Single slide-rail inner-city parallel shoring

During urban trenching operations, pipes and cables crossing the trench are commonplace, which rules out the use of large-area shoring systems. A cost-effective and versatile solution in such cases is inner-city parallel shoring that combines the beams and boogie cars of parallel shoring with DKU universal piling frame elements for guiding sheet piles.

Shoring module installation and pile insertion are performed largely without causing vibration – an important aspect of excavation work in inner-city locations where roads and buildings are often in the immediate proximity of the trench.

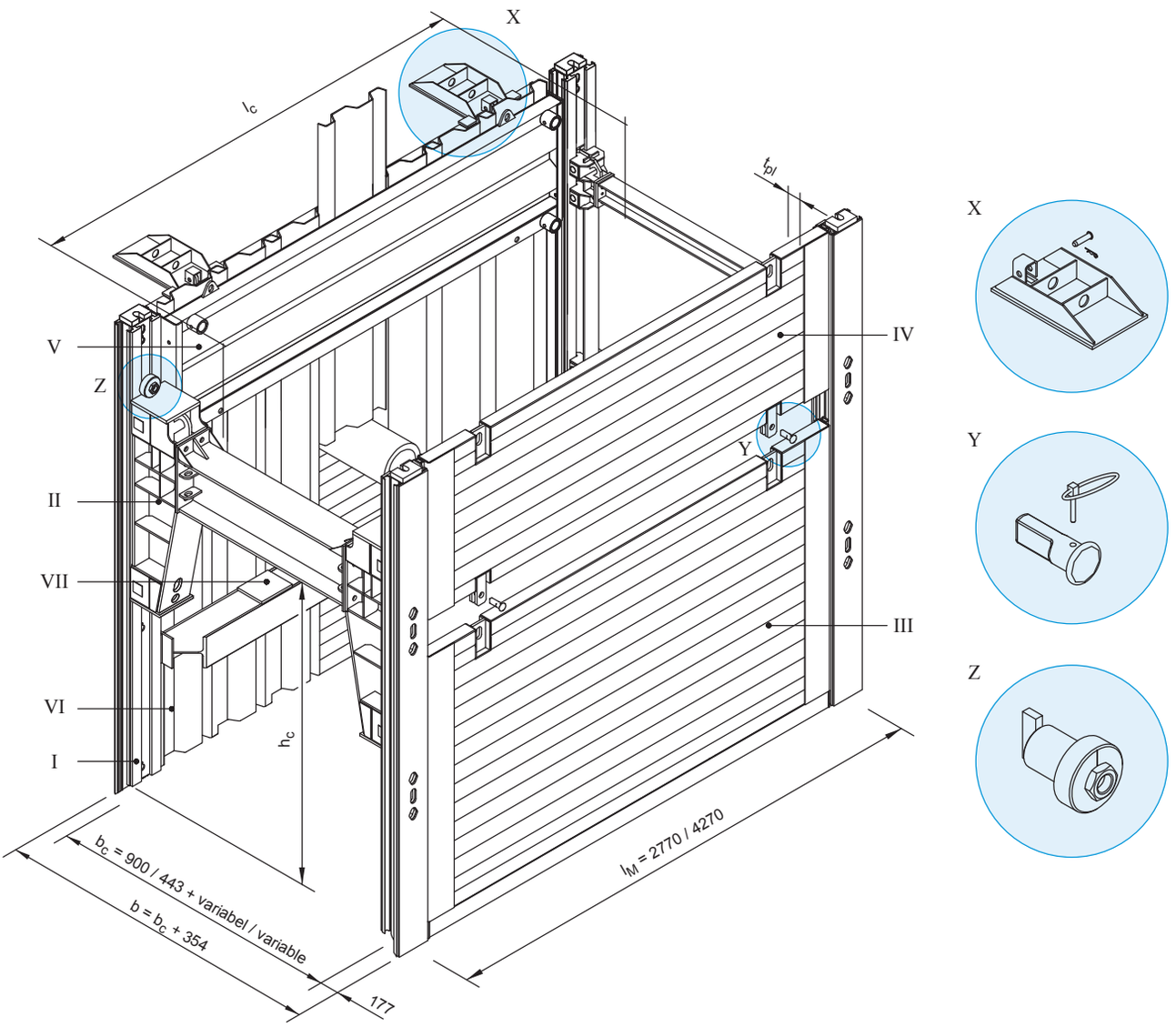
Basic data

Module length	2,77 m / 4,27 m
Length slide rail	4,00 m
Height sheet pile element	1,00 m
Length sheet piles (KD VI/8)	variable
Trench width	variable, see page 50

Advantages

- Cost-effective, flexible solution for urban centers where numerous transverse electrical lines and house connections can be expected
- Low-vibration installation

Single slide-rail inner-city parallel 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	Y	Pin
IV	Top panel	b	Shoring / trench width	Z	Bolt for boogie car
V	Sheet pile element DKU	b_c	Inner width		
VI	Sheet pile	h_c	Pipe culvert height		

Slide rails, Panels and Accessories; see page 47