

# R.W. CONKLINSTEEL

100% Melted & Manufactured in the USA

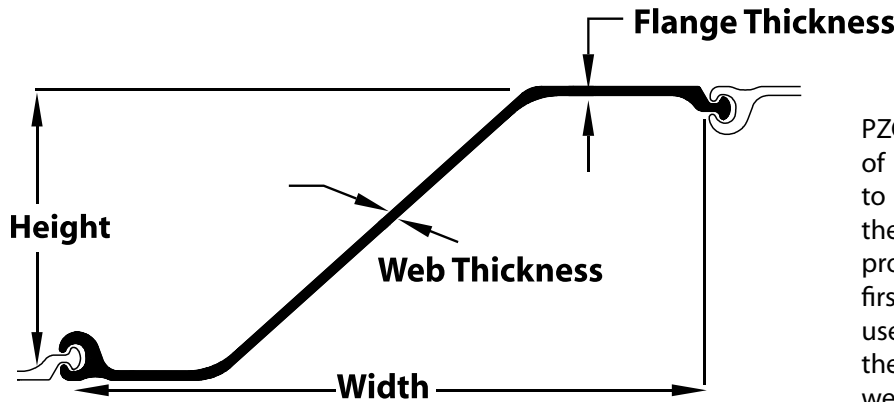
1-888-CONKLIN (266-5546)

www.conklinsteel.com



# HOT ROLLED PZC SHEET PILING

## Specifications

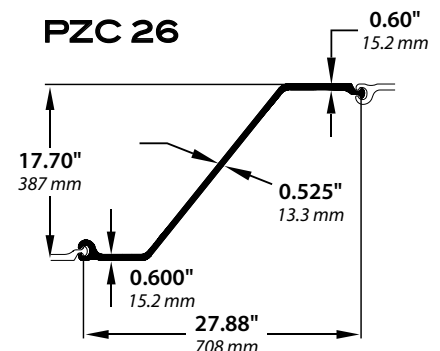
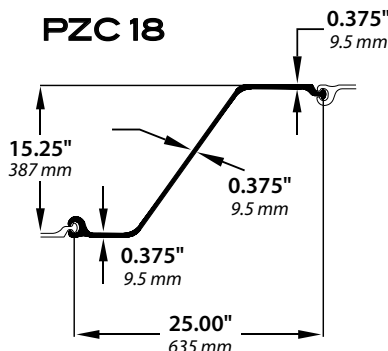
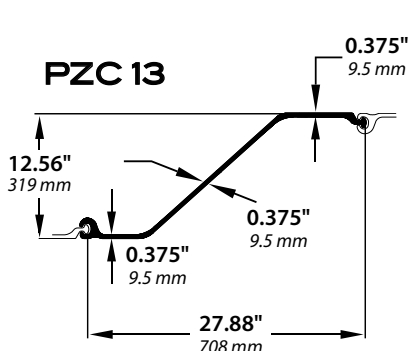


PZC sections are the "latest generation" of sheet piling profiles, and were developed to be lighter, wider, and stronger than the older traditional PZ sections. PZC profiles should always be the designer's first choice in order to provide the end user the most efficient retention wall with the most efficient ratio of section modulus to weight.

