

# SHORING BOX KS 100



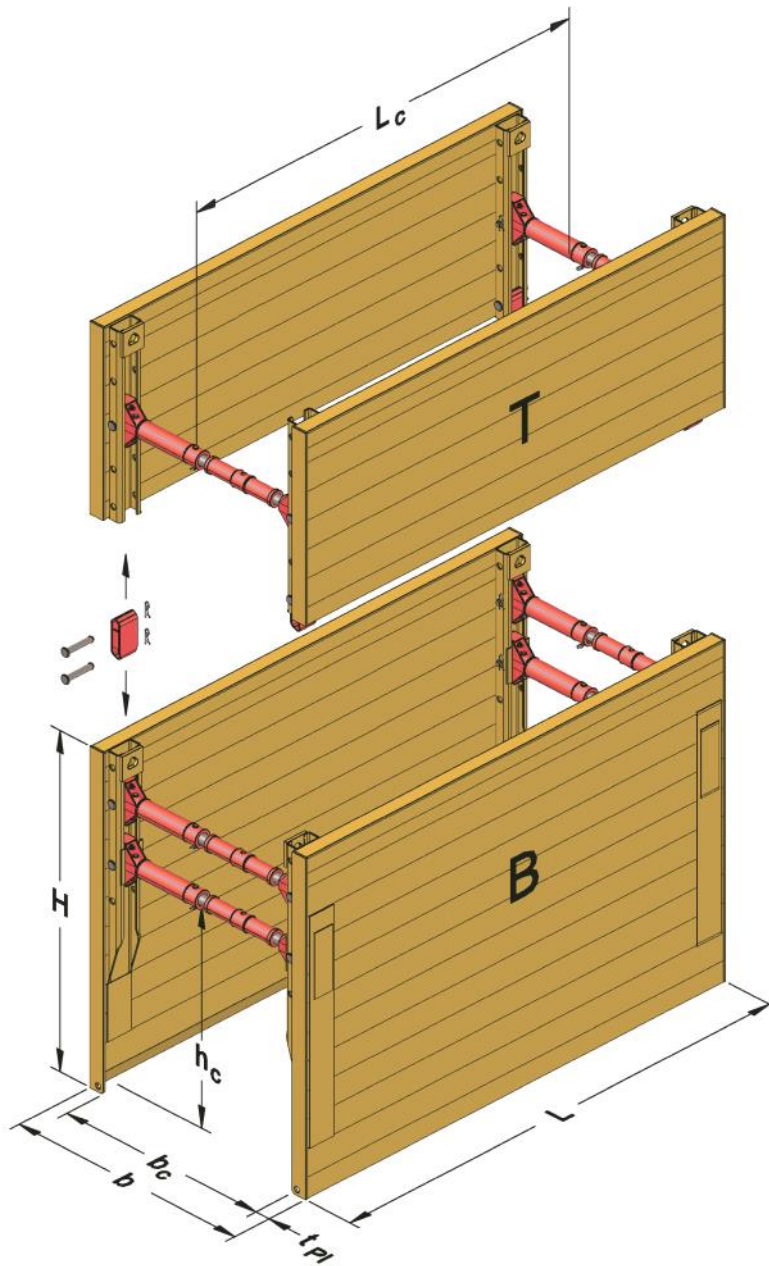
Unit length	2.00 m - 5.00 m
Base box height	2.40 – 2.90 m
Top box height	1.30 m
Pipe culvert height	Max. 1.55 - 1.85 m
Weight	1456 kg - 2780 kg
Advised depth of work	Up to 5.00 m
Lifting device	Excavator ≈ 15 - 20 tons

This steel box remains incontestably the most used trench shield through the world.

Its robustness and its handiness enable him to find an application in most trenches.

Its new design offers a pipe culvert height under spindles of 1.55m, and even 1.85m for boxes in 2.90m top (consult us).

