

Section illustrations and data

LARSEN 24/12

Section width per D = 1000 mm

	Unit	Per m wall	Single pile	Double pile	Triple pile	
			E	D	Dr	
Elastic section modulus¹⁾	W_y	cm ³	2550	560	2550	2952
	W_z	cm ³	–	1345	–	–
Plastic section modulus ¹⁾	W_y	cm ³	2948	–	–	–
Weight		kg/m	185.4	92.7	185.4	278.1
Cross sectional area		cm ²	236	118	236	354
Circumference ²⁾		cm	315	184	340	496
Coating area ³⁾		m ² /m	3.15	1.72	3.28	4.84
Static moment	S_y	cm ³	1474	–	–	–
Second moment of inertia	I_y	cm ⁴	53610	8397	53610	74279
	I_z	cm ⁴	–	36180	–	–
Radius of gyration	i_y	cm	15.10	8.40	15.10	14.50

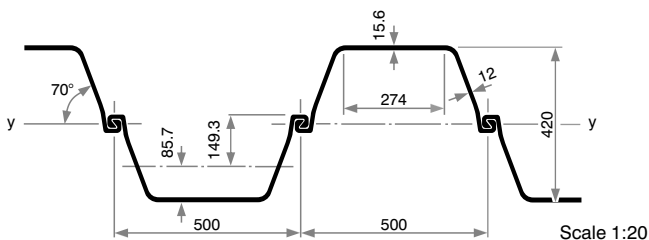
1) Section modulus referred:

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