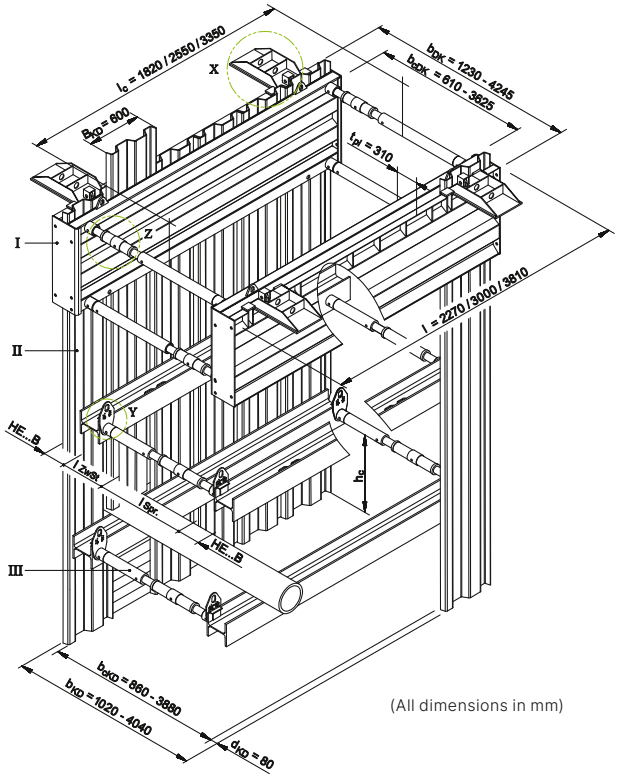
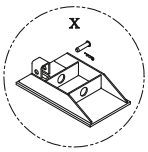
KRINGS piling frame element DKU 2.27 m / 3.00 m / 3.81 m

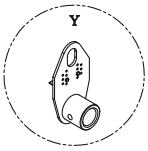
General data

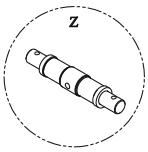
Shoring length	2.27 m / 3.00 m / 3.81 m
Piling frame element height	1.00 m
Pipe culvert length	1.82 m / 2.55 m / 3.35 m
Shoring depth	variable
Box weight	1,335 kg–1,885 kg
Shoring width	variable
Rec.: mobile or crawler excavator	12–18 t



(All dimensions in mm)

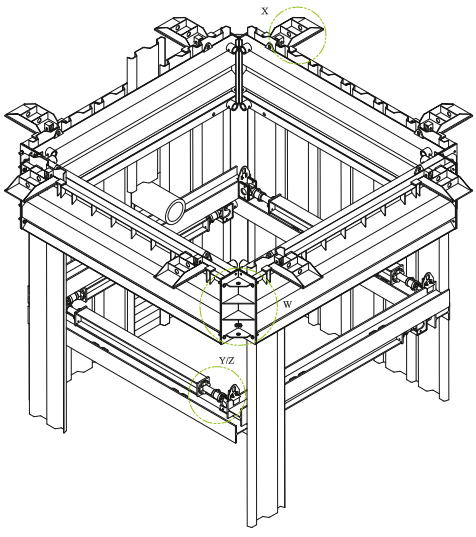


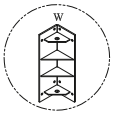


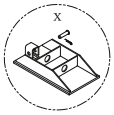


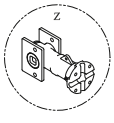
I	Piling frame element DKU
II	Sheet pile
III	Waler strut
B_{KD}	Sheet pile width
d_{KD}	Sheet pile thickness
t_{pl}	Panel thickness
l	Length
l_c	Pipe culvert length
h_c	Pipe culvert height
b_{cKD}	Sheet pile clear width
b_{KD}	Sheet pile shoring width
b_{cDK}	Piling frame clear width
b_{DK}	Piling frame shoring width
X	Support bracket
Y	Suspended bearing block
Z	Spindle 98 × ...

Example for additional technical solutions: Piling frame shoring with corner shoring adapter









All KRINGS DKUs can be flexibly combined with each other using corner shoring adapters.
Examples:
DKU corner shoring 2.27 m × 3.81 m or
DKU corner shoring 3.00 m × 4.55 m.

