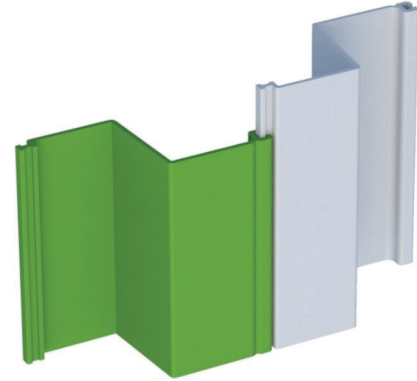
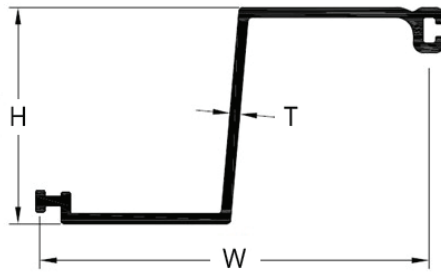


## ESC-GW458-10.4 VINYL Z PROFILE



	IMPERIAL		METRIC	
	UNIT	VALUE	UNIT	VALUE
Section width (W)	in	18	mm	458
Section depth (H)	in	10	mm	254
Thickness (T)	in	0.41	mm	10.4
Cross-section area	in <sup>2</sup>	13.6	cm <sup>2</sup>	87.7
Section modulus	in <sup>3</sup> /ft	28.7	cm <sup>3</sup> /m	1542
Moment of inertia	in <sup>4</sup> /ft	151.7	cm <sup>4</sup> /m	20718
Allowable moment	ft-kips/ft	7.6	kNm/m	33.9
Ultimate moment	ft-kips/ft	15.2	kNm/m	67.8
Ultimate stiffness	ibf-in <sup>2</sup> *10 <sup>6</sup> /ft	57.2	kNm <sup>2</sup> /m	538.7
Impact strength Charpy test	ft-lbs/ft <sup>2</sup>	≥ 14.3	kJ/m <sup>2</sup>	≥30
Weight Per Pile	lb/ft	8.47	kg/m	12.6
Weight Per Wall	lb/ft <sup>2</sup>	5.65	kg/m <sup>2</sup>	27.6

\*Safety factor = 2

Tolerance in accordance with the State technical assessment.

### ESC STEEL LLC



Pietrucha ESC Inc.

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