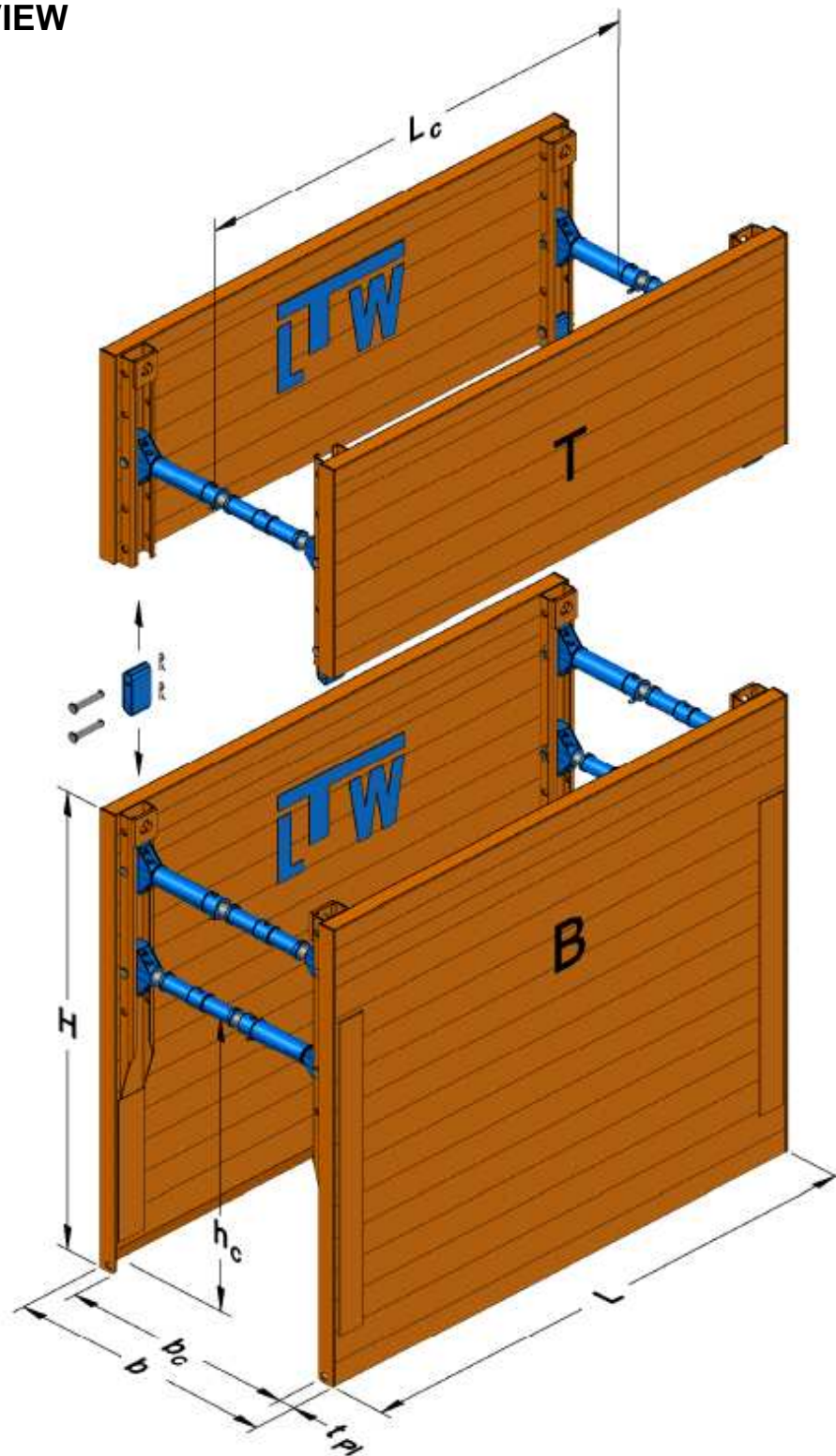


# TECHNICAL CHARACTERISTICS

## LTW MAXI TRENCH BOX



### SYSTEM VIEW



**B** Base Box  
**T** Top Box  
**H** Plate Height

**b** Shoring Width  
**b<sub>c</sub>** Inner Working Width  
**t<sub>pl</sub>** Plate Thickness

**h<sub>c</sub>** Pipe Culvert Height  
**L** Plate Length  
**L<sub>c</sub>** Pipe Culvert Length

# TECHNICAL CHARACTERISTICS

## LTW MAXI TRENCH BOX



### BASE BOXES $t_{PI} = 100 \text{ mm}$

Plate Length L [m]	Plate Height H [m]	Pipe culvert length L <sub>c</sub> [m]	Pipe culvert height h <sub>c</sub> [m]	Limit state design load e <sub>d</sub> [kN / m <sup>2</sup> ]	Plate weight G <sub>PL</sub> [kg]	Box weight G <sub>E</sub> [kg]
3,00	2,92	2,61	1,87	56,2	990	2260
3,50	2,92	3,11	1,87	48,2	1110	2510
3,75	2,92	3,36	1,87	45,0	1170	2630
4,00	2,92	3,61	1,87	42,2	1230	2750