W	Corner adapter
X	Support bracket
Y	Suspended bearing block
Z	Strut with bearing plate

Piling frame element DKU (height 1.00 m)

Art. no.	Short description	l [m]	lc [m]	G / DKP [kg]	G / Box [kg]	KD / Box
842 671	Piling frame element DKU	2.27	1.82	510.0	1,335.0*	8
842 687	Piling frame element DKU	3.00	2.55	640.0	1,595.0*	10
842 674	Piling frame element DKU	3.81	3.35	785.0	1,885.0*	14

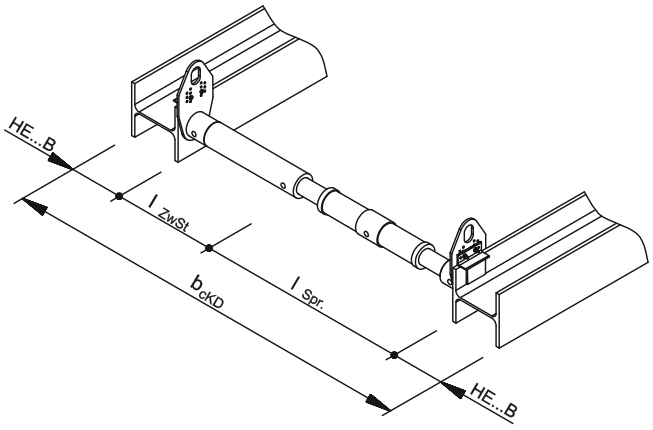
* With spindle 98 × 700

Shoring widths

		Spindle SP SB 98 × 550		Spindle SP SB 98 × 700	
Art. no. extension bar	l [m]	b_{cKD} [m]	b_{cDK} [m]	b_{cKD} [m]	b_{cDK} [m]
	0.00	0.86–1.06	0.61–0.81	1.04–1.38	0.79–1.13
139 430	0.30	1.16–1.36	0.91–1.11	1.34–1.68	1.09–1.43
139 445	0.50	1.36–1.56	1.11–1.31	1.54–1.88	1.29–1.63
139 385	1.00	1.86–2.06	1.61–1.81	2.04–2.38	1.79–2.13
139 400	1.50	2.36–2.56	2.11–2.31	2.54–2.88	2.29–2.63
139 420	2.00	2.86–3.06	2.61–2.81	3.04–3.38	2.79–3.13
139 425	2.50	3.36–3.56	3.11–3.31	3.54–3.88	3.29–3.63
		$b_{KD} = b_{cKD} + 0.16$ m	$b_{DK} = b_{cDK} + 0.62$ m	$b_{KD} = b_{cKD} + 0.16$ m	$b_{DK} = b_{cDK} + 0.62$ m

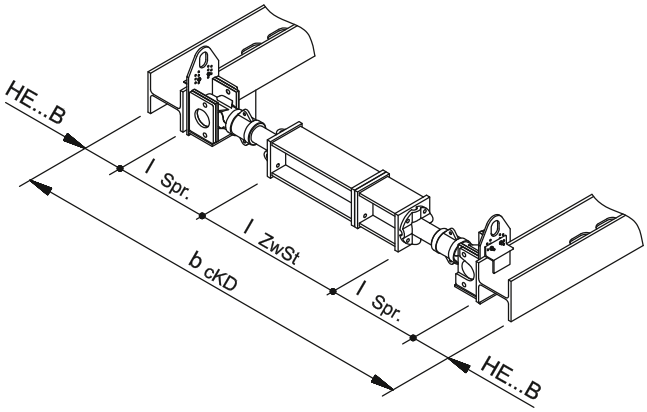
Waler struts

KRINGS Waler strut



$l_{Spr.}$ (SP SB 98 × 550) = 0.62 m – 0.82 m
$l_{Spr.}$ (SP SB 98 × 700) = 0.80 m – 1.14 m
$l_{ZwSt.} = b_{cKD} - 2 \times$ HE...B – $l_{Spr.}$

E+S Waler strut



$l_{Spr.}$ = 0.42 m – 0.64 m
$l_{ZwSt.} = b_{cKD} - 2 \times$ HE...B – $2 \times l_{Spr.}$

Different trench widths possible by combination of different extension bar lengths.
For available extension bars, refer to accessories. (see p. 41–43)

l	Length	$l_{ZwSt.}$	Extension bar length	KD / Box	Sheet piles / shoring box	b_{cDK}	Piling frame clear width
l_c	Pipe culvert length	G / DKP	Weight / piling frame plate	b_{cKD}	Sheet pile clear width	b_{DK}	Piling frame shoring width
$l_{Spr.}$	Strut length	G / Box	Weight / shoring box	b_{KD}	Sheet pile shoring width		

Accessories and spare parts, see p. 41–43