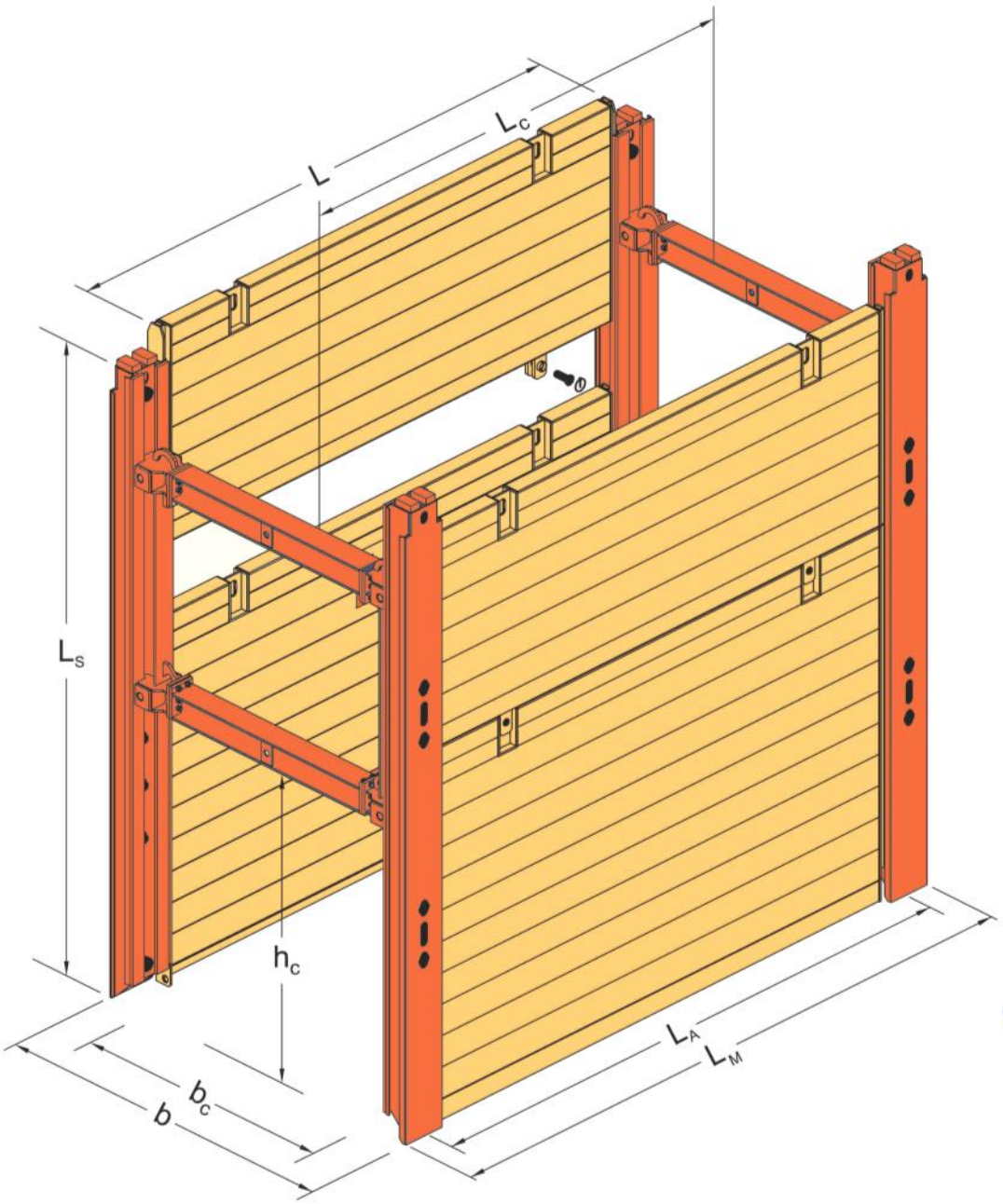
Slide rail system PARALLEL SINGLE rail EGPV

Advised depth of work	Max. 4.0 m
Rail length	4.0 m
Rail weight	465 kg
Limit state design moment	338 kN.m
Stretch length	2.0 m - 6.25 m
Lifting device	Excavator ≈ 15 - 25 tons

Usually, the sliding system is used at depths exceeding the 4.0m, however based on works to be done and soil conditions, trench boxes can be unsuitable. This is why we developed this Light Single Slide Rail. The Single Slide rail of the parallel EGPV system, receives the panels which are guided throughout their descent with the “cutting and push down” method. This being done simultaneously during the excavation.

Slide rail system PARALLEL
SINGLE rail EGPV



Conformité
DIN 4124
DIN EN 13331

H	Plate height
L	Plate length
L_C	Pipe culvert length
L_S	Rail length
L_M	Unit length
b_C	Working width
b	Shoring width
h_C	Pipe culvert height

Slide rail system PARALLEL SINGLE rail EGPV

Base plate LxH	Weight plate	Length unit L_M	Pipe culvert length L_C	Thickness plate t_{pl}	State design load limit ed
[mm]	*[kg]*	*[mm]*	*[mm]*	*[mm]*	*[kN/m²]*
KR 2000x2400	510	2562	2102	100	171.6
KR 2500x2400	605	3062	2602	100	110.4
KR 3000x2400	690	3482	3022	100	81.1
KR 3500x2400	805	4062	3602	100	56.6
KR 4000x2400	1165	4562	4102	120	71.0
KR 4500x2400*	1305	5062	4602	120	56.2
KR 5000x2400*	1630	5562	5102	120	73.1
KR 6250x2400*	3510	6788	6328	120	66.0
Top plate					
KRA 2000x1400	335	2562	2102	100	171.6
KRA 2500x1400	395	3062	2602	100	110.4
KRA 3000x1400	450	3482	3022	100	81.1
KRA 3500x1400	525	4062	3602	100	56.6
KRA 4000x1400	745	4562	4102	120	71.0
KRA 4500x1400*	830	5062	4602	120	56.2
KRA 5000x1400*	1020	5562	5102	120	73.1
KRA 6250x1400*	2315	6788	6328	120	66.0

*Special required dimensions available; caracteristics may vary based on steel choice for their fabrication.

Tensile forces:

- lifting eyes at the rail head Rd = 229 kN
- lifting eyes at the plate head Rd = 226 kN
- bottom eyes Rd = 47 kN

Working width mini b_c	Excavation width mini b	Post frame weight (without brace beam)
[mm]	*[mm]*	*[kg]*
482	682	1186