

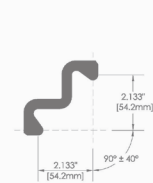
**LARSEN**  
HOT ROLLED



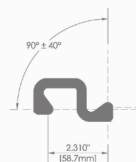
**HR<sup>®</sup>**

[sheet-pile.com/oz](http://sheet-pile.com/oz)

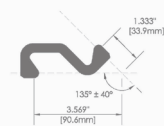
### PilePro<sup>®</sup> Sheet Pile Connectors



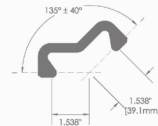
**HR<sup>®</sup> Omega**



**HR<sup>®</sup> 90**



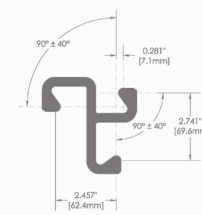
**HR<sup>®</sup> Colt**



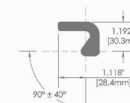
**HR<sup>®</sup> 135**



**HR<sup>®</sup> 180**



**HR<sup>®</sup> Tee**

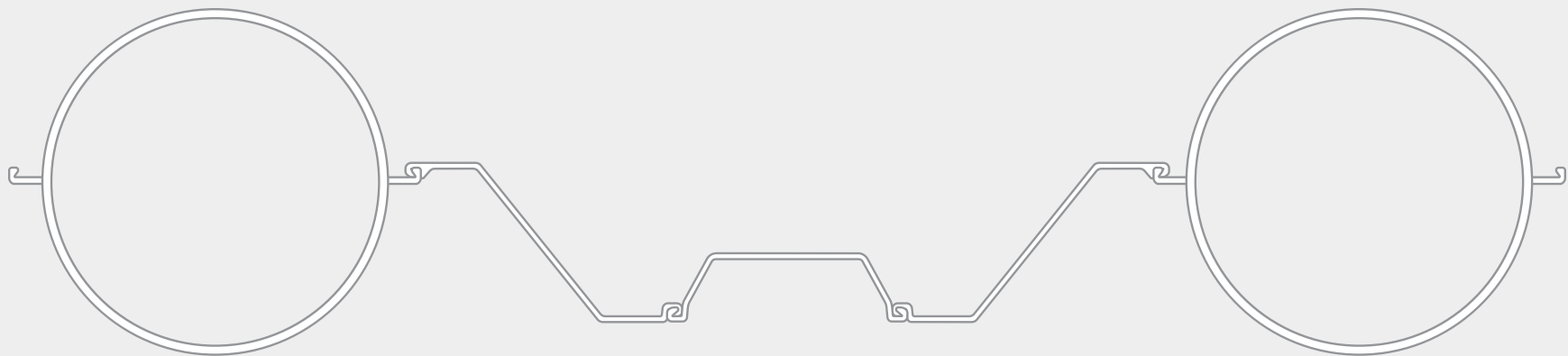


**C9<sup>®</sup>**

Sheet Pile LLC is the owner and assignee of US 7,390,145, related to these connectors.

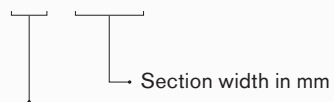


## Configuration B1



SECTION NAME:

**87 - 3714**



Section modulus (elastic) in cm³/m ÷ 100

**These are examples from a large variety of possible OZ® solutions.**

**Please configure your own system on [sheet-pile.com/oz](https://sheet-pile.com/oz)**

*Sheet Pile LLC is the owner and assignee of numerous patents and trademarks related to the OZ® system, including, but not limited to, United States Patent Nos. 8,088,469, 8,323,765, and 7,935,406.*

