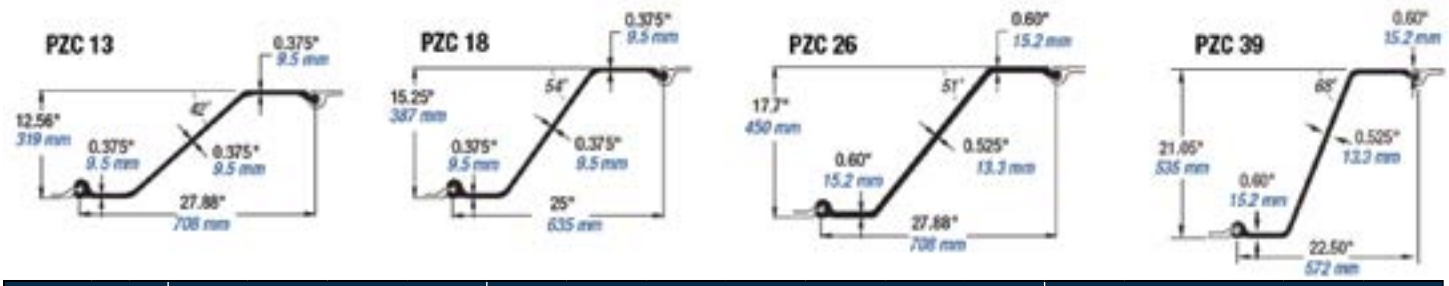
PZC HOT ROLLED SHEET PILE SERIES

MADE IN USA



JD FIELDS & COMPANY, INC. A FIELDS COMPANY			Minimum Grade 60 Standard				Per Single Section							Per Unit of Wall				
			Nominal Width	Wall Depth (Height)	Web Thickness	Flange Thickness	Cross Sectional Area	Weight	Moment of Inertia	Elastic Section Modulus	Plastic Section Modulus	Total Surface Area	Nominal Coating Area*	Cross Sectional Area	Weight	Moment of Inertia	Elastic Section Modulus	Plastic Section Modulus
Section	DWG		in (mm)	in (mm)	in (mm)	in (mm)	in^2 (cm^2)	lbs/ft (kg/m)	in^4 (cm^4)	in^3 (cm^3)	in^3 (cm^3)	ft^2/ft (m^2/m)	ft^2/ft (m^2/m)	in^2/ft (cm^2/m)	lbs/ft^2 (kg/m^2)	in^4/ft (cm^4/m)	in^3/ft (cm^3/m)	in^3/ft (cm^3/m)
PZC 12	S	D	**27.88** 708	**12.52** 318	**0.335** 8.5	**0.335** 8.5	**13.64** 88.0	**46.4** 69.1	**324.5** 13,510	**51.8** 850	**61.51** 1,008	**6.1** 1.86	**5.6** 1.71	**5.87** 124.3	**20.0** 97.6	**139.7** 19,080	**22.3** 1,200	**26.47** 1,423
PZC 13	S	D	**27.88** 708	**12.56** 319	**0.375** 9.5	**0.375** 9.5	**14.82** 95.6	**50.4** 75.1	**353.0** 14,690	**56.2** 920	**66.93** 1,097	**6.1** 1.86	**5.6** 1.71	**6.38** 135.1	**21.7** 106.0	**152.0** 20,760	**24.2** 1,300	**28.81** 1,549
PZC 14	S	D	**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** **991**	**72.61** 1,190	**6.1** 1.86	**5.6** 1.71	**6.95** 147.2	**23.7** 115.5	**164.3** 22,440	**26.0** 1,400	**31.25** 1,680
PZC 17	S	D	**25.00** 635	**15.21** 386	**0.335** 8.5	**0.335** 8.5	**13.64** 88.0	**46.4** 69.1	**491.8** 20,470	**64.6** 1,060	**76.04** 1,246	**6.1** 1.86	**5.6** 1.71	**6.55** 138.6	**22.3** 108.8	**236.1** 32,235	**31.0** 1,670	**36.5** 1,962
PZC 18	S	D	**25.00** 635	**15.25** 387	**0.375** 9.5	**0.375** 9.5	**14.82** 95.6	**50.4** 75.1	**532.2** 22,150	**69.8** 1,145	**82.2** 1,347	**6.1** 1.86	**5.6** 1.71	**7.12** 150.6	**24.2** 118.2	**255.5** 34,890	**33.5** 1,800	**39.46** 2,121
PZC 19	S	D	**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	**89.14** 1,461	**6.1** 1.86	**5.6** 1.71	**7.75** 164.1	**26.4** 128.8	**276.6** 37,780	**36.1** 1,945	**42.79** 2,301
PZC 25	S	D	**27.88** 708	**17.66** 449	**0.485** 12.3	**0.560** 14.2	**20.40** 131.6	**69.4** 103.3	**938.7** 39,070	**106.3** 1,740	**126.77** 2,077	**6.65** 2.03	**6.15** 1.87	**8.78** 185.9	**29.9** 145.9	**404.1** 55,190	**45.7** 2,455	**54.56** 2,933
PZC 26	S	D	**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	**134.46** 2,203	**6.65** 2.03	**6.15** 1.87	**9.35** 197.9	**31.8** 155.4	**428.1** 58,460	**48.4** 2,600	**57.89** 3,112
PZC 28	S	D	**27.88** 708	**17.75** 451	**0.570** 14.5	**0.645** 16.4	**23.22** 149.8	**79.0** 117.6	**1,057** 44,000	**119.1** 1,950	**143.07** 2,344	**6.65** 2.03	**6.15** 1.87	**10.00** 211.6	**34.0** 166.1	**455.1** 62,150	**51.3** 2,755	**61.58** 3,311
PZC 37	S	D	**22.50** 572	**21.01** 534	**0.485** 12.3	**0.560** 14.2	**20.44** 131.9	**69.6** 103.6	**1,352** 56,270	**128.7** 2,109	**152.3** 2,496	**6.75** 2.06	**6.3** 1.92	**10.90** 230.7	**37.1** 181.2	**721.1** 98,470	**68.6** 3,688	**81.20** 4,366
PZC 39	S	D	**22.50** 572	**21.05** 535	**0.525** 13.3	**0.600** 15.2	**21.83** 140.8	**74.3** 110.6	**1,436** 59,770	**136.4** 2,235	**162.0** 2,655	**6.76** 2.06	**6.3** 1.92	**11.64** 246.4	**39.6** 193.5	**765.9** 104,590	**72.7** 3,909	**86.40** 4,645
PZC 41	S	D	**22.50** 572	**21.09** 536	**0.562** 14.3	**0.637** 16.2	**23.10** 149.0	**78.6** 117.0	**1,512** 62,930	**143.4** 2,350	**170.8** 2,799	**6.76** 2.06	**6.3** 1.92	**12.32** 260.8	**41.9** 204.7	**806.4** 110,120	**76.5** 4,113	**91.10** 4,898

