

Single slide rail for corner post



Corner rail shoring is a special shoring solution, suitable among other things for work on manholes. When used as manhole shoring, 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 overlapping shoring. Since the panels of various lengths are used in pairs, rectangular pits of different sizes can be constructed.

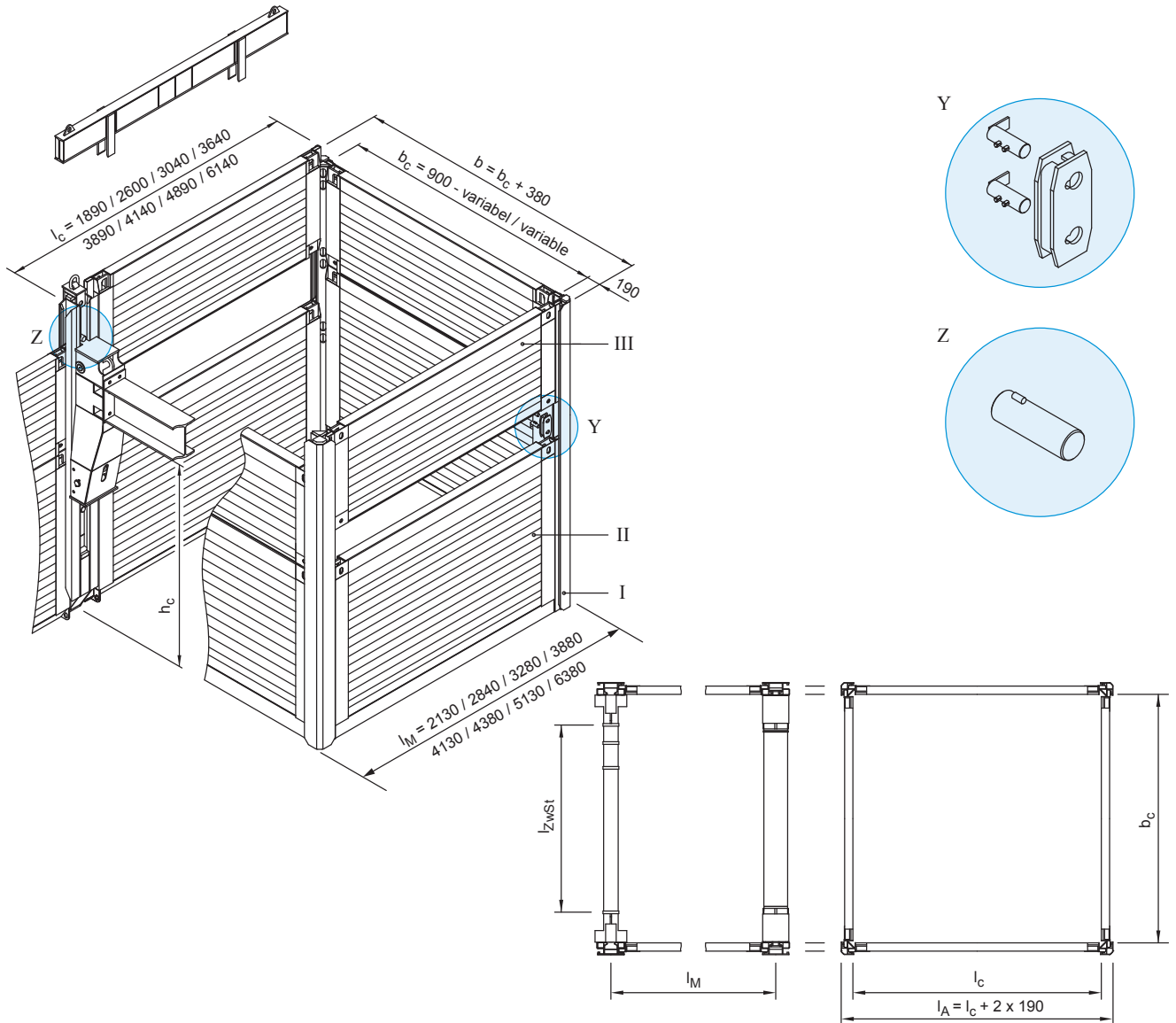
Basic data

Module length	2,13 m - 6,38 m
Length slide rail	4,13 m
Panel height	1,32 m / 2,32 m
Shoring width	1,75 m - 6,00 m, see page 14

Advantages

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

Single slide rail system 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]
835 129	Corner post - single slide rail	2,30	170,0
835 130	Corner post - single slide rail	4,13	320,0

Base panels -inside- (height 2.32 m), Single slide rail and double slide rail linear shoring

Art. No.	l [m]	l _M [m]	t _{pl} [m]	l _c [m]	G / VP [kg]	A [m ²]	eh [kN/m ²]
821 120	1,89	2,13	0,11	1,89	519,0	4,38	176,00
821 160	2,60	2,84	0,11	2,60	650,0	6,03	90,00
821 250	3,04	3,28	0,11	3,04	733,0	7,05	65,50
821 610	3,64	3,88	0,11	3,64	845,0	8,44	45,20
821 850	3,89	4,13	0,11	3,89	968,0	9,02	39,40
821 855	4,14	4,38	0,15	4,14	1.300,0	9,58	81,00
821 860	4,89	5,13	0,15	4,89	1.505,0	11,34	58,10
821 861	6,13	6,38	0,15	6,13	1.880,0	14,22	36,60

Top panels -inside- (height 1.32 m), Single slide rail and double slide rail linear shoring

