

# Double slide rail for corner post



Corner rail shoring is a special shoring solution suitable among other things for work on manholes. It usually consists of four slide-rail panels and four corner rail beams. It does not require special bracing systems, and all forces are retained by the shoring panels. With suitable beams, corner rail shoring can take the form of single-rail or, for greater depths, overlapping shoring. Since the panels of various lengths are used in pairs, rectangular pits of different sizes can be constructed.

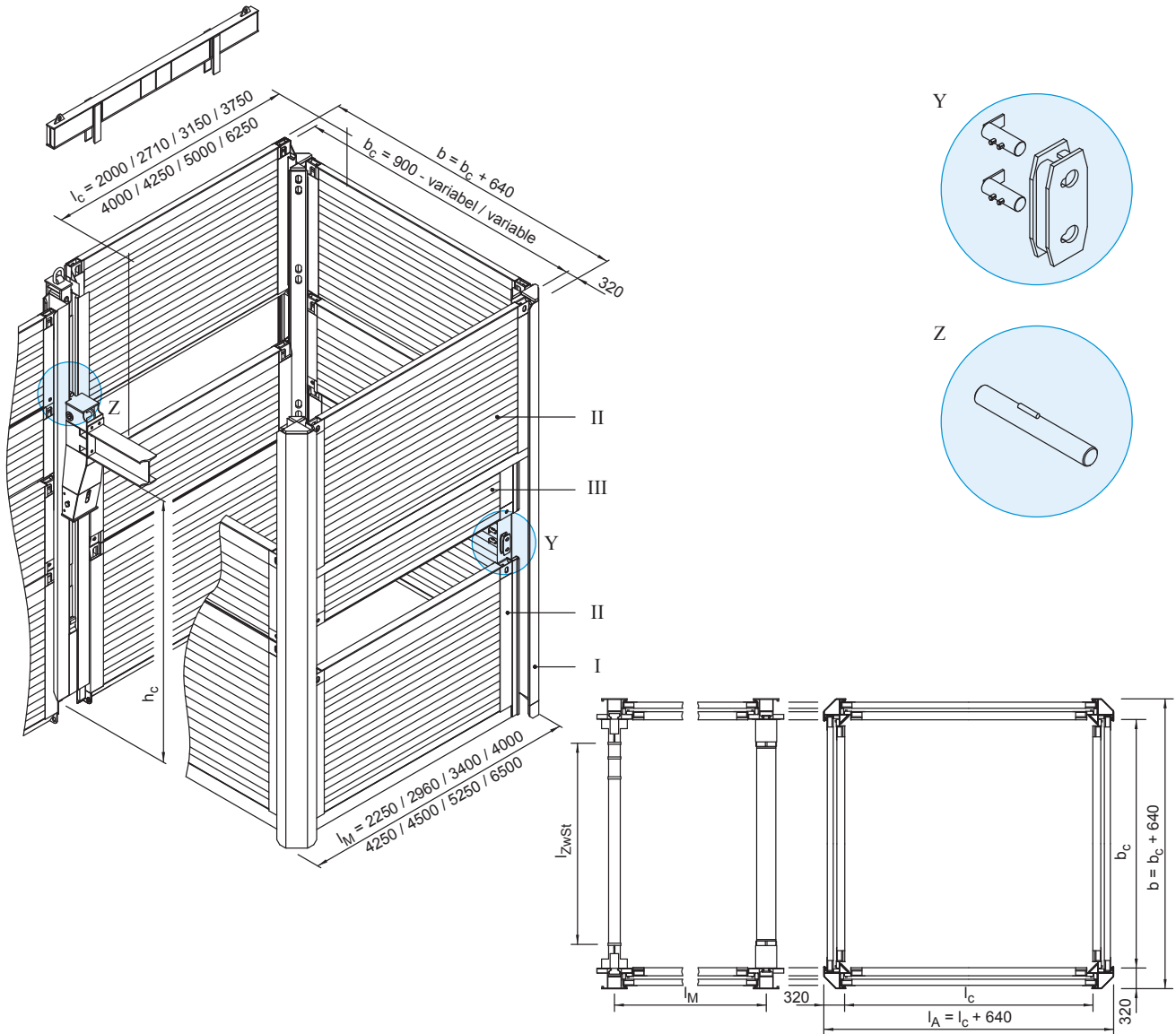
## Basic data

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, see page 23

## Advantages

- Economical shoring solution, e.g. for very deep shaft structures
- Right-angled excavations feasible in a wide range of sizes

