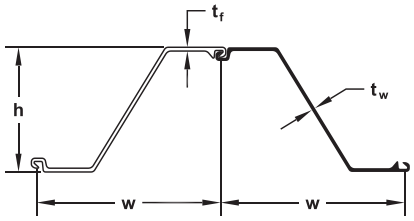
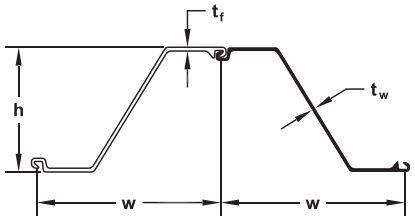
AZ HOT ROLLED STEEL SHEET PILE SERIES



JD FIELDS & COMPANY, INC. A FIELDS COMPANY					THICKNESS			WEIGHT		SECTION MODULUS			COATING AREA	
			Width (w)	Height (h)	Flange (t_f)	Web (t_w)	Cross Sec Area (A)	Single Pile	Wall Area	Elastic	Plastic	Moment of Inertia	Both Sides	Wall Surface
			in	in	in	in	in^2/ft	lb/ft	lb/ft^2	in^3/ft	in^3/ft	in^4/ft	ft^2/ft of single	ft^2/ft^2
SECTION	DWG		mm	mm	mm	mm	cm^2/m	kg/m	kg/m^2	cm^3/m	cm^3/m	cm^4/m	m^2/m	m^2/m^2
AZ 12-770	S	D	**30.31** 770	**13.52** 344	**0.335** 8.5	**0.335** 8.5	**5.67** 120.1	**48.78** 72.6	**19.31** 94.3	**23.2** 1245	**27.5** 1480	**156.9** 21430	**6.07** 1.85	**1.20** 1.20
AZ 13-770	S	D	**30.31** 770	**13.54** 344	**0.354** 9.0	**0.354** 9.0	**5.94** 125.8	**51.14** 76.1	**20.24** 98.8	**24.2** 1300	**28.8** 1546	**163.7** 22360	**6.07** 1.85	**1.20** 1.20
*AZ 14-770	S	D	**30.31** 770	**13.56** 345	**0.375** 9.5	**0.375** 9.5	**6.21** 131.5	**53.42** 79.5	**21.14** 103.2	**25.2** 1355	**30.0** 1611	**170.6** 23300	**6.07** 1.85	**1.20** 1.20
AZ 17-700	S	D	**27.56** 700	**16.52** 420	**0.335** 8.5	**0.335** 8.5	**6.28** 133.0	**49.12** 73.1	**21.38** 104.4	**32.2** 1730	**37.7** 2027	**265.3** 36230	**6.10** 1.86	**1.33** 1.33
AZ 18-700	S	D	**27.56** 700	**16.54** 420	**0.354** 9.0	**0.354** 9.0	**6.58** 139.2	**51.41** 76.5	**22.39** 109.3	**33.5** 1800	**39.4** 2116	**276.8** 37800	**6.10** 1.86	**1.33** 1.33
AZ 19-700	S	D	**27.56** 700	**16.56** 421	**0.375** 9.5	**0.375** 9.5	**6.88** 145.6	**53.76** 80.0	**23.35** 114.3	**34.8** 1870	**41.0** 2206	**288.4** 39380	**6.10** 1.86	**1.33** 1.33
AZ 20-700	S	D	**27.56** 700	**16.57** 421	**0.394** 10.0	**0.394** 10.0	**7.18** 152.0	**56.11** 83.5	**24.43** 119.3	**36.2** 1945	**42.7** 2296	**300.0** 40960	**6.10** 1.86	**1.33** 1.33
AZ 18-800	S	D	**31.5** 800	**17.68** 449	**0.335** 8.5	**0.335** 8.5	**6.07** 128.6	**54.26** 80.7	**20.67** 100.9	**34.2** 1840	**39.7** 2135	**302.6** 41320	**6.82** 2.08	**1.30** 1.30
*AZ 20-800	S	D	**31.5** 800	**17.72** 450	**0.375** 9.5	**0.375** 9.5	**6.66** 141.0	**59.50** 88.6	**22.67** 110.7	**37.2** 2000	**43.3** 2330	**329.9** 45050	**6.82** 2.08	**1.30** 1.30
AZ 22-800	S	D	**31.5** 800	**17.76** 451	**0.413** 10.5	**0.413** 10.5	**7.25** 153.5	**64.77** 96.4	**24.68** 120.5	**40.3** 2165	**47.0** 2525	**357.3** 48790	**6.82** 2.08	**1.30** 1.30
AZ 23-800	S	D	**31.50** 800	**18.66** 474	**0.453** 11.5	**0.354** 9.0	**7.12** 150.6	**63.56** 94.6	**24.22** 118.2	**43.3** 2330	**49.9** 2680	**404.6** 55260	**6.94** 2.11	**1.32** 1.32
*AZ 25-800	S	D	**31.50** 800	**18.70** 475	**0.492** 12.5	**0.394** 10.0	**7.71** 163.3	**68.91** 102.6	**26.26** 128.2	**46.5** 2500	**53.8** 2890	**435.1** 59410	**6.94** 2.11	**1.32** 1.32
AZ 27-800	S	D	**31.50** 800	**18.74** 476	**0.531** 13.5	**0.433** 11.0	**8.31** 176.0	**74.26** 110.5	**28.29** 138.1	**49.7** 2670	**57.6** 3100	**465.5** 63570	**6.94** 2.11	**1.32** 1.32