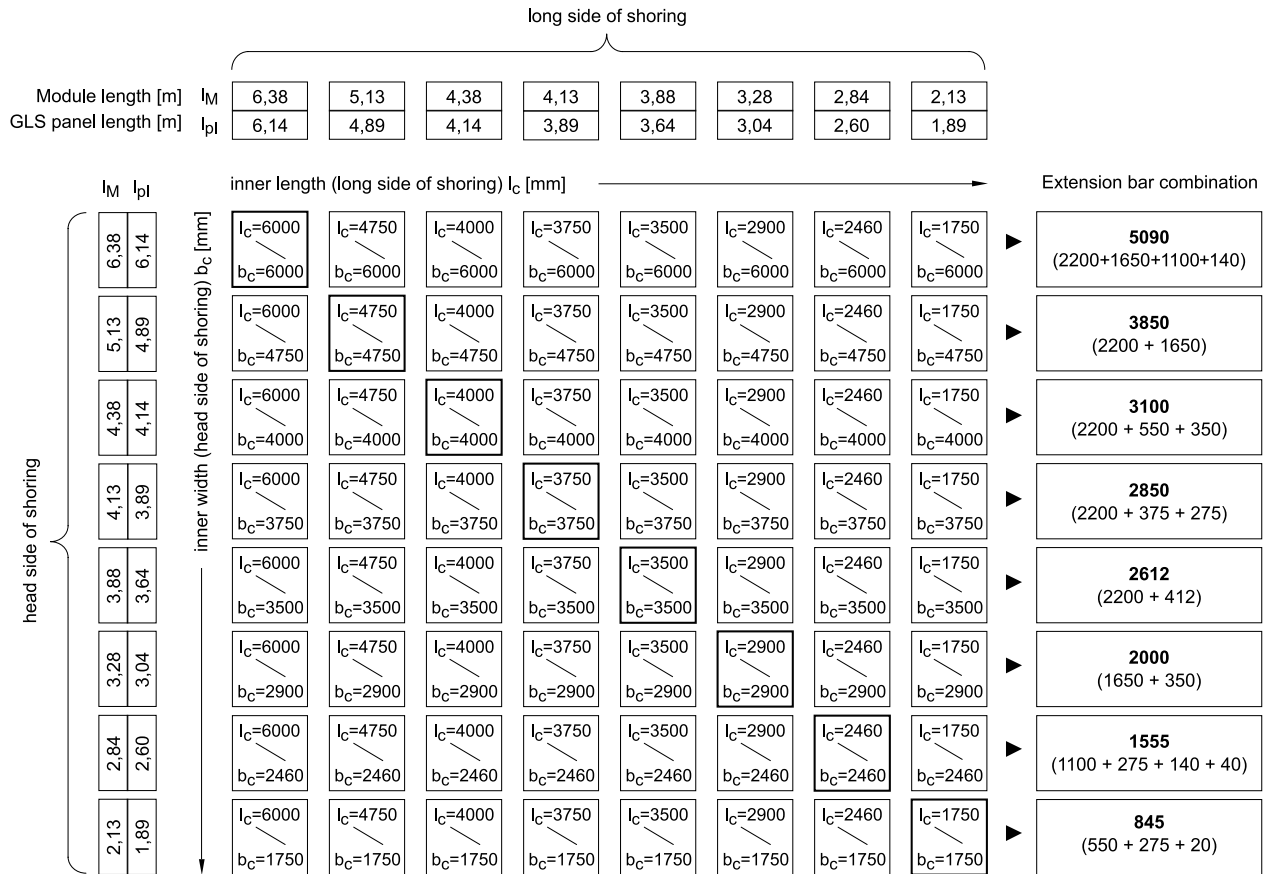
Art. No.	l [m]	l _M [m]	t _{pl} [m]	l _c [m]	G / VP [kg]	A [m ²]	eh [kN/m ²]
822 060	1,89	2,13	0,11	1,89	356,0	2,49	176,00
821 180	2,60	2,84	0,11	2,60	450,0	3,43	90,00
822 120	3,04	3,28	0,11	3,04	519,0	4,01	65,50
822 620	3,64	3,88	0,11	3,64	620,0	4,80	45,20
822 760	3,89	4,13	0,11	3,89	649,0	5,13	39,40
822 783	4,14	4,38	0,15	4,14	873,0	5,45	81,00
822 800	4,89	5,13	0,15	4,89	1.098,0	6,45	58,10
822 801	6,13	6,38	0,15	6,13	1.370,0	8,09	36,60

Top panels -inside- (height 2.30 m), Single slide rail and double slide rail linear shoring

Art. No.	l [m]	l _M [m]	t _{pl} [m]	l _c [m]	G / VP [kg]	A [m ²]	eh [kN/m ²]
822 065	1,89	2,13	0,11	1,89	532,0	4,35	176,00
822 155	2,60	2,84	0,11	2,60	660,0	5,98	90,00
822 180	3,04	3,28	0,11	3,04	742,0	6,99	65,50
822 680	3,64	3,88	0,11	3,64	852,0	8,37	45,20
822 780	3,89	4,13	0,11	3,89	980,0	8,95	39,40
822 785	4,14	4,38	0,15	4,14	1.409,0	9,50	81,00

The details of length of pipe opening l_c refer to the rectangular boogie car.

Ways of installation



Example:

Module length for end shoring module $l_M = 3.28$ m

Required extension bar combination for the boogie car in the Linear shoring bay: 2000 mm

l	Length	l_c	Pipe culvert length	b_c	Inner width
l_M	Module length	l_{pl}	Panel length		