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 27-3344 | OZ®           | 50.4              | 131.65     | 0.375      | 42         | 24.3              | 27.4              | 30.4              | 1059.2            | 14.29        | 28.78        | B1            |
|         |               | 2711.8            | 3343.8     | 9.525      | 1066       | 118.8             | 133.7             | 148.5             | 144645.6          | 4.36         | 8.77         |               |
| 27-2988 | OZ®           | 50.7              | 117.65     | 0.75       | 28         | 32.5              | 35.9              | 39.3              | 710.2             | 12.46        | 25.11        | B1            |
|         |               | 2727.3            | 2988.2     | 19.05      | 711        | 158.7             | 175.3             | 191.9             | 96984.5           | 3.8          | 7.65         |               |
| 27-2887 | OZ®           | 50.9              | 113.65     | 1          | 24         | 36.5              | 40.1              | 43.6              | 610.9             | 11.93        | 24.07        | B1            |
|         |               | 2737              | 2886.6     | 25.4       | 609        | 178.4             | 195.6             | 212.8             | 83424.1           | 3.64         | 7.34         |               |
| 28-3191 | OZ®           | 51.9              | 125.65     | 0.5        | 36         | 27.7              | 30.9              | 34.1              | 934.5             | 13.51        | 27.21        | B1            |
|         |               | 2791.2            | 3191.4     | 12.7       | 914        | 135.2             | 150.7             | 166.3             | 127615.2          | 4.12         | 8.29         |               |
| 28-3039 | OZ®           | 52.2              | 119.65     | 0.688      | 30         | 31.7              | 35                | 38.3              | 782.5             | 12.72        | 25.64        | B1            |
|         |               | 2804.7            | 3039       | 17.462     | 762        | 154.5             | 170.9             | 187.2             | 106858.8          | 3.88         | 7.81         |               |
| 28-3344 | OZ®           | 52.7              | 131.65     | 0.394      | 42         | 25.1              | 28.1              | 31.2              | 1106.1            | 14.29        | 28.78        | B1            |
|         |               | 2831.9            | 3343.8     | 10         | 1066       | 122.5             | 137.4             | 152.2             | 151053            | 4.36         | 8.77         |               |
| 28-3141 | OZ®           | 52.9              | 123.65     | 0.562      | 34         | 29.2              | 32.5              | 35.7              | 898.6             | 13.24        | 26.68        | B1            |
|         |               | 2841.9            | 3140.6     | 14.288     | 863        | 142.7             | 158.5             | 174.4             | 122712.2          | 4.04         | 8.13         |               |
| 28-3090 | OZ®           | 52.9              | 121.65     | 0.625      | 31         | 30.6              | 33.8              | 37.1              | 846.6             | 12.98        | 26.16        | B1            |
|         |               | 2844.7            | 3089.8     | 15.875     | 812        | 149.2             | 165.3             | 181.3             | 115608.5          | 3.96         | 7.97         |               |
| 29-3242 | OZ®           | 53.5              | 127.65     | 0.472      | 38         | 27.2              | 30.4              | 33.5              | 1015.8            | 13.77        | 27.73        | B1            |
|         |               | 2874.4            | 3242.2     | 12         | 965        | 133               | 148.3             | 163.6             | 138718.2          | 4.2          | 8.45         |               |
| 29-3293 | OZ®           | 53.9              | 129.65     | 0.438      | 40         | 26.4              | 29.5              | 32.6              | 1077.3            | 14.03        | 28.25        | B1            |
|         |               | 2895.9            | 3293       | 11.112     | 1016       | 128.9             | 144               | 159               | 147109.9          | 4.28         | 8.61         |               |
| 29-3395 | OZ®           | 54                | 133.65     | 0.375      | 43         | 24.7              | 27.7              | 30.7              | 1187.5            | 14.55        | 29.3         | B1            |
|         |               | 2902.1            | 3394.6     | 9.525      | 1117       | 120.6             | 135.2             | 149.8             | 162169            | 4.44         | 8.93         |               |
| 29-2988 | OZ®           | 54                | 117.65     | 0.812      | 28         | 34.3              | 37.7              | 41.1              | 756.5             | 12.46        | 25.11        | B1            |
|         |               | 2905              | 2988.2     | 20.638     | 711        | 167.5             | 184.1             | 200.7             | 103301.7          | 3.8          | 7.65         |               |
| 30-3039 | OZ®           | 56                | 119.65     | 0.75       | 30         | 33.6              | 36.9              | 40.3              | 839.9             | 12.72        | 25.64        | B1            |
|         |               | 3010.3            | 3039       | 19.05      | 762        | 163.9             | 180.2             | 196.6             | 114691.7          | 3.88         | 7.81         |               |
| 30-3242 | OZ®           | 56.2              | 127.65     | 0.5        | 38         | 28.3              | 31.4              | 34.5              | 1067.5            | 13.77        | 27.73        | B1            |
|         |               | 3020.5            | 3242.2     | 12.7       | 965        | 138               | 153.3             | 168.6             | 145771.4          | 4.2          | 8.45         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section   | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area     | Coating Area     | Configuration |
|-----------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|---------------|
|           |               |                   |            |            |            | 60%               | 80%               | 100%              |                   |                  |                  |               |
|           |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | in⁴/ft<br>(cm⁴/m) | ft²/ft<br>(m²/m) | ft²/ft<br>(m²/m) |               |
| 0130-3395 | OZ®           | 56.4              | 133.65     | 0.394      | 43         | 25.5              | 28.5              | 31.5              | 1240.8            | 14.55            | 29.3             | B1            |
| 02        |               | 3032.3            | 3394.6     | 10         | 1117       | 124.4             | 139               | 153.6             | 169444.7          | 4.44             | 8.93             |               |
| 0331-3090 | OZ®           | 57.3              | 121.65     | 0.688      | 31         | 32.6              | 35.9              | 39.2              | 916.6             | 12.98            | 26.16            | B1            |
| 04        |               | 3079.8            | 3089.8     | 17.462     | 812        | 159.1             | 175.1             | 191.2             | 125163.4          | 3.96             | 7.97             |               |
| 0531-2988 | OZ®           | 57.3              | 117.65     | 0.875      | 28         | 36.1              | 39.5              | 42.9              | 802.1             | 12.46            | 25.11            | B1            |
| 06        |               | 3080.1            | 2988.2     | 22.225     | 711        | 176.2             | 192.9             | 209.5             | 109529.8          | 3.8              | 7.65             |               |
| 0731-3191 | OZ®           | 57.5              | 125.65     | 0.562      | 36         | 29.9              | 33.1              | 36.3              | 1034.5            | 13.51            | 27.21            | B1            |
| 08        |               | 3089.8            | 3191.4     | 14.288     | 914        | 146.1             | 161.6             | 177.2             | 141266.5          | 4.12             | 8.29             |               |
| 0931-3293 | OZ®           | 57.7              | 129.65     | 0.472      | 40         | 27.7              | 30.8              | 33.9              | 1153.1            | 14.03            | 28.25            | B1            |
| 10        |               | 3099.8            | 3293       | 12         | 1016       | 135.5             | 150.6             | 165.6             | 157469.5          | 4.28             | 8.61             |               |
| 1131-3141 | OZ®           | 57.8              | 123.65     | 0.625      | 34         | 31.4              | 34.6              | 37.8              | 982.8             | 13.24            | 26.68            | B1            |
| 12        |               | 3108              | 3140.6     | 15.875     | 863        | 153.1             | 168.9             | 184.7             | 134204            | 4.04             | 8.13             |               |
| 1331-3344 | OZ®           | 57.9              | 131.65     | 0.438      | 42         | 26.8              | 29.9              | 32.9              | 1215.5            | 14.29            | 28.78            | B1            |
| 14        |               | 3112              | 3343.8     | 11.112     | 1066       | 131.1             | 145.9             | 160.8             | 165992.3          | 4.36             | 8.77             |               |
| 1532-3039 | OZ®           | 59.8              | 119.65     | 0.812      | 30         | 35.5              | 38.8              | 42.2              | 896.5             | 12.72            | 25.64            | B1            |
| 16        |               | 3213.2            | 3039       | 20.638     | 762        | 173.2             | 189.5             | 205.9             | 122422.5          | 3.88             | 7.81             |               |
| 1733-2988 | OZ®           | 60.5              | 117.65     | 0.938      | 28         | 37.9              | 41.3              | 44.7              | 847               | 12.46            | 25.11            | B1            |
| 18        |               | 3252.8            | 2988.2     | 23.812     | 711        | 184.9             | 201.6             | 218.2             | 115669.6          | 3.8              | 7.65             |               |
| 1933-3293 | OZ®           | 60.6              | 129.65     | 0.5        | 40         | 28.8              | 31.9              | 35                | 1212.7            | 14.03            | 28.25            | B1            |
| 20        |               | 3259.9            | 3293       | 12.7       | 1016       | 140.7             | 155.7             | 170.8             | 165601            | 4.28             | 8.61             |               |
| 2133-3496 | OZ®           | 61.4              | 137.65     | 0.375      | 48         | 25.4              | 28.3              | 31.2              | 1473.9            | 15.08            | 30.35            | B1            |
| 22        |               | 3301.8            | 3496.2     | 9.525      | 1219       | 123.9             | 138.1             | 152.3             | 201279.7          | 4.6              | 9.25             |               |
| 2333-3090 | OZ®           | 61.6              | 121.65     | 0.75       | 31         | 34.6              | 37.9              | 41.2              | 985.7             | 12.98            | 26.16            | B1            |
| 24        |               | 3312.1            | 3089.8     | 19.05      | 812        | 168.9             | 185               | 201.1             | 134601.9          | 3.96             | 7.97             |               |
| 2533-3344 | OZ®           | 62                | 131.65     | 0.472      | 42         | 28.2              | 31.3              | 34.3              | 1302.3            | 14.29            | 28.78            | B1            |
| 26        |               | 3334.1            | 3343.8     | 12         | 1066       | 137.9             | 152.8             | 167.6             | 177841.7          | 4.36             | 8.77             |               |
| 2733-3395 | OZ®           | 62                | 133.65     | 0.438      | 43         | 27.3              | 30.3              | 33.3              | 1365.1            | 14.55            | 29.3             | B1            |
| 28        |               | 3335.9            | 3394.6     | 11.112     | 1117       | 133.2             | 147.8             | 162.5             | 186410.8          | 4.44             | 8.93             |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 33-3242 | OZ®           | 62.3              | 127.65     | 0.562      | 38         | 30.6              | 33.7              | 36.9              | 1183.7            | 13.77        | 27.73        | B1            |
|         |               | 3349.6            | 3242.2     | 14.288     | 965        | 149.3             | 164.6             | 179.9             | 161651            | 4.2          | 8.45         |               |
| 34-3141 | OZ®           | 62.7              | 123.65     | 0.688      | 34         | 33.5              | 36.7              | 40                | 1065.9            | 13.24        | 26.68        | B1            |
|         |               | 3371.1            | 3140.6     | 17.462     | 863        | 163.5             | 179.3             | 195.1             | 145564.9          | 4.04         | 8.13         |               |
| 34-3191 | OZ®           | 63                | 125.65     | 0.625      | 36         | 32.1              | 35.3              | 38.5              | 1133.4            | 13.51        | 27.21        | B1            |
|         |               | 3385.2            | 3191.4     | 15.875     | 914        | 156.9             | 172.5             | 188               | 154771.6          | 4.12         | 8.29         |               |
| 34-3039 | OZ®           | 63.5              | 119.65     | 0.875      | 30         | 37.4              | 40.7              | 44.1              | 952.3             | 12.72        | 25.64        | B1            |
|         |               | 3413.4            | 3039       | 22.225     | 762        | 182.4             | 198.8             | 215.1             | 130051.7          | 3.88         | 7.81         |               |