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 sheet; excludes interior of interlock.

Manufactured to ASTM A6 specifications.

ASTM DESIGNATION**	YIELD STRENGTH ksi	YIELD STRENGTH MPa	APPLICATION
A572	**60**	**415**	**Mill Standard Produced**
A588	50	345	Atmospheric Corrosion
A690	50	345	Marine Environment

PZC HOT ROLLED SHEET PILE SERIES

MADE IN USA

SPECIFICATIONS

Gerdau Steel Grades for PZC and PS Profiles

North American Grades		
ASTM	Yield Strength	
	(ksi)	(MPa)
A 328	39	270
A 572 Grade 50	50	345
A 572 Grade 60	60	415
A 572 Grade 65	65	450
A 690*	50	345

European Grades		
EN 10248	Yield Strength	
	(ksi)	(MPa)
S 240 GP	35	240
S 270 GP	39	270
S 355 GP	51	355
S 430 GP	62	430
S 450 GP	65	450

* A690 contains specified levels of Ni, Cu, and P at higher levels than the other listed grades on the table.

A572 Grade 60 and S 355 GP are the most economical and readily available grades. Please inquire for minimum order requirements for other grades.

	ASTM A328	ASTM A572-50	ASTM A572-60	ASTM A572-65	ASTM A690
C %	**	0.23 max	0.26 max	0.23 max	0.22 max
Mn %	**	1.35 maxA	1.35 maxA	1.65 maxB	0.60 - 0.90C
P %	0.035 max	0.04 max	0.04 max	0.04 max	0.08 - 0.15
S %	0.04 max	0.05 max	0.05 max	0.05 max	0.04 max
Si %	**	0.40 max	0.40 max	0.40 max	0.40 max
Cu %	**	**	**	**	0.50 min
Ni %	**	**	**	**	0.40 - 0.75
Cr %	**	**	**	**	**
Mo %	**	**	**	**	**
Sn %	**	**	**	**	**
V %	**	0.010 -0.15*	0.010 -0.15*	0.010 -0.15*	**
Cb / Nb %	**	0.005 - 0.05*	0.005 - 0.05*	0.005 - 0.05*	**
Yield ksi [MPa]	39 min [270]	50 min [345]	60 min [415]	65 min [450]	50 min [345]
Tensile ksi [MPa]	65 min [450]	65 min [450]	75 min [520]	80 min [550]	70 min [485]
Elong %	17 @ 8 in.	18 @ 8 in.	16 @ 8 in.	15 @ 8 in.	18 @ 8 in.

*would contain singly or in combination, dependent on production type (1, 2 or 3)
**= not specified (Where **is shown for copper a minimum of 0.20 may be specified).
(A) For each reduction of 0.01% below C maximum, an increase of 0.06% Mn above specified maximum is permitted, up to a maximum of 1.50%.
(B) For material with thickness of 1/2" (13mm) or less, Mn maximum of 1.35% would apply when C is greater than 0.21%.
(C) For each reduction of 0.01% below C maximum, an increase of 0.06% Mn above specified maximum is permitted, up to a maximum of 1.10%.