Single slide rail system EG FP

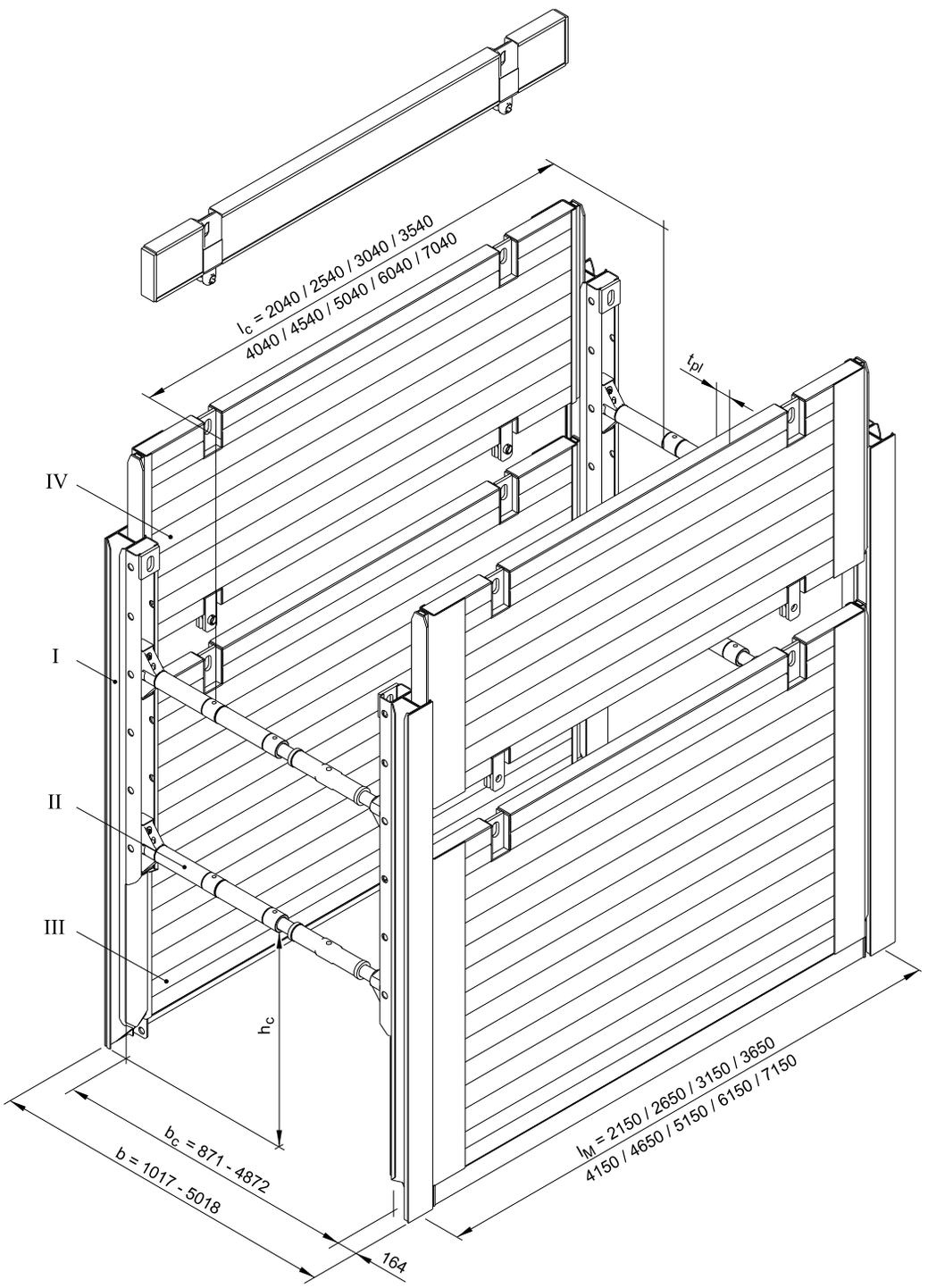
The EG FP single slide-rail version with the sprung socket is the logical further development of the box system into a guided shoring system, i.e. slide-rail shoring forming a self-contained system. Slide-rail shoring is designed among other things for loose soils and can therefore only be installed using the dig-and-push method. In the FP version the sprung socket is attached directly to the slide-rail and positioned in the grid of holes dictated by the needs of load discharge.

The smallest of the slide-rail systems provides a safe and strong shoring system and is the ideal addition to the range of trench boxes for loose soil. Installation is possible with the dig-and-push method to a max. depth of 3.7 m. With low lifting loads, it is also very suited to inner-city locations with small wheeled excavators.

