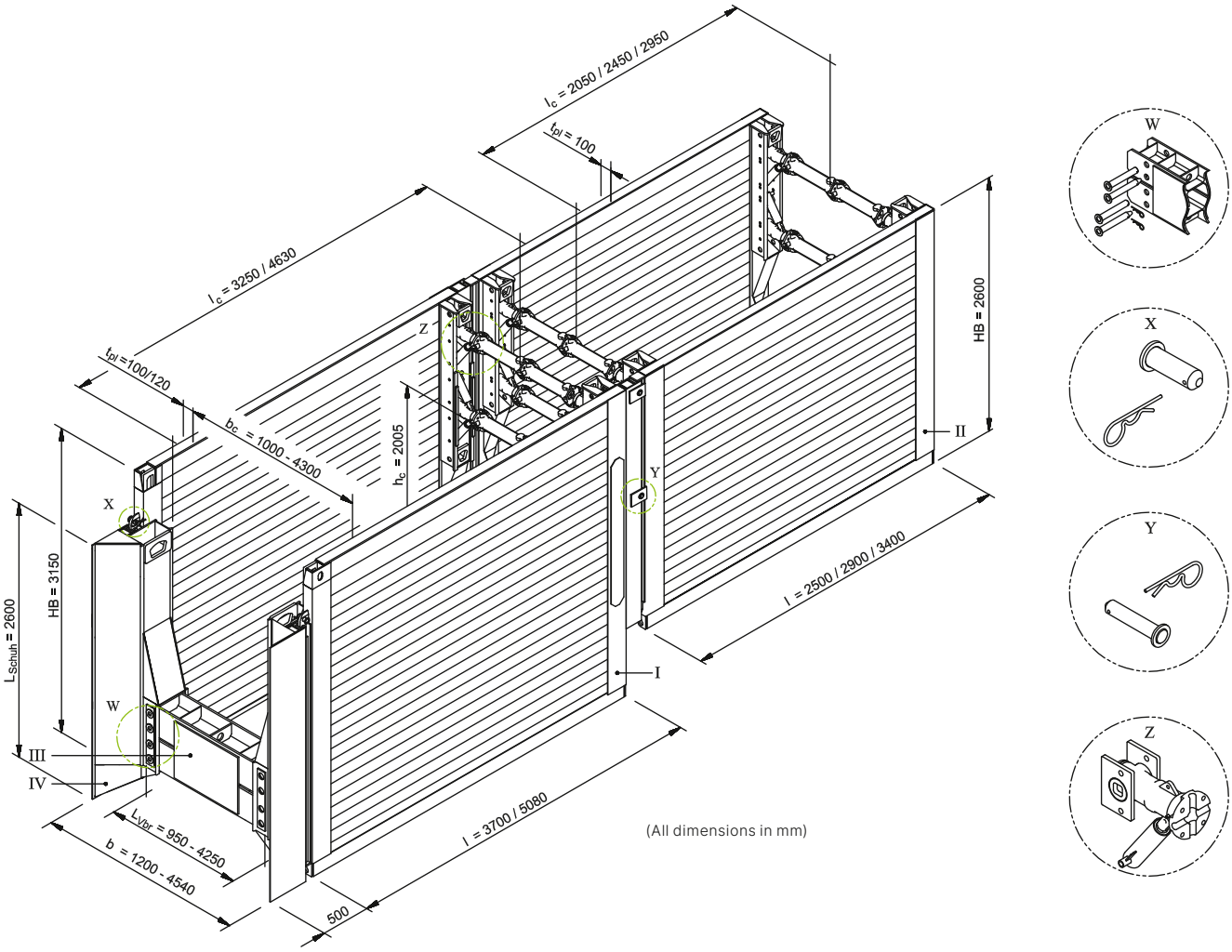
E+S Dragbox



General data

Shoring length	3.70 m–5.08 m
Base unit height	3.00 m / 3.15 m
Pipe culvert height	1.88 m / 2.00 m
Base box weight	3,140 kg–4,170 kg
Shoring width	variable
Rec.: crawler excavator	30–50 t



(All dimensions in mm)

I	Dragbox base unit	L_{Vbr}	Connection bar length	b_c	Clear width	Y	Drag plate positioning bolt
II	Drag plate	L_{Schuh}	Cutting blade length	h_c	Pipe culvert height	Z	Strut with bearing plate and shock absorber
III	Connection bar	l	Length	t_{pl}	Panel thickness		
IV	Cutting blade	l_c	Pipe culvert length	W	Connection bar positioning bolt		
HB	Base unit height	b	Shoring/trench width	X	Cutting blade positioning bolts		

Base units

Art. no.	l [m]	h [m]	t_{pl} [m]	h_c [m]	l_c [m]	G / VP [kg]	G / Box [kg]	A [m²]	e_h [kN/m²]
802 269	3.70	3.15	0.10	2.00	3.25	1,570.00	3,140.00	11.66	39.5
802 411	5.08	3.00	0.12	1.88	4.63	2,085.00	4,170.00	15.24	28.6

Cutting blades

Art. no.	Short description	l [m]	G [kg]
847 100	Right cutting blade	0.65	580.0
847 150	Left cutting blade	0.65	580.0

Connection bars

Art. no.	Short description	l [m]	G [kg]
847 200	Connection bar	0.95	295.0
847 210	Connection bar	1.50	500.0
847 220	Connection bar	2.05	715.0
847 230	Connection bar	2.60	920.0
847 240	Connection bar	3.15	1,125.0
847 250	Connection bar	3.70	1,330.0
847 260	Connection bar	4.25	1,530.0

Bolts

Art. no.	Short description	l [m]	G [kg]	d [m]
847 300	Bolt (blunt)	0.385	10.0	0.06
847 301	Bolt (inclined)	0.445	11.0	0.06

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 cast pipe extension bars, l = 0.55 m and HEB 180)

Extension bar length [m]	Connection bar length [m]	b_c [m]	for base unit t_{pl} = 0.10 m b [m]	for base unit t_{pl} = 0.12 m b [m]
0.00	0.95	1.00	1.20	1.24
0.55	1.50	1.55	1.75	1.79
1.10	2.05	2.10	2.30	2.34
1.65	2.60	2.65	2.85	2.89
2.20	3.15	3.20	3.40	3.44
2.20 + 0.55	3.70	3.75	3.95	3.99
2.20 + 1.10	4.25	4.30	4.50	4.54

l	Length	h	Panel height	G	Weight	d	Diameter
l_c	Pipe culvert length	h_c	Pipe culvert height	G / VP	Weight / shoring panel		
b	Trench width	t_{pl}	Panel thickness	G / Box	Weight / shoring box		
b_c	Clear width	A	Surface	e_h	Admissible soil pressure		

Other sizes or custom-made products on request.

Accessories and spare parts, see p. 41–43