

Deep Linear shoring



Deep linear shoring, on which two shoring units are connected together, combines the advantages of the linear shoring system to form a high-performance functional principle. In the first step, one linear shoring module – consisting of linear shoring beams, panels and boogie cars – is installed. Then a second module is inserted in the already occupied trench and adapted as an inner module in a close fit inside the outer module. Using this method, the inner shoring components take up the soil pressure as they pass through the outer module. If lowered further, the loads are taken up again by the first module. In their installed state, the two shoring modules, the components of which are of the same length, complement each other in taking up the soil pressure totally independently.

Deep linear shoring was specially developed for applications at special depths, e.g. for the construction of sewers, manholes, or launch pits. By combining two linear shoring beams, and depending on the nature of the ground, depths of well over 10 m can be achieved, while the technical advantages of the linear shoring system are fully exploited.

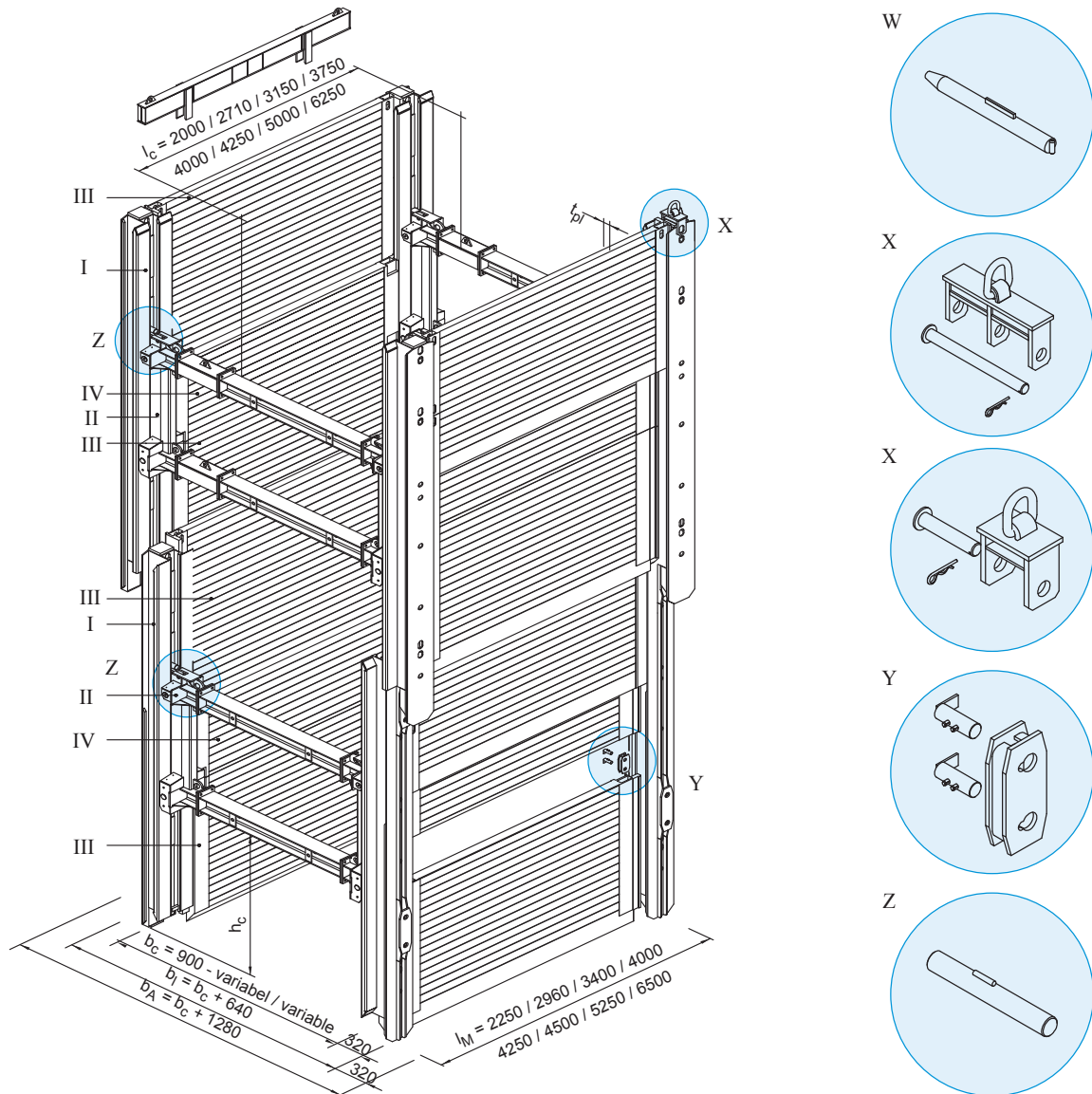
Basic data

Module length	2,25 m - 6,50 m
Length slide rail	variable
Panel height	1,32 m / 2,32 m
Pipe culvert height	variable
Trench width	variable, see page 32-33

Advantages

- Depths far in excess of 10 meters possible
- Between 7 and 10 meters' depth viable, even in "sticky" soils

Deep Linear shoring



(All dimensions in mm)

I	Linear shoring support	l_c	Pipe culvert length	t_{pl}	Thickness
II	Linear shoring boogie car	b_A	Shoring / trench width (outer rail)	W	Pin
III	Base panel	b_I	Shoring / trench width (inner rail)	X	Pull adapter
IV	Top panel	b_c	Inner width	Y	Connector
l_M	Module length	h_c	Pipe culvert height	Z	Pin

Slide rails, Panels and Accessories; see page 29