Basic data

Shoring depth	max. 3,70 m
Pipe culvert height	max. 1,40 m
Earth pressure max.	23,58 - 55,80 kN
Panel length	2,00 m - 7,00 m
Height base panel	2,32 m
Height top panel	1,30 m

Technical contents are subject to change. Publishing date 08/11/2016



(All dimensions in mm)

I	Slide rail	l_M	Module length	h_c	Pipe culvert height
II	Strut	l_c	Pipe culvert length	t_{pl}	Thickness
III	Base panel	b	Shoring width		
IV	Top panel	b_c	Inner width		

Technical contents are subject to change. Publishing date 08/11/2016

Slide rails

Art. No.	Description	l [m]	G [kg]
156 050	EG FP - 3500	**3,50**	230,0

Slide rail panels Krings sliding rail systems
Base panels KRI (height 2.32 m)

Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 096	**2,00**	2,27	2,32	0,110	531,0	4,64	141,00
151 101	**2,50**	2,77	2,82	0,110	624,0	5,80	90,50
151 106	**3,00**	3,27	3,32	0,110	710,0	6,96	62,90
151 111	**3,50**	3,77	3,82	0,110	808,0	8,12	46,20
151 121	**4,00**	4,27	4,32	0,125	1.033,0	9,28	50,60
151 126	**4,50**	4,77	4,82	0,125	1.150,0	10,44	40,00
151 131	**5,00**	5,27	5,32	0,125	1.259,0	11,60	32,40

Base panels KRU (height 2.32 m)

Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 256	**2,00**	2,27	2,32	0,110	531,0	4,64	141,00
151 261	**2,50**	2,77	2,82	0,110	625,0	5,80	90,50
151 267	**3,00**	3,27	3,32	0,110	710,0	6,96	62,90
151 273	**3,50**	3,77	3,82	0,110	808,0	8,12	46,20
151 276	**4,00**	4,27	4,32	0,125	1.033,0	9,28	50,60
151 286	**4,50**	4,77	4,82	0,125	1.150,0	10,44	40,00
151 291	**5,00**	5,27	5,32	0,125	1.260,0	11,60	32,40

Top panels KRI (height 1.30 m)

Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 015	**2,00**	2,27	2,32	0,110	368,0	2,60	141,00
151 020	**2,50**	2,77	2,82	0,110	430,0	3,25	90,50
151 025	**3,00**	3,27	3,32	0,110	485,0	3,90	62,90
151 030	**3,50**	3,77	3,82	0,110	558,0	4,55	46,20
151 040	**4,00**	4,27	4,32	0,125	686,0	5,20	50,60
151 045	**4,50**	4,77	4,82	0,125	762,0	5,85	40,00
151 050	**5,00**	5,27	5,82	0,125	832,0	6,50	32,40

Top panels KRU (height 1.30 m)

Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 175	**2,00**	2,27	2,32	0,110	368,0	2,60	141,00
151 180	**2,50**	2,77	2,82	0,110	430,0	3,25	90,50
151 185	**3,00**	3,27	3,32	0,110	485,0	3,90	62,90
151 190	**3,50**	3,77	3,82	0,110	558,0	4,55	46,20
151 200	**4,00**	4,27	4,32	0,125	686,0	5,20	50,60
151 205	**4,50**	4,77	4,82	0,125	762,0	5,85	40,00
151 210	**5,00**	5,27	5,32	0,125	832,0	6,50	32,40

Base panels KR -outside- (height 2.30 m)

Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 133	**6,00**	6,25	6,30	0,150	1.851,0	13,80	37,80
151 134	**7,00**	7,25	7,30	0,150	2.180,0	16,10	27,70

Technical contents are subject to change. Publishing date 08/11/2016

Base panels KR -inside- (height 2.30 m)

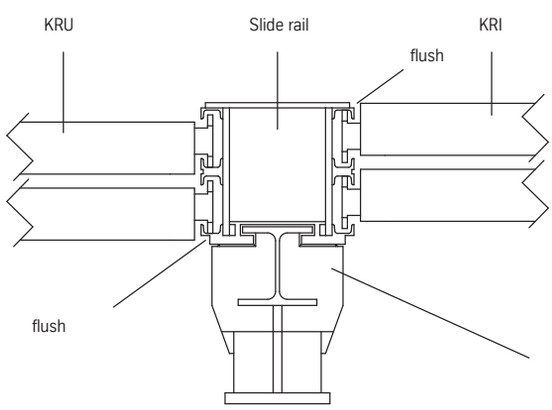
Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 293	**6,00**	6,25	6,30	0,150	1.850,0	13,80	37,80
151 294	**7,00**	7,25	7,30	0,150	2.180,0	16,10	27,70

Top panels KR -outside- and -inside- (height 1.35 m)