Double slide rail for corner post



(All dimensions in mm)

I	Corner post	$l_c$	Pipe culvert length	$l_{zwSt}$	Length extension bar
II	Base panel	$b$	Shoring / trench width	Y	Connector
III	Top panel	$b_c$	Inner width	Z	Pin
$l_M$	Module length	$h_c$	Pipe culvert height		

Corner post

Art. No.	Short description	l [m]	G [kg]
835 100	Corner post	5,13	740,0
835 120	Corner post	6,13	900,0

Base panels -inside- (height 2.32 m)

Art. No.	l [m]	$l_M$ [m]	$t_{pl}$ [m]	$l_c$ [m]	G / VP [kg]	A [m <sup>2</sup> ]	eh [kN/m <sup>2</sup> ]
821 120	1,89	2,25	0,11	2,00	519,0	4,38	176,00
821 160	2,60	2,96	0,11	2,71	650,0	6,03	90,00

**Base panels -inside- (height 2.32 m) (contd.)**

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> ]	eh [kN/m <sup>2</sup> ]
821 250	3,04	3,40	0,11	3,15	733,0	7,05	65,50
821 610	3,64	4,00	0,11	3,75	845,0	8,44	45,20
821 850	3,89	4,25	0,11	4,00	968,0	9,02	39,40
821 855	4,14	4,50	0,15	4,25	1.300,0	9,58	81,00
821 860	4,89	5,25	0,15	5,00	1.505,0	11,34	58,10
821 861	6,13	6,50	0,15	6,25	1.880,0	14,22	36,60

**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> ]	eh [kN/m <sup>2</sup> ]
822 060	1,89	2,25	0,11	2,00	356,0	2,49	176,00
821 180	2,60	2,96	0,11	2,71	450,0	3,43	90,00
822 120	3,04	3,40	0,11	3,15	519,0	4,01	65,50
822 620	3,64	4,00	0,11	3,75	620,0	4,80	45,20
822 760	3,89	4,25	0,11	4,00	649,0	5,13	39,40
822 783	4,14	4,50	0,15	4,25	873,0	5,45	81,00
822 800	4,89	5,25	0,15	5,00	1.098,0	6,45	58,10
822 801	6,13	6,50	0,15	6,25	1.370,0	8,09	36,60

**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> ]	eh [kN/m <sup>2</sup> ]
822 065	1,89	2,25	0,11	2,00	532,0	4,35	176,00
822 155	2,60	2,96	0,11	2,71	660,0	5,98	90,00
822 180	3,04	3,40	0,11	3,15	742,0	6,99	65,50
822 680	3,64	4,00	0,11	3,75	852,0	8,37	45,20
822 780	3,89	4,25	0,11	4,00	980,0	8,95	39,40
822 785	4,14	4,50	0,15	4,25	1.409,0	9,50	81,00

**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> ]	eh [kN/m <sup>2</sup> ]
821 150	2,00	2,25	0,11	2,00	541,0	4,64	149,00
821 170	2,71	2,96	0,11	2,71	672,0	6,29	80,00
821 310	3,15	3,40	0,11	3,15	755,0	7,31	59,00
821 770	3,75	4,00	0,11	3,75	865,0	8,70	41,40
821 910	4,00	4,25	0,11	4,00	911,0	9,28	36,60
821 913	4,25	4,50	0,15	4,25	1.313,0	9,86	75,00
821 912	5,00	5,25	0,15	5,00	1.545,0	11,60	54,50
821 916	6,25	6,50	0,15	6,25	1.910,0	14,50	34,70

**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> ]	eh [kN/m <sup>2</sup> ]
822 075	2,00	2,25	0,11	2,00	368,0	2,64	149,00
821 190	2,71	2,96	0,11	2,71	453,0	3,58	80,00
822 310	3,15	3,40	0,11	3,15	511,0	4,16	59,00
822 710	3,75	4,00	0,11	3,75	611,0	4,95	41,40
822 810	4,00	4,25	0,11	4,00	647,0	5,28	36,30
822 813	4,25	4,50	0,15	4,25	900,0	5,61	75,00

