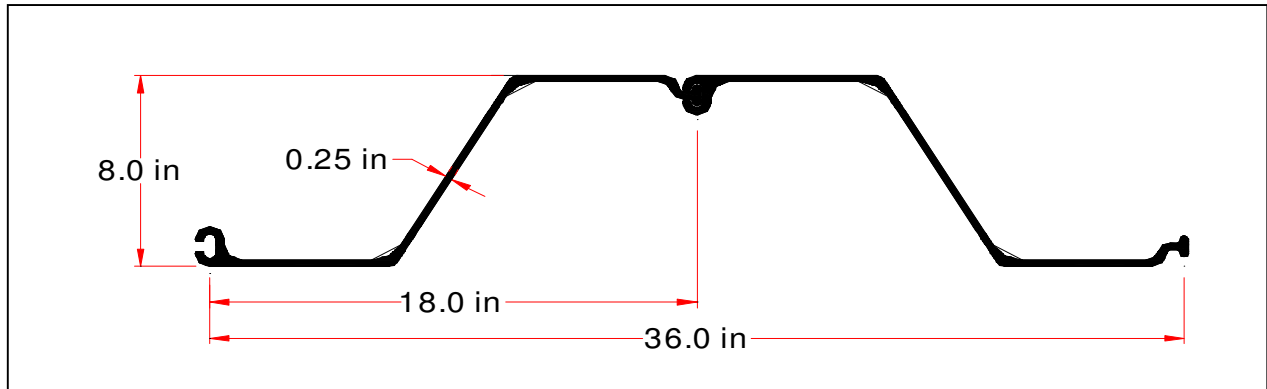


AL - Along length of sheet pile

AWS - Along width of sheet pile

Property	Symbol	Units	Results	ASTM Test Method
<i>Flexural Stress:</i>				
Ultimate (AL)	$\sigma_{ult AL}$	psi	90,000	D 790-03
Recommended Allowable Stress(AL)	$\sigma_{all AL}$	psi	25,000	-----
Modulus of Elasticity (AL)	$E_{AL}$	psi	3,500,000	D 790-03
Ultimate (AWS)	$\sigma_{ult AWS}$	psi	29,000	D 790-03
Modulus of Elasticity (AWS)	$E_{AWS}$	psi	1,900,000	D 790-03
Max. Allowable Moment	$M_{max}$	ft-lb/ft	27,000	-----
<i>Tensile Stress:</i>				
Ultimate (AL)	$\sigma_{ult AL}$	psi	77,000	D 638-03
Recommended Allowable Stress(AL)	$\sigma_{all AL}$	psi	25,000	-----
Modulus of Elasticity (AL)	$E_{AL}$	psi	5,000,000	D 638-03
Ultimate (AWS)	$\sigma_{ult AWS}$	psi	9,000	D 638-03
Modulus of Elasticity (AWS)	$E_{AWS}$	psi	3,200,000	D 638-03
<i>Shear Stress:</i>				
Ultimate (AL)	$T_{ult AL}$	psi	5,500	D 3846-02
Recommended Allowable Stress(AL)	$T_{all AL}$	psi	2,200	-----
Ultimate (AWS)	$\sigma_{ult AWS}$	psi	5,400	D 3846-02



<i>Properties of Sheet Pile:</i>				
Width	W	inches	18	-----
Depth	D	inches	8	-----
Thickness	t	inches	0.25	-----
Section Modulus	Z	in <sup>3</sup> /ft	13	-----
Moment of Inertia	I	in <sup>4</sup> /ft	52	-----
Radius of Gyration (pair)	r	inches	3.29	-----
Area of Web	$A_w$	in <sup>2</sup>	2.3	-----

The values shown are averages and may vary. No warranties of any kind are made as to the suitability of ESP sheet piling for particular applications



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