Special Profile: L430

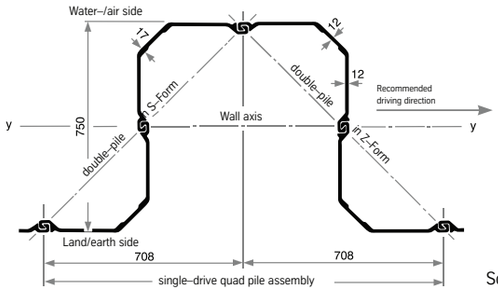
LARSSEN 43		Unit	Per m wall	Double pile	Quadruple pile
				D	V
Elastic section modulus[1]	W_y	cm³	6450	4570	9130
	W_z	cm³	–	–	–
Plastic section modulus[1]	W_y	cm³	7486	–	–
Weight		kg/m	234.5	166.0	332.0 [4]
Cross sectional area		cm²	299.4	212.0	424.0
Circumference [2]		cm	396	308	590
Coating area [3]		m²/m	3.96	2.96	5.78
Static moment	S_y	cm³	3750	–	–
Second moment of inertia	I_y	cm⁴	241800	171200	342400
	I_z	cm⁴	–	–	–
Radius of gyration	i_y	cm	28.40	28.40	28.40

1) The section modulus of D, V and per m wall requires locking of the factory–crimped interlocks to accomodate the shear forces.

2) Double and quadruple piles including the interior of the free locks.

3) Without interlock interior – two–side coating.

4) Without stiffeners.



Scale 1:25

Advantages.

- High section modulus
- High moment of inertia
- Free-standing retaining wall
- Favourable Wy - 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