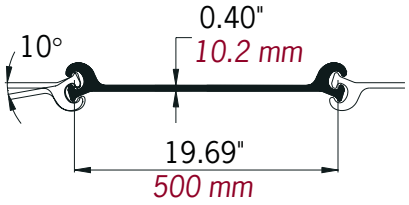
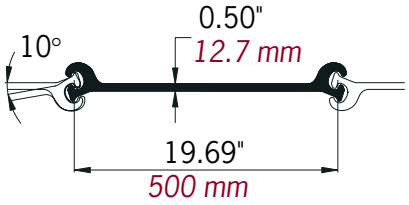
CHAPARRAL

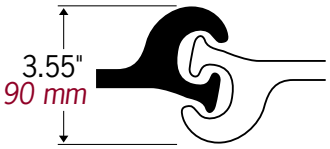
PS (FLAT SHEET) PILING PROPERTIES

PS 27.5



PS 31





Section	Nominal Width in. (mm)	Depth (Height) in. (mm)	Wall Depth (Height) in. (mm)	Web Thickness in. (mm)	Per Single Section: Area in.^{2} (cm^2)	Weight lbs/ft (kg/m)	Moment of Inertia in.^{4} (cm^4)	Section Modulus in.^{3} (cm^3)	Total Surface Area ft^2/ft (m^2/m)	Nominal Coating Area* ft^2/ft (m^2/m)	Per Unit of Wall: Area in.^{2}/ft (cm^2/m)	Weight lbs/ft^2 (kg/m^2)	Moment of Inertia in.^{4}/ft (cm^4/m)	Section Modulus in.^{3}/ft (cm^3/m)
PS 27.5	19.69	2.83	3.55	0.40	13.26	45.1	5.0	3.2	4.50	3.64	8.08	27.5	3.0	1.9
	500	*72*	*90*	*10.2*	*85.5*	*67.1*	*207*	*52*	*1.37*	*1.11*	*171.0*	*134.2*	*414*	*103*
PS 31	19.69	2.83	3.55	0.50	14.96	50.9	5.0	3.2	4.50	3.64	9.11	31.0	3.0	1.9
	500	*72*	*90*	*12.7*	*96.5*	*75.7*	*207*	*52*	*1.37*	*1.11*	*192.9*	*151.4*	*414*	*103*

*Excludes interior of interlock.

Proper Interlock

Improper 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
A572-65	24 kips/in. (4,200 kN/m)	10 degrees

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

NOTE: *INTERLOCKING OF CHAPARRAL PS SECTIONS WITH ANOTHER PRODUCER'S SECTION SHOULD NEVER BE CONSIDERED. PS and Z-Piling sections should not be interlocked together. Chaparral PS27.5 and PS31 can be interlocked with each other.*

[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).