

E+S Trench shoring systems / Sliding rail systems

## Double slide rail for corner post



↑ Double slide rail for corner post

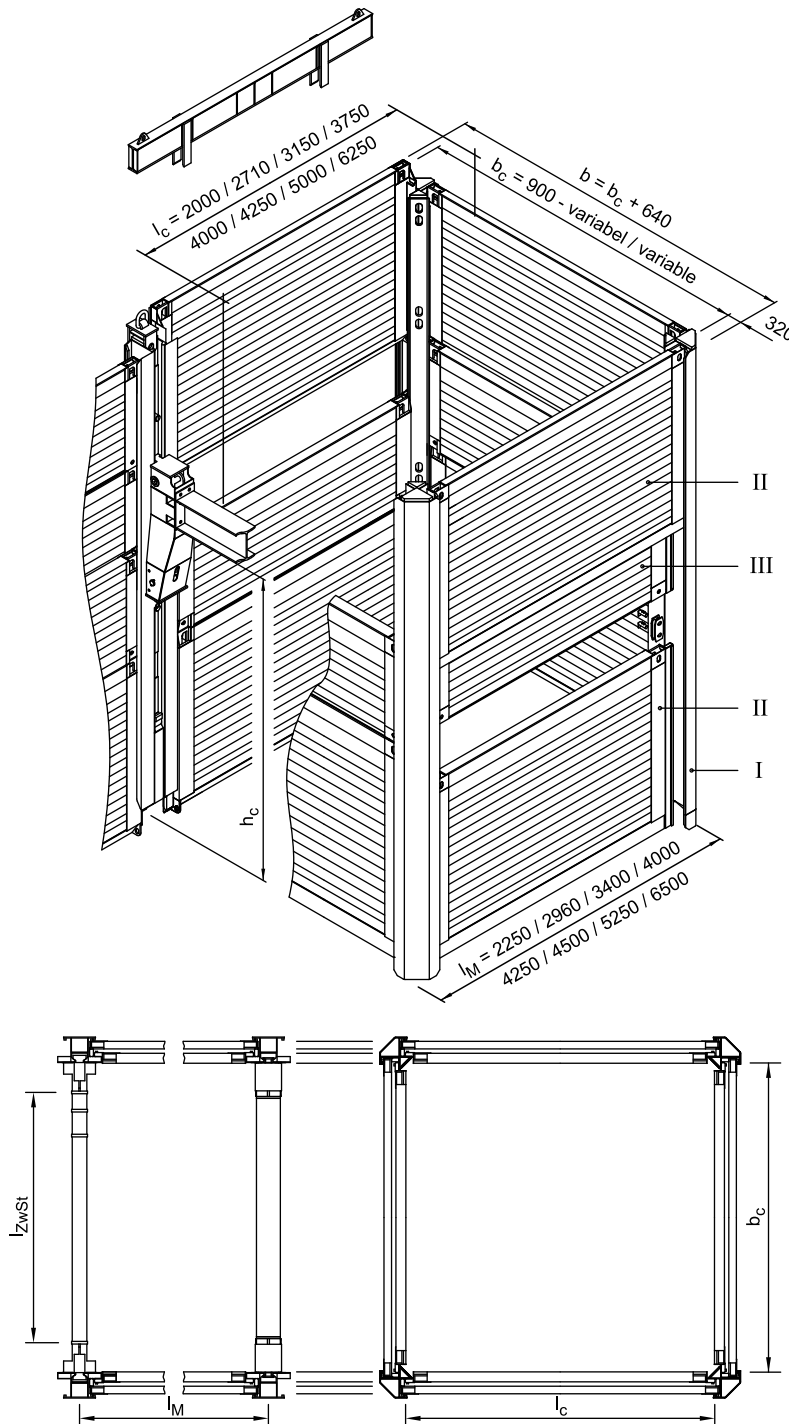
Module length	2,25 m - 6,50 m
Length slide rail	5,13 m / 6,13 m
Panel height	1,32 m / 2,32 m
Shoring width	1,89 m - 6,14 m

Corner rail shoring is a special shoring solution for shaft structures. It usually consists of 4 slide-rail panels and 4 corner rail supports. It does without special bracing systems. All forces are discharged by the shoring panels. Corner rail shoring can take the form of single-rail or

overlapping shoring, depending on the supports employed.