| 34-2988 | OZ®           | 63.7              | 117.65     | 1          | 28         | 39.7              | 43.1              | 46.5              | 891.4             | 12.46        | 25.11        | B1            |
|         |               | 3423              | 2988.2     | 25.4       | 711        | 193.6             | 210.2             | 226.9             | 121721.8          | 3.8          | 7.65         |               |
| 35-3496 | OZ®           | 64.2              | 137.65     | 0.394      | 48         | 26.2              | 29.1              | 32                | 1541.4            | 15.08        | 30.35        | B1            |
|         |               | 3452.9            | 3496.2     | 10         | 1219       | 127.9             | 142.1             | 156.3             | 210491.7          | 4.6          | 9.25         |               |
| 35-3344 | OZ®           | 65.3              | 131.65     | 0.5        | 42         | 29.3              | 32.4              | 35.4              | 1370.4            | 14.29        | 28.78        | B1            |
|         |               | 3508.5            | 3343.8     | 12.7       | 1066       | 143.3             | 158.1             | 173               | 187145.2          | 4.36         | 8.77         |               |
| 35-3547 | OZ®           | 65.3              | 139.65     | 0.375      | 50         | 25.7              | 28.6              | 31.4              | 1632.4            | 15.34        | 30.87        | B1            |
|         |               | 3510.5            | 3547       | 9.525      | 1270       | 125.5             | 139.5             | 153.5             | 222916.3          | 4.67         | 9.41         |               |
| 35-3090 | OZ®           | 65.9              | 121.65     | 0.812      | 31         | 36.6              | 39.9              | 43.2              | 1053.9            | 12.98        | 26.16        | B1            |
|         |               | 3541.5            | 3089.8     | 20.638     | 812        | 178.7             | 194.8             | 210.8             | 143925.5          | 3.96         | 7.97         |               |
| 36-3395 | OZ®           | 66.5              | 133.65     | 0.472      | 43         | 28.7              | 31.7              | 34.7              | 1463.6            | 14.55        | 29.3         | B1            |
|         |               | 3576.8            | 3394.6     | 12         | 1117       | 140.3             | 154.9             | 169.5             | 199871.6          | 4.44         | 8.93         |               |
| 36-3039 | OZ®           | 67.2              | 119.65     | 0.938      | 30         | 39.3              | 42.6              | 46                | 1007.5            | 12.72        | 25.64        | B1            |
|         |               | 3611              | 3039       | 23.812     | 762        | 191.7             | 208               | 224.4             | 137580.5          | 3.88         | 7.81         |               |
| 36-3293 | OZ®           | 67.3              | 129.65     | 0.562      | 40         | 31.2              | 34.3              | 37.4              | 1346.8            | 14.03        | 28.25        | B1            |
|         |               | 3620.4            | 3293       | 14.288     | 1016       | 152.4             | 167.5             | 182.6             | 183915.3          | 4.28         | 8.61         |               |
| 36-3141 | OZ®           | 67.5              | 123.65     | 0.75       | 34         | 35.6              | 38.8              | 42.1              | 1148.2            | 13.24        | 26.68        | B1            |
|         |               | 3631.2            | 3140.6     | 19.05      | 863        | 173.8             | 189.6             | 205.4             | 156795.8          | 4.04         | 8.13         |               |
| 37-3547 | OZ®           | 68.3              | 139.65     | 0.394      | 50         | 26.5              | 29.4              | 32.3              | 1707.7            | 15.34        | 30.87        | B1            |
|         |               | 3672.4            | 3547       | 10         | 1270       | 129.6             | 143.6             | 157.6             | 233199            | 4.67         | 9.41         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 37-3242 | OZ®           | 68.4              | 127.65     | 0.625      | 38         | 32.9              | 36                | 39.2              | 1298.9            | 13.77        | 27.73        | B1            |
|         |               | 3675.3            | 3242.2     | 15.875     | 965        | 160.6             | 175.9             | 191.2             | 177370            | 4.2          | 8.45         |               |
| 37-3191 | OZ®           | 68.4              | 125.65     | 0.688      | 36         | 34.4              | 37.5              | 40.7              | 1231.2            | 13.51        | 27.21        | B1            |
|         |               | 3677.4            | 3191.4     | 17.462     | 914        | 167.7             | 183.3             | 198.8             | 168131.9          | 4.12         | 8.29         |               |
| 37-3598 | OZ®           | 69.3              | 141.65     | 0.375      | 52         | 26                | 28.8              | 31.7              | 1801.2            | 15.6         | 31.4         | B1            |
|         |               | 3724.6            | 3597.8     | 9.525      | 1320       | 127               | 140.8             | 154.6             | 245970.6          | 4.75         | 9.57         |               |
| 38-3395 | OZ®           | 70                | 133.65     | 0.5        | 43         | 29.9              | 32.9              | 35.9              | 1541              | 14.55        | 29.3         | B1            |
|         |               | 3766              | 3394.6     | 12.7       | 1117       | 145.8             | 160.5             | 175.1             | 210442.5          | 4.44         | 8.93         |               |
| 38-3090 | OZ®           | 70.1              | 121.65     | 0.875      | 31         | 38.6              | 41.9              | 45.2              | 1121.4            | 12.98        | 26.16        | B1            |
|         |               | 3768.1            | 3089.8     | 22.225     | 812        | 188.5             | 204.5             | 220.6             | 153134.5          | 3.96         | 7.97         |               |
| 38-3496 | OZ®           | 70.8              | 137.65     | 0.438      | 48         | 28.1              | 31                | 33.9              | 1698.8            | 15.08        | 30.35        | B1            |
|         |               | 3805.5            | 3496.2     | 11.112     | 1219       | 137.3             | 151.5             | 165.7             | 231981.3          | 4.6          | 9.25         |               |
| 38-3039 | OZ®           | 70.8              | 119.65     | 1          | 30         | 41.1              | 44.5              | 47.8              | 1061.9            | 12.72        | 25.64        | B1            |
|         |               | 3806              | 3039       | 25.4       | 762        | 200.9             | 217.2             | 233.5             | 145009.2          | 3.88         | 7.81         |               |
| 39-3141 | OZ®           | 72.3              | 123.65     | 0.812      | 34         | 37.7              | 40.9              | 44.2              | 1229.5            | 13.24        | 26.68        | B1            |
|         |               | 3888.3            | 3140.6     | 20.638     | 863        | 184               | 199.9             | 215.7             | 167897.9          | 4.04         | 8.13         |               |
| 39-3598 | OZ®           | 72.5              | 141.65     | 0.394      | 52         | 26.9              | 29.7              | 32.5              | 1884.9            | 15.6         | 31.4         | B1            |
|         |               | 3897.6            | 3597.8     | 10         | 1320       | 131.3             | 145.1             | 158.9             | 257394.8          | 4.75         | 9.57         |               |
| 39-3344 | OZ®           | 72.6              | 131.65     | 0.562      | 42         | 31.8              | 34.9              | 37.9              | 1523.9            | 14.29        | 28.78        | B1            |
|         |               | 3901.5            | 3343.8     | 14.288     | 1066       | 155.5             | 170.3             | 185.2             | 208105.7          | 4.36         | 8.77         |               |
| 39-3649 | OZ®           | 73.4              | 143.65     | 0.375      | 53         | 26.3              | 29.1              | 31.9              | 1980.6            | 15.86        | 31.92        | B1            |
|         |               | 3943.8            | 3648.6     | 9.525      | 1371       | 128.5             | 142.1             | 155.7             | 270464.6          | 4.83         | 9.73         |               |
| 40-3191 | OZ®           | 73.8              | 125.65     | 0.75       | 36         | 36.6              | 39.7              | 42.9              | 1328              | 13.51        | 27.21        | B1            |
|         |               | 3966.5            | 3191.4     | 19.05      | 914        | 178.5             | 194               | 209.6             | 181348            | 4.12         | 8.29         |               |
| 40-3293 | OZ®           | 74                | 129.65     | 0.625      | 40         | 33.6              | 36.7              | 39.8              | 1479.6            | 14.03        | 28.25        | B1            |
|         |               | 3977.4            | 3293       | 15.875     | 1016       | 164.1             | 179.2             | 194.3             | 202053.8          | 4.28         | 8.61         |               |
| 40-3090 | OZ®           | 74.2              | 121.65     | 0.938      | 31         | 40.6              | 43.9              | 47.2              | 1188              | 12.98        | 26.16        | B1            |
|         |               | 3991.9            | 3089.8     | 23.812     | 812        | 198.2             | 214.2             | 230.3             | 162229.9          | 3.96         | 7.97         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 40-3242 | OZ®           | 74.4              | 127.65     | 0.688      | 38         | 35.2              | 38.3              | 41.5              | 1412.8            | 13.77        | 27.73        | B1            |
|         |               | 3997.7            | 3242.2     | 17.462     | 965        | 171.8             | 187.2             | 202.5             | 192929.2          | 4.2          | 8.45         |               |
| 41-3547 | OZ®           | 75.3              | 139.65     | 0.438      | 50         | 28.5              | 31.4              | 34.3              | 1883.4            | 15.34        | 30.87        | B1            |
|         |               | 4050.3            | 3547       | 11.112     | 1270       | 139.3             | 153.3             | 167.3             | 257191.1          | 4.67         | 9.41         |               |
| 41-3496 | OZ®           | 76                | 137.65     | 0.472      | 48         | 29.7              | 32.6              | 35.5              | 1823.7            | 15.08        | 30.35        | B1            |
|         |               | 4085.3            | 3496.2     | 12         | 1219       | 144.8             | 159               | 173.2             | 249039            | 4.6          | 9.25         |               |
| 41-3649 | OZ®           | 76.8              | 143.65     | 0.394      | 53         | 27.2              | 30                | 32.8              | 2073.1            | 15.86        | 31.92        | B1            |
|         |               | 4128              | 3648.6     | 10         | 1371       | 132.9             | 146.5             | 160.1             | 283101.2          | 4.83         | 9.73         |               |
| 41-3141 | OZ®           | 77.1              | 123.65     | 0.875      | 34         | 39.8              | 43                | 46.3              | 1309.9            | 13.24        | 26.68        | B1            |
|         |               | 4142.5            | 3140.6     | 22.225     | 863        | 194.3             | 210.1             | 225.9             | 178872.2          | 4.04         | 8.13         |               |
| 42-3699 | OZ®           | 77.5              | 145.65     | 0.375      | 56         | 26.6              | 29.4              | 32.1              | 2170.6            | 16.12        | 32.44        | B1            |
|         |               | 4167.9            | 3699.4     | 9.525      | 1422       | 130               | 143.4             | 156.8             | 296418.9          | 4.91         | 9.89         |               |
| 42-3395 | OZ®           | 78                | 133.65     | 0.562      | 43         | 32.4              | 35.4              | 38.4              | 1715.5            | 14.55        | 29.3         | B1            |
|         |               | 4192.3            | 3394.6     | 14.288     | 1117       | 158.4             | 173               | 187.7             | 234265.6          | 4.44         | 8.93         |               |
| 42-3090 | OZ®           | 78.4              | 121.65     | 1          | 31         | 42.6              | 45.9              | 49.2              | 1253.8            | 12.98        | 26.16        | B1            |
|         |               | 4212.9            | 3089.8     | 25.4       | 812        | 207.9             | 223.9             | 240               | 171213            | 3.96         | 7.97         |               |
| 43-3191 | OZ®           | 79.1              | 125.65     | 0.812      | 36         | 38.8              | 41.9              | 45.1              | 1423.7            | 13.51        | 27.21        | B1            |
|         |               | 4252.4            | 3191.4     | 20.638     | 914        | 189.2             | 204.8             | 220.3             | 194421.6          | 4.12         | 8.29         |               |
| 43-3344 | OZ®           | 79.8              | 131.65     | 0.625      | 42         | 34.3              | 37.4              | 40.4              | 1676              | 14.29        | 28.78        | B1            |
|         |               | 4290.9            | 3343.8     | 15.875     | 1066       | 167.6             | 182.5             | 197.3             | 228874.6          | 4.36         | 8.77         |               |
