

## Section illustrations and data

## LARSEN 43

Section width per  $D = 1000$  mm

	Unit	Per m wall	Single pile	Double pile	Triple pile	
			E	D	Dr	
Elastic section modulus <sup>1)</sup>	$W_y$	cm <sup>3</sup>	<b>1660</b>	483	1660	1990
	$W_z$	cm <sup>3</sup>	–	1204	–	–
Plastic section modulus <sup>1)</sup>	$W_y$	cm <sup>3</sup>	2184	–	–	–
<b>Weight</b>		kg/m	<b>166.0</b>	83.0	166.0	249.0
Cross sectional area		cm <sup>2</sup>	212	106	212	318
Circumference <sup>2)</sup>		cm	280	167	308	449
Coating area <sup>3)</sup>		m <sup>2</sup> /m	2.80	1.55	2.96	4.37
Static moment	$S_y$	cm <sup>3</sup>	–	1100	–	–
<b>Second moment of inertia</b>	$I_y$	cm <sup>4</sup>	<b>34900</b>	6230	34900	48670
	$I_z$	cm <sup>4</sup>	–	32930	–	–
Radius of gyration	$i_y$	cm	12.80	7.67	12.80	12.40

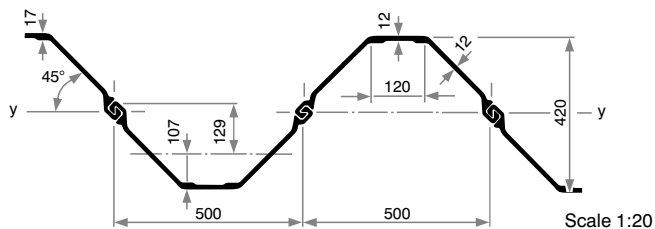
## 1) Section modulus referred:

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