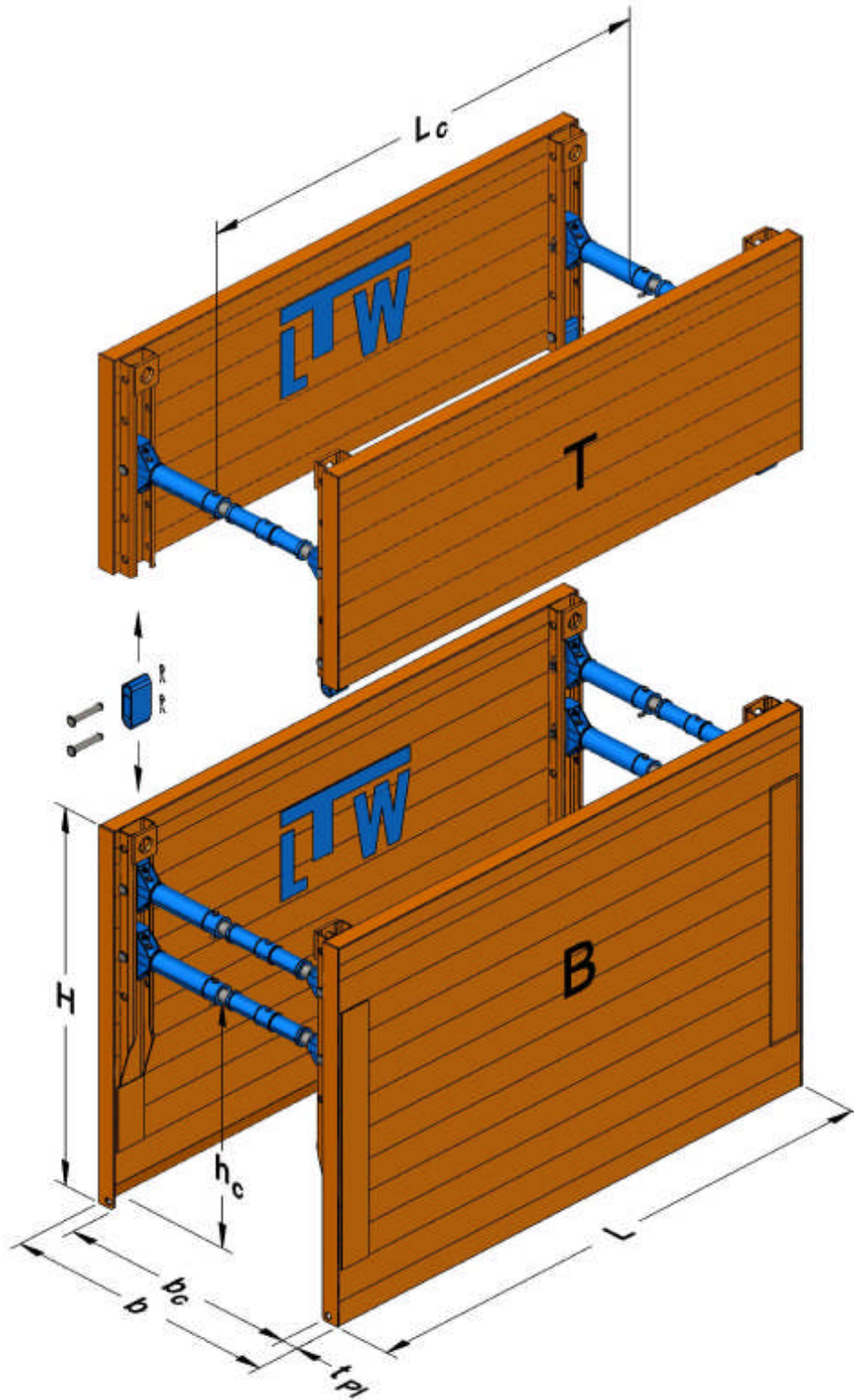


TECHNICAL CHARACTERISTICS

LTW SHORING BOXES VB 100 & VB 120



SYSTEM VIEW



B Base Box
T Top Box
H Plate Height

b Shoring Width
b_c Inner Working Width
t_{Pl} Plate Thickness

h_c Pipe Culvert Height
L Plate Length
L_c Pipe Culvert Length

TECHNICAL CHARACTERISTICS

LTW SHORING BOXES VB 100 & VB 120



BASE BOXES

Plate length L [m]	Plate height H [m]	Plate thickness t_{PI} [mm]	Pipe culvert length L_c [m]	Pipe culvert height h_c [m]	Limit state design load e_d [kN / m ²]	Plate weight G_{PL} [kg]	Box weight G_E [kg]
2,00	2,36	100	1,61	1,54	97,5	575	1430
	2,56			1,52		615	1520
2,50	2,36	100	2,11	1,54	78,0	670	1630
	2,56			1,52		720	1730
3,00	2,36	100	2,61	1,54	65,0	770	1830
	2,56			1,52		825	1940
3,50	2,36	100	3,11	1,54	55,7	865	2020
	2,56			1,52		930	2150
3,75	2,36	100	3,36	1,54	51,3	915	2120
	2,56			1,52		985	2250
4,00	2,36	100	3,61	1,54	44,6	965	2220
	2,56			1,52		1035	2360
4,50	2,36	120	4,11	1,54	42,9	1320	2930
	2,56			1,52		1420	3130
5,00	2,36	120	4,61	1,54	34,3	1445	3180
	2,56			1,52		1560	3410