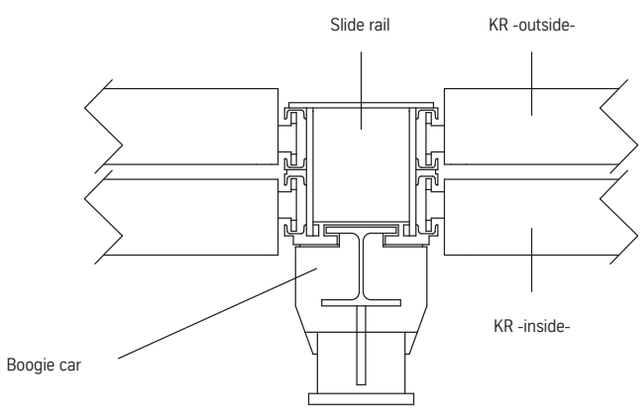
Art. No.	l [m]	l_M EG PV [m]	l_M DG PV [m]	t_{pl} [m]	G / VP [kg]	A [m²]	eh [kN/m²]
151 053	**6,00**	6,25	6,30	0,150	1.380,0	8,10	37,80
151 054	**7,00**	7,25	7,30	0,150	1.650,0	9,45	27,70

Difference between KRI and KRU panels

for panels l = 2,00 m - 5,00 m



for panels l = 6,00 m - 7,00 m



l	Length	A	Area	eh	Earth pressure max.
l_M	Module length	G	Weight	EG PV	Single slide rail system
h	Height	G / VP	Weight per shoring panel	DG PV	Double slide rail system
t_{pl}	Thickness	d	Diameter		

Pipe culvert length l_c

Base panel	Strut SP SB 98x550	Strut SP SB 98x700	Strut SP SB 98x817	Module length l_M
	[m]	[m]	[m]	[m]
KRI / KRU 2000	2,04	2,04	2,03	2,15
KRI / KRU 2500	2,54	2,54	2,53	2,65
KRI / KRU 3000	2,04	2,04	2,03	3,15
KRI / KRU 3500	3,54	3,54	3,53	3,65
KRI / KRU 4000	4,04	4,04	4,03	4,15
KRI / KRU 4500	4,54	4,54	4,53	4,65
KRI / KRU 5000	5,04	5,04	5,03	5,15
KRI / KRU 6000	6,04	6,04	6,03	6,15
KRI / KRU 7000	7,04	7,04	7,03	7,15

Technical contents are subject to change. Publishing date 08/11/2016

Shoring widths
Spindle 98x550 (adjustment range max. 200 mm)

		KRI 2000 to 3500		KRU 2000 to 3500	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,081 - 1,281	0,871 - 1,071	1,017 - 1,217	0,807 - 1,007
139 430	0,30	1,381 - 1,581	1,171 - 1,371	1,317 - 1,517	1,107 - 1,307
139 445	0,50	1,581 - 1,781	1,371 - 1,571	1,517 - 1,717	1,307 - 1,507
139 385	1,00	2,081 - 2,281	1,871 - 2,071	2.017 - 2,217	1,807 - 2,007
139 400	1,50	2,581 - 2,781	2,371 - 2,571	2,517 - 2,717	2,307 - 2,507
139 420	2,00	3,081 - 3,281	2,871 - 3,071	3,017 - 3,217	2,807 - 3,007
139 425	2,50	3,581 - 3,781	3,371 - 3,571	3,517 - 3,717	3,307 - 3,507

		KRI 4000 to 5000		KRU 4000 to 5000	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,121 - 1,321	0,817 - 1,017	1,017 - 1,217	0,767 - 0,967
139 430	0,30	1,421 - 1,621	1,117 - 1,317	1,317 - 1,517	1,067 - 1,267
139 445	0,50	1,621 - 1,821	1,317 - 1,517	1,517 - 1,717	1,267 - 1,467
139 385	1,00	2,121 - 2,321	1,817 - 2,017	2,017 - 2,217	1,767 - 1,967
139 400	1,50	2,621 - 2,821	2,317 - 2,517	2,517 - 2,717	2,267 - 2,467
139 420	2,00	3,121 - 3,321	2,817 - 3,017	3,017 - 3,217	2,767 - 2,967
139 425	2,50	3,621 - 3,821	3,317 - 3,517	3,517 - 3,717	3,267 - 3,467

Spindle 98x700 (adjustment range max. 340 mm)

		KRI 2000 to 3500		KRU 2000 to 3500	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,257 - 1,597	1,047 - 1,387	1,193 - 1,533	0,983 - 1,323
139 430	0,30	1,557 - 1,897	1,347 - 1,687	1,493 - 1,833	1,283 - 1,623
139 445	0,50	1,757 - 2,097	1,547 - 1,887	1,693 - 2,033	1,483 - 1,823
139 385	1,00	2,257 - 2,597	2,047 - 2,387	2,193 - 2,533	1,983 - 2,323
139 400	1,50	2,757 - 3,097	2,547 - 2,887	2,693 - 3,033	2,483 - 2,823
139 420	2,00	3,257 - 3,597	3,047 - 3,387	3,193 - 3,533	2,983 - 3,323
139 425	2,50	3,757 - 4,097	3,547 - 3,887	3,693 - 4,033	3,483 - 3,823

