description 1 / 1-fall 2 / 2-fall 3 / 3-fall
8-10	**050**	Capacity (LOA01)	Code / Kg / ton / Code / Kg / ton / Code / Kg / ton 012 / 125 / 1/8 / 100 / 1000 / 1 / 320 / 3200 / 3 025 / 250 / ¼ / 160 / 1600 / 1 1/2 / 400 / 4000 / 4 050 / 500 / 1/2 / 200 / 2000 / 2 / 500 / 5000 / 5
11,12	**M5**	ISO duty	ISO / ASME M4 / H3 M5 / H4 M6
13-15	**2SP**	Hoist control (HS01)	1SP / Single speed 2SP / Two-speed INV / Inverter
16-18	**080**	Height of lift	meters / 080 / 8 meters
19	**N**	Suspension	Code / Description of code N / Normal trolley L / Low headroom trolley S / Swiveling trolley F / Top hook or lug
20-22	**120**	Flange width (mm)	
23-25	**466**	Power supply	Code / 50 Hz supply / Code / 60 Hz supply 235 / 230V / 206 / 208V 385 / 380V / 236 / 230V 405 / 400V / 466 / 460V 576 / 575V
26	**C**	Electrics	Code / Description of code C / CSA E / IEC
27	**B**	Control voltage	Code / Description of code A / 48 B / 115 C / 230
28, 29	**20**	Traveling speed	Code / fpm – 60 Hz / m/min – 60 Hz 20 / 65 fpm / 20 m/min

8.3 LR Electric Chain Hoist

LR	10	empty	08	02	200	5	N	120	466	C	B	006
1,2	3,4	5	6,7	8,9	10-12	13	14	15-17	18-20	21	22	23-25

Position	Code	Feature	Available Properties
1,2	**LR**	Brand	LR electric chain hoist / NECH-M
3,4	**10**	Body size (GE09)	Code: 02 = 1-fall, GE09 value NM02; 05 = 1-fall, NM05; 10 = 1-fall or 2-fall, NM10
5	**space**		Empty space
6,7	**08**	Hoist speed (SPD03)	Code: 02 = 8 fpm / 2.4 m/min / 2 m/min; 04 = 16 fpm / 4.8 m/min / 4 m/min; 08 = 32 fpm / 9.6 m/min / 8 m/min; 16 = 64 fpm / 19.2 m/min / 16 m/min
8,9	**1**	Chain fall (DES27)	Code: 01 = 1-fall; 02 = 2-fall
10,11,12	**200**	Capacity (LOA01)	012 = 125 / 1/8; 025 = 250 / ¼; 050 = 500 / 1/2; 100 = 1000 / 1; 160 = 1600 / 1 1/2; 200 = 2000 / 2; 320 = 3200 / 3; 400 = 4000 / 4; 500 = 5000 / 5
13	**5**	Hoist duty class	Code: 4 = ISO M4 / ASME H3; 5 = M5 / H4; 6 = M6 / H4+
14	**N**	Suspension	N = Normal trolley; L = Low headroom trolley; F = Fixed hoist (no trolley); S = Swiveling trolley; Q = Hand chain trolley; Y = Push trolley
15,16,17	**120**	Flange width (mm)	
18,19,20	**466**	Power supply voltage	235 = 230V; 385 = 380V; 405 = 400V; 206 = 208V; 236 = 230V; 466 = 460V; 576 = 575V
21	**C**	Electric norm	C = CSA; E = IEC
22	**B**	Control voltage	A = 48; B = 115; C = 230
23,24,25	**060**	Height of lift	meters: 006 = 6 meters; 008 = 8 meters