AZ 24-700	S	D	**27.56** 700	**18.07** 459	**0.441** 11.2	**0.441** 11.2	**8.23** 174.1	**64.30** 95.7	**28.00** 136.7	**45.2** 2430	**53.5** 2867	**408.8** 55820	**6.33** 1.93	**1.38** 1.38
*AZ 26-700	S	D	**27.56** 700	**18.11** 460	**0.480** 12.2	**0.480** 12.2	**8.84** 187.2	**69.12** 102.9	**30.10** 146.9	**48.4** 2600	**57.1** 3070	**437.3** 59720	**6.33** 1.93	**1.38** 1.38
AZ 28-700	S	D	**27.56** 700	**18.15** 461	**0.520** 13.2	**0.520** 13.2	**9.46** 200.2	**73.93** 110.0	**32.19** 157.2	**51.3** 2760	**60.9** 3273	**465.9** 63620	**6.33** 1.93	**1.38** 1.38
AZ 28-750	S	D	**29.53** 750.0	**20.04** 509.0	**0.472** 12.00	**0.394** 10.00	**8.09** 171.2	**67.73** 100.80	**27.53** 134.40	**52.3** 2810	**60.3** 3245	**523.9** 71540	**6.93** 2.11	**1.41** 1.41
AZ 30-750	S	D	**29.53** 750.0	**20.08** 510.0	**0.512** 13.00	**0.433** 11.00	**8.73** 184.7	**73.08** 108.80	**29.70** 145.00	**55.9** 3005	**64.8** 3485	**561.5** 76670	**6.93** 2.11	**1.41** 1.41
AZ 32-750	S	D	**29.53** 750.0	**20.12** 511.0	**0.551** 14.00	**0.472** 12.00	**9.37** 198.3	**78.44** 116.70	**31.88** 155.60	**59.5** 3200	**69.2** 3720	**599.0** 81800	**6.93** 2.11	**1.41** 1.41
AZ 36-700N	S	D	**27.56** 700	**19.65** 499	**0.591** 15.0	**0.441** 11.2	**10.20** 215.9	**79.72** 118.6	**34.71** 169.5	**66.8** 3590	**76.4** 4110	**656.2** 89610	**6.73** 2.05	**1.47** 1.47
*AZ 38-700N	S	D	**27.56** 700	**19.69** 500	**0.630** 16.0	**0.480** 12.2	**10.87** 230.0	**84.94** 126.4	**36.98** 180.6	**70.6** 3795	**81.1** 4360	**694.5** 94840	**6.73** 2.05	**1.47** 1.47
AZ 40-700N	S	D	**27.56** 700	**19.72** 501	**0.669** 17.0	**0.520** 13.2	**11.54** 244.2	**90.16** 134.2	**39.26** 191.7	**74.3** 3995	**85.7** 4605	**732.9** 100080	**6.73** 2.05	**1.47** 1.47
*AZ 42-700N	S	D	**27.56** 700	**19.65** 499	**0.709** 18.0	**0.551** 14.0	**12.22** 258.7	**95.51** 142.1	**41.59** 203.1	**78.2** 4205	**90.3** 4855	**768.4** 104930	**6.75** 2.06	**1.47** 1.47
AZ 44-700N	S	D	**27.56** 700	**19.69** 500	**0.748** 19.0	**0.591** 15.0	**12.89** 272.8	**100.74** 149.9	**43.87** 214.2	**81.9** 4405	**95.0** 5105	**806.6** 110150	**6.75** 2.06	**1.47** 1.47
AZ 46-700N	S	D	**27.56** 700	**19.72** 501	**0.787** 20.0	**0.630** 16.0	**13.56** 287.0	**105.97** 157.7	**46.14** 225.3	**85.7** 4605	**99.5** 5350	**844.9** 115370	**6.75** 2.06	**1.47** 1.47
AZ 48-700	S	D	**27.56** 700.0	**19.80** 503.0	**0.866** 22.00	**0.591** 15.00	**13.63** 288.4	**106.49** 158.50	**46.37** 226.40	**88.4** 4755	**102.1** 5490	**876.2** 119650	**6.70** 2.04	**1.46** 1.46
AZ 50-700	S	D	**27.56** 700.0	**19.84** 504.0	**0.906** 23.00	**0.630** 16.00	**14.30** 302.6	**111.73** 166.30	**48.65** 237.50	**92.2** 4955	**106.7** 5735	**914.6** 124890	**6.70** 2.04	**1.46** 1.46
AZ 52-700	S	D	**27.56** 700.0	**19.88** 505.0	**0.945** 24.00	**0.669** 17.00	**14.97** 317.0	**116.97** 174.10	**50.93** 248.70	**95.9** 5155	**111.3** 5985	**953.0** 130140	**6.70** 2.04	**1.46** 1.46

