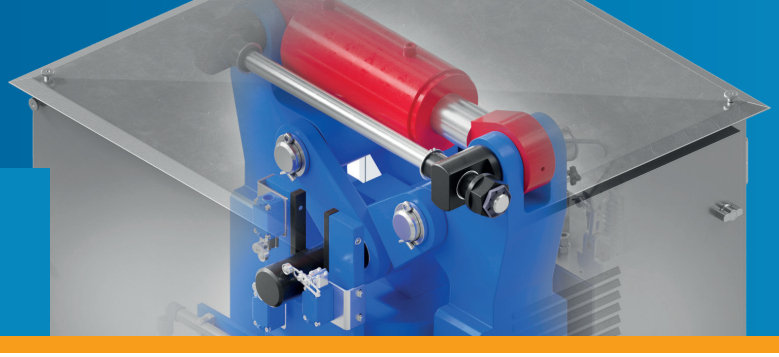
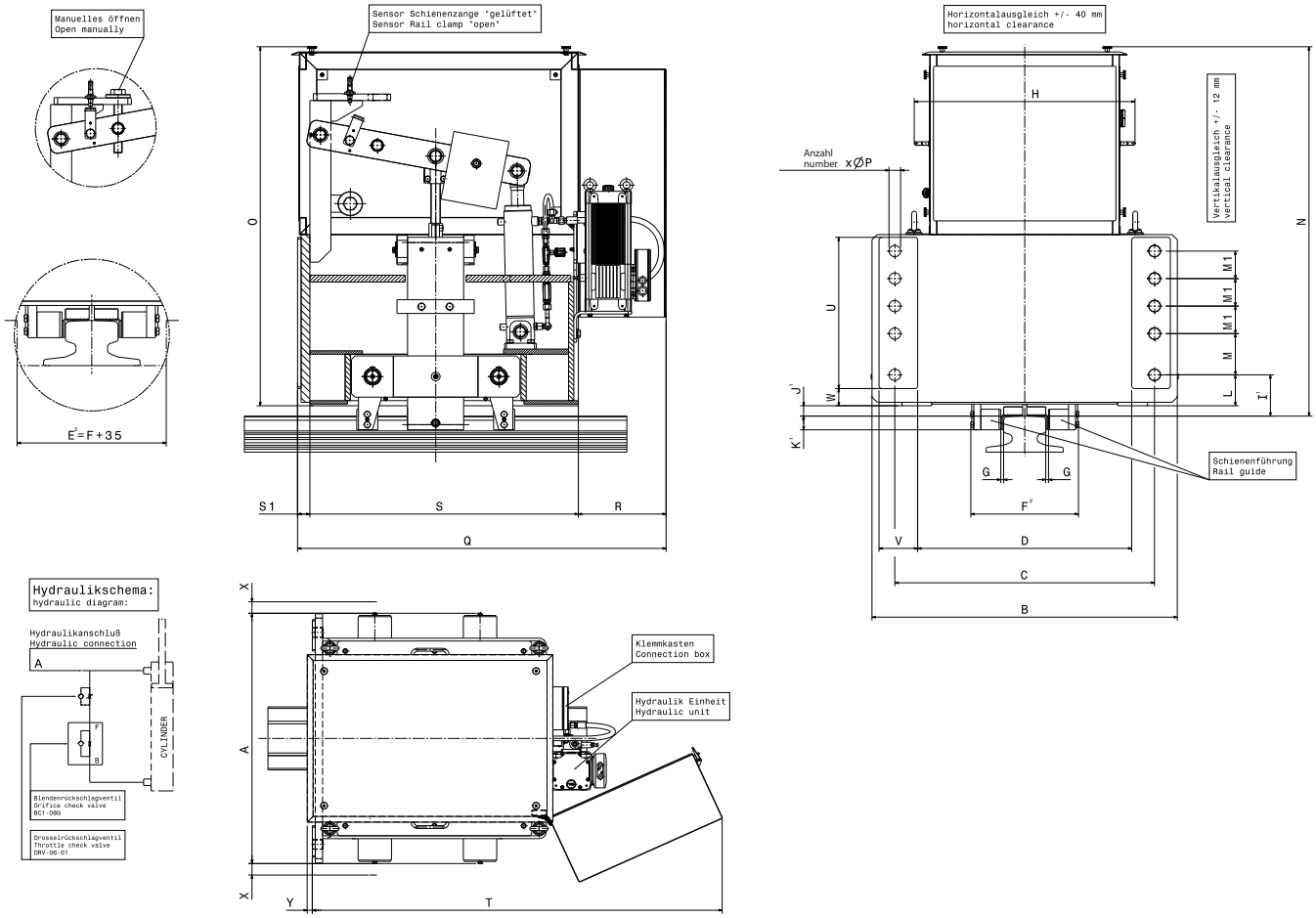
RAIL CLAMP