### TOP BOXES $t_{PI} = 100 \text{ mm}$

Plate Length L [m]	Plate Height H [m]	Pipe culvert length L <sub>c</sub> [m]	Pipe culvert height h <sub>c</sub> [m]	Limit state design load e <sub>d</sub> [kN / m <sup>2</sup> ]	Plate weight G <sub>PL</sub> [kg]	Box weight G <sub>E</sub> [kg]
3,00	1,33	2,61		65,0	470	1090
3,50	1,33	3,11		55,7	535	1210
3,75	1,33	3,36		51,3	565	1270
4,00	1,33	3,61		44,6	595	1330

### TENSILE FORCES

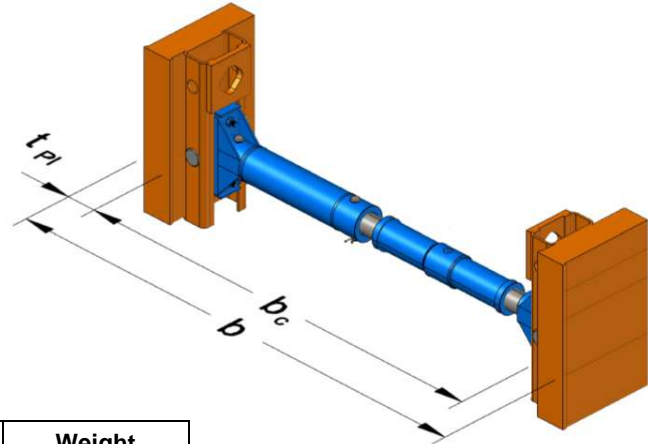
lifting eyes at the plate head      $R_d = 229 \text{ kN}$   
 bottom eyes      $R_d = 47 \text{ kN}$

# TECHNICAL CHARACTERISTICS

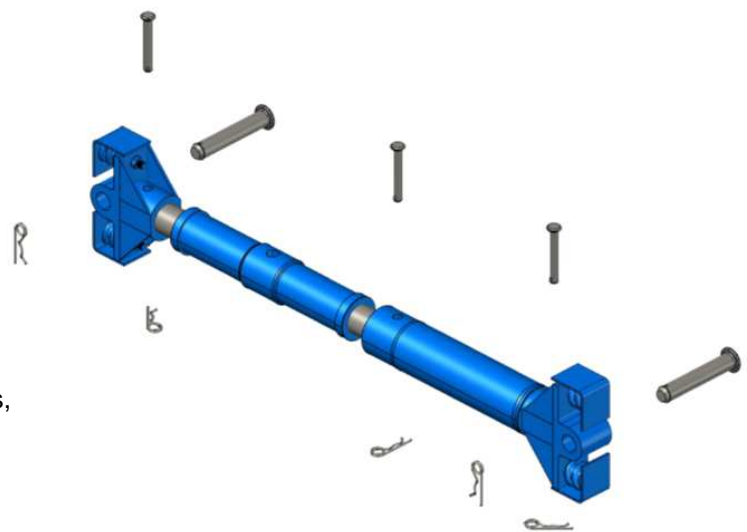
## LTW MAXI TRENCH BOX



### STANDARD STRUT



Brace Extension [ m ]	Working Width $b_c$ [ m ]	Shoring Width $b$ [ m ]	Weight $G$ [ kg ]
<i>without</i>	0,99 - 1,29	1,20 - 1,50	71,0
0,30	1,29 - 1,59	1,50 - 1,80	15,5
0,50	1,49 - 1,79	1,70 - 2,00	20,0
0,80	1,79 - 2,09	2,00 - 2,30	26,7
1,00	1,99 - 2,29	2,20 - 2,50	31,1
1,50	2,49 - 2,79	2,70 - 3,00	42,3
2,00	2,99 - 3,29	3,20 - 3,50	53,4
2,50	3,49 - 3,79	3,70 - 4,00	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