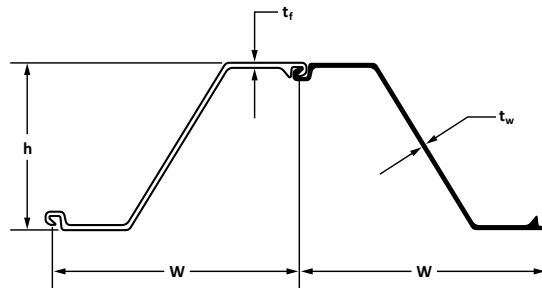


# NZ

## NZ Hot Rolled Steel Sheet Pile



| SECTION | Width (w)<br>in<br>(mm) | Height (h)<br>in<br>(mm) | THICKNESS                              |                                     | Cross Sectional Area<br>in <sup>2</sup> /ft<br>(cm <sup>2</sup> /m) | WEIGHT                  |  | SECTION MODULUS  |  | Moment of Inertia<br>in <sup>4</sup> /ft<br>(cm <sup>4</sup> /m) | COATING AREA   |   |
|---------|-------------------------|--------------------------|--|-------------------------------------|---|-------------------------|--|--|--|--|--|---|
|         |                         |                          | Flange (t <sub>f</sub> )<br>in<br>(mm) | Web (t <sub>w</sub> )<br>in<br>(mm) |   | Pile<br>lb/ft<br>(kg/m) | Wall<br>lb/ft <sup>2</sup><br>(kg/m <sup>2</sup> ) | Elastic<br>in <sup>3</sup> /ft<br>(cm <sup>3</sup> /m) | Plastic<br>in <sup>3</sup> /ft<br>(cm <sup>3</sup> /m) |  | Both Sides<br>ft <sup>2</sup> /ft of single<br>(m <sup>2</sup> /m) | Wall Surface<br>ft <sup>2</sup> /ft <sup>2</sup><br>(m <sup>2</sup> /m <sup>2</sup> ) |
| NZ 14   | 30.31<br>770            | 13.39<br>340             | 0.375<br>9.5                           | 0.375<br>9.5                        | 6.40<br>135.4   | 55<br>81.26             | 21.77<br>106.30                                    | 25.65<br>1379  | 30.50<br>1640  | 171.7<br>23447   | 6.10<br>1.86   | 1.20<br>1.20  |
| NZ 19   | 27.56<br>700            | 16.14<br>410             | 0.375<br>9.5                           | 0.375<br>9.5                        | 7.07<br>149.6   | 55<br>81.85             | 24.05<br>117.40                                    | 35.08<br>1886  | 41.33<br>2222  | 283.1<br>38659   | 6.18<br>1.88   | 1.35<br>1.35  |
| NZ 20   | 27.56<br>700            | 16.16<br>411             | 0.394<br>10.0                          | 0.394<br>10.0                       | 7.34<br>155.4   | 57<br>85.37             | 24.82<br>122.00                                    | 36.24<br>1948  | 42.80<br>2301  | 292.8<br>39984   | 6.18<br>1.88   | 1.35<br>1.35  |
| NZ 21   | 27.56<br>700            | 16.20<br>412             | 0.433<br>11.0                          | 0.433<br>11.0                       | 7.80<br>165.2   | 61<br>90.78             | 26.56<br>129.70                                    | 38.69<br>2080  | 45.85<br>2465  | 313.4<br>42797   | 6.18<br>1.88   | 1.35<br>1.35  |
| NZ 26   | 27.56<br>700            | 17.32<br>440             | 0.500<br>12.7                          | 0.500<br>12.7                       | 9.08<br>192.2   | 71<br>105.66            | 30.99<br>151.30                                    | 48.50<br>2608  | 57.01<br>3065  | 419.9<br>57340   | 6.49<br>1.98   | 1.41<br>1.41  |
| NZ 28   | 27.56<br>700            | 17.38<br>441             | 0.560<br>14.2                          | 0.560<br>14.2                       | 9.98<br>211.2   | 78<br>116.08            | 33.96<br>165.82                                    | 52.62<br>2829  | 62.16<br>3342  | 457.4<br>62461   | 6.49<br>1.98   | 1.41<br>1.41  |
| NZ 38   | 27.56<br>700            | 19.69<br>500             | 0.689<br>17.5                          | 0.500<br>12.7                       | 11.00<br>232.9  | 86<br>127.99            | 37.45<br>182.83                                    | 70.84<br>3809  | 81.57<br>4386  | 697.3<br>95214   | 6.58<br>2.01   | 1.43<br>1.43  |