| 43-3598 | OZ®           | 80                | 141.65     | 0.438      | 52         | 28.9              | 31.7              | 34.6              | 2080.1            | 15.6         | 31.4         | B1            |
|         |               | 4301.2            | 3597.8     | 11.112     | 1320       | 141.2             | 155               | 168.8             | 284053.6          | 4.75         | 9.57         |               |
| 43-3496 | OZ®           | 80.1              | 137.65     | 0.5        | 48         | 30.9              | 33.8              | 36.7              | 1921.8            | 15.08        | 30.35        | B1            |
|         |               | 4305.1            | 3496.2     | 12.7       | 1219       | 150.7             | 164.9             | 179.1             | 262439.5          | 4.6          | 9.25         |               |
| 43-3242 | OZ®           | 80.3              | 127.65     | 0.75       | 38         | 37.5              | 40.6              | 43.8              | 1525.6            | 13.77        | 27.73        | B1            |
|         |               | 4316.8            | 3242.2     | 19.05      | 965        | 183.1             | 198.4             | 213.7             | 208330.1          | 4.2          | 8.45         |               |
| 43-3293 | OZ®           | 80.6              | 129.65     | 0.688      | 40         | 36                | 39.1              | 42.2              | 1611.2            | 14.03        | 28.25        | B1            |
|         |               | 4331              | 3293       | 17.462     | 1016       | 175.8             | 190.9             | 206               | 220017.3          | 4.28         | 8.61         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 44-3547 | OZ®           | 80.9              | 139.65     | 0.472      | 50         | 30.1              | 33                | 35.8              | 2022.9            | 15.34        | 30.87        | B1            |
|         |               | 4350.2            | 3547       | 12         | 1270       | 147               | 161               | 175               | 276239.4          | 4.67         | 9.41         |               |
| 44-3699 | OZ®           | 81.2              | 145.65     | 0.394      | 56         | 27.5              | 30.3              | 33                | 2272.6            | 16.12        | 32.44        | B1            |
|         |               | 4363.6            | 3699.4     | 10         | 1422       | 134.4             | 147.9             | 161.3             | 310340.1          | 4.91         | 9.89         |               |
| 44-3141 | OZ®           | 81.7              | 123.65     | 0.938      | 34         | 41.9              | 45.1              | 48.4              | 1389.3            | 13.24        | 26.68        | B1            |
|         |               | 4393.7            | 3140.6     | 23.812     | 863        | 204.5             | 220.3             | 236.1             | 189719.5          | 4.04         | 8.13         |               |
| 45-3191 | OZ®           | 84.4              | 125.65     | 0.875      | 36         | 40.9              | 44.1              | 47.3              | 1518.4            | 13.51        | 27.21        | B1            |
|         |               | 4535.3            | 3191.4     | 22.225     | 914        | 199.9             | 215.5             | 231               | 207353.2          | 4.12         | 8.29         |               |
| 46-3649 | OZ®           | 84.8              | 143.65     | 0.438      | 53         | 29.3              | 32.1              | 34.9              | 2289.1            | 15.86        | 31.92        | B1            |
|         |               | 4558.1            | 3648.6     | 11.112     | 1371       | 143               | 156.6             | 170.2             | 312594.4          | 4.83         | 9.73         |               |
| 46-3547 | OZ®           | 85.3              | 139.65     | 0.5        | 50         | 31.3              | 34.2              | 37.1              | 2132.5            | 15.34        | 30.87        | B1            |
|         |               | 4585.9            | 3547       | 12.7       | 1270       | 153               | 167               | 181               | 291205.8          | 4.67         | 9.41         |               |
| 46-3395 | OZ®           | 85.8              | 133.65     | 0.625      | 43         | 35                | 38                | 41                | 1888.4            | 14.55        | 29.3         | B1            |
|         |               | 4614.9            | 3394.6     | 15.875     | 1117       | 171               | 185.6             | 200.2             | 257881            | 4.44         | 8.93         |               |
| 46-3598 | OZ®           | 86                | 141.65     | 0.472      | 52         | 30.5              | 33.4              | 36.2              | 2235.1            | 15.6         | 31.4         | B1            |
|         |               | 4621.8            | 3597.8     | 12         | 1320       | 149.1             | 162.9             | 176.7             | 305223.2          | 4.75         | 9.57         |               |
| 46-3242 | OZ®           | 86.2              | 127.65     | 0.812      | 38         | 39.8              | 42.9              | 46.1              | 1637.2            | 13.77        | 27.73        | B1            |
|         |               | 4632.7            | 3242.2     | 20.638     | 965        | 194.2             | 209.5             | 224.9             | 223573.5          | 4.2          | 8.45         |               |
| 46-3141 | OZ®           | 86.3              | 123.65     | 1          | 34         | 44                | 47.2              | 50.4              | 1467.8            | 13.24        | 26.68        | B1            |
|         |               | 4642              | 3140.6     | 25.4       | 863        | 214.6             | 230.4             | 246.2             | 200441            | 4.04         | 8.13         |               |
| 47-3344 | OZ®           | 87                | 131.65     | 0.688      | 42         | 36.8              | 39.8              | 42.9              | 1826.7            | 14.29        | 28.78        | B1            |
|         |               | 4676.7            | 3343.8     | 17.462     | 1066       | 179.7             | 194.6             | 209.4             | 249453.3          | 4.36         | 8.77         |               |
| 47-3293 | OZ®           | 87.1              | 129.65     | 0.75       | 40         | 38.4              | 41.5              | 44.6              | 1741.4            | 14.03        | 28.25        | B1            |
|         |               | 4681.2            | 3293       | 19.05      | 1016       | 187.5             | 202.6             | 217.6             | 237807.5          | 4.28         | 8.61         |               |
| 48-3496 | OZ®           | 89.3              | 137.65     | 0.562      | 48         | 33.6              | 36.5              | 39.4              | 2143.1            | 15.08        | 30.35        | B1            |
|         |               | 4800.8            | 3496.2     | 14.288     | 1219       | 164               | 178.3             | 192.5             | 292655.7          | 4.6          | 9.25         |               |
| 48-3191 | OZ®           | 89.6              | 125.65     | 0.938      | 36         | 43.1              | 46.3              | 49.5              | 1612.1            | 13.51        | 27.21        | B1            |
|         |               | 4815              | 3191.4     | 23.812     | 914        | 210.6             | 226.1             | 241.7             | 220143.8          | 4.12         | 8.29         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 48-3699 | OZ®           | 89.7              | 145.65     | 0.438      | 56         | 29.7              | 32.4              | 35.2              | 2510.5            | 16.12        | 32.44        | B1            |
|         |               | 4820.5            | 3699.4     | 11.112     | 1422       | 144.8             | 158.2             | 171.7             | 342834.5          | 4.91         | 9.89         |               |
| 49-3598 | OZ®           | 90.7              | 141.65     | 0.5        | 52         | 31.8              | 34.6              | 37.5              | 2356.9            | 15.6         | 31.4         | B1            |
|         |               | 4873.7            | 3597.8     | 12.7       | 1320       | 155.3             | 169.1             | 182.9             | 321858.4          | 4.75         | 9.57         |               |
| 49-3649 | OZ®           | 91.1              | 143.65     | 0.472      | 53         | 30.9              | 33.7              | 36.5              | 2460.6            | 15.86        | 31.92        | B1            |
|         |               | 4899.6            | 3648.6     | 12         | 1371       | 151.1             | 164.7             | 178.3             | 336017.1          | 4.83         | 9.73         |               |
| 49-3242 | OZ®           | 92                | 127.65     | 0.875      | 38         | 42.1              | 45.2              | 48.3              | 1747.7            | 13.77        | 27.73        | B1            |
|         |               | 4945.3            | 3242.2     | 22.225     | 965        | 205.4             | 220.7             | 236               | 238660.5          | 4.2          | 8.45         |               |
| 50-3293 | OZ®           | 93.5              | 129.65     | 0.812      | 40         | 40.8              | 43.9              | 47                | 1870.4            | 14.03        | 28.25        | B1            |
|         |               | 5028.1            | 3293       | 20.638     | 1016       | 199.1             | 214.2             | 229.2             | 255425.1          | 4.28         | 8.61         |               |
| 50-3395 | OZ®           | 93.6              | 133.65     | 0.688      | 43         | 37.6              | 40.6              | 43.6              | 2059.8            | 14.55        | 29.3         | B1            |
|         |               | 5033.8            | 3394.6     | 17.462     | 1117       | 183.5             | 198.1             | 212.7             | 281290.6          | 4.44         | 8.93         |               |
| 51-3344 | OZ®           | 94.1              | 131.65     | 0.75       | 42         | 39.3              | 42.3              | 45.4              | 1976              | 14.29        | 28.78        | B1            |
|         |               | 5058.9            | 3343.8     | 19.05      | 1066       | 191.8             | 206.6             | 221.5             | 269843            | 4.36         | 8.77         |               |
| 51-3191 | OZ®           | 94.7              | 125.65     | 1          | 36         | 45.3              | 48.5              | 51.7              | 1704.7            | 13.51        | 27.21        | B1            |
|         |               | 5091.8            | 3191.4     | 25.4       | 914        | 221.2             | 236.7             | 252.3             | 232795            | 4.12         | 8.29         |               |
| 51-3547 | OZ®           | 95.2              | 139.65     | 0.562      | 50         | 34.2              | 37                | 39.9              | 2379.6            | 15.34        | 30.87        | B1            |
|         |               | 5117.5            | 3547       | 14.288     | 1270       | 166.7             | 180.7             | 194.7             | 324959.7          | 4.67         | 9.41         |               |
| 52-3649 | OZ®           | 96.1              | 143.65     | 0.5        | 53         | 32.3              | 35                | 37.8              | 2595.4            | 15.86        | 31.92        | B1            |
|         |               | 5168.1            | 3648.6     | 12.7       | 1371       | 157.5             | 171.1             | 184.7             | 354426.9          | 4.83         | 9.73         |               |
| 52-3699 | OZ®           | 96.4              | 145.65     | 0.472      | 56         | 31.4              | 34.1              | 36.9              | 2699.5            | 16.12        | 32.44        | B1            |
|         |               | 5183.4            | 3699.4     | 12         | 1422       | 153.1             | 166.5             | 179.9             | 368646.8          | 4.91         | 9.89         |               |
| 53-3242 | OZ®           | 97.7              | 127.65     | 0.938      | 38         | 44.3              | 47.5              | 50.6              | 1857              | 13.77        | 27.73        | B1            |
|         |               | 5254.7            | 3242.2     | 23.812     | 965        | 216.5             | 231.8             | 247.1             | 253592.3          | 4.2          | 8.45         |               |
| 53-3496 | OZ®           | 98.4              | 137.65     | 0.625      | 48         | 36.3              | 39.2              | 42.1              | 2362.6            | 15.08        | 30.35        | B1            |
|         |               | 5292.5            | 3496.2     | 15.875     | 1219       | 177.4             | 191.6             | 205.8             | 322630.9          | 4.6          | 9.25         |               |
| 54-3293 | OZ®           | 99.9              | 129.65     | 0.875      | 40         | 43.1              | 46.2              | 49.3              | 1998.2            | 14.03        | 28.25        | B1            |
|         |               | 5371.5            | 3293       | 22.225     | 1016       | 210.7             | 225.7             | 240.8             | 272871.5          | 4.28         | 8.61         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type   | Section Modulus                             | Width      | Thickness  | Diameter   | Weight at Ratio                            |                                            |                                            | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|-----------------|---------------------------------------------|------------|------------|------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|-------------------|--------------|--------------|---------------|
|         |                 | in <sup>3</sup> /ft<br>(cm <sup>3</sup> /m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%                                        | 80%                                        | 100%                                       |                   |              |              |               |