*Indicates standard stocking sections. Please check with your local sales representative for material availability.

AZ HOT ROLLED STEEL SHEET PILE SERIES

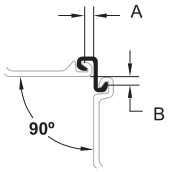


AVAILABLE STEEL GRADES

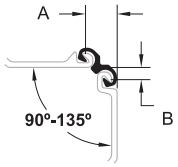
AMERICAN			CANADIAN			EUROPEAN			AMLoCor®**		
ASTM	Yield Strength		Grade	Yield Strength		Grade	Yield Strength		Grade	Yield Strength	
	ksi	MPa		ksi	MPa		ksi	MPa		ksi	MPa
A328	39	270	Grade 260 W	38	260	S240 GP	35	240	Blue 320	46	320
A572 Gr . 42	42	290	Grade 300 W	43	300	S270 GP	39	270	Blue 355	51	355
A572 Gr . 50	50	345	Grade 350 W	51	355	S320 GP	46	320	Blue 390	57	390
A572 Gr . 55	55	380	Grade 400 W	58	400	S355 GP	51	355			
A572 Gr . 60	60	415				S390 GP	57	390			
A572 Gr . 65	65	450				S430 GP	62	430			
A690	50	345				S460 GP	67	460			
A690	57*	390				S500 GP*	72	500			
A690	60*	415									

Highlighted fields represent the most commonly used and readily available steel grades. *On request ** Corrosion resistant steel; check for availability.

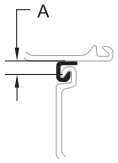
CORNER PILES



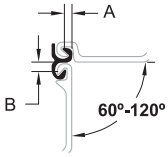
C 14
Gr: S355 GP / Gr. 51
Wt: 9.68 lb/ft
14.4 kg/m
A: ~0.98”
25 mm
B: ~0.98”
25 mm



Omega 18
Gr: S355 GP / Gr. 51
Wt: 12.10 lb/ft
18.0 kg/m
A: ~2.76”
~70 mm
B: ~1.18”
~30 mm



C 9
Gr: S355 GP / Gr. 51
Wt: 6.25 lb/ft
9.3 kg/m
A: ~1.18”
~30 mm

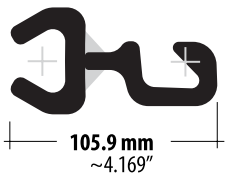


Delta 13
Gr: S355 GP / Gr. 51
Wt: 8.8 lb/ft
13.1 kg/m
A: ~0.59”
~15 mm
B: ~0.79”
~20 mm

DELIVERY CONDITIONS & TOLERANCES

	ASTM A6	EN 10248
Mass	± 2.5%	± 5%
Length	+ 5 in. – 0 in.	± 200 mm
Height	± 7 mm	
Thickness	≤ 8.5 mm	- 0.5 mm
	> 8.5 mm	- 6%
Single Pile Width		± 2%
Double Pile Width		± 3%
Straightness		0.2% of the length
Ends out of Square		20 mm

TRANSITIONAL PILES



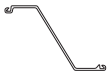
PZ-Larssen-Transition
Gr: S355 GP / A572 Gr. 51
Wt 12.08 lb/ft 18.0 kg/m

MAXIMUM ROLLED LENGTHS†

AZ	101.7 ft.	31.0 m
C6	59.1 ft.	18.0 m
C14	59.1 ft.	18.0 m
Delta 13	55.8 ft.	17.0 m
Omega 18	52.0 ft.	16.0 m

† Longer lengths may be possible upon request.

DELIVERY FORMS



Single Pile
Position A



Double Pile
Form I Standard



Single Pile
Position B



Double Pile
Form II on Request