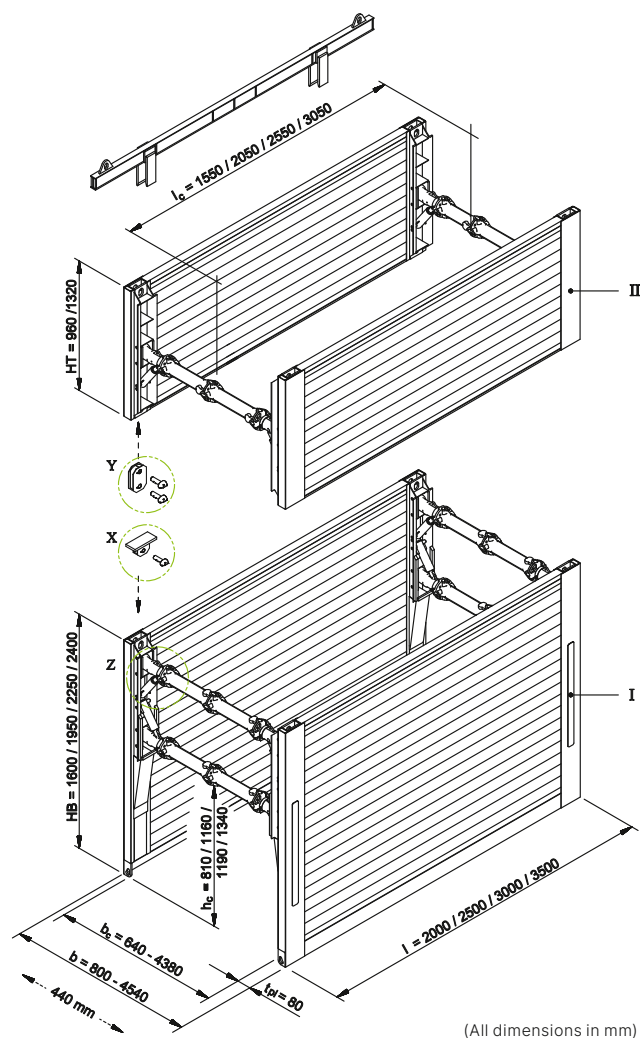
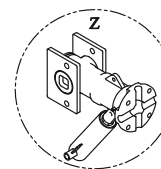
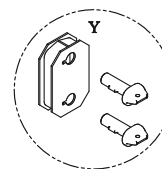
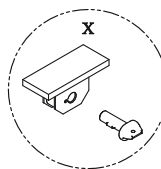


E+S LBR lightweight shoring



General data

Shoring length	2.00 m–3.50 m	
Base unit height	1.60 m / 1.95 m / 2.25 m / 2.40 m	
Top unit height	0.96 m / 1.32 m	
Pipe culvert height	0.81 m / 1.16 m / 1.19 m / 1.34 m	
Base box weight	746 kg–1,540 kg	
Shoring width	variable	
Rec.: mobile or crawler excavator	Base box only:	12–18 t
	With top unit:	18–30 t



- I Base unit
- II Top unit
- HB Base unit height
- HT Top unit height
- l Length
- l_c Pipe culvert length
- b Shoring/trench width
- b_c Clear width
- h_c Pipe culvert height
- t_{pl} Panel thickness
- X Pressure plate with bolts
- Y Connector with bolts
- Z Strut with bearing plate and shock absorber

Base units (height 1.60 m)

Art. no.	l [m]	t _{pl} [mm]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 455	2.00	0.08	0.81	1.55	373.0	746.0	3.20	79.5
801 505	2.50	0.08	0.81	2.05	420.0	840.0	4.00	61.5
801 568	3.00	0.08	0.81	2.55	502.0	1,004.0	4.80	41.0
801 578	3.50	0.08	0.81	3.05	538.0	1,076.0	5.60	29.3

Base units (height 1.95 m)

Art. no.	l [m]	t _{pl} [mm]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 475	2.00	0.08	1.16	1.55	467.0	934.0	3.90	39.8
801 525	2.50	0.08	1.16	2.05	478.0	956.0	4.88	31.9
801 565	3.00	0.08	1.16	2.55	588.0	1,176.0	5.85	26.6
801 575	3.50	0.08	1.16	3.05	618.0	1,236.0	6.83	22.8

Base units (height 2.25 m)

Art. no.	l [m]	t _{pl} [m]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 015	2.00	0.08	1.19	1.55	515.0	1,030.0	4.50	46.2
801 055	2.50	0.08	1.19	2.05	595.0	1,190.0	5.63	37.0
801 105	3.00	0.08	1.19	2.55	670.0	1,340.0	6.75	30.8
801 108	3.50	0.08	1.19	3.05	740.0	1,480.0	7.88	26.4

Base units (height 2.40 m)

Art. no.	l [m]	t _{pl} [m]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 210	2.00	0.08	1.34	1.55	550.0	1,100.0	4.80	54.7
801 215	2.50	0.08	1.34	2.05	655.0	1,310.0	6.00	43.8
801 220	3.00	0.08	1.34	2.55	675.0	1,350.0	7.20	36.5
801 110	3.50	0.08	1.34	3.05	770.0	1,540.0	8.40	29.4

Top units (height 0.96 m)

Art. no.	l [m]	t _{pl} [m]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 595	2.00	0.08	-	1.55	265.0	530.0	1.92	79.5
801 625	2.50	0.08	-	2.05	317.0	634.0	2.40	61.5
801 665	3.00	0.08	-	2.55	357.0	714.0	2.88	41.0
801 675	3.50	0.08	-	3.05	380.0	760.0	3.36	29.3

Top units (height 1.32 m)

Art. no.	l [m]	t _{pl} [m]	h _c [m]	l _c [m]	G / VP [kg]	G / Box [kg]	A [m ²]	e _n [kN/m ²]
801 628	2.00	0.08	-	1.55	341.0	682.0	2.64	79.5
801 630	2.50	0.08	-	2.05	391.0	782.0	3.30	61.5
801 635	3.00	0.08	-	2.55	408.0	816.0	3.96	41.0
801 680	3.50	0.08	-	3.05	430.0	860.0	4.62	29.3

Extension bars

Art. no.	Short description	l [m]	G [kg]
850 091	Cast extension bar	0.250	11.2
850 100	Cast extension bar	0.550	18.7
850 112	HEB 180 extension bar	0.275	28.0
850 110	HEB 180 extension bar	0.550	43.0
850 124	HEB 180 extension bar	1.100	70.0
850 132	HEB 180 extension bar	1.650	100.0
850 135	HEB 180 extension bar	2.200	130.0

Shoring width (for cast pipe extension bars, l = 0.55 m)

Extension bars	l [m]	b _c [m]	b [m]
0	0.00	0.64–1.08	0.80–1.24
1	0.55	1.19–1.63	1.35–1.79
2	1.10	1.74–2.18	1.90–2.34
3	1.65	2.29–2.73	2.45–2.89
4	2.20	2.84–3.28	3.00–3.44
5	2.75	3.39–3.83	3.55–3.99
max. 6	3.30	3.94–4.38	4.10–4.54

Dimensions "from-to" depending on spindle stroke.
 Different trench widths possible by combination of different extension bar lengths l = 0.25 m and l = 0.55 m.

l	Length	b _c	Clear width	A	Surface	G / Box	Weight / shoring box
l _c	Pipe culvert length	h _c	Pipe culvert height	G	Weight	e _n	Admissible soil pressure
b	Trench width	t _{pl}	Panel thickness	G / VP	Weight / shoring panel		