RB-SL

M 1501 512 E





- *1 Variable depending on vertical compensation
- *2 For max. rail size: RB-SL 250-50 - A100
  RB-SL 400-50 - A100
  RB-SL 600-50 - A120
  RB-SL 800-50 - A120

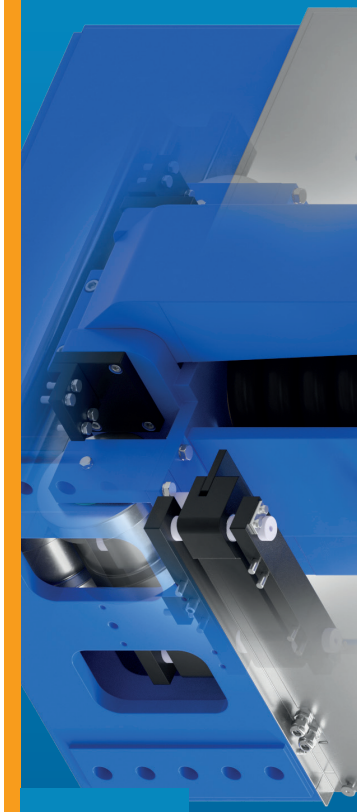
• For wider rails, please contact our technical office.

TECHNICAL DETAILS:

- Ambient temperature : - 20 °C bis + 50 °C
- Closing time setting : 8 s bis 15 s
- Release time : ca. 15 s bis 27 s
- Motor voltage : 400 V 50 Hz, 460 V 60 Hz
  230 V 50 Hz, 265 V 60 Hz
- Valve voltage : 24 V
- Number and strength class of screws:
  - RB-SL 250-50 : 8x M24 – 10.9 Ma = 1000 Nm, μ = 0,14
  - RB-SL 400-50 : 8x M24 – 10.9 Ma = 1000 Nm, μ = 0,14
  - RB-SL 600-50 : 8x M30 – 10.9 Ma = 2000 Nm, μ = 0,14
  - RB-SL 800-50 : 10x M30 – 10.9 Ma = 2000 Nm, μ = 0,14
- Crane rail according to DIN 536, other crane rail types on request.
- All protective devices are removable.

HOLDING FORCE AND DIMENSIONS

Type:	Holding force [kN]	Weight [kg]	A	B	C	D	E[2]	F[2]	G	H	I[1]	J[1]	K[1]	L	M	M[1]	N	O	number Ø P[3]	Q	R	S	S1	T	U	V	W	X	Y
RB-SL 200-50	250	390	578	540	480	370	282	247	7,5	509	110	30	40	80	100	100	957	927	8x Ø26	868	250	618	28	1113	400	80	15	40	19,5
RB-SL 400-50	400	500	653	680	600	460	282	247	7,5	519	100	30	40	70	110	110	1032	1002	8x Ø26	945	250	695	30	1199	450	100	10	40	17,5
RB-SL 600-50	600	710	784	790	690	530	342	307	8	593	120	30	40	90	120	120	1045	1005	8x Ø33	1015	250	765	35	1334	440	120	50	40	17,5
RB-SL 800-50	800	840	874	870	740	610	342	307	8	629	120	30	40	90	120	80	1075	1035	10x Ø33	1050	250	800	35	1402	440	110	50	40	17,5



DESCRIPTION AND TECHNICAL DATA

- The RB-SL 250 to 800 rail clamps are storm brakes that are suitable for high holding forces.
- They are self-locking. When wind force acts on the crane and sets it in motion, the brake levers with the brake shoes are pressed sideways against the rail via a wedge frame. This contact force becomes stronger the further the crane moves. However, the maximum contact force must not be exceeded.
- The rail clamps can only absorb horizontal holding forces.
- The maximum permissible deviation of the crane rail from the clamp housing is ±40 mm horizontally and ±12 mm vertically.
- The rail clamp is released via an integrated hydraulic unit with a hydraulic cylinder. In the event of a power failure, the rail clamp can be released via a manual emergency release.
- The function of the rail clamp is monitored by signals from the “rail clamp up” and “sensor for keeping the rail clamp open” sensors.