LARSSEN 603

Section width per D = 1200 mm

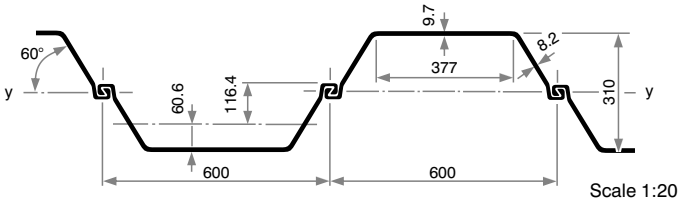
		Unit	Per m wall	Single pile	Double pile	Triple pile
				E	D	Dr
Elastic section modulus[1]	**W_y**	cm^3	**1200**	330	1440	1670
	W_z	cm^3	–	1130	–	–
Plastic section modulus[1]	W_y	cm^3	1300	–	–	–
Weight		kg/m	**108.0**	64.8	130.0	194.0
Cross sectional area		cm^2	138.3	83.0	166.0	249.0
Circumference[2]		cm	260	181	337	493
Coating area[3]		m^2/m	2.60	1.69	3.25	4.81
Static moment	S_y	cm^3	650	–	–	–
Second moment of inertia	**I_y**	cm^4	**18600**	3830	22320	31050
	I_z	cm^4	–	36100	–	–
Radius of gyration	i_y	cm	11.63	6.79	11.63	11.19

[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.

Sheet Piling Handbook
08/05
subject to alterations



Scale 1:20

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
3	3	3	3	4	4