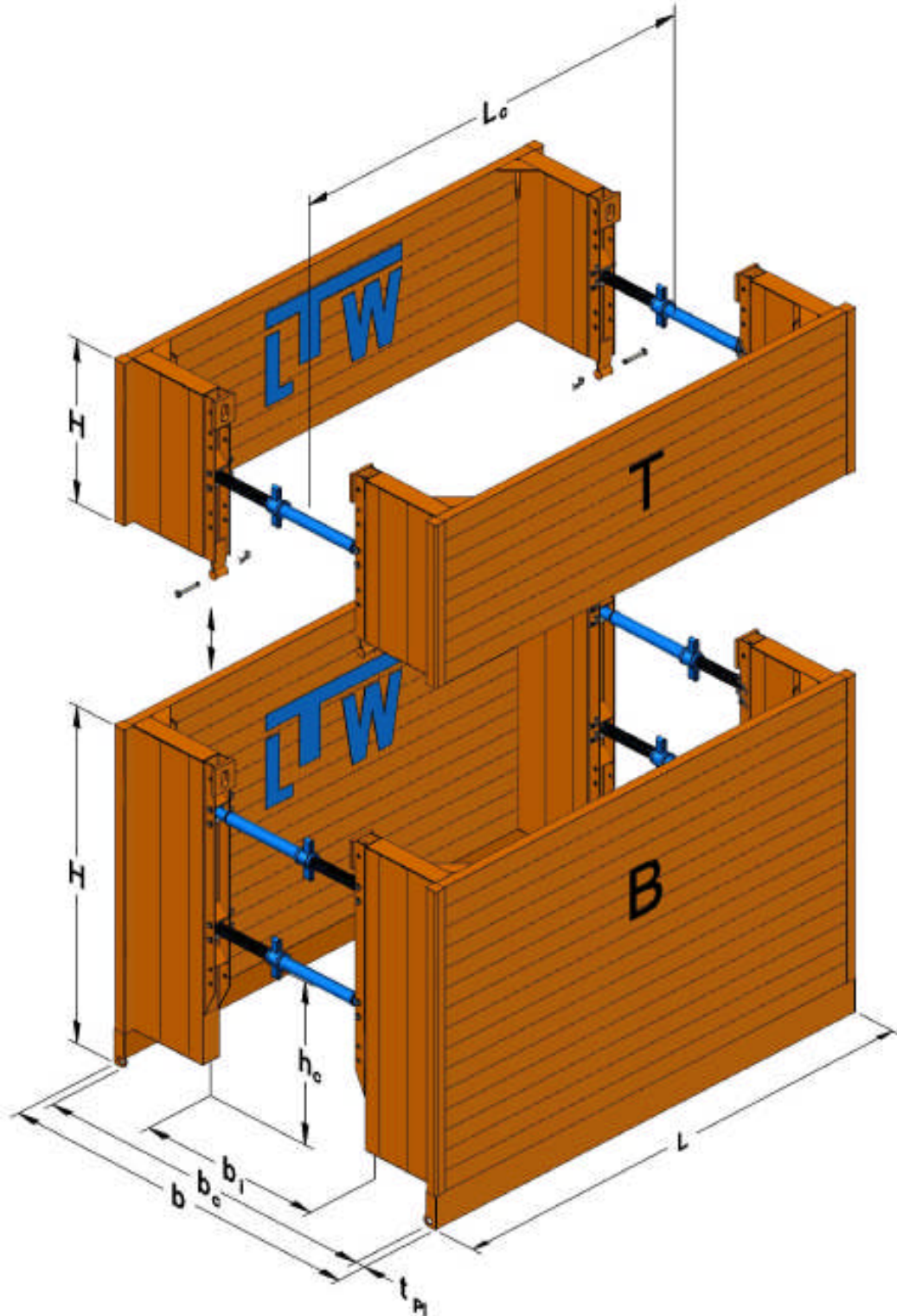


TECHNICAL CHARACTERISTICS

LTW BACKHOE M/H BOX



SYSTEM VIEW



B Base Box
T Top Box
H Plate Height

b Shoring Width
b_c Inner Working Width
t_{p1} Plate Thickness

h_c Pipe culvert height
L Plate Length
L_c Pipe Culvert Length

TECHNICAL CHARACTERISTICS

LTW BACKHOE M/H BOX



BASE BOXES $t_{PI} = 60\text{mm}$

Platelength L [m]	Plateheight H [m]	Pipe culvert length L_C [m]	Pipe culvert height h_C [m]	Limit state design load e_d [kN / m ²]	Plateweight G_{PL} [kg]	Boxweight G_E [kg]
2,00	2,00	1,63	0,98	53,3	515	1080
2,50	2,00	2,13	0,98	42,6	565	1180
3,00	2,00	2,63	0,98	32,0	620	1280

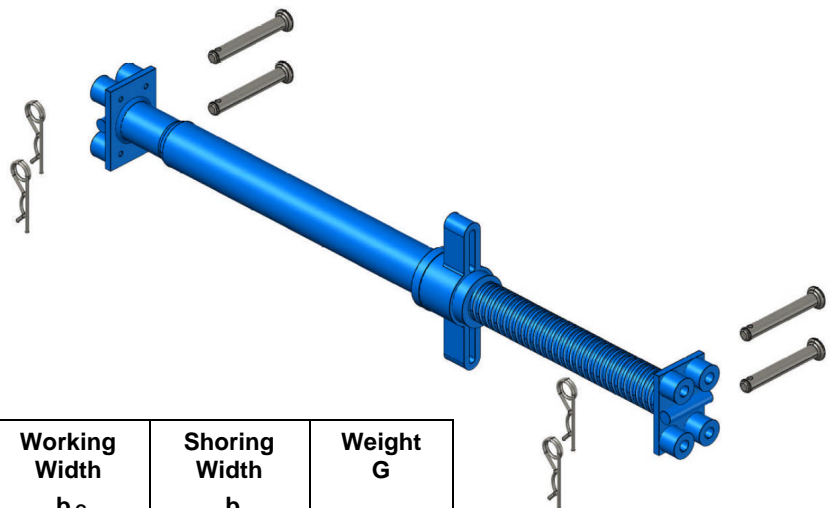
TOP BOXES $t_{PI} = 60\text{mm}$

Platelength L [m]	Plateheight H [m]	Pipe culvert length L_C [m]	Pipe culvert height h_C [m]	Limit state design load e_d [kN / m ²]	Plateweight G_{PL} [kg]	Boxweight G_E [kg]
2,00	1,00	1,63	-	53,3	285	600
2,50	1,00	2,13	-	42,6	315	650
3,00	1,00	2,63	-	32,0	340	710

TENSILE FORCES

lifting eyes at the plate head $R_d = 229 \text{ kN}$
 bottom eyes $R_d = 23 \text{ kN}$

MINIBOX STRUT



Type	Stroke [m]	Working Width b_i [m]	Working Width b_c [m]	Shoring Width b [m]	Weight G [kg]
A	0,10	0,53 - 0,63	1,53 - 1,63	1,65 - 1,75	12
B	0,19	0,62 - 0,81	1,62 - 1,81	1,74 - 1,93	13
C	0,37	0,80 - 1,17	1,80 - 2,17	1,92 - 2,29	16
D	0,73	1,16 - 1,89	2,16 - 2,89	2,28 - 3,01	21