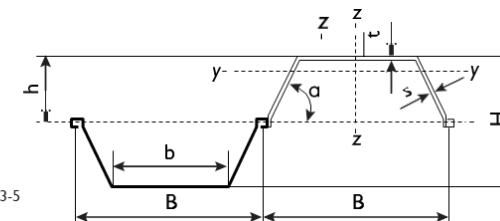


# U - PROFILE ACC. To EN 10248 I&2, 3.1 Certificate acc. To EN 10204

| Section   | Dimensions |     |      |      | Area  | Mass           |       | Moment of inertia | Elastic section modulus | Static moment | Plastic section modulus | Class*  |         |         |
|-----------|------------|-----|------|------|-------|----------------|-------|-------------------|-------------------------|---------------|-------------------------|---------|---------|---------|
|           | B          | H   | t    | s    |       | Single section | Wall  |                   |                         |               |                         | S 270GP | S 355GP | S 390GP |
|           | mm         | mm  | mm   | mm   |       | kg/m           | kg/m² |                   |                         |               |                         |         |         |         |
| Illn      | 400        | 290 | 13.0 | 9.0  | 198.1 | 62.2           | 155.5 | 23206             | 1600                    | 893           | 1785                    | 2       | 2       | **      |
| VL 504A   | 500        | 340 | 11.2 | 8.7  | 161.7 | 63.5           | 127.0 | 24198             | 1423                    | 810           | 1619                    | 2       | 2       | **      |
| VL 504    | 500        | 340 | 12.0 | 9.0  | 169.7 | 66.6           | 133.2 | 25575             | 1504                    | 854           | 1709                    | 2       | 2       | **      |
| VL 504K   | 500        | 340 | 13.0 | 9.3  | 179.1 | 70.3           | 140.6 | 27233             | 1602                    | 908           | 1816                    | 2       | 2       | **      |
| VL 507A   | 500        | 437 | 17.5 | 10.2 | 235.2 | 92.3           | 184.6 | 61185             | 2800                    | 1601          | 3202                    | 2       | 2       | **      |
| VL 601    | 600        | 310 | 7.5  | 6.4  | 98.3  | 46.3           | 77.2  | 11530             | 744                     | 432           | 834                     | 2       | 3       | **      |
| VL 601K   | 600        | 310 | 7.8  | 6.8  | 102.9 | 48.5           | 80.8  | 12019             | 775                     | 452           | 903                     | 2       | 3       | **      |
| VL 602A   | 600        | 310 | 8.0  | 7.3  | 109.0 | 51.3           | 85.5  | 12499             | 806                     | 472           | 943                     | 2       | 3       | **      |
| VL 602    | 600        | 310 | 8.4  | 7.6  | 113.3 | 53.4           | 89.0  | 13046             | 842                     | 492           | 984                     | 2       | 2       | **      |
| VL 602K   | 600        | 310 | 8.8  | 7.9  | 117.7 | 55.4           | 92.3  | 13590             | 877                     | 513           | 1025                    | 2       | 2       | **      |
| VL 603A   | 600        | 320 | 9.0  | 8.0  | 130.6 | 61.5           | 102.5 | 18205             | 1138                    | 635           | 1271                    | 3       | 4       | **      |
| VL 603    | 600        | 320 | 9.6  | 8.2  | 136.3 | 64.2           | 107.0 | 19199             | 1200                    | 669           | 1338                    | 3       | 3       | **      |
| VL 603K   | 600        | 320 | 9.8  | 9.0  | 143.9 | 67.8           | 113.0 | 19853             | 1241                    | 694           | 1389                    | 3       | 3       | **      |
| VL 603Z   | 600        | 322 | 10.0 | 10.0 | 153.1 | 72.1           | 120.2 | 20930             | 1300                    | 732           | 1464                    | 3       | 3       | **      |
| VL 603ZII | 600        | 320 | 11.0 | 11.0 | 166.9 | 78.6           | 131.0 | 22470             | 1404                    | 792           | 1583                    | 2       | 2       | **      |
| VL 604A   | 600        | 390 | 9.6  | 8.8  | 150.8 | 71.0           | 118.3 | 30495             | 1564                    | 885           | 1770                    | 3       | 3       | **      |
| VL 604    | 600        | 390 | 10.1 | 9.0  | 155.2 | 73.1           | 121.8 | 31548             | 1618                    | 915           | 1830                    | 3       | 3       | **      |
| VL 604K   | 600        | 390 | 10.4 | 9.2  | 159.7 | 75.2           | 125.3 | 32600             | 1672                    | 945           | 1890                    | 3       | 3       | **      |
| VL 604Z   | 600        | 390 | 10.8 | 10.0 | 168.8 | 79.5           | 132.5 | 34087             | 1748                    | 992           | 1935                    | 2       | 3       | **      |
| VL 604D   | 600        | 390 | 10.9 | 8.7  | 158.6 | 74.7           | 124.5 | 33330             | 1709                    | 961           | 1921                    | 2       | 3       | **      |
| VL 604E   | 600        | 390 | 10.9 | 8.7  | 170.2 | 80.2           | 133.7 | 36623             | 1878                    | 1053          | 2107                    | 2       | 2       | **      |
| VL 605A   | 600        | 390 | 12.3 | 9.0  | 162.5 | 76.5           | 127.5 | 38243             | 1821                    | 1035          | 2070                    | 2       | 3       | **      |
| VL 605    | 600        | 420 | 10.7 | 9.0  | 174.2 | 82.1           | 136.8 | 42433             | 2021                    | 1143          | 2286                    | 2       | 2       | **      |
| VL 605K   | 600        | 420 | 12.3 | 9.2  | 182.0 | 85.7           | 142.8 | 43435             | 2068                    | 1176          | 2352                    | 2       | 2       | **      |
| VL 606A   | 600        | 430 | 13.4 | 9.0  | 181.3 | 85.4           | 142.3 | 47402             | 2205                    | 1243          | 2487                    | 2       | 2       | **      |
| VL 606    | 600        | 430 | 15.8 | 9.3  | 199.3 | 93.9           | 156.5 | 53785             | 2502                    | 1406          | 2812                    | 2       | n/a     | n/a     |