|         |                 |                                             |            |            |            | lb/ft <sup>2</sup><br>(kg/m <sup>2</sup> ) | lb/ft <sup>2</sup><br>(kg/m <sup>2</sup> ) | lb/ft <sup>2</sup><br>(kg/m <sup>2</sup> ) |                   |              |              |               |
| 54-3344 | OZ <sup>®</sup> | 101.1                                       | 131.65     | 0.812      | 42         | 41.7                                       | 44.8                                       | 47.8                                       | 2124              | 14.29        | 28.78        | B1            |
|         |                 | 5437.7                                      | 3343.8     | 20.638     | 1066       | 203.8                                      | 218.6                                      | 233.5                                      | 290044.6          | 4.36         | 8.77         |               |
| 54-3598 | OZ <sup>®</sup> | 101.2                                       | 141.65     | 0.562      | 52         | 34.7                                       | 37.5                                       | 40.3                                       | 2631.7            | 15.6         | 31.4         | B1            |
|         |                 | 5442                                        | 3597.8     | 14.288     | 1320       | 169.4                                      | 183.2                                      | 197                                        | 359386.8          | 4.75         | 9.57         |               |
| 54-3395 | OZ <sup>®</sup> | 101.4                                       | 133.65     | 0.75       | 43         | 40.1                                       | 43.1                                       | 46.1                                       | 2229.8            | 14.55        | 29.3         | B1            |
|         |                 | 5449.1                                      | 3394.6     | 19.05      | 1117       | 195.9                                      | 210.6                                      | 225.2                                      | 304494.8          | 4.44         | 8.93         |               |
| 55-3699 | OZ <sup>®</sup> | 101.7                                       | 145.65     | 0.5        | 56         | 32.7                                       | 35.4                                       | 38.2                                       | 2848.1            | 16.12        | 32.44        | B1            |
|         |                 | 5468.7                                      | 3699.4     | 12.7       | 1422       | 159.6                                      | 173                                        | 186.5                                      | 388936.6          | 4.91         | 9.89         |               |
| 56-3242 | OZ <sup>®</sup> | 103.4                                       | 127.65     | 1          | 38         | 46.6                                       | 49.7                                       | 52.9                                       | 1965.2            | 13.77        | 27.73        | B1            |
|         |                 | 5560.9                                      | 3242.2     | 25.4       | 965        | 227.5                                      | 242.8                                      | 258.2                                      | 268369.9          | 4.2          | 8.45         |               |
| 56-3547 | OZ <sup>®</sup> | 105                                         | 139.65     | 0.625      | 50         | 37                                         | 39.8                                       | 42.7                                       | 2624.9            | 15.34        | 30.87        | B1            |
|         |                 | 5645                                        | 3547       | 15.875     | 1270       | 180.4                                      | 194.4                                      | 208.4                                      | 358458.4          | 4.67         | 9.41         |               |
| 57-3293 | OZ <sup>®</sup> | 106.2                                       | 129.65     | 0.938      | 40         | 45.5                                       | 48.6                                       | 51.7                                       | 2124.7            | 14.03        | 28.25        | B1            |
|         |                 | 5711.6                                      | 3293       | 23.812     | 1016       | 222.2                                      | 237.3                                      | 252.3                                      | 290147.9          | 4.28         | 8.61         |               |
| 58-3649 | OZ <sup>®</sup> | 107.4                                       | 143.65     | 0.562      | 53         | 35.2                                       | 38                                         | 40.8                                       | 2899.6            | 15.86        | 31.92        | B1            |
|         |                 | 5773.7                                      | 3648.6     | 14.288     | 1371       | 171.9                                      | 185.5                                      | 199.1                                      | 395963.4          | 4.83         | 9.73         |               |
| 58-3496 | OZ <sup>®</sup> | 107.5                                       | 137.65     | 0.688      | 48         | 39                                         | 42                                         | 44.9                                       | 2580.3            | 15.08        | 30.35        | B1            |
|         |                 | 5780.3                                      | 3496.2     | 17.462     | 1219       | 190.6                                      | 204.8                                      | 219                                        | 352366            | 4.6          | 9.25         |               |
| 58-3344 | OZ <sup>®</sup> | 108.1                                       | 131.65     | 0.875      | 42         | 44.2                                       | 47.2                                       | 50.3                                       | 2270.5            | 14.29        | 28.78        | B1            |
|         |                 | 5812.9                                      | 3343.8     | 22.225     | 1066       | 215.8                                      | 230.6                                      | 245.5                                      | 310059.5          | 4.36         | 8.77         |               |
| 59-3395 | OZ <sup>®</sup> | 109                                         | 133.65     | 0.812      | 43         | 42.7                                       | 45.7                                       | 48.7                                       | 2398.2            | 14.55        | 29.3         | B1            |
|         |                 | 5860.7                                      | 3394.6     | 20.638     | 1117       | 208.4                                      | 223                                        | 237.6                                      | 327494.3          | 4.44         | 8.93         |               |
| 60-3598 | OZ <sup>®</sup> | 111.7                                       | 141.65     | 0.625      | 52         | 37.6                                       | 40.4                                       | 43.2                                       | 2904.5            | 15.6         | 31.4         | B1            |
|         |                 | 6006                                        | 3597.8     | 15.875     | 1320       | 183.4                                      | 197.2                                      | 211                                        | 396637.4          | 4.75         | 9.57         |               |
| 60-3293 | OZ <sup>®</sup> | 112.5                                       | 129.65     | 1          | 40         | 47.9                                       | 50.9                                       | 54                                         | 2250              | 14.03        | 28.25        | B1            |
|         |                 | 6048.3                                      | 3293       | 25.4       | 1016       | 233.7                                      | 248.8                                      | 263.8                                      | 307254.9          | 4.28         | 8.61         |               |
| 61-3801 | OZ <sup>®</sup> | 113.2                                       | 149.65     | 0.5        | 60         | 33.5                                       | 36.2                                       | 38.9                                       | 3397              | 16.65        | 33.49        | B1            |
|         |                 | 6087.7                                      | 3801       | 12.7       | 1524       | 163.7                                      | 176.8                                      | 189.9                                      | 463883.7          | 5.07         | 10.21        |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ<sup>®</sup>.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area | Coating Area | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|--------------|--------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |              |              |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |              |              |               |
| 61-3699 | OZ®           | 113.7             | 145.65     | 0.562      | 56         | 35.7              | 38.5              | 41.2              | 3183.4            | 16.12        | 32.44        | B1            |
|         |               | 6112.5            | 3699.4     | 14.288     | 1422       | 174.4             | 187.8             | 201.2             | 434722.4          | 4.91         | 9.89         |               |
| 62-3547 | OZ®           | 114.7             | 139.65     | 0.688      | 50         | 39.8              | 42.6              | 45.5              | 2868.3            | 15.34        | 30.87        | B1            |
|         |               | 6168.5            | 3547       | 17.462     | 1270       | 194.1             | 208.1             | 222.1             | 391697.8          | 4.67         | 9.41         |               |
| 62-3344 | OZ®           | 115               | 131.65     | 0.938      | 42         | 46.6              | 49.7              | 52.7              | 2415.7            | 14.29        | 28.78        | B1            |
|         |               | 6184.6            | 3343.8     | 23.812     | 1066       | 227.7             | 242.6             | 257.4             | 329888.7          | 4.36         | 8.77         |               |
| 63-3496 | OZ®           | 116.5             | 137.65     | 0.75       | 48         | 41.8              | 44.7              | 47.6              | 2796.3            | 15.08        | 30.35        | B1            |
|         |               | 6264.2            | 3496.2     | 19.05      | 1219       | 203.9             | 218.1             | 232.3             | 381863.7          | 4.6          | 9.25         |               |
| 63-3395 | OZ®           | 116.6             | 133.65     | 0.875      | 43         | 45.2              | 48.2              | 51.2              | 2565.1            | 14.55        | 29.3         | B1            |
|         |               | 6268.7            | 3394.6     | 22.225     | 1117       | 220.8             | 235.4             | 250               | 350292.2          | 4.44         | 8.93         |               |
| 64-3649 | OZ®           | 118.6             | 143.65     | 0.625      | 53         | 38.2              | 40.9              | 43.7              | 3201.6            | 15.86        | 31.92        | B1            |
|         |               | 6375.1            | 3648.6     | 15.875     | 1371       | 186.3             | 199.9             | 213.5             | 437206.6          | 4.83         | 9.73         |               |
| 66-3344 | OZ®           | 121.9             | 131.65     | 1          | 42         | 49.1              | 52.1              | 55.2              | 2559.6            | 14.29        | 28.78        | B1            |
|         |               | 6552.9            | 3343.8     | 25.4       | 1066       | 239.6             | 254.5             | 269.3             | 349533.9          | 4.36         | 8.77         |               |
| 66-3598 | OZ®           | 122.1             | 141.65     | 0.688      | 52         | 40.4              | 43.3              | 46.1              | 3175.3            | 15.6         | 31.4         | B1            |
|         |               | 6566              | 3597.8     | 17.462     | 1320       | 197.4             | 211.2             | 225               | 433615.5          | 4.75         | 9.57         |               |
| 67-3395 | OZ®           | 124.1             | 133.65     | 0.938      | 43         | 47.7              | 50.7              | 53.7              | 2730.6            | 14.55        | 29.3         | B1            |
|         |               | 6673              | 3394.6     | 23.812     | 1117       | 233.1             | 247.7             | 262.4             | 372889.9          | 4.44         | 8.93         |               |
| 67-3547 | OZ®           | 124.4             | 139.65     | 0.75       | 50         | 42.5              | 45.4              | 48.3              | 3109.9            | 15.34        | 30.87        | B1            |
|         |               | 6687.9            | 3547       | 19.05      | 1270       | 207.7             | 221.7             | 235.7             | 424683.4          | 4.67         | 9.41         |               |
| 67-3496 | OZ®           | 125.4             | 137.65     | 0.812      | 48         | 44.5              | 47.4              | 50.3              | 3010.6            | 15.08        | 30.35        | B1            |
|         |               | 6744.2            | 3496.2     | 20.638     | 1219       | 217.1             | 231.3             | 245.5             | 411124.1          | 4.6          | 9.25         |               |
| 68-3699 | OZ®           | 125.6             | 145.65     | 0.625      | 56         | 38.7              | 41.5              | 44.2              | 3516.4            | 16.12        | 32.44        | B1            |