# SHORING BOX KS 100



Conformité  
DIN 4124  
DIN EN 13331

H	Plate height
L	Plate length
H <sub>c</sub>	Pipe culvert height
L <sub>c</sub>	Pipe culvert length
b <sub>c</sub>	Working width
b	Shoring width
t <sub>pl</sub>	Plate thickness



# SHORING BOX KS 100

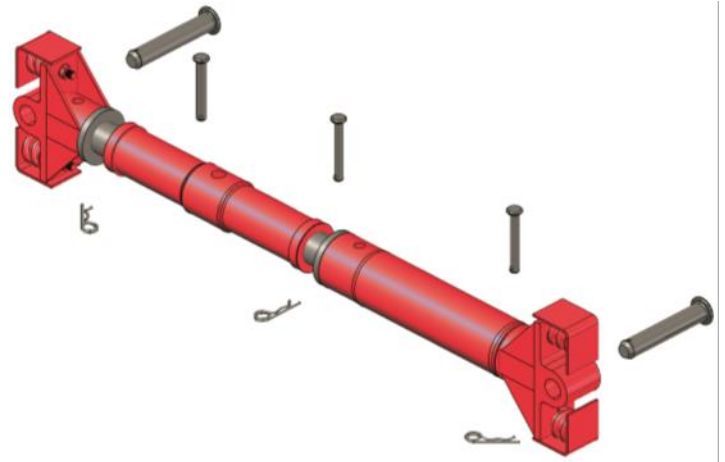
Base plate LxH	Weight box	Pipe culvert height H <sub>c</sub>	Pipe culvert length L <sub>c</sub>	Thickness plate t <sub>p</sub>	State design load limit ed
[mm]	[kg]	[mm]	[mm]	[mm]	[kN/m <sup>2</sup> ]
KS 2000x2400	1460	1535	1614	100	97.5
KS 2500x2400	1650	1535	2114	100	78.0
KS 3000x2400	1850	1535	2614	100	65.0
KS 3500x2400	2050	1535	3114	100	55.7
KS 3750x2400	2150	1535	3364	100	51.3
KS 3750x2900	2630	1875	3364	100	45.0
KS 4000x2400	2240	1535	3614	100	44.6
KS 4500x2400	2570	1535	4114	120	42.9
KS 5000x2400	2780	1535	4614	120	34.3
<b>Extension plate</b>					
KSA 2000x1300	840	-	1614	100	97.5
KSA 2500x1300	970	-	2114	100	78.0
KSA 3000x1300	1090	-	2614	100	65.0
KSA 3500x1300	1210	-	3114	100	55.7
KSA 3750x1300	1270	-	3364	100	51.3
KSA 4000x1300	1340	-	3614	100	44.6
KSA 4500x1300	1690	-	4114	120	42.9
KSA 5000x1300	1830	-	4614	120	34.3

Any other dimension, consult us.

#### Tensile forces:

- lifting eyes at the plate head Rd = 229 kN
- bottom eyes Rd = 47 kN

Brace extension	Working width b <sub>c</sub>	Shoring width b	Weight
[mm]	[m]	[m]	[kg]
0	0.99-1.29	1.20-1.50	71.0
300	1.29-1.59	1.50-1.80	+ 15.5
500	1.49-1.79	1.70-2.00	+ 20.0
800	1.79-2.09	2.00-2.50	+ 26.7
1000	1.99-2.29	2.20-3.00	+ 31.1





## SHORING BOX KS 100 HD

Base plate LxH	Weight box	Pipe culvert height H <sub>c</sub>	Pipe culvert length L <sub>c</sub>	Thickness plate t <sub>p</sub>	State design load limit ed
[mm]	[kg]	[mm]	[mm]	[mm]	[kN/m <sup>2</sup> ]
KS 3000x2920	2260	1870	2614	100	56.2
KS 3500x2920	2510	1870	3114	100	48.2
KS 3750x2920	2630	1870	3364	100	45.0
KS 4000x2400	2750	1870	3614	100	42.2
<b>Extension plate</b>					
KSA 3000x1300	1090	-	2614	100	56.2
KSA 3500x1300	1210	-	3114	100	48.2
KSA 3750x1300	1270	-	3364	100	45.0
KSA 4000x1300	1330	-	3614	100	42.2

Any other dimension, consult us.

**Tensile forces:**

- lifting eyes at the plate head Rd = 229 kN
- bottom eyes Rd = 47 kN

Brace extension	Working width b <sub>c</sub>	Shoring width b	Weight
[mm]	[m]	[m]	[kg]
0	0.99-1.33	1.11-1.45	71.0
300	1.29-1.63	1.14-1.75	+ 15.5
500	1.49-1.83	1.61-1.95	+ 20.0
800	1.79-2.13	1.91-2.25	+ 26.7
1000	1.99-2.33	2.11-2.45	+ 31.1

