



Available Grades: ASTM A572 Gr. 50 and 60, A588 and A690

Dimensions and Properties

Section	Width ⁺	Web Thickness ⁺	Weight		Moment of Inertia		Section Modulus		Nominal Coating Area*
	in.	in.	lb/ft	lb/ft ²	in ⁴	in ⁴ /wft	in ³	in ³ /wft	ft ² /lft
	mm	mm	kg/lm	kg/m ²	cm ⁴	cm ⁴ /wm	cm ³	cm ³ /wm	m ² /lm
PS 27.5	19.69	0.40	45.1	27.5	5.0	3.0	3.2	1.9	3.64
	500	10.2	67.1	134.2	207	414	52	103	1.11
PS 31	19.69	0.50	50.9	31.0	5.0	3.0	3.2	1.9	3.64
	500	12.7	75.7	151.4	207	414	52	103	1.11

*Values stated are nominal.

Both sides of sheet: excludes interior of interlock.

Grade	Minimum Interlock Strength(1)	Minimum Swing (2)
A328	16 kips/in. (2,800 kN/m)	10 degrees
A572-50	20 kips/in. (3,500 kN/m)	10 degrees
A572-60	24 kips/in. (4,200 kN/m)	10 degrees

Higher interlock strengths are available but obtainable swing may be reduced in interlock strengths above 24 kips/in (4,200 kN/m).

(1) These minimum ultimate interlock strengths assume proper interlocking of sheets. To verify the strength of PS sheet piling, both yielding of the web and failure of the interlock should be considered.

(2) Swing reduces 1.5 degrees for each 10 feet (3 meters) in length over 70 feet (21 meters).