SECTION SIZE					PER SINGLE SECTION						PER UNIT OF WALL			
	NOMINAL WIDTH	WALL DEPTH (HEIGHT)	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 <sup>2</sup> (cm <sup>2</sup> )	lb/ft (kg/m)	in <sup>4</sup> (cm <sup>4</sup> )	in <sup>3</sup> (cm <sup>3</sup> )	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	ft <sup>2</sup> /ft (m <sup>2</sup> /m)	in <sup>2</sup> /ft (cm <sup>2</sup> /m)	lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	in <sup>3</sup> /ft (cm <sup>3</sup> /m)	in <sup>3</sup> /ft (cm <sup>3</sup> /m)
PZC 13	27.88 708	12.56 319	0.375 9.5	0.375 9.5	14.82 95.6	50.4 75.1	353.0 14,695	56.2 920	6.10 1.86	5.60 1.71	6.38 135.1	21.7 106.0	152.0 20,755	24.2 1,300
PZC 14	27.88 708	12.60 320	0.420 10.7	0.420 10.7	16.15 104.2	55.0 81.8	381.6 15,890	60.5 990	6.10 1.86	5.60 1.71	6.95 147.2	23.7 115.5	164.3 22,445	26.0 1,400
PZC 18	25.00 635	15.25 387	0.375 9.5	0.375 9.5	14.82 95.6	50.4 75.1	532.2 22,155	69.8 1,145	6.10 1.86	5.60 1.71	7.12 150.6	24.2 118.2	255.5 34,890	33.5 1,800
PZC 19	25.00 635	15.30 388	0.420 10.7	0.420 10.7	16.16 104.2	55.0 81.8	576.3 23,990	75.3 1,235	6.10 1.86	5.60 1.71	7.75 164.1	26.4 128.8	276.6 37,780	36.1 1,945
PZC 25	27.88 708	17.66 449	0.485 12.3	0.560 14.2	20.40 131.6	69.4 103.3	938.7 39,075	106.3 1,740	6.65 2.03	6.15 1.87	8.78 185.9	29.9 145.9	404.1 55,190	45.7 2,455
PZC 26	27.88 708	17.70 450	0.525 13.3	0.600 15.2	21.72 140.1	73.9 110.0	994.3 41,390	112.4 1,840	6.65 2.03	6.15 1.87	9.35 197.9	31.8 155.4	428.1 58,460	48.4 2,600
PZC 28	27.88 708	17.75 451	0.570 14.5	0.645 16.4	23.22 149.8	79.0 117.6	1,057.1 44,000	119.1 1,950	6.65 2.03	6.15 1.87	10.00 211.6	34.0 166.1	455.1 62,145	51.3 2,755
PZC 37	22.50 572	21.02 534	0.488 12.4	0.563 14.3	20.45 132.0	69.6 103.6	1,349.2 56,160	128.4 2,104	6.65 2.03	6.15 1.87	10.91 230.9	37.1 181.2	719.6 98,267	68.5 3,681
PZC 39	22.50 572	21.05 535	0.525 13.3	0.600 15.2	21.76 140.4	74.0 110.2	1,428.9 59,475	135.6 2,223	6.65 2.03	6.15 1.87	11.61 245.6	39.5 192.8	762.1 104,068	72.3 3,889
PZC 41	22.50 572	21.09 536	0.561 14.2	0.636 16.2	23.03 148.6	78.4 116.6	1,506.8 62,716	142.7 2,339	6.65 2.03	6.15 1.87	12.28 260.0	41.8 204.1	803.6 109,739	76.1 4,092

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.



NOTE: Higher section modulus profiles are under development.

All calculations and information should be double-checked by a qualified engineer.

# R.W. CONKLINSTEEL

100% Melted & Manufactured in the USA

1-888-CONKLIN (266-5546)

