

R.W. CONKLINSTEEL

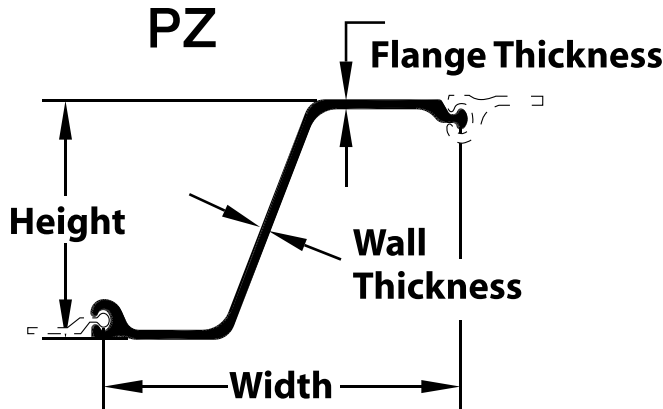
100% Melted & Manufactured in the USA

1-888-CONKLIN (266-5546)

www.conklinsteel.com

HOT ROLLED PZ SHEET PILING

Specifications



Sheet piling is unique product because it has a connection (or an "interlock") at both ends of the section. The interlocks connect together forming a continuous wall of sheeting. Sheet piling is classified in 2 applications: permanent and temporary.

In a permanent application, the sheet piling wall is driven into and remains in the ground. A temporary application provides access and safety for construction in a confined area. Once the work is completed, the sheet piling is removed.

SECTION SIZE					PER SINGLE SECTION						PER UNIT OF WALL			
	NOMINAL WIDTH	WALL DEPTH	WEB THICKNESS	FLANGE THICKNESS	AREA	WEIGHT	MOMENT OF INERTIA	SECTION MODULUS	TOTAL SURFACE AREA	NOMINAL COATING AREA*	AREA	WEIGHT	MOMENT OF INERTIA	SECTION MODULUS
	in (mm)	in (mm)	in (mm)	in (mm)	in ² (cm ²)	lb/ft (kg/m)	in ⁴ (cm ⁴)	in ³ (cm ³)	ft ² /ft (m ² /m)	ft ² /ft (m ² /m)	in ² /ft (cm ² /m)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)
PZ 22	22.00 559	9.25 235	0.375 9.5	0.375 9.5	12.20 78.7	41.5 61.8	156.0 6,495	33.7 555	4.96 1.51	4.46 1.36	6.65 140.9	22.6 110.6	85.1 11,620	18.4 990
PZ 27	18.00 457	12.10 307	0.375 9.5	0.375 9.5	12.20 78.7	41.5 61.8	281.0 11,695	46.4 760	4.96 1.51	4.46 1.36	8.13 172.2	27.7 135.1	187.3 25,580	31.0 1,660
PZ 35	22.64 575	15.10 384	0.500 12.7	0.605 15.4	19.40 125.2	66.0 98.2	697.1 29,015	92.3 1,515	5.83 1.78	5.33 1.62	10.28 217.7	35.0 170.8	369.5 50,455	48.9 2,635
PZ 40	19.69 500	16.40 417	0.500 12.7	0.600 15.2	19.28 124.4	65.6 97.6	824.8 34,330	100.6 1,650	5.83 1.78	5.33 1.62	11.75 248.7	40.0 195.2	502.7 68,645	61.3 3,300

All dimensions given are nominal. Actual flange and web thicknesses vary due to mill rolling practices; however, permitted variations for such dimensions are not addressed.

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

Z-PROFILES (PZC & PZ)

Z-profiles, with their optimum distribution of material, are the most efficient sheet piling sections available for bending strength. With the interlocks located on the outer fibers of the wall — rather than at the center line, as is the case with Arch or U-Profile sheet piling sections, the wall designer is assured of the published section modulus. The Z-Profile is optimal for both weight and strength.

The Interlock

The Ball-and-Socket Interlock was introduced in the USA in the late 1930's and continues to be the preferred interlock.

The Benefits:

- Most rugged, durable and flexible interlock available
- Highest interlock strength relative to other Z-Profiles
- Ideal for reuse in multiple projects
- Easier for setting, driving, and extraction
- Higher "buy back/ resale" value
- Flexibility when setting — allows adjustment to wall length by swinging (rotating sheets)