LARSSEN 604

Section width per D = 1200 mm

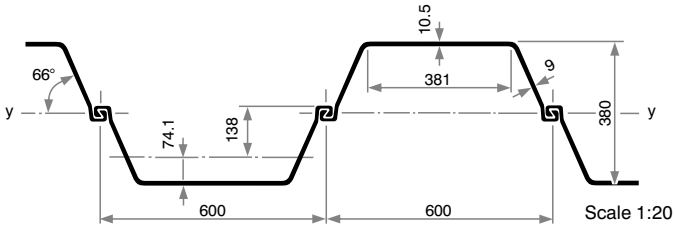
		Unit	Per m wall	Single pile	Double pile	Triple pile
				E	D	Dr
Elastic section modulus[1]	W_y	cm^3	**1620**	425	1940	2240
	W_z	cm^3	–	1320	–	–
Plastic section modulus[1]	W_y	cm^3	1822	–	–	–
Weight		kg/m	**124.2**	74.5	149.0	223.5
Cross sectional area		cm^2	158.3	95.0	190.0	285.0
Circumference[2]		cm	282	194	363	532
Coating area[3]		m^2/m	2.82	1.82	3.51	5.20
Static moment	S_y	cm^3	911	–	–	–
Second moment of inertia	I_y	cm^4	**30710**	5840	36850	51080
	I_z	cm^4	–	42020	–	–
Radius of gyration	i_y	cm	13.93	7.84	13.93	13.39

[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



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	3	3	3	3	4