		KRI 4000 to 5000		KRU 4000 to 5000	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,297 - 1,637	1,047 - 1,387	1,193 - 1,533	0,943 - 1,283
139 430	0,30	1,597 - 1,937	1,347 - 1,687	1,493 - 1,833	1,243 - 1,583
139 445	0,50	1,797 - 2,137	1,547 - 1,887	1,693 - 2,033	1,443 - 1,783
139 385	1,00	2,297 - 2,637	2,047 - 2,387	2,193 - 2,533	1,943 - 2,283
139 400	1,50	2,797 - 3,137	2,547 - 2,887	2,693 - 3,033	2,443 - 2,783
139 420	2,00	3,297 - 3,637	3,047 - 3,387	3,193 - 3,533	2,943 - 3,283
139 425	2,50	3,797 - 4,137	3,547 - 3,887	3,693 - 4,033	3,443 - 3,783

Technical contents are subject to change. Publishing date 08/11/2016

Spindle 98x817 (adjustment range max. 400 mm)

		KRI 2000 to 3500		KRU 2000 to 3500	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,182 - 1,582	0,972 - 1,372	1,118 - 1,518	0,908 - 1,308
139 510	1 x 0,50	1,682 - 2,082	1,472 - 1,872	1,618 - 2,018	1,408 - 1,808
139 510	2 x 0,50	2,182 - 2,582	1,972 - 2,372	2,118 - 2,518	1,908 - 2,308
139 510	3 x 0,50	2,682 - 3,082	2,472 - 2,872	2,618 - 3,018	2,408 - 2,808
139 510	4 x 0,50	3,182 - 3,582	2,972 - 3,372	3,118 - 3,518	2,908 - 3,308
139 510	5 x 0,50	3,682 - 4,082	3,472 - 3,872	3,618 - 4,018	3,408 - 3,808
139 510	6 x 0,50	4,182 - 4,582	3,972 - 4,372	4,118 - 4,518	3,908 - 4,308
139 510	7 x 0,50	4,682 - 5,082	4,472 - 4,872	4,618 - 5,018	4,408 - 4,808

		KRI 4000 to 5000		KRU 4000 to 5000	
Extension bar	Length	Trench width b	Inner width b_c	Trench width b	Inner width b_c
	[m]	[m]	[m]	[m]	[m]
without	0	1,222 - 1,622	0,972 - 1,372	1,118 - 1,518	0,868 - 1,268
139 510	1 x 0,50	1,722 - 2,122	1,472 - 1,872	1,618 - 2,018	1,368 - 1,768
139 510	2 x 0,50	2,222 - 2,622	1,972 - 2,372	2,118 - 2,518	1,868 - 2,268
139 510	3 x 0,50	2,722 - 3,122	2,472 - 2,872	2,618 - 3,018	2,368 - 2,768
139 510	4 x 0,50	3,222 - 3,622	2,972 - 3,372	3,118 - 3,518	2,868 - 3,268
139 510	5 x 0,50	3,722 - 4,122	3,472 - 3,872	3,618 - 4,018	3,368 - 3,768
139 510	6 x 0,50	4,222 - 4,622	3,972 - 4,372	4,118 - 4,518	3,868 - 4,268
139 510	7 x 0,50	4,722 - 5,122	4,472 - 4,872	4,618 - 5,018	4,368 - 4,768

Accessories / Spares

Art. No.	Short description	l [m]	G [kg]	d [m]
138 070	Pin 212 x 43	**0,212**	2,5	0,043
138 200	Spring cotter 92 x 5	**0,092**	0,1	0,005
139 130	Strut key (straight)		5,0	
139 125	Strut key (curved)		5,0	
139 110	Wire rope 4-legs, 1800 x 20	**1,80**	40,0	
139 120	Wire rope 4-legs, 2800 x 20	**2,80**	46,0	
139 070	Chain sling connection, 4-leg, 2300 x 13	**2,30**	45,0	
139 080	Chain sling connection, 4-leg, 2800 x 13	**2,80**	57,0	
159 050	Pin d = 50, connector (slide rail)	**0,125**	1,1	0,043
159 160	Spring cotter 42 x 6	**0,042**	0,1	0,006
159 250	Protection for SA EG FP		23,0	

l	Length	b	Trench width	G	Weight
l_c	Pipe culvert length	b_c	Inner width		
l_M	Module length	d	Diameter		

Technical contents are subject to change. Publishing date 08/11/2016