

Single slide rail inner-city shoring



In urban areas, trench sections crossed by numerous pipes and cables are commonplace. Using large-area shoring systems is then out of the question. The solution is inner-city linear shoring that combines the piling frame element for guiding sheet piles with the components of the linear shoring system.

By using piling frame elements, linear shoring with single or double slide-rails provides a solution even in those areas where gas or water mains or other service pipes cross the trench. The shoring modules and the piles themselves are lowered largely low-vibration – an important precondition for digging work in towns which usually involves traffic routes and building structures close to the trench.

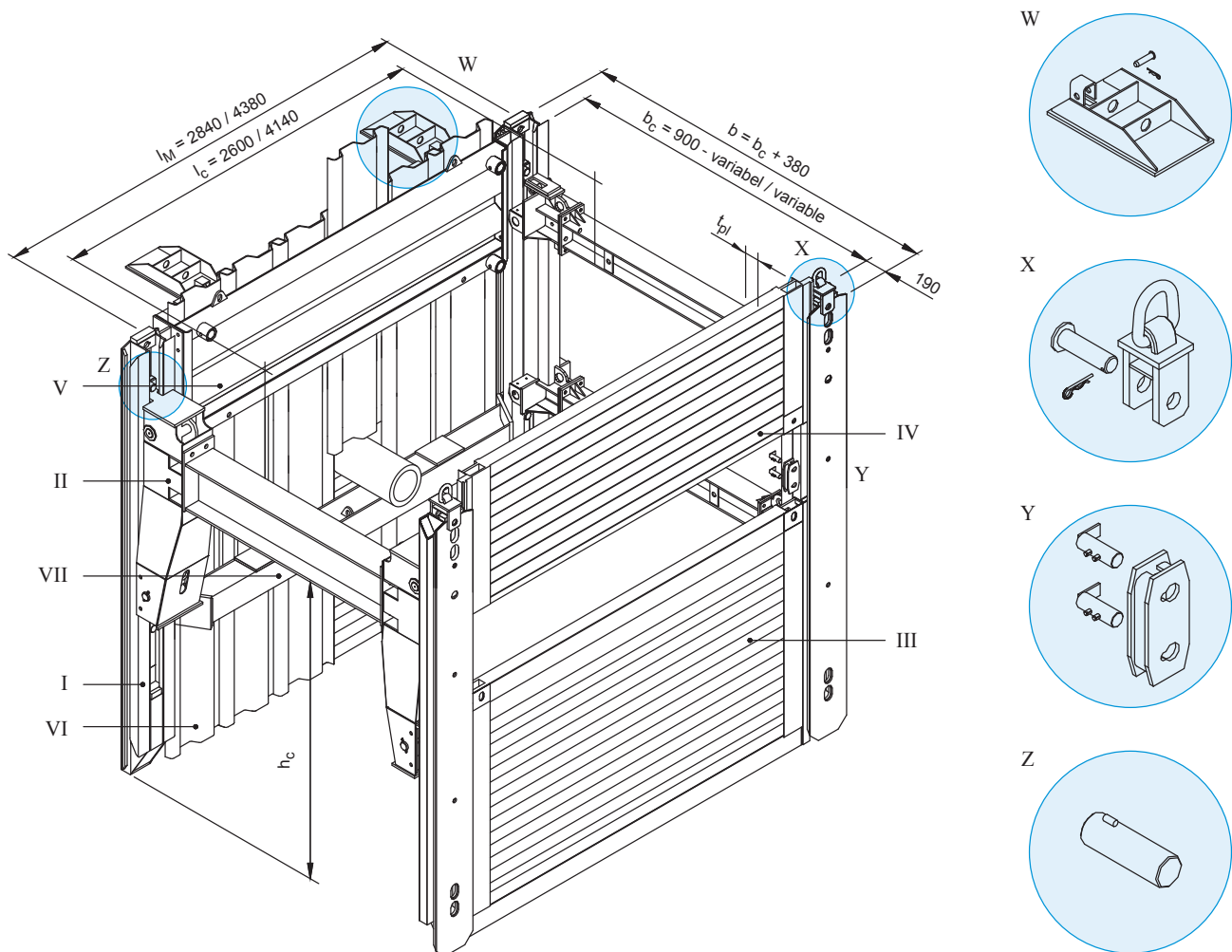
Basic data

Module length	2,84 m / 4,38 m
Length slide rail	4,13 m
Height sheet pile element	1,00 m
Length sheet piles (KD VI/8)	variable
Trench width	variable, see page 32-33

Advantages

- Cost-effective shoring wherever transverse electrical lines and house connections exist
- No vibrational or impact forces

Single slide rail inner-city shoring with U-type or rectangular boogie car



(All dimensions in mm. The details of length of pipe opening l_c refer to the rectangular boogie car.)

I	Linear shoring support	VII	Waling	t_{pl}	Thickness
II	Boogie car	l_M	Module length	W	Bearing claw
III	Base panel	l_c	Pipe culvert length	X	Pull adapter
IV	Top panel	b	Shoring / trench width	Y	Connector
V	Sheet pile element DKU	b_c	Inner width	Z	Pin
VI	Sheet pile	h_c	Pipe culvert height		

Slide rails, Panels and Accessories; see page 29