

# Special Profile: L430

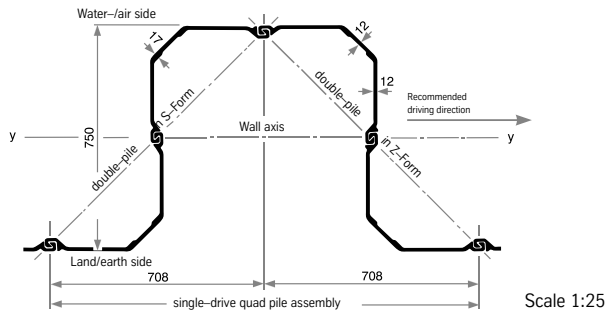
LARSSEN 43		Unit	Per m wall	Double pile	Quadruple pile
Elastic section modulus <sup>1)</sup>	$W_y$	cm <sup>3</sup>	6450	D 4570	V 9130
	$W_z$	cm <sup>3</sup>	–	–	–
Plastic section modulus <sup>1)</sup>	$W_p$	cm <sup>3</sup>	7486	–	–
Weight		kg/m	234.5	166.0	332.0 <sup>4)</sup>
Cross sectional area		cm <sup>2</sup>	299.4	212.0	424.0
Circumference <sup>2)</sup>		cm	396	308	590
Coating area <sup>3)</sup>		m <sup>2</sup> /m	3.96	2.96	5.78
Static moment	$S_y$	cm <sup>3</sup>	3750	–	–
Second moment of inertia	$I_y$	cm <sup>4</sup>	241800	171200	342400
	$I_z$	cm <sup>4</sup>	–	–	–
Radius of gyration	$i_y$	cm	28.40	28.40	28.40

<sup>1)</sup> The section modulus of D, V and per m wall requires locking of the factory-crimped interlocks to accommodate the shear forces.

<sup>2)</sup> Double and quadruple piles including the interior of the free locks.

<sup>3)</sup> Without interlock interior – two-side coating.

<sup>4)</sup> Without stiffeners.



- Advantages.**
- High section modulus
  - High moment of inertia
  - Free-standing retaining wall
  - Favourable  $W_y$  - weight relation
  - High bearing capacity

Wall form of LARSSEN 43.

For supplies of quadruple piles the weight of the welds and stiffeners must be taken into account. If quadruple piles are used,  $b = 1416$  mm

