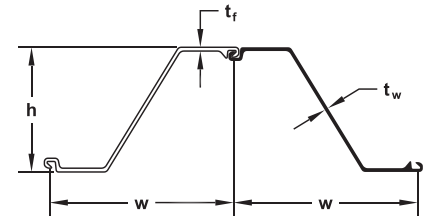


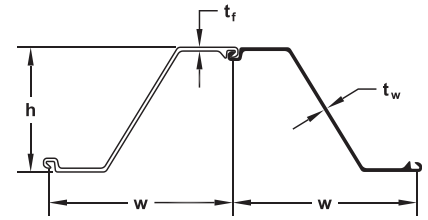
# AZ HOT ROLLED STEEL SHEET PILE SERIES



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

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

# AZ HOT ROLLED STEEL SHEET PILE SERIES

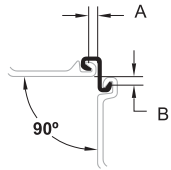


## AVAILABLE STEEL GRADES

| AMERICAN     |                |     | CANADIAN    |                |     | EUROPEAN |                |     | AMLoCor <sup>®</sup> ** |                |     |
|--------------|----------------|-----|-------------|----------------|-----|----------|----------------|-----|-------------------------|----------------|-----|
| 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 |             |                |     |          |                |     |                         |                |     |

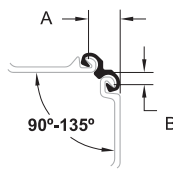
Highlighted fields represent the most commonly used and readily available steel grades. \*On request \*\* Corrosion resistant steel; check for availability.

## CORNER PILES



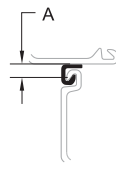
### C 14

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



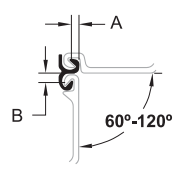
### Omega 18

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



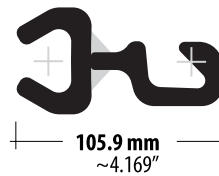
### Delta 13

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-Larsen-Transition

Gr: S355 GP / A572 Gr. 51  
 Wt: 12.08 lb/ft 18.0 kg/m

## MAXIMUM ROLLED LENGTHS<sup>†</sup>

|          |           |        |
|----------|-----------|--------|
| 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 |

## DELIVERY FORMS



Single Pile  
Position A



Double Pile  
Form I Standard



Single Pile  
Position B



Double Pile  
Form II on Request

<sup>†</sup> Longer lengths may be possible upon request.