

## Section illustrations and data

## LARSSEN 606 n

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>   | 2500        | 605         | 3000        | 3430  |
|                                       | $W_z$ | cm <sup>3</sup>   | –           | 1540        | –           | –     |
| Plastic section modulus <sup>1)</sup> | $W_y$ | cm <sup>3</sup>   | 2820        | –           | –           | –     |
| Weight                                |       | kg/m              | 157.0       | 94.2        | 188.4       | 282.6 |
| Cross sectional area                  |       | cm <sup>2</sup>   | 200.0       | 120.0       | 240.0       | 360.0 |
| Circumference <sup>2)</sup>           |       | cm                | 292         | 201         | 377         | 552   |
| Coating area <sup>3)</sup>            |       | m <sup>2</sup> /m | 2.92        | 1.89        | 3.65        | 5.40  |
| Static moment                         | $S_y$ | cm <sup>3</sup>   | 1410        | –           | –           | –     |
| Second moment of inertia              | $I_y$ | cm <sup>4</sup>   | 54375       | 9870        | 65250       | 90290 |
|                                       | $I_z$ | cm <sup>4</sup>   | –           | 48970       | –           | –     |
| Radius of gyration                    | $i_y$ | cm                | 16.49       | 9.07        | 16.49       | 15.84 |

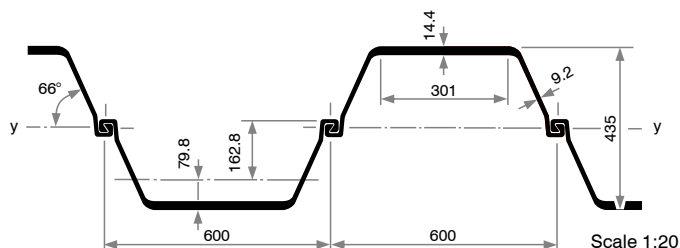
1) Section modulus referred:

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        |