TOP BOXES

Plate length L [m]	Plate height H [m]	Plate thickness t_{PI} [mm]	Pipe culvert length L_c [m]	Pipe culvert height h_c [m]	Limit state design load e_d [kN / m ²]	Plate weight G_{PL} [kg]	Box weight G_E [kg]
2,00	1,33	100	1,61		97,5	350	840
	1,57					400	940
2,50	1,33	100	2,11		78,0	410	960
	1,57					470	1080
3,00	1,33	100	2,61		65,0	470	1090
	1,57					540	1220
3,50	1,33	100	3,11		55,7	535	1210
	1,57					610	1360
3,75	1,33	100	3,36		51,3	565	1270
	1,57					645	1430
4,00	1,33	100	3,61		44,6	595	1330
	1,57					680	1500
4,50	1,33	120	4,11		42,9	810	1760
	1,57					925	1995
5,00	1,33	120	4,61		34,3	890	1920
	1,57					1015	2170

TECHNICAL CHARACTERISTICS

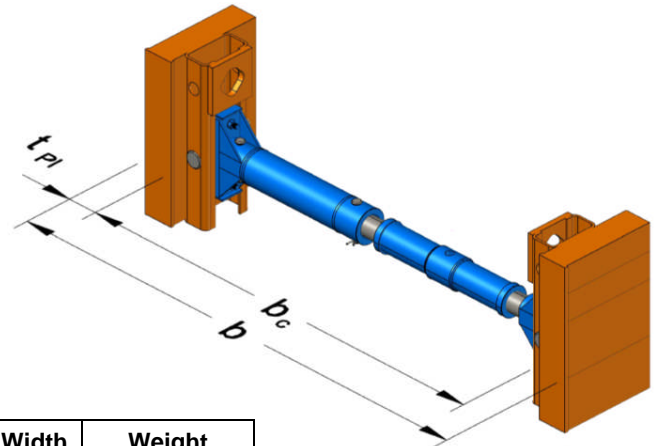
LTW SHORING BOXES VB 100 & VB 120



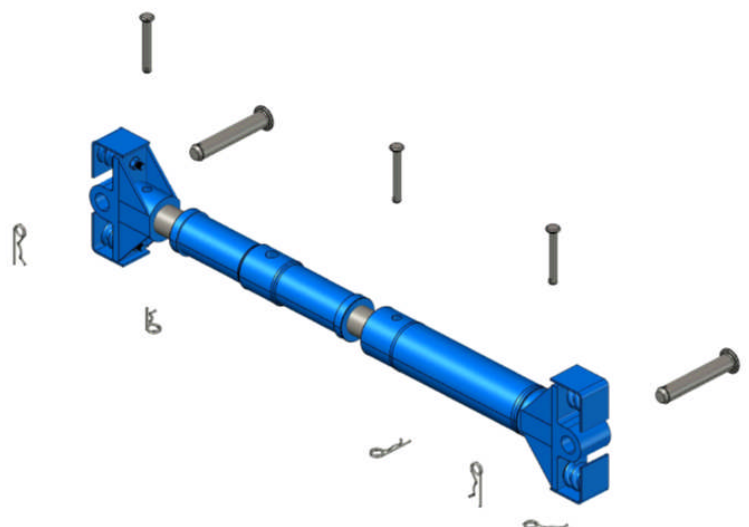
TENSILE FORCES

lifting eyes at the plate head $R_d = 229 \text{ kN}$
 bottom eyes $R_d = 47 \text{ kN}$

STANDARD STRUT_



Brace Extension [m]	Working Width b_c [m]	Shoring Width b for VB 100 [m]	Shoring Width b for VB 120 [m]	Weight G [kg]
<i>without</i>	0,99 - 1,29	1,20 - 1,50	1,24 - 1,54	71,0
0,30	1,29 - 1,59	1,50 - 1,80	1,54 - 1,84	15,5
0,50	1,49 - 1,79	1,70 - 2,00	1,74 - 2,04	20,0
0,80	1,79 - 2,09	2,00 - 2,30	2,04 - 2,34	26,7
1,00	1,99 - 2,29	2,20 - 2,50	2,24 - 2,54	31,1
1,50	2,49 - 2,79	2,70 - 3,00	2,74 - 3,04	42,3
2,00	2,99 - 3,29	3,20 - 3,50	3,24 - 3,54	53,4
2,50	3,49 - 3,79	3,70 - 4,00	3,74 - 4,04	64,5



A strut unit consists of two spring mushrooms, the strut and, if required, a brace extension.

spring mushroom
 standard Stut
 brace extension

bolt $\varnothing 20 \times 148$ with locking clip
 bolt $\varnothing 40 \times 226$ with locking clip