**Top panel -outside- (Height 1,32 m) (contd.)**

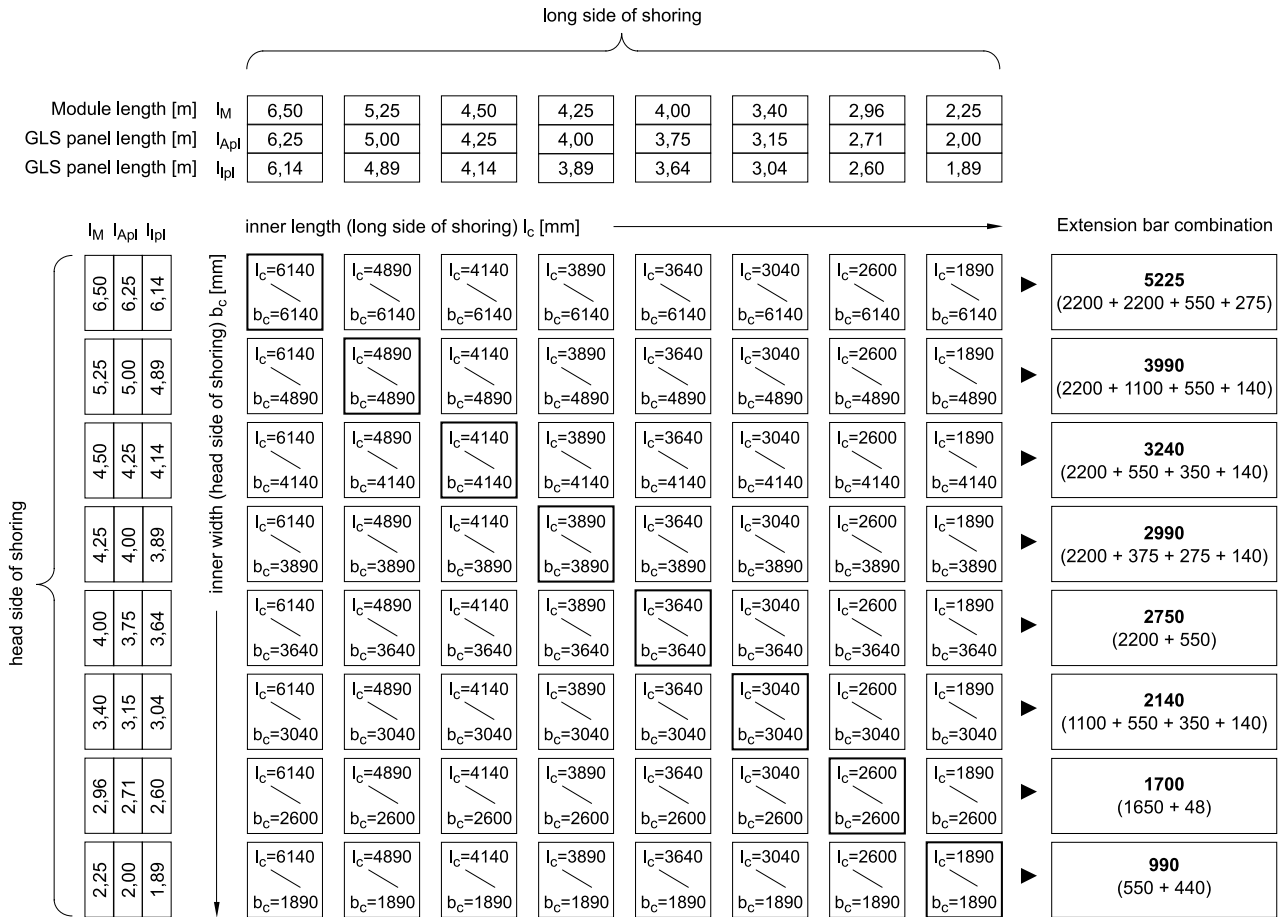
Art. No.	l [m]	l <sub>M</sub> [m]	t <sub>pl</sub> [m]	l <sub>c</sub> [m]	G / VP [kg]	A [m <sup>2</sup> ]	eh [kN/m <sup>2</sup> ]
822 815	5,00	5,25	0,15	5,00	1.137,0	6,60	54,50
822 830	6,25	6,50	0,15	6,25	1.400,0	8,25	34,70

**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> ]	eh [kN/m <sup>2</sup> ]
822 820	5,00	5,25	0,15	5,00	1.700,0	11,50	54,50

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

**Ways of installation**



**Example:**

Module length for end shoring module l<sub>M</sub> = 3.40 m

Required extension bar combination for the boogie car in the Linear shoring bay: 2140 mm

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