

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/lft	lb/ft ²	in ⁴	in ⁴ /wft	in ³	in ³ /wft	
	mm	mm	kg/lm	kg/m ²	cm ⁴	cm ⁴ /wm	cm ³	cm ³ /wm	
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.

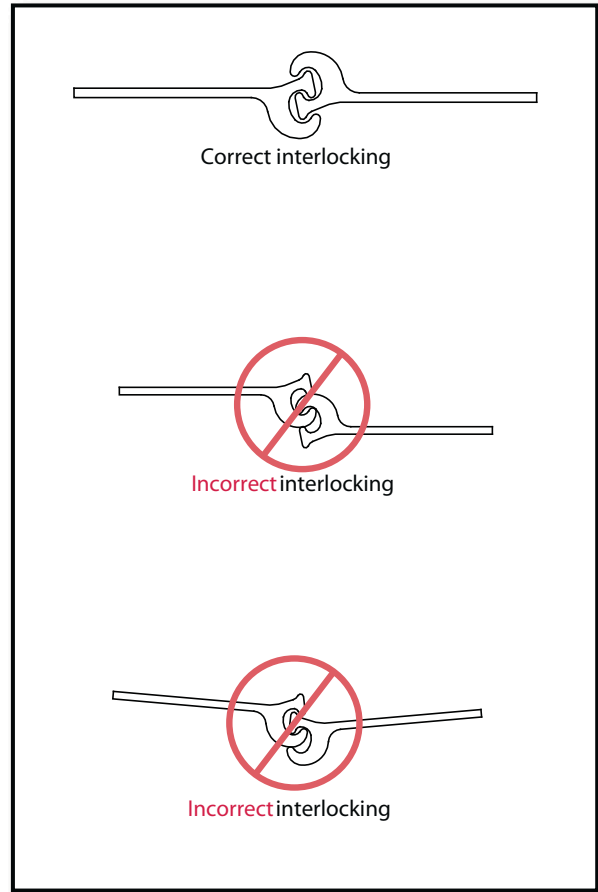
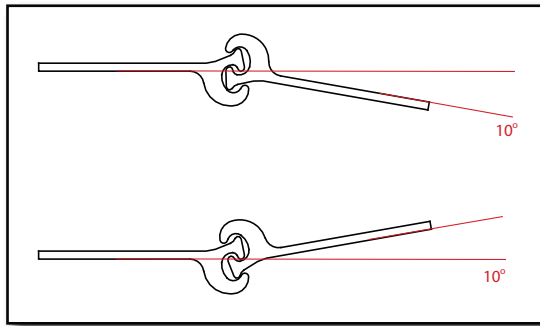
(2)Swing reduces 1.5 degrees for each 10 feet (3 meters) in length over 70 feet (21 meters).



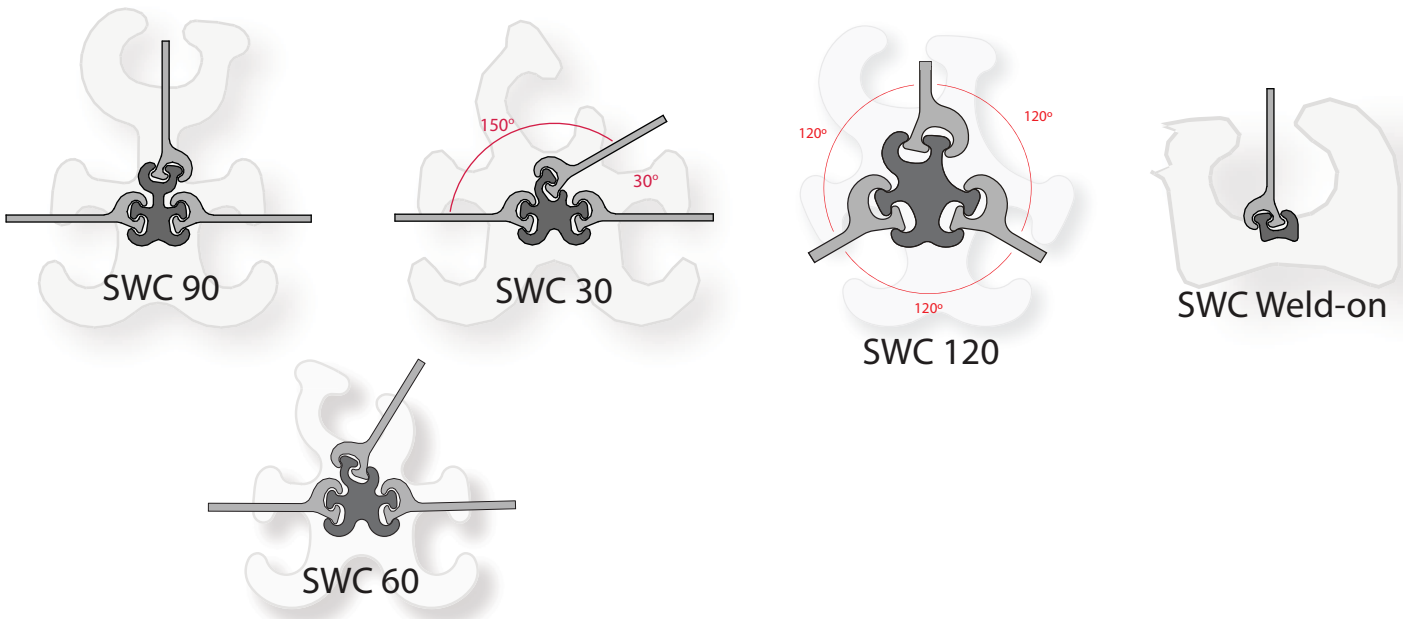
Sitrans Coal Transfer Facility, Mount Vernon, IN

PS Interlock

Per Gerdau's Sheet Piling Handbook (2006) PS 27.5 and PS 31 when properly interlocked, are designed to provide a swing up to 10 degrees (in either direction) for lengths up to 70 feet. The ability to obtain a full 10 degrees swing decreases with length because of the difficulty in handling the longer pieces. For lengths over 70 feet, it is necessary to anticipate a reduction in obtainable swing of 1.5 degrees for each 10 feet increase in length.



Extruded PS Connectors



L . B . Foster can also provide special fabricated corners and tees when required.