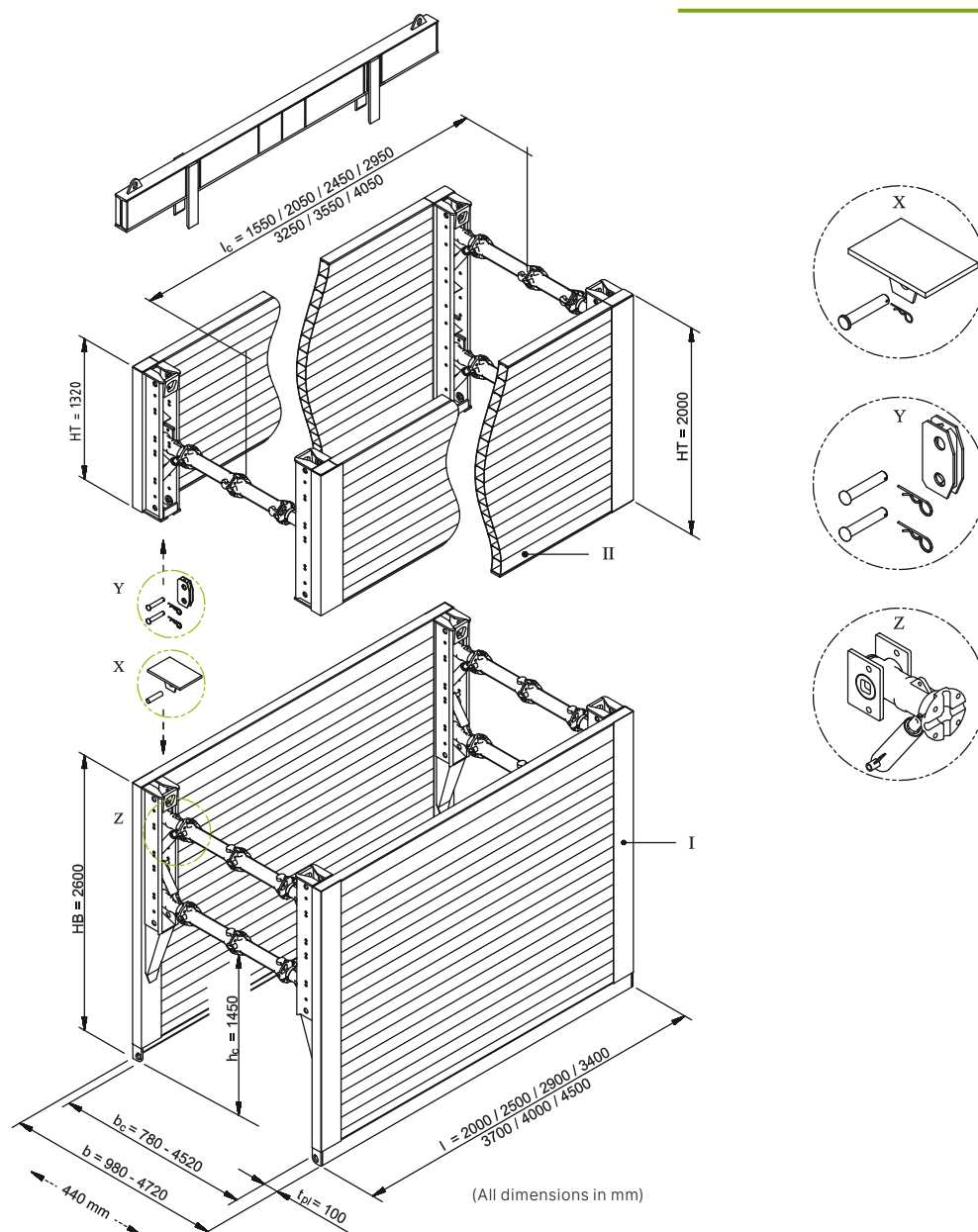


E+S Medium shoring



General data

Shoring length	2.00 m–4.50 m	
Base unit height	2.60 m	
Top unit height	1.32 m / 2.00 m	
Pipe culvert height	1.45 m	
Base box weight	1,460 kg–2,780 kg	
Shoring width	variable	
Rec.: mobile or crawler excavator	Base box only:	12–18 t
	With top unit:	18–30 t



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

Base units (height 2.60 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]
800 010	2.00	0.10	1.45	1.55	730.0	1,460.0	5.20	70.0
800 100	2.50	0.10	1.45	2.05	825.0	1,650.0	6.50	60.0
800 150	2.90	0.10	1.45	2.45	908.0	1,816.0	7.54	55.0
800 200	3.40	0.10	1.45	2.95	1,028.0	2,056.0	8.84	50.8
800 300	3.70	0.10	1.45	3.25	1,118.0	2,236.0	9.62	42.3
800 400	4.00	0.10	1.45	3.55	1,257.0	2,514.0	10.40	44.0
800 440	4.50	0.10	1.45	4.05	1,390.0	2,780.0	11.70	34.2

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]
800 550	2.00	0.10	-	1.55	463.0	926.0	2.64	70.0
800 600	2.50	0.10	-	2.05	531.0	1,062.0	3.30	60.0
800 650	2.90	0.10	-	2.45	578.0	1,156.0	3.83	55.0
800 700	3.40	0.10	-	2.95	658.0	1,316.0	4.49	50.8
800 800	3.70	0.10	-	3.25	692.0	1,384.0	4.88	42.3
800 900	4.00	0.10	-	3.55	775.0	1,550.0	5.28	44.0
800 950	4.50	0.10	-	4.05	820.0	1,640.0	5.94	34.2

Top units (height 2.00 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]
802 680	2.00	0.10	-	1.55	697.0	1,394.0	4.00	70.0
802 690	2.50	0.10	-	2.05	785.0	1,570.0	5.00	60.0
802 550	2.90	0.10	-	2.45	840.0	1,680.0	5.80	55.0
802 700	3.40	0.10	-	2.95	930.0	1,860.0	6.80	50.8
802 750	3.70	0.10	-	3.25	990.0	1,980.0	7.40	42.3
802 751	4.00	0.10	-	3.55	1,085.0	2,170.0	8.00	44.0
800 951	4.50	0.10	-	4.05	1,192.0	2,384.0	9.00	34.2

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 widths (for extension bars HEB 180)

Extension bar length [m]	b _c [m]	b [m]
0.000	0.78–1.22	0.98–1.42
0.275	1.06–1.50	1.26–1.70
0.550	1.33–1.77	1.53–1.97
1.100	1.88–2.32	2.08–2.52
1.650	2.43–2.87	2.63–3.07
2.200	2.98–3.42	3.18–3.62
2.200 + 1.100	4.08–4.52	4.28–4.72

Dimensions "from-to" depending on spindle stroke. Other trench widths possible by combination of different extension bar lengths.

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

Extension bars	l [m]	b _c [m]	b [m]
0	0.00	0.78–1.22	0.98–1.42
1	0.55	1.33–1.77	1.53–1.97
2	1.10	1.88–2.32	2.08–2.52
3	1.65	2.43–2.87	2.63–3.07
4	2.20	2.98–3.42	3.18–3.62
5	2.75	3.53–3.97	3.73–4.17
max. 6	3.30	4.08–4.52	4.28–4.72

Dimensions "from-to" depending on spindle stroke.
Other trench widths possible by combination of the two different intermediate trench lengths l = 0.25 m and l = 0.55 m.

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