Since the panels of various lengths are used in pairs, rectangular pits of different sizes are possible. Because of the particular design of this system, its use depends essentially on the soil conditions.

## Double slide rail for corner post



- I Corner post
- II Base panel
- III Top panel
- $l_M$  Module length
- $l_c$  Pipe culvert length

- b Shoring / trench width
- $b_c$  Inner width
- $h_c$  Pipe culvert height
- $l_{zwSt}$  Length extension bar

### ↑ Double slide rail for corner post

(All dimensions in mm)

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### Corner post

Art. No.	Short description	l [m]	G [kg]
835 100	Corner post	<b>5,13</b>	720,0
835 120	Corner post	<b>6,13</b>	900,0

### Base panel -outside- (Height 2,32 m)

Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
821 150	<b>2,00</b>	2,25	0,11	2,00	540,0	4,64
821 170	<b>2,71</b>	2,96	0,11	2,71	670,0	6,29
821 310	<b>3,15</b>	3,40	0,11	3,15	755,0	7,31
821 770	<b>3,75</b>	4,00	0,11	3,75	865,0	8,70
821 910	<b>4,00</b>	4,25	0,11	4,00	985,0	9,28
821 913	<b>4,25</b>	4,50	0,15	4,25	1.225,0	9,86
821 912	<b>5,00</b>	5,25	0,15	5,00	1.545,0	11,60
821 916	<b>6,25</b>	6,50	0,15	6,25	1.910,0	14,50

### Top panel -outside- (Height 1,32 m)

Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
822 075	<b>2,00</b>	2,25	0,11	2,00	365,0	2,64
821 190	<b>2,71</b>	2,96	0,11	2,71	450,0	3,58
822 310	<b>3,15</b>	3,40	0,11	3,15	510,0	4,16
822 710	<b>3,75</b>	4,00	0,11	3,75	580,0	4,95
822 810	<b>4,00</b>	4,25	0,11	4,00	640,0	5,28
822 813	<b>4,25</b>	4,50	0,15	4,25	900,0	5,61
822 815	<b>5,00</b>	5,25	0,15	5,00	1.130,0	6,60
822 830	<b>6,25</b>	6,50	0,15	6,25	1.400,0	8,25

### Top panel -outside- (Height 2,30 m)

Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
822 820	<b>5,00</b>	5,25	0,15	5,00	1.700,0	11,50

### Base panels -inside- (height 2.32 m)

Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
821 120	<b>1,89</b>	2,25	0,11	2,00	516,0	4,38
821 160	<b>2,60</b>	2,96	0,11	2,71	650,0	6,03
821 250	<b>3,04</b>	3,40	0,11	3,15	730,0	7,05
821 610	<b>3,64</b>	4,00	0,11	3,75	840,0	8,44
821 850	<b>3,89</b>	4,25	0,11	4,00	965,0	9,02
821 855	<b>4,14</b>	4,50	0,15	4,25	1.185,0	9,58
821 860	<b>4,89</b>	5,25	0,15	5,00	1.505,0	11,34
821 861	<b>6,13</b>	6,50	0,15	6,25	1.880,0	14,22

