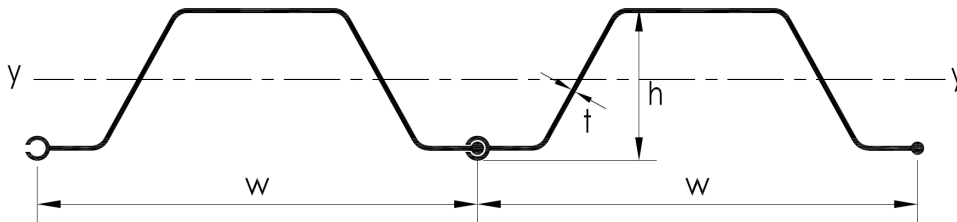


# ESC EU SERIES

## COLD FORMED SHEET PILES

ESC Steel is proud to offer a select range of EU series sheet piles which conforms to standard specifications used in the North American market. ESC has been producing EU Series sheet piles globally for over 20 years. The design features interlocks that are located on one flange side of the neutral axis. The web is continuous, thus the section modulus and shear load transfer are optimised. The ESC-EU sheet pile features a durable ball and socket interlock. Each EU sheet pile is equivalent to a standard paired Z sheet pile but with half the number of interlocks improving the fluid cut-off performance. The profile design has a very competitive strength to weight ratio. Due to a deep profile, the design features a higher Inertia resulting in reduced deflection. This higher inertia offers the ability to choose higher steel grades for the most economical solution that meets serviceability requirements. The ESZ Sheet Piles conform to both BS EN 10249-1 & 10249-2.



Section	Width w	Height h	Thickness		Cross Sectional Area	Weight		Elastic Section Modulus	Plastic Section Modulus	Moment of Inertia	Coating Area (both side per pile)	Class as per EN 1995-3		
			Flange ( <i>t<sub>f</sub></i> )	Web ( <i>t<sub>w</sub></i> )		Per Pile	Per Wall					Gr 42	Gr 50	Gr 60
	in <i>mm</i>	in <i>mm</i>	in <i>mm</i>	in <i>mm</i>	in <sup>2</sup> /ft <i>cm<sup>2</sup>/m</i>	lb/ft <i>kg/m</i>	lb/ft <sup>2</sup> <i>kg/m<sup>2</sup></i>	in <sup>3</sup> /ft <i>cm<sup>3</sup>/m</i>	in <sup>3</sup> /ft <i>cm<sup>3</sup>/m</i>	in <sup>4</sup> /ft <i>cm<sup>4</sup>/m</i>	ft <sup>2</sup> /ft <i>m<sup>2</sup>/m</i>			
EU14-770	60.63 <i>1540</i>	15.83 <i>402</i>	0.375 <i>9.525</i>	0.375 <i>9.525</i>	5.78 <i>122.5</i>	99.5 <i>148.1</i>	19.7 <i>96.1</i>	26.8 <i>1440</i>	33.1 <i>1780</i>	223.7 <i>30640</i>	12.83 <i>3.91</i>	3	3	4
EU19-700	55.12 <i>1400</i>	18.78 <i>477</i>	0.375 <i>9.525</i>	0.375 <i>9.525</i>	6.38 <i>135.1</i>	99.5 <i>148.1</i>	21.7 <i>106.0</i>	35.9 <i>1930</i>	42.6 <i>2290</i>	339.3 <i>46480</i>	12.86 <i>3.92</i>	3	3	4
EU26-700	55.12 <i>1400</i>	18.90 <i>480</i>	0.5 <i>12.7</i>	0.5 <i>12.7</i>	8.54 <i>180.9</i>	133.6 <i>198.8</i>	29.1 <i>142.0</i>	48.5 <i>2610</i>	57.7 <i>3100</i>	460.0 <i>63010</i>	12.95 <i>3.95</i>	2	3	3
EU38-700	55.12 <i>1400</i>	24.13 <i>613</i>	0.5 <i>12.7</i>	0.5 <i>12.7</i>	9.85 <i>208.6</i>	154.0 <i>229.2</i>	33.5 <i>163.8</i>	72.5 <i>3900</i>	85.2 <i>4580</i>	873.8 <i>119700</i>	14.93 <i>4.55</i>	3	3	3
EU48-700	55.12 <i>1400</i>	25.75 <i>654</i>	0.625 <i>15.875</i>	0.625 <i>15.875</i>	12.13 <i>257</i>	189.8 <i>282.4</i>	41.3 <i>201.7</i>	88.2 <i>4740</i>	106.6 <i>5730</i>	1132.1 <i>155080</i>	14.93 <i>4.55</i>	2	2	2
EU50-580	45.67 <i>1160</i>	28.03 <i>712</i>	0.5 <i>12.7</i>	0.5 <i>12.7</i>	11.88 <i>251.8</i>	154.0 <i>229.2</i>	40.5 <i>197.7</i>	94.5 <i>5080</i>	114.0 <i>6130</i>	1327.7 <i>181880</i>	14.96 <i>4.56</i>	2	2	3

**Steel Grades** - ASTM A572 Gr 42, Gr50 & Gr60

**Length** - 10ft to 60ft. Can be spliced to greater lengths. Can also be produced to project specific lengths

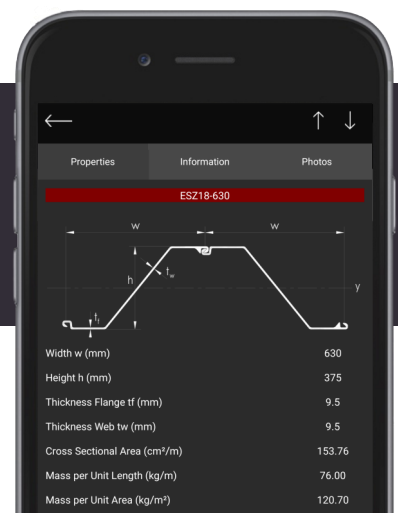
**Delivery Options** - Supplied in singles or paired. Pairs either loose, welded or crimped. Can be supplied with Lifting Hole. Shipping by container (38.7ft or less) or Break Bulk. Corrosion Protection Coatings are an option.



### Get in Touch:

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Revision 1, Q1 2017



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