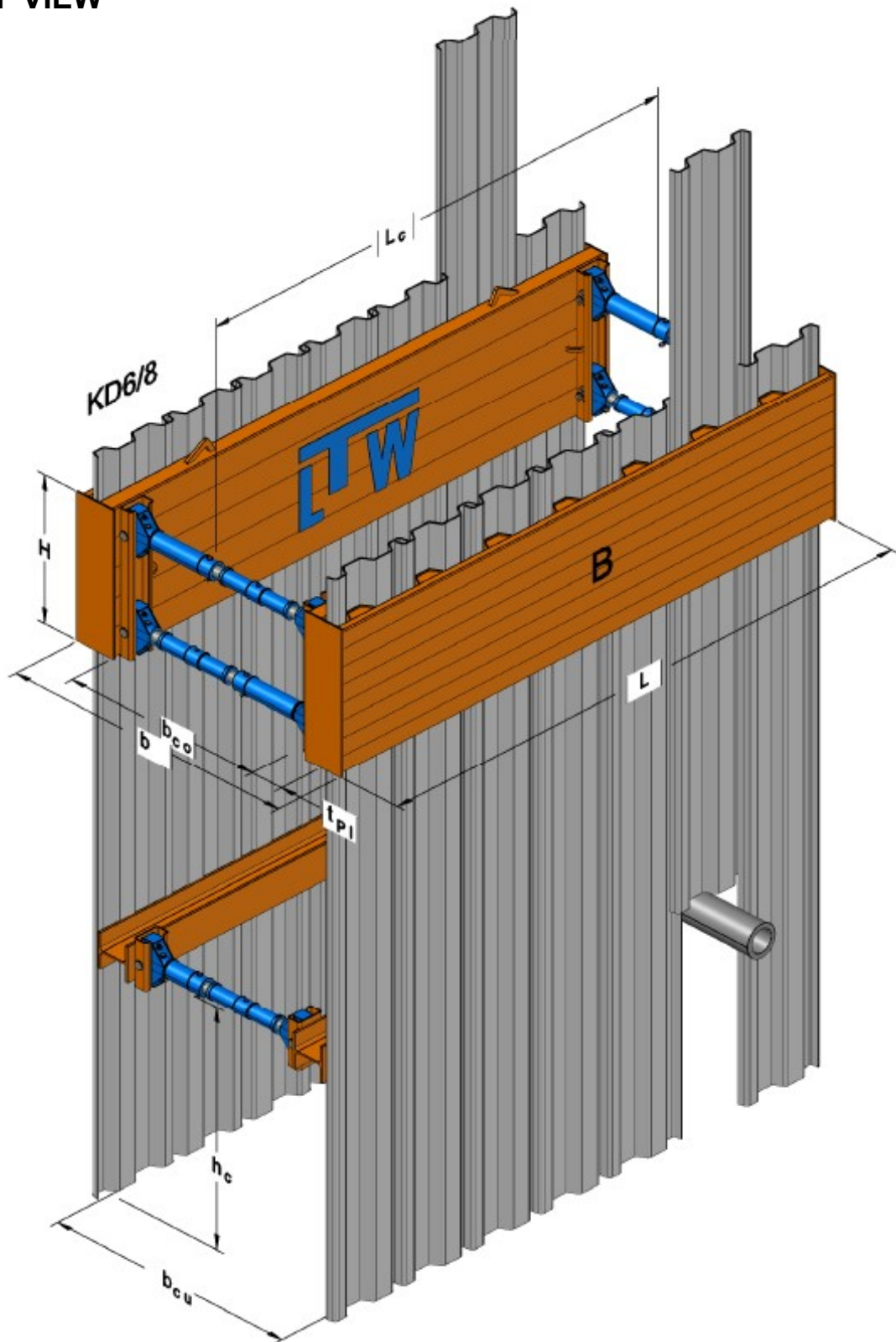


# TECHNICAL CHARACTERISTICS

## LTW PILE GUIDE BOX



### SYSTEM VIEW



**B** Standard Pile Guide Box  
**H** Plate Height  
**b** Trench Width

$b_{co}$  working width inside Plates  
 $b_{cu}$  working width between sheets  
 $t_{PI}$  Plate thickness

$h_c$  Pipe Culvert Height  
**L** Plate Length  
 $L_c$  Pipe Culvert Length

# TECHNICAL CHARACTERISTICS

## LTW PILE GUIDE BOX



**STANDARD PILE GUIDE Box**  $t_{PI-(inner\ Plate)} = 120\text{ mm}$

### Box with Standard Struts for trench sheets type KD 4/6

Plate length L [ m ]	Plate height H [ m ]	Pipe culvert length L <sub>c</sub> [ m ]	Number of trench sheets n per plate	Limit state design beam load q <sub>d</sub> [ kN / m ]	Plate Weight G <sub>PL</sub> [ kg ]	Box Weight G <sub>E</sub> [ kg ]
2,84	1,00	2,41	7 * KD4	200,6	720	1730
3,24	1,00	2,81	8 * KD4	149,0	810	1910
3,64	1,00	3,21	9 * KD4	115,1	900	2080
4,04	1,00	3,61	10 * KD4	91,6	990	2260

