Double slide rail inner-city shoring

In urban areas, trench sections crossed by numerous pipes and cables are commonplace. The use of large-area shoring systems is therefore out of the question. The solution for excavation projects at greater depth is overlapping inner-city linear shoring that works on the much same principle as overlapping linear shoring. Overlapping short piles are guided in overlapping piling frame elements. The result is two overlapping walls of sheet piling that can be raised independently of one another.

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 with very little vibration – an important precondition for civil engineering work in urban areas.

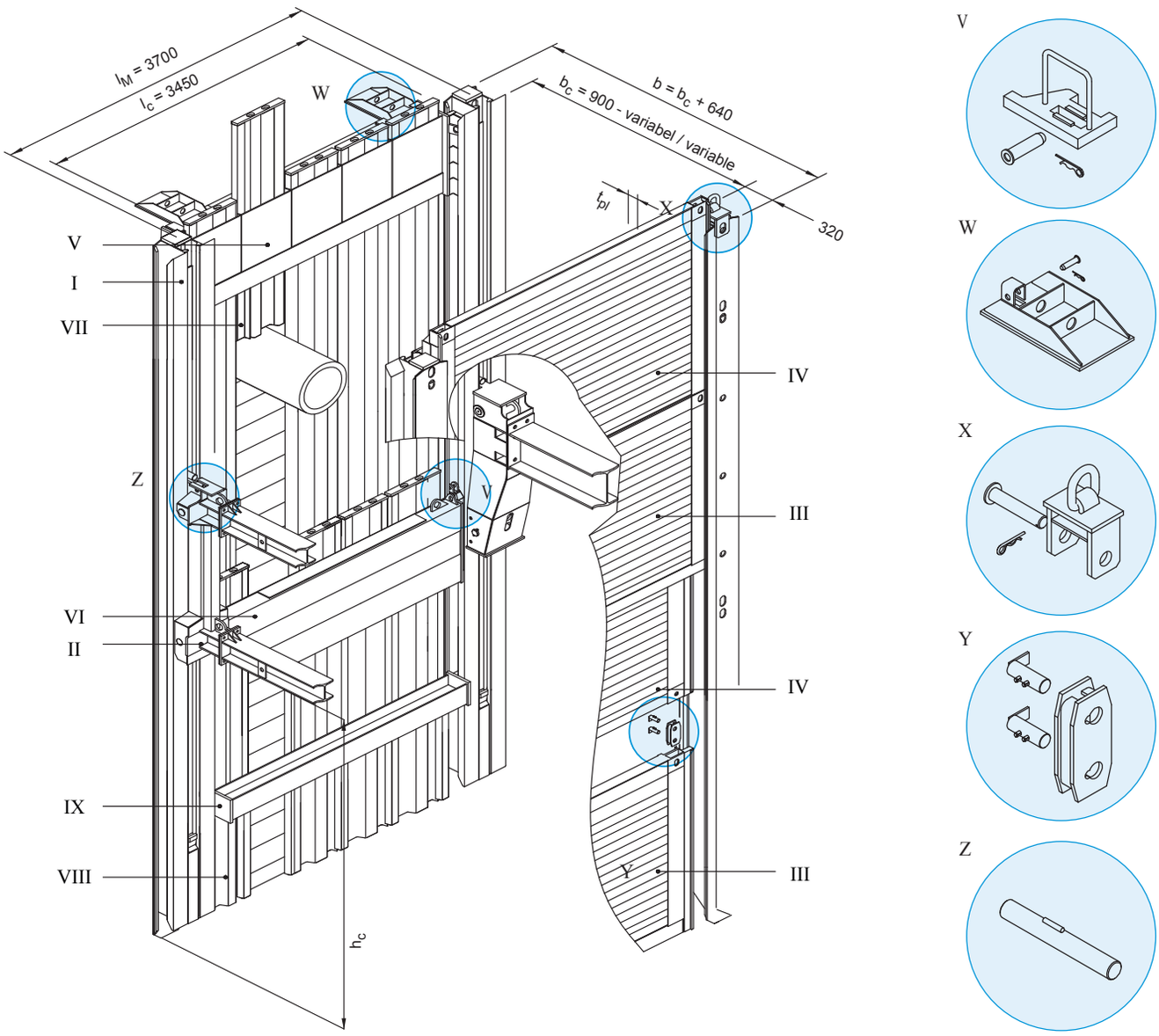
Basic data

Module length	3,70 m
Length slide rail	5,13 m - 9,13 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

Double 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	VIII	Sheet piles (inside belt)	h_c	Pipe culvert height
II	Boogie car	IX	Waling (outside belt)	t_{pl}	Thickness
III	Base panel	X	Waling (inside belt)	V	Bracing of inside belt
IV	Top panel	l_M	Module length	W	Bearing claw
V	Sheet pile element (outside belt)	l_c	Pipe culvert length	X	Pull adapter
VI	Sheet pile element (inside belt)	b	Shoring / trench width	Y	Connector
VII	Sheet piles (outside belt)	b_c	Inner width	Z	Pin

Slide rails, Panels and Accessories; see page 29