

Section illustrations and data

LARSEN 23

Section width per D = 1000 mm

	Unit	Per m wall	Single pile			Double pile			Triple pile		
			E	D	Dr	E	D	Dr	E	D	Dr
Elastic section modulus ¹⁾	W_y	cm ³	2000	527	2000	2350					
	W_z	cm ³	–	1160	–	–					
Plastic section modulus ¹⁾	W_y	cm ³	2300	–	–	–					
Weight		kg/m	155.0	77.5	155.0	232.5					
Cross sectional area		cm ²	197.4	98.7	197.4	296.1					
Circumference ²⁾		cm	315	184	342	500					
Coating area ³⁾		m ² /m	3.15	1.72	3.30	4.88					
Static moment	S_y	cm ³	1150	–	–	–					
Second moment of inertia	I_y	cm ⁴	42000	7480	42000	58470					
	I_z	cm ⁴	–	31220	–	–					
Radius of gyration	i_y	cm	14.60	8.71	14.60	14.10					

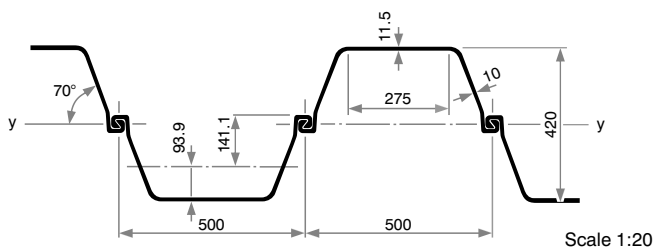
1) Section modulus referred:

E and Dr – the heavy axis of the respective element; D and per m wall – the wall axis y-y.

The section modulus of D, Dr u. per m wall requires locking of the factory-crimped interlocks to accommodate the shear forces.

2) Including the internal surface of free interlocks of single, double and triple piles.

3) Without interlock interior – two-side coating.



Classification according to ENV 1993-5

Steel grade					
S 240 GP	S 270 GP	S 320 GP	S 355 GP	S 390 GP	S 430 GP
2	2	2	2	2	2