|         |               | 6752              | 3699.4     | 15.875     | 1422       | 189.1             | 202.5             | 216               | 480200            | 4.91         | 9.89         |               |
| 68-3801 | OZ®           | 126.7             | 149.65     | 0.562      | 60         | 36.7              | 39.4              | 42                | 3799.9            | 16.65        | 33.49        | B1            |
|         |               | 6809.8            | 3801       | 14.288     | 1524       | 179.1             | 192.2             | 205.3             | 518906.1          | 5.07         | 10.21        |               |
| 70-3649 | OZ®           | 129.7             | 143.65     | 0.688      | 53         | 41.1              | 43.9              | 46.7              | 3501.5            | 15.86        | 31.92        | B1            |
|         |               | 6972.3            | 3648.6     | 17.462     | 1371       | 200.7             | 214.3             | 227.9             | 478159.3          | 4.83         | 9.73         |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area     | Coating Area     | Configuration |
|---------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|---------------|
|         |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |                  |                  |               |
|         |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | in⁴/ft<br>(cm⁴/m) | ft²/ft<br>(m²/m) | ft²/ft<br>(m²/m) |               |
| 71-3395 | OZ®           | 131.6             | 133.65     | 1          | 43         | 50.3              | 53.3              | 56.3              | 2894.6            | 14.55            | 29.3             | B1            |
|         |               | 7073.8            | 3394.6     | 25.4       | 1117       | 245.4             | 260.1             | 274.7             | 395284.3          | 4.44             | 8.93             |               |
| 71-3598 | OZ®           | 132.5             | 141.65     | 0.75       | 52         | 43.3              | 46.1              | 49                | 3444.1            | 15.6             | 31.4             | B1            |
|         |               | 7121.8            | 3597.8     | 19.05      | 1320       | 211.4             | 225.2             | 239               | 470321.3          | 4.75             | 9.57             |               |
| 72-3547 | OZ®           | 134               | 139.65     | 0.812      | 50         | 45.3              | 48.2              | 51.1              | 3349.6            | 15.34            | 30.87            | B1            |
|         |               | 7203.4            | 3547       | 20.638     | 1270       | 221.3             | 235.3             | 249.3             | 457415.3          | 4.67             | 9.41             |               |
| 72-3496 | OZ®           | 134.3             | 137.65     | 0.875      | 48         | 47.2              | 50.1              | 53                | 3223.2            | 15.08            | 30.35            | B1            |
|         |               | 7220.3            | 3496.2     | 22.225     | 1219       | 230.3             | 244.5             | 258.7             | 440149.9          | 4.6              | 9.25             |               |
| 74-3699 | OZ®           | 137.4             | 145.65     | 0.688      | 56         | 41.7              | 44.5              | 47.2              | 3847.2            | 16.12            | 32.44            | B1            |
|         |               | 7387              | 3699.4     | 17.462     | 1422       | 203.8             | 217.2             | 230.7             | 525364.1          | 4.91             | 9.89             |               |
| 75-3801 | OZ®           | 140               | 149.65     | 0.625      | 60         | 39.8              | 42.5              | 45.2              | 4200.2            | 16.65            | 33.49            | B1            |
|         |               | 7527.3            | 3801       | 15.875     | 1524       | 194.5             | 207.6             | 220.7             | 573581.2          | 5.07             | 10.21            |               |
| 76-3649 | OZ®           | 140.7             | 143.65     | 0.75       | 53         | 44                | 46.8              | 49.6              | 3799.2            | 15.86            | 31.92            | B1            |
|         |               | 7565.2            | 3648.6     | 19.05      | 1371       | 215               | 228.6             | 242.2             | 518818.7          | 4.83             | 9.73             |               |
| 77-3598 | OZ®           | 142.7             | 141.65     | 0.812      | 52         | 46.2              | 49                | 51.8              | 3710.9            | 15.6             | 31.4             | B1            |
|         |               | 7673.5            | 3597.8     | 20.638     | 1320       | 225.3             | 239.1             | 252.9             | 506754.7          | 4.75             | 9.57             |               |
| 77-3496 | OZ®           | 143.1             | 137.65     | 0.938      | 48         | 49.9              | 52.8              | 55.7              | 3434              | 15.08            | 30.35            | B1            |
|         |               | 7692.6            | 3496.2     | 23.812     | 1219       | 243.4             | 257.6             | 271.8             | 468941.1          | 4.6              | 9.25             |               |
| 77-3547 | OZ®           | 143.5             | 139.65     | 0.875      | 50         | 48.1              | 51                | 53.8              | 3587.4            | 15.34            | 30.87            | B1            |
|         |               | 7714.9            | 3547       | 22.225     | 1270       | 234.8             | 248.8             | 262.8             | 489893.4          | 4.67             | 9.41             |               |
| 80-3699 | OZ®           | 149.1             | 145.65     | 0.75       | 56         | 44.8              | 47.5              | 50.2              | 4175.7            | 16.12            | 32.44            | B1            |
|         |               | 8017.8            | 3699.4     | 19.05      | 1422       | 218.5             | 231.9             | 245.3             | 570222.7          | 4.91             | 9.89             |               |
| 82-3649 | OZ®           | 151.7             | 143.65     | 0.812      | 53         | 47                | 49.7              | 52.5              | 4094.9            | 15.86            | 31.92            | B1            |
|         |               | 8153.8            | 3648.6     | 20.638     | 1371       | 229.3             | 242.9             | 256.5             | 559190.4          | 4.83             | 9.73             |               |
| 82-3496 | OZ®           | 151.8             | 137.65     | 1          | 48         | 52.5              | 55.4              | 58.4              | 3643.1            | 15.08            | 30.35            | B1            |
|         |               | 8161.1            | 3496.2     | 25.4       | 1219       | 256.5             | 270.7             | 284.9             | 497498.9          | 4.6              | 9.25             |               |
| 82-3598 | OZ®           | 152.9             | 141.65     | 0.875      | 52         | 49                | 51.8              | 54.7              | 3975.7            | 15.6             | 31.4             | B1            |
|         |               | 8221              | 3597.8     | 22.225     | 1320       | 239.2             | 253               | 266.8             | 542915.7          | 4.75             | 9.57             |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section  | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area     | Coating Area     | Configuration |
|----------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|---------------|
|          |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              |                   |                  |                  |               |
|          |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | in⁴/ft<br>(cm⁴/m) | ft²/ft<br>(m²/m) | ft²/ft<br>(m²/m) |               |
| 82-3547  | OZ®           | 152.9             | 139.65     | 0.938      | 50         | 50.9              | 53.7              | 56.6              | 3823.4            | 15.34            | 30.87            | B1            |
|          |               | 8222.4            | 3547       | 23.812     | 1270       | 248.3             | 262.3             | 276.3             | 522120.7          | 4.67             | 9.41             |               |
| 82-3801  | OZ®           | 153.3             | 149.65     | 0.688      | 60         | 43                | 45.7              | 48.3              | 4598.1            | 16.65            | 33.49            | B1            |
|          |               | 8240.3            | 3801       | 17.462     | 1524       | 209.9             | 223               | 236               | 627909            | 5.07             | 10.21            |               |
| 86-3699  | OZ®           | 160.8             | 145.65     | 0.812      | 56         | 47.7              | 50.5              | 53.2              | 4501.9            | 16.12            | 32.44            | B1            |
|          |               | 8644.1            | 3699.4     | 20.638     | 1422       | 233.1             | 246.5             | 260               | 614770.5          | 4.91             | 9.89             |               |
| 87-3547  | OZ®           | 162.3             | 139.65     | 1          | 50         | 53.6              | 56.5              | 59.4              | 4057.6            | 15.34            | 30.87            | B1            |
|          |               | 8725.9            | 3547       | 25.4       | 1270       | 261.8             | 275.8             | 289.8             | 554096.2          | 4.67             | 9.41             |               |
| 87-3649  | OZ®           | 162.5             | 143.65     | 0.875      | 53         | 49.9              | 52.7              | 55.5              | 4388.4            | 15.86            | 31.92            | B1            |
|          |               | 8738.3            | 3648.6     | 22.225     | 1371       | 243.5             | 257.2             | 270.8             | 599274.2          | 4.83             | 9.73             |               |
| 88-3598  | OZ®           | 163               | 141.65     | 0.938      | 52         | 51.8              | 54.7              | 57.5              | 4238.6            | 15.6             | 31.4             | B1            |
|          |               | 8764.6            | 3597.8     | 23.812     | 1320       | 253.1             | 266.9             | 280.7             | 578812.6          | 4.75             | 9.57             |               |
| 89-3801  | OZ®           | 166.4             | 149.65     | 0.75       | 60         | 46.1              | 48.8              | 51.5              | 4993.4            | 16.65            | 33.49            | B1            |
|          |               | 8948.7            | 3801       | 19.05      | 1524       | 225.2             | 238.3             | 251.3             | 681889.5          | 5.07             | 10.21            |               |
| 93-3699  | OZ®           | 172.4             | 145.65     | 0.875      | 56         | 50.7              | 53.5              | 56.2              | 4825.9            | 16.12            | 32.44            | B1            |
|          |               | 9266.2            | 3699.4     | 22.225     | 1422       | 247.7             | 261.1             | 274.6             | 659012.8          | 4.91             | 9.89             |               |
| 93-3598  | OZ®           | 173.1             | 141.65     | 1          | 52         | 54.7              | 57.5              | 60.3              | 4499.4            | 15.6             | 31.4             | B1            |
|          |               | 9304              | 3597.8     | 25.4       | 1320       | 266.9             | 280.8             | 294.6             | 614438.1          | 4.75             | 9.57             |               |
| 93-3649  | OZ®           | 173.3             | 143.65     | 0.938      | 53         | 52.8              | 55.6              | 58.4              | 4679.8            | 15.86            | 31.92            | B1            |
|          |               | 9318.6            | 3648.6     | 23.812     | 1371       | 257.8             | 271.4             | 285               | 639070.3          | 4.83             | 9.73             |               |
| 97-3801  | OZ®           | 179.5             | 149.65     | 0.812      | 60         | 49.3              | 51.9              | 54.6              | 5386.1            | 16.65            | 33.49            | B1            |
|          |               | 9652.5            | 3801       | 20.638     | 1524       | 240.5             | 253.6             | 266.6             | 735522.8          | 5.07             | 10.21            |               |
| 99-3699  | OZ®           | 183.8             | 145.65     | 0.938      | 56         | 53.7              | 56.5              | 59.2              | 5147.6            | 16.12            | 32.44            | B1            |
|          |               | 9884              | 3699.4     | 23.812     | 1422       | 262.3             | 275.7             | 289.1             | 702952.4          | 4.91             | 9.89             |               |
| 99-3649  | OZ®           | 184               | 143.65     | 1          | 53         | 55.7              | 58.5              | 61.3              | 4969.2            | 15.86            | 31.92            | B1            |
|          |               | 9894.8            | 3648.6     | 25.4       | 1371       | 272               | 285.6             | 299.2             | 678583            | 4.83             | 9.73             |               |
| 104-3801 | OZ®           | 192.5             | 149.65     | 0.875      | 60         | 52.4              | 55.1              | 57.7              | 5776.4            | 16.65            | 33.49            | B1            |
|          |               | 10351.9           | 3801       | 22.225     | 1524       | 255.8             | 268.8             | 281.9             | 788816.6          | 5.07             | 10.21            |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

