



### ESC U - PILE SERIES

Section	Class <sup>1</sup>	Dimension (mm) <sup>2</sup>			Coating Area <sup>3</sup> m <sup>2</sup> /m	Mass			Section Area			Elastic Section Modulus		Moment Of Inertia	
		w	h	t		Single	Double	Per m of Wall	Single	Double	Per m of Wall	Double	Per m of Wall	Double	Per m of Wall
						kg/m	kg/m	kg/m <sup>2</sup>	cm <sup>2</sup>	cm <sup>2</sup>	cm <sup>2</sup> /m	cm <sup>3</sup>	cm <sup>3</sup> /m	cm <sup>4</sup>	cm <sup>4</sup> /m
ESC 6U	2	535	258	6.5	2.61	38.7	77.4	72.3	49.3	98.5	92.1	642	600	8,228	7,690
ESC 9U	2	450	341	6.5	3.10	38.7	77.4	86.1	49.4	98.7	109.7	810	900	13,752	15,280
ESC 12U	2	595	426	8.0	2.91	58.2	116.4	97.8	74.1	148.3	124.6	1,071	900	30,321	25,480
ESC 15U	2	525	495	8.0	3.30	58.2	116.4	110.9	74.2	148.3	141.3	1,575	1,500	38,829	36,980
ESC 18U	2	470	498	8.0	3.68	58.2	116.4	123.8	74.1	148.2	157.7	1,692	1,800	42,065	44,750
ESC 16U	2	750	453	10.0	2.77	88.9	177.8	118.5	113.2	226.4	151.0	2,415	1,610	54,825	36,550
ESC 18U-2	2	710	511	10.0	2.93	88.9	177.8	125.2	113.2	226.5	159.5	2,556	1,800	66,087	46,540
ESC 20U	2	675	542	10.0	3.08	88.9	177.8	131.7	113.2	226.5	167.8	2,700	2,000	73,022	54,090
ESC 25U	2	590	579	10.0	3.52	88.9	177.8	150.6	113.2	226.4	191.8	2,962	2,510	87,084	73,800
ESC 25U-2	2	765	587	12.0	2.98	112.5	225	146.9	143.2	286.3	187.1	3,840	2,510	112,899	73,790
ESC 32U	2	670	636	12.0	3.40	112.5	225	168.0	143.4	286.8	214.0	4,288	3,200	136,238	101,670
ESC 38U	2	590	684	12.0	3.86	112.5	225	190.6	143.3	286.5	242.8	4,508	3,820	154,297	130,760
ESC 45U	2	515	724	12.0	4.42	112.5	225	218.3	143.2	286.4	278.1	4,666	4,530	168,899	163,980
ESC 50U	2	470	731	12.0	4.85	112.5	225	239.2	143.2	286.4	304.7	4,738	5,040	173,176	184,230

**NOTES:**

<sup>1</sup> Cross section class defined as per Euro Code EN 1993-5:2007 ; Class 2 sections may be used with plastic design.

<sup>2</sup> Dimension and structural properties may be varied at client's request to suit specific requirements.

<sup>3</sup> Coating area for both sides of piles measured per linear metre of wall ; For single side painting, divide value by 2.

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