

## Section illustrations and data

## LARSEN 605

Section width per D = 1200 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>2020</b>	520	2420	2790
	$W_z$	cm <sup>3</sup>	–	1420	–	–
Plastic section modulus <sup>1)</sup>	$W_y$	cm <sup>3</sup>	2260	–	–	–
<b>Weight</b>		kg/m	<b>139.2</b>	83.5	167.0	250.5
Cross sectional area		cm <sup>2</sup>	176.7	106.0	212.0	318.0
Circumference <sup>2)</sup>		cm	290	200	374	548
Coating area <sup>3)</sup>		m <sup>2</sup> /m	2.90	1.88	3.62	5.36
Static moment	$S_y$	cm <sup>3</sup>	1130	–	–	–
<b>Second moment of inertia</b>	$I_y$	cm <sup>4</sup>	<b>42370</b>	7910	50840	70420
	$I_z$	cm <sup>4</sup>	–	45350	–	–
Radius of gyration	$i_y$	cm	15.50	8.62	15.50	14.90

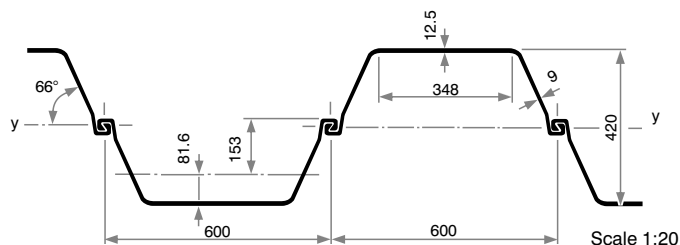
## 1) Section modulus referred:

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	3