| Section  | Solution Type | Section Modulus   | Width      | Thickness  | Diameter   | Weight at Ratio   |                   |                   | Moment of Inertia | Surface Area     | Coating Area     | Configuration |
|----------|---------------|-------------------|------------|------------|------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|---------------|
|          |               | in³/ft<br>(cm³/m) | in<br>(mm) | in<br>(mm) | in<br>(mm) | 60%               | 80%               | 100%              | in⁴/ft<br>(cm⁴/m) | ft²/ft<br>(m²/m) | ft²/ft<br>(m²/m) |               |
|          |               |                   |            |            |            | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) | lb/ft²<br>(kg/m²) |                   |                  |                  |               |
| 105-3699 | OZ®           | 195.3             | 145.65     | 1          | 56         | 56.7              | 59.4              | 62.2              | 5467.1            | 16.12            | 32.44            | B1            |
|          |               | 10497.6           | 3699.4     | 25.4       | 1422       | 276.8             | 290.2             | 303.7             | 746586.5          | 4.91             | 9.89             |               |
| 110-3801 | OZ®           | 205.5             | 149.65     | 0.938      | 60         | 55.5              | 58.2              | 60.9              | 6164.1            | 16.65            | 33.49            | B1            |
|          |               | 11046.8           | 3801       | 23.812     | 1524       | 271               | 284               | 297.1             | 841765.9          | 5.07             | 10.21            |               |
| 117-3801 | OZ®           | 218.3             | 149.65     | 1          | 60         | 58.6              | 61.3              | 64                | 6549.4            | 16.65            | 33.49            | B1            |
|          |               | 11737.2           | 3801       | 25.4       | 1524       | 286.2             | 299.2             | 312.3             | 894375.7          | 5.07             | 10.21            |               |

