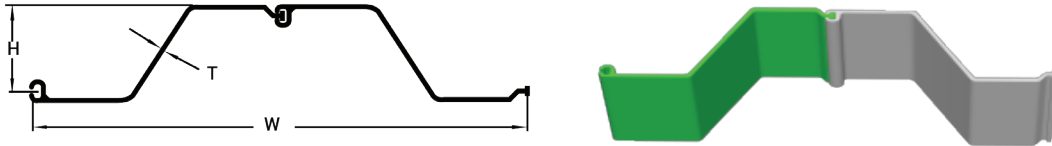


ESC-GC458-FR
ESC COMPOSITE SHEET PILE



	IMPERIAL		METRIC	
	UNIT	VALUE	UNIT	VALUE
Section width (W)	in	18.0	mm	457
Section depth (H)	in	8.0	mm	203
Thickness (T)	in	0.25	mm	6.4
Cross-section area	in ²	6.6	cm ²	42.6
Section modulus	in ³ /ft	12.9	cm ³ /m	696
Moment of inertia	in ⁴ /ft	51.79	cm ⁴ /m	7,072
Allowable moment	ft-kips/ft	14.61	kNm/m	65
Ultimate moment	ft-kips/ft	29.41	kNm/m	130.8
EI stiffness	ibf-in ² *10 ⁶ /ft	235.6	kNm ² /m	2,218
Ultimate Stiffness	ibf-in ² *10 ⁶ /ft	294.5	kNm ² /m	2,773
Impact strength Charpy test	ft-lbs/ft ²	≥ 14.3	kJ/m ²	≥30
Weight Per Pile	lb/ft	6.14	kg/m	9.1
Weight Per Pile	lb/ft ²	4.10	kg/m ²	20.0

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ESC-GC510-FR ESC COMPOSITE SHEET PILES



	IMPERIAL		METRIC	
	UNIT	VALUE	UNIT	VALUE
Section width (W)	in	20.0	mm	508
Section depth (H)	in	10.0	mm	254
Thickness (T)	in	0.34	mm	8.7
Cross-section area	in ²	11.21	cm ²	72.3
Section modulus	in ³ /ft	22.7	cm ³ /m	1,219
Moment of inertia	in ⁴ /ft	113.37	cm ⁴ /m	15,481
Allowable moment	ft-kips/ft	34.19	kNm/m	152.1
Ultimate moment	ft-kips/ft	68.81	kNm/m	306.1
EI stiffness	ibf-in ² *10 ⁶ /ft	515.8	kNm ² /m	4,856
Ultimate Stiffness	ibf-in ² *10 ⁶ /ft	644.7	kNm ² /m	6,070
Impact strength Charpy test	ft-lbs/ft ²	≥ 14.3	kJ/m ²	≥30
Weight Per Pile	lb/ft	9.15	kg/m	13.6
Weight Per Wall	lb/ft ²	5.49	kg/m ²	26.8

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ESC-GC610-FR
ESC COMPOSITE SHEET PILES



	IMPERIAL		METRIC	
	UNIT	VALUE	UNIT	VALUE
Section width (W)	in	14	mm	356
Section depth (D)	in	14	mm	356
Thickness (T)	in	0.43	mm	10.9
Cross-section area	in ²	16.6	cm ²	107.1
Section modulus	in ³ /ft	37.1	cm ³ /m	1,994
Moment of inertia	in ⁴ /ft	259.92	cm ⁴ /m	35,494
Allowable moment	ft-kips/ft	78.95	kNm/m	351.2
Ultimate moment	ft-kips/ft	158.9	kNm/m	706.8
EI stiffness	ibf-in ² *10 ⁶ /ft	1,182.5	kNm ² /m	11,134
Ultimate Stiffness	ibf-in ² *10 ⁶ /ft	1,478.2	kNm ² /m	13,918
Impact strength Charpy test	ft-lbs/ft ²	≥ 14.3	kJ/m ²	≥30
Weight Per Pile	lb/ft	13.4	kg/m	19.9
Weight Per Wall	lb/ft ²	6.7	kg/m ²	32.7

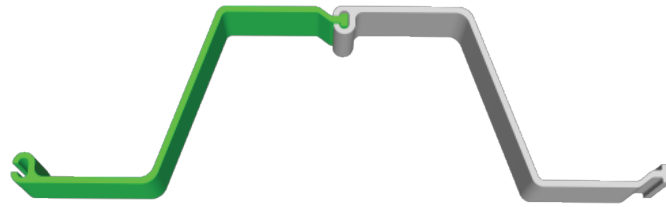
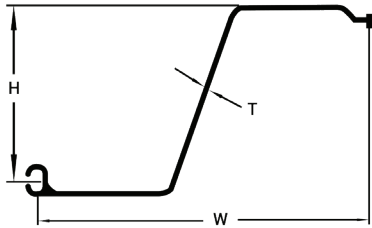
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ESC-GC760-FR ESC COMPOSITE SHEET PILES



	IMPERIAL		METRIC	
	UNIT	VALUE	UNIT	VALUE
Section width (W)	in	30.0	mm	762
Section depth (H)	in	17.0	mm	432
Thickness Web/Flange	in	0.54	mm	13.7
Cross-section area	in ²	24.65	cm ²	159.0
Section modulus	in ³ /ft	58.2	cm ³ /m	3,130
Moment of inertia	in ⁴ /ft	494.88	cm ⁴ /m	67,580
Allowable moment	ft-kips/ft	80.75	kNm/m	359.2
Ultimate moment	ft-kips/ft	162.51	kNm/m	722.9
EI stiffness	ibf-in ² *10 ⁶ /ft	1,746.7	kNm ² /m	16,446
Ultimate Stiffness	ibf-in ² *10 ⁶ /ft	2,183.3	kNm ² /m	20,557
Impact strength Charpy test	ft-lbs/ft ²	≥ 14.3	kJ/m ²	≥30
Weight Per Pile	lb/ft	21.5	kg/m	32.0
Weight Per Pile	lb/ft ²	8.6	kg/m ²	42.0

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