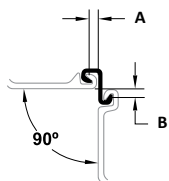
# NZ

## NZ Hot Rolled Steel Sheet Pile

| Available Steel Grades |                |            |
|------------------------|----------------|------------|
| NZ                     |                |            |
| ASTM                   | YIELD STRENGTH |            |
|                        | (ksi)          | (MPa)      |
| A 328                  | 39             | 270        |
| A 572 Gr. 50           | 50             | 345        |
| <b>A 572 Gr. 60</b>    | <b>60</b>      | <b>415</b> |
| A 588                  | 50             | 345        |
| A 690                  | 50             | 345        |

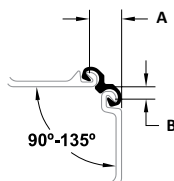
Highlighted fields represent the most commonly used and readily available steel grades.

### Corner Piles



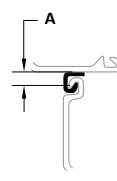
**C 14/E 20**

Gr: S 355 GP  
Wt: 9.68 lb/ft (14.4 kg/m)  
A: ~0.98" (25 mm)  
B: ~0.98" (25 mm)



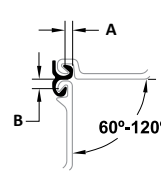
**Omega 18**

Gr: S 430 GP  
Wt: 12.10 lb/ft (18.0 kg/m)  
A: ~2.76" (~70 mm)  
B: ~1.18" (~30 mm)



**E 22**

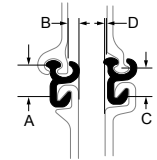
Gr: S 355 GP  
Wt: 6.87 lb/ft (10.2 kg/m)  
A: ~1.18" (~30 mm)



**Delta 13**

Gr: S 355 GP  
Wt: 8.73 lb/ft (13.0 kg/m)  
A: ~0.59" (~15 mm)  
B: ~0.79" (~20 mm)

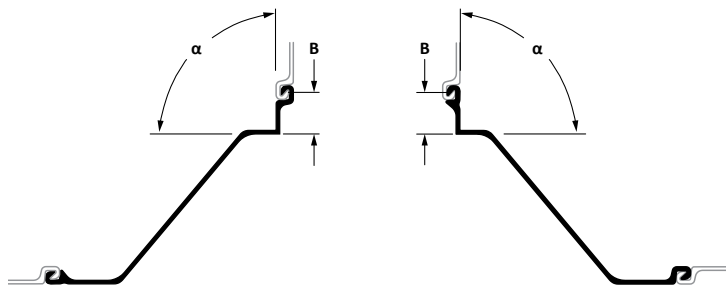
### Transitional Piles



**SKAP**

Gr: A 572 Gr. 50/60  
Wt: 8.95 lb/ft (13.3 kg/m)  
A: 1.97" (50.0 mm)  
B: 0.69" (17.5 mm)  
C: 1.61" (40.9 mm)  
D: 0.02" (0.5 mm)

### Fabricated Corner Piles

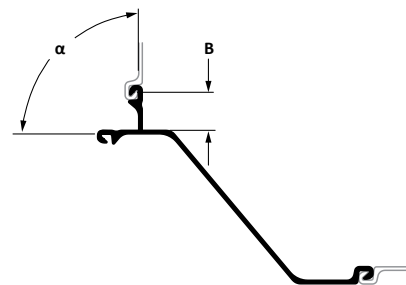


**Type 1 -  $\alpha$**

$\alpha$ : Angle varies  
B: 3"-6" (76.2mm-152.4mm)

**Type 2 -  $\alpha$**

$\alpha$ : Angle varies  
B: 3"-6" (76.2mm-152.4mm)



**T Pile**

$\alpha$ : Angle varies  
B: 3"-6" (76.2mm-152.4mm)

### Delivery Conditions & Tolerances

|        | ASTM A 6    |            |
|--------|-------------|------------|
| Mass   | $\pm 2.5\%$ |            |
| Length | + 5 inches  | - 0 inches |

### Maximum Rolled Lengths\*

|    |            |          |
|----|------------|----------|
| NZ | 105.0 feet | (32.0 m) |
|----|------------|----------|

\* Longer lengths may be possible upon request.

### Interlock Combinations