### Top panels -inside- (height 1.32 m)

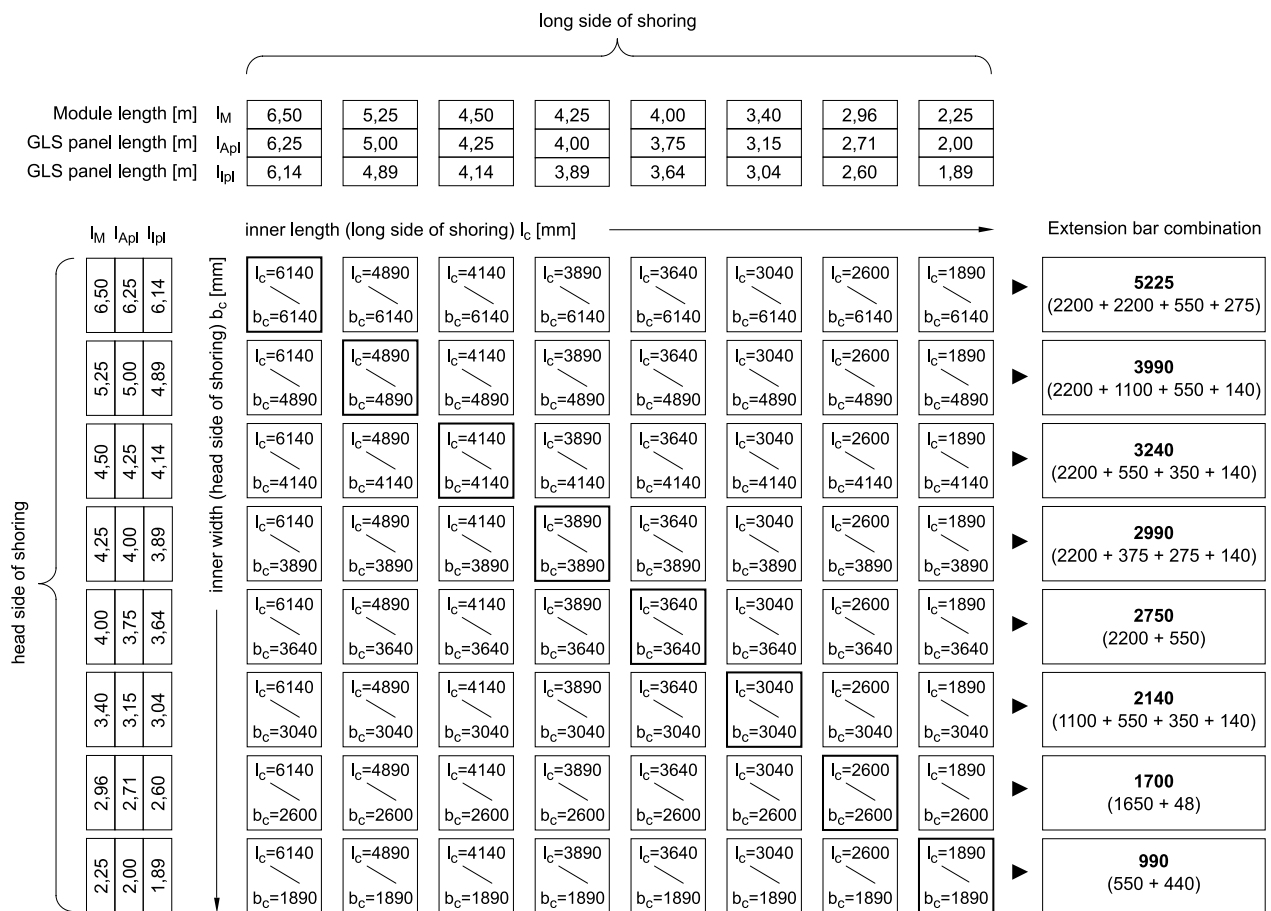
Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
822 060	<b>1,89</b>	2,25	0,11	2,00	355,0	2,49
821 180	<b>2,60</b>	2,96	0,11	2,71	445,0	3,43
822 120	<b>3,04</b>	3,40	0,11	3,15	500,0	4,01
822 620	<b>3,64</b>	4,00	0,11	3,75	570,0	4,80
822 760	<b>3,89</b>	4,25	0,11	4,00	635,0	5,13
822 783	<b>4,14</b>	4,50	0,15	4,25	870,0	5,45
822 800	<b>4,89</b>	5,25	0,15	5,00	1.090,0	6,45
822 801	<b>6,13</b>	6,50	0,15	6,25	1.370,0	8,09

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### Top panels -inside- (height 2.30 m)

Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]
822 065	1,89	2,25	0,11	2,00	530,0	4,35
822 155	2,60	2,96	0,11	2,71	660,0	5,98
822 180	3,04	3,40	0,11	3,15	740,0	6,99
822 680	3,64	4,00	0,11	3,75	845,0	8,37
822 780	3,89	4,25	0,11	4,00	975,0	8,95
822 785	4,14	4,50	0,15	4,25	1.409,0	9,50

### Ways of installation



#### Example:

Trench-end shoring module length = 3.40 m

-> Required extension bar combination for roller unit in linear shoring bay: 2140 mm

l	Length	l <sub>IpI</sub>	Inner panel length
l <sub>M</sub>	Module length	b <sub>c</sub>	Inner width
l <sub>c</sub>	Pipe culvert length	G	Weight
l <sub>ApI</sub>	Outer panel length		

The details of length of pipe opening l<sub>c</sub> refer to the rectangular roller unit.