R.W. CONKLINSTEEL

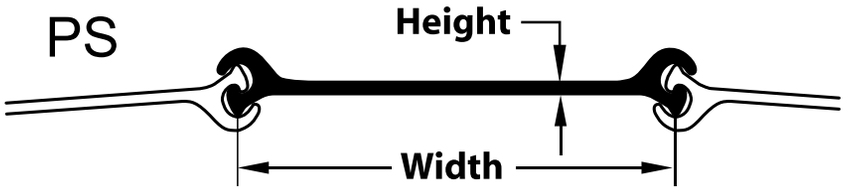
100% Melted & Manufactured in the USA

1-888-CONKLIN (266-5546)

www.conklinsteel.com

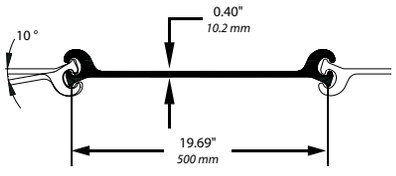
HOT ROLLED PS FLAT WEB SHEET PILING

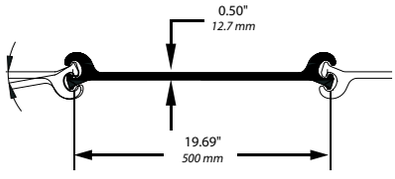
Specifications

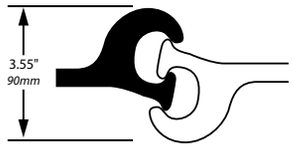


SECTION SIZE	NOMINAL WIDTH	DEPTH (HEIGHT)	WALL DEPTH (HEIGHT)	WEB THICKNESS	PER SINGLE SECTION: AREA	WEIGHT	MOMENT OF INERTIA	SECTION MODULUS	TOTAL SURFACE AREA	NOMINAL COATING AREA*	PER UNIT OF WALL: AREA	WEIGHT	MOMENT OF INERTIA	SECTION MODULUS
	in (mm)	in (mm)	in (mm)	in (mm)	in² (cm²)	lb/ft (kg/m)	in⁴ (cm⁴)	in³ (cm³)	ft²/ft (m²/m)	ft²/ft (m²/m)	in²/ft (cm²/m)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	in³/ft (cm³/m)
PS 27.5	19.69 *500*	2.83 *72*	3.55 *90*	0.40 *10.2*	13.26 *85.5*	45.1 *67.1*	5.0 *207*	3.2 *52*	4.50 *1.37*	3.64 *1.11*	8.08 *171.0*	27.5 *134.2*	3.0 *414*	1.9 *103*
PS 31	19.69 *500*	2.83 *72*	3.55 *90*	0.50 *12.7*	14.96 *96.5*	50.9 *75.7*	5.0 *207*	3.2 *52*	4.50 *1.37*	3.64 *1.11*	9.11 *192.9*	31.0 *151.4*	3.0 *414*	1.9 *103*

* Both sides of the sheet; excludes socket and ball of interlock.







PROPER INTERLOCK

IMPROPER INTERLOCK

AVAILABLE STEEL GRADES

SECTION SIZE	PS's: YIELD STRENGTH (ksi)	(MPa)	INTERLOCK STRENGTH (k/in)	(kN/m)	MAXIMUM SWING**	PZ's: YIELD STRENGTH (ksi)	(MPa)
A328	39	270	16	2800	10 Degrees	39	270
A572-50	50	345	20	3500	10 Degrees	50	345
A572-60	60	415	24	4200	10 Degrees	60	415
A588	65	450	24	4200	10 Degrees	65	450
A690	50	345	20	3500	10 Degrees	50	345

Higher interlock strengths are available but obtainable swing may be reduced in interlock strengths about 24 Kips/in. (4,200 Kn/m)

* The 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.

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

NOTE: Do not Interlock PS sections made by two different manufacturers. PS and Z-sheet piling should not be interlocked together. Only PS 27.5 and PS 31 can be interlocked with each other.