\* Length of the intermediate section as percent of the outer section length(s), intermediate sheet pile length is typically 60% to 80% of the length of the outer sections or OZ®.

# Specifications

When using steel sheet pile, it is necessary to make allowances for deviations from theoretical exactness. The degree of precision obtainable in the production of sheet pile is limited by the basic character of the rolling processes and normal limitations of mill equipment. Care must be taken during installation to assure that each element is being set at the desired driving dimension.

- Dimensions typically shown are nominal.
- Actual thicknesses vary due to mill rolling practices; however, permitted variations for such dimensions are not addressed.
- Interlocks should be reasonably free-sliding when threaded.
- Terms, tolerance, dimensions, and delivery conditions are in accordance with EN 10248 and/or ASTM A6.
- Welding is in accordance with AWS D1.1.

|                          | <b>AMERICAN<br/>ASTM A 6</b> |        | <b>EUROPEAN<br/>EN 10248</b>            |
|--------------------------|------------------------------|--------|-----------------------------------------|
| <b>Mass</b>              | 5%                           | -2.5%  | ± 5%                                    |
| <b>Length</b>            | + 5in.                       | -0 in. | ± 200mm                                 |
| <b>Height</b>            |                              |        | ± 7mm                                   |
| <b>Thickness</b>         |                              |        | ± 0.5mm for ≤ 8.5mm<br>± 6% for > 8.5mm |
| <b>Width Interlocked</b> |                              |        | ± 3%                                    |
| <b>Straightness</b>      |                              |        | 0.2% of the length                      |
| <b>Ends ou of Square</b> |                              |        | 2% of the width                         |

# Available Steel Grades

| AMERICAN            |                |       | CANADIAN    |                |       | EUROPEAN  |                |       |
|---------------------|----------------|-------|-------------|----------------|-------|-----------|----------------|-------|
| ASTM                | YIELD STRENGTH |       | CSA G40.21  | YIELD STRENGTH |       | EN 10248  | YIELD STRENGTH |       |
|                     | (ksi)          | (MPa) |             | (ksi)          | (MPa) |           | (ksi)          | (MPa) |
| A 328               | 39             | 270   | Grade 260 W | 38             | 260   | S 240 GP  | 35             | 240   |
| A 572 Grade 42      | 42             | 290   | Grade 300 W | 44             | 300   | S 270 GP  | 39             | 270   |
| A 572 Grade 50      | 50             | 345   | Grade 355 W | 50             | 350   | S 320 GP  | 46             | 320   |
| A 572 Grade 55      | 55             | 380   | Grade 400 W | 58             | 400   | S 355 GP  | 51             | 355   |
| A 572 Grade 60      | 60             | 415   |             |                |       | S 390 GP  | 57             | 390   |
| A 572 Grade 65*     | 65             | 450   |             |                |       | S 430 GP  | 62             | 430   |
| A 588 Grade 50      | 50             | 345   |             |                |       | S 450 GP* | 65             | 450   |
| API 5L x70          | 70             | 485   |             |                |       |           |                |       |
| ASTM A 690 MARINER® | 50             | 345   |             |                |       |           |                |       |

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This publication contains information on the properties of hot-rolled sheet pile based on accepted engineering practices related to sheet pile products and projects. The use of the data contained herein must be supplemented with qualified professional judgment.

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