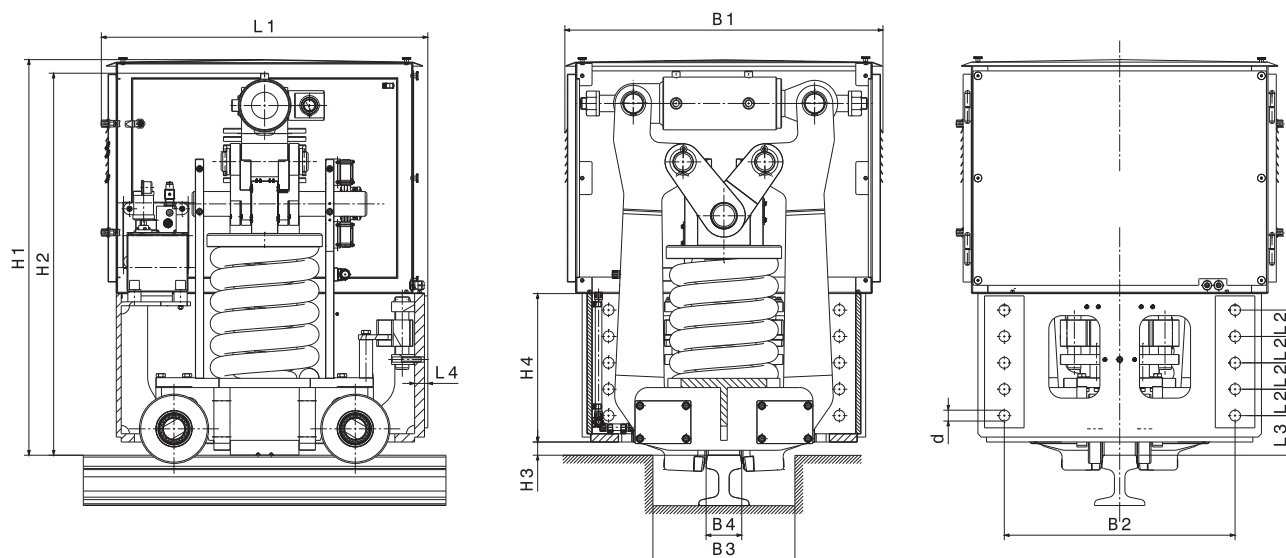


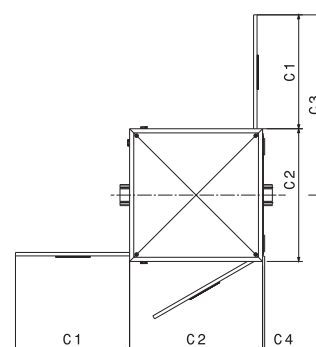
RAIL CLAMP RB

M 1501 450 E-EN-2017-12



TECHNICAL DATA:

- Airgap per side : 4,5 mm – 5 mm
- Max. wear rail/ jaw per side : 5 mm
- Ambient temperature : - 20 °C to + 50 °C
- Closing time setting : 5 s to 30 s
- Opening time : approx. 8 s
- Motor voltage : 230/ 400 V, 50/ 60 Hz, S3 – 30 %
- Valve voltage : 24 V



- *1 At max. rail size acc. information B4. Deviations from the standard upon request.
- *2 Crane rail acc. DIN, other types of crane rails upon request
- *3 Quantity and strength grade of the screws.

o RB 200-50	: 6x M20 – 10.9	Ma = 580 Nm, $\mu = 0,14$
o RB 400-50	: 8x M24 – 10.9	Ma = 1000 Nm, $\mu = 0,14$
o RB 600-50	: 8x M30 – 10.9	Ma = 2000 Nm, $\mu = 0,14$
o RB 800-50	: 10x M30 – 10.9	Ma = 2000 Nm, $\mu = 0,14$
o RB 1000-50	: 12x M30 – 10.9	Ma = 2000 Nm, $\mu = 0,14$

RAIL CLAMP RB

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HOLDING FORCE AND DIMENSIONS

Typ:	Holding force [kN]		Weight [kg]	B1 [mm]	B2 [mm]	B3*1 min. [mm]	B4*2 [mm]	C1 [mm]	C2 [mm]	C3 [mm]	C4 [mm]	d*3 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
μ [-]	0,25	0,5																		
RB 200-50	100	200	520	820	540	270	A65 A75 A100	649	785	1042	7	22	925	842	40	320	808	100	110	30
RB 400-50	200	400	760	865	580	300	A75 A100	694	830	1109	17	26	997	949	40	350	863	80	105	30
RB 600-50	300	600	1190	955	650	380	A100 A120 A150	784	920	1244	15	33	1157	1116	40	400	951	90	115	35
RB 800-50	400	800	1550	995	700	380	A120 A150	824	960	1304	15	33	1210	1167	40	450	990	80	120	40
RB 1000-50	500	1000	1850	1035	780	400	A120 A150	864	1030	1394	0	33	1248	1210	40	530	1046	80	120	40

DESCRIPTION AND TECHNICAL DATA:

- The rail clamps are released electro-hydraulically and close with spring force.
- When the rail clamp is closed, the compression springs press on the pressure straps (knee lever system) in the middle, between the two clamp levers, thereby generating the clamp-ing force.
- Via this system, the ratio of the lever system is increased as the jaw/ rail wears, thereby more or less compensating for the decreasing spring force. Within the permissible wear range of the jaws/ rail, the clamping force is nearly constant.
- The rail clamp is guided on the rail by the flange wheels; this ensures the mechanics of the rail clamp is afforded horizontal freedom of movement (float) of ± 30 mm and a vertical freedom of movement (float) of ± 20 mm in the rail clamp housing. In the direction parallel to the rails, the clamp is guided with minimal play (5 mm per direction of travel) in the rail clamp housing.
- Lockable protection cover made of stainless steel and three inspections doors.
- The release of the rail clamp occurs via integrated hydraulic power pack (HPU) with hy-draulic cylinder. In emergency stop operation, the rail clamp can be released via hand pump connected to the HPU.
- The functional status of the rail clamp is monitored with the signals of the limit switches: „Brake open“, „Brake closed“, and „wear end“.