## DIMENSIONS AND PROPERTIES OF SHEET PILE WALLS

\* Classification according to EN 1993-5  
\*\* Upon request



# Z - PILES ACC. To EN 10248 I&2, 3.1 Certificate acc. To EN 10204

| Profile                                                                                    | Width     | Height    | Wall thickness | Wall thickness | Weight | Weight               | Moment of inertia                      | Section modulus                        | Class* |        |        |        |
|--------------------------------------------------------------------------------------------|-----------|-----------|----------------|----------------|--------|----------------------|----------------------------------------|----------------------------------------|--------|--------|--------|--------|
|                                                                                            | b<br>(mm) | h<br>(mm) | t<br>(mm)      | s<br>(mm)      | kg/m   | (kg/m <sup>2</sup> ) | I <sub>y</sub><br>(cm <sup>4</sup> /m) | W <sub>y</sub><br>(cm <sup>3</sup> /m) | S270GP | S355GP | S390GP | S430GP |
| ZZ12-770  | 770       | 343,5     | 8,6            | 8,5            | 72,8   | 94,5                 | 21.496                                 | 1.252                                  | 2      | 3      | 3      | 3      |
| ZZ13-770  | 770       | 344,0     | 9,1            | 9,0            | 76,2   | 99,0                 | 22.433                                 | 1.304                                  | 2      | 3      | 3      | 3      |
| ZZ14-770                                                                                   | 770       | 344,5     | 9,6            | 9,5            | 79,6   | 103,4                | 23.370                                 | 1.357                                  | 2      | 3      | 3      | 3      |
| ZZ17-700  | 700       | 420,0     | 8,5            | 8,4            | 73,3   | 104,7                | 36.425                                 | 1.735                                  | 3      | 3      | 3      | 3      |
| ZZ18-700  | 700       | 420,5     | 9,1            | 9,0            | 76,7   | 109,6                | 38.001                                 | 1.807                                  | 2      | 3      | 3      | 3      |
| ZZ19-700                                                                                   | 700       | 421,0     | 9,6            | 9,5            | 80,2   | 114,6                | 39.578                                 | 1.880                                  | 2      | 3      | 3      | 3      |
| ZZ20-700  | 700       | 421,5     | 10,1           | 10,0           | 83,7   | 119,6                | 41.155                                 | 1.953                                  | 2      | 2      | 3      | 3      |
| ZZ24-700  | 700       | 459,2     | 11,3           | 11,2           | 95,8   | 136,9                | 55.949                                 | 2.437                                  | 2      | 2      | 2      | 3      |
| ZZ26-700  | 700       | 460,2     | 12,3           | 12,2           | 103,0  | 147,1                | 59.843                                 | 2.601                                  | 2      | 2      | 2      | 2      |
| ZZ27-700                                                                                   | 700       | 460,7     | 12,8           | 12,7           | 106,4  | 152,0                | 61.641                                 | 2.676                                  | 2      | 2      | 2      | 2      |
| ZZ28-700  | 700       | 461,2     | 13,3           | 13,2           | 110,1  | 157,3                | 63.740                                 | 2.764                                  | 2      | 2      | 2      | 2      |
| ZZ36-700  | 700       | 499,2     | 15,1           | 11,2           | 118,7  | 169,6                | 89.753                                 | 3.596                                  | 2      | 2      | 2      | 2      |
| ZZ38-700                                                                                   | 700       | 500,2     | 16,1           | 12,2           | 126,5  | 180,7                | 94.984                                 | 3.798                                  | 2      | 2      | 2      | 2      |
| ZZ40-700                                                                                   | 700       | 501,2     | 17,1           | 13,2           | 134,3  | 191,9                | 100.219                                | 3.999                                  | 2      | 2      | 2      | 2      |
| ZZ42-700                                                                                   | 700       | 499,2     | 18,1           | 14,0           | 143,0  | 204,3                | 105.543                                | 4.228                                  | 2      | 2      | 2      | 2      |
| ZZ44-700                                                                                   | 700       | 500,2     | 19,1           | 15,0           | 150,7  | 215,3                | 110.942                                | 4.436                                  | 2      | 2      | 2      | 2      |
| ZZ46-700                                                                                   | 700       | 501,2     | 20,1           | 16,0           | 158,5  | 226,4                | 116.159                                | 4.635                                  | 2      | 2      | 2      | 2      |
| ZZ48-700                                                                                   | 700       | 503,2     | 22,1           | 15,0           | 159,3  | 227,6                | 120.467                                | 4.788                                  | 2      | 2      | 2      | 2      |
| ZZ50-700                                                                                   | 700       | 504,2     | 23,1           | 16,0           | 166,7  | 238,1                | 125.358                                | 4.973                                  | 2      | 2      | 2      | 2      |
| ZZ52-700                                                                                   | 700       | 505,2     | 24,1           | 17,0           | 174,3  | 249,0                | 130.403                                | 5.162                                  | 2      | 2      | 2      | 2      |

 These Z-sheet piles are available immediately!

\* Classification according to EN 1993-5