www.conklinsteel.com

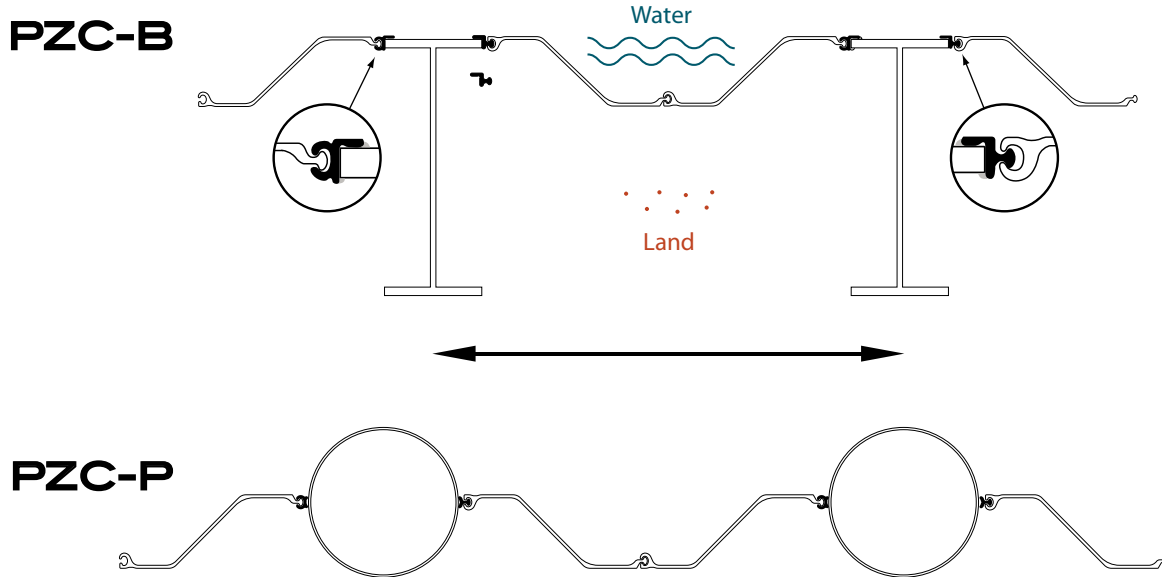


## HOT ROLLED PZC SHEET PILING

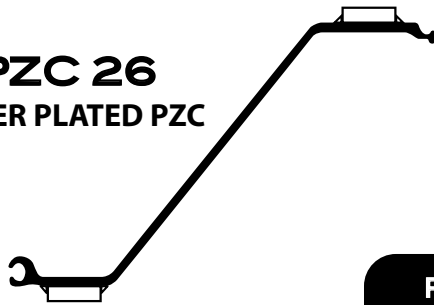
### Specifications

## PZC HIGH SECTION MODULUS SYSTEMS

PZC High Section Modulus systems are combinations of beams (PZC-B) or pipe (PZC-P) with PZC sheet piling designed to achieve higher section modulus requirements. The main load-carrying elements are the beams or pipe. The intermediate sheet piling, along with extruded connectors, serves to close the face of the wall.



**PZC 26**  
COVER PLATED PZC



### COVER PLATED PZC 26 TO OBTAIN HIGHER SECTION MODULI

SECTION SIZE	PER SINGLE SECTION						PER UNIT OF WALL				
	NOMINAL WIDTH	PLATE SIZE	AREA	WEIGHT	TOTAL SURFACE AREA	NOMINAL COATING AREA*	PLATE FULL LENGTH	PLATE HALF LENGTH	MOMENT OF INERTIA	SECTION MODULUS	
	in (mm)	in (mm)	in <sup>2</sup> (mm <sup>2</sup> )	lb/ft (kg/m)	ft <sup>2</sup> /lin. ft (m <sup>2</sup> /m)	ft <sup>2</sup> /lin. ft (m <sup>2</sup> /m)	lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	in <sup>4</sup> /lin. ft (cm <sup>4</sup> /m)	in <sup>3</sup> /ft (cm <sup>3</sup> /m)	
<b>PZC 37-CP</b> (PZC 26)	27.88 708	3.5 x 0.9375 89x24	28.28 182.5	96.2 143.1	6.96 2.12	6.46 1.97	41.4 202.2	36.6 178.7	673.3 91,900	68.8 3,700	
<b>PZC 39-CP</b> (PZC 26)	27.88 708	3.5 x 1.125 89x29	29.60 190.6	100.6 149.7	7.03 2.14	6.53 1.99	43.3 211.6	37.6 183.4	728.3 99,500	73.0 3,930	
<b>PZC 41-CP</b> (PZC 26)	27.88 708	3.5 x 1.25 89x32	30.47 196.6	103.6 154.2	7.07 2.15	6.57 2.00	44.6 217.8	38.2 186.6	766.1 104,600	75.8 4,080	

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.

**NOTE:** Best economy is obtained when plate length is limited to area of high moment. Cover plate length depends upon moment curve. Fillet weld should be sized to adequately resist design loads. Weld requirements should be specified by design engineer.

All calculations and information should be double-checked by a qualified engineer.