### Box with Standard Struts for trench sheets type KD 6/8

Plate length L [ m ]	Plate height H [ m ]	Pipe culvert length L <sub>c</sub> [ m ]	Number of trench sheets n per plate	Limit state design beam load q <sub>d</sub> [ kN / m ]	Plate Weight G <sub>PL</sub> [ kg ]	Box Weight G <sub>E</sub> [ kg ]
2,44	1,00	2,01	4 * KD6	212,8	630	1550
2,86	1,00	2,43	5 * KD6	154,9	730	1740
3,44	1,00	3,01	6 * KD6	107,1	855	2000
3,94	1,00	3,51	7 * KD6	81,6	970	2220

### Box with guidance for being used in the Slide Rail System with sheets type KD 6/8

Plate length L [ m ]	Plate height H [ m ]	Pipe culvert length L <sub>c</sub> [ m ]	Number of trench sheets n per plate	Limit state design beam load q <sub>d</sub> [ kN / m ]	Plate Weight G <sub>PL</sub> [ kg ]	Box Weight G <sub>E</sub> [ kg ]
2,52	1,00	~2,52	4 * KD6	212,8	680	1650
2,94	1,00	~2,94	5 * KD6	154,9	780	1840
3,52	1,00	~3,52	6 * KD6	107,1	905	2100
4,02	1,00	~4,02	7 * KD6	81,6	1020	2320

## TENSILE FORCES

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

# TECHNICAL CHARACTERISTICS

## LTW PILE GUIDE BOX

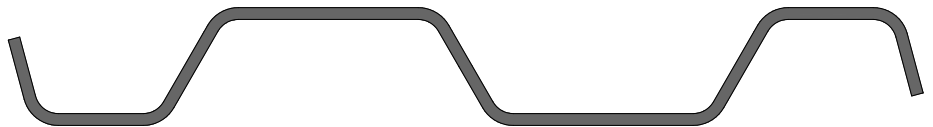


### Trench Sheets steel quality S275JRC

KD 4/6

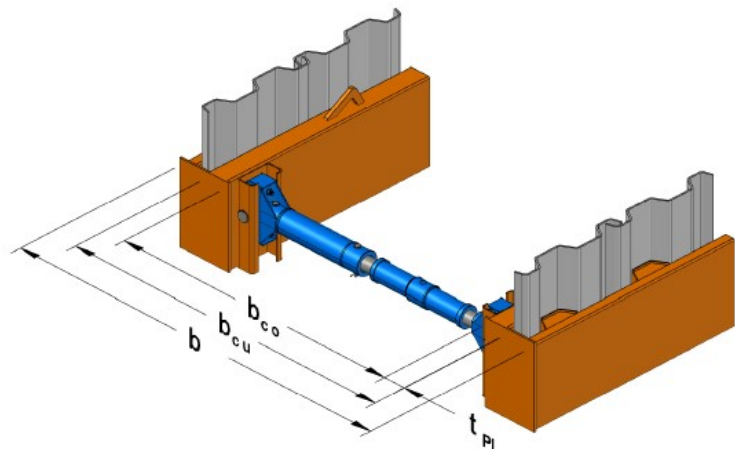


KD 6/8



Type	Width <b>b</b> [ mm ]	Height <b>h</b> [ mm ]	Thickness <b>t</b> [ mm ]	Section Modulus <b>W<sub>y</sub></b> [ cm <sup>3</sup> /m ]	Moment of inertia <b>I<sub>y</sub></b> [ cm <sup>4</sup> /m ]	Bending Moment <b>M<sub>d</sub></b> [ kNm/m ]	Weight single pile [ kg/m ]	Weight Wall [ kg/m <sup>2</sup> ]
<i>KD 4/6</i>	400	50	6	102	254	25,5	22,1	55,3
<i>KD 6/8</i>	600	80	8	242	969	60,5	50,0	83,3

### STANDARD STRUT



Brace Extension [ m ]	inner working width between plates <b>b<sub>co</sub></b> [ m ]	inner working width between sheets <b>b<sub>cu</sub></b> [ m ]	shoring width KD 4/6 <b>b</b> [ m ]	shoring width KD 6/8 <b>b</b> [ m ]	Weight <b>G</b> [ kg ]
-	0,99 - 1,29	1,23 - 1,53	1,47 - 1,77	1,54 - 1,84	71,0
0,30	1,29 - 1,59	1,53 - 1,83	1,77 - 2,07	1,84 - 2,14	15,5
0,50	1,49 - 1,79	1,73 - 2,03	1,97 - 2,27	2,04 - 2,34	20,0
0,80	1,79 - 2,09	2,03 - 2,33	2,27 - 2,57	2,34 - 2,64	26,7
1,00	1,99 - 2,29	2,23 - 2,53	2,47 - 2,77	2,54 - 2,84	31,1
1,50	2,49 - 2,79	2,73 - 3,03	2,97 - 3,27	3,04 - 3,34	42,3
2,00	2,99 - 3,29	3,23 - 3,53	3,47 - 3,77	3,54 - 3,84	53,4
2,50	3,49 - 3,79	3,73 - 4,03	3,97 - 4,27	4,04 - 4,34	64,5