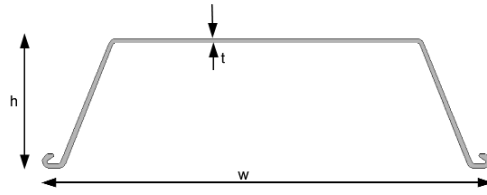


Sheet Piles



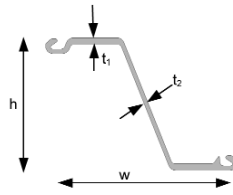
U-Type

| Designation Section | Dimension | | | Mass per Metre | | Section Area | | Second Moment of Area | | Elastic Modulus | |
|------------------------|--------------|-------------|--------------|-------------------|---|------------------------------------|---|------------------------------------|---|------------------------------------|---|
| | w | h | t | per pile | per wall width | per pile | per wall width | per pile | per wall width | per pile | per wall width |
| | mm in | mm in | mm in | kg/m lb/ft | kg/m ² lb/ft ² | cm ² in ² | cm ² /m in ² /ft | cm ⁴ in ⁴ | cm ⁴ /m in ⁴ /ft | cm ³ in ³ | cm ³ /m in ³ /ft |
| YSPI | 400 15.75 | 75 2.95 | 8.0 0.31 | 36.5 24.53 | 91.2 18.68 | 46.5 7.21 | 116.2 5.49 | 429 10.31 | 3820.00 27.97 | 66.4 4.05 | 509 9.47 |
| YSP U-5 | 400 15.75 | 80 3.15 | 7.6 0.30 | 35.5 23.85 | 88.8 18.19 | 45.2 7.01 | 113.0 5.34 | 454 10.91 | 4220 30.90 | 64.7 3.95 | 527 9.80 |
| FSP IA | 400 15.75 | 85 3.35 | 8.0 0.31 | 35.5 23.85 | 88.8 18.19 | 45.2 7.01 | 113.0 5.34 | 598 14.37 | 4500 32.95 | 88.0 5.37 | 529 9.84 |
| YSP II | 400 15.75 | 100 3.94 | 10.5 0.41 | 48.0 32.25 | 120 24.58 | 61.2 9.48 | 153.0 7.23 | 986 23.69 | 8690 63.64 | 121 7.38 | 869 16.16 |
| FSP II | 400 15.75 | 100 3.94 | 10.5 0.41 | 48.0 32.25 | 120 24.58 | 61.2 9.48 | 153.0 7.23 | 1240 29.79 | 8740 64.00 | 152 9.28 | 874 16.26 |
| YSP U-9 | 400 15.75 | 110 4.33 | 9.3 0.37 | 43.2 29.03 | 108 22.12 | 55.0 8.53 | 137.5 6.50 | 1070 25.71 | 9680 70.89 | 120 7.32 | 880 16.37 |
| FSP II A | 400 15.75 | 120 4.72 | 9.2 0.36 | 43.2 29.03 | 108 22.12 | 55.0 8.53 | 137.5 6.50 | 1460 35.08 | 10600 77.62 | 160 9.76 | 880 16.37 |
| YSP III | 400 15.75 | 125 4.92 | 13.0 0.51 | 60.0 40.32 | 150 30.72 | 76.4 11.85 | 191.1 9.03 | 1920 46.13 | 16400 120.09 | 196 11.96 | 1310 24.37 |
| FSP III | 400 15.75 | 125 4.92 | 13.0 0.51 | 60.0 40.32 | 150 30.72 | 76.4 11.85 | 191.1 9.03 | 2220 53.34 | 16800 123.02 | 223 13.61 | 1340 24.92 |
| YSP U-15 | 400 15.75 | 150 5.91 | 12.2 0.48 | 58.4 39.24 | 146 29.90 | 74.4 11.53 | 186.0 8.79 | 2700 64.87 | 22800 166.96 | 238 14.52 | 1520 28.27 |
| FSP III A | 400 15.75 | 150 5.91 | 13.1 0.52 | 58.4 39.24 | 146 29.90 | 74.4 11.53 | 186.0 8.79 | 2790 67.03 | 22800 166.96 | 250 15.26 | 1520 28.27 |
| YSP IV | 400 15.75 | 155 6.10 | 15.5 0.61 | 76.1 51.14 | 190 38.92 | 97.0 15.03 | 242.5 11.46 | 3690 88.65 | 31900 233.60 | 311 18.98 | 2060 38.32 |
| FSP IV | 400 15.75 | 170 6.69 | 15.5 0.61 | 76.1 51.14 | 190 38.92 | 97.0 15.03 | 242.5 11.46 | 4670 112.20 | 38600 282.66 | 362 22.09 | 2270 42.22 |
| YSP U-23 | 400 15.75 | 175 6.89 | 14.7 0.58 | 74.0 49.73 | 185 37.89 | 94.2 14.60 | 235.5 11.13 | 4380 105.23 | 39400 288.52 | 330 20.14 | 2250 41.85 |
| FSP IV A | 400 15.75 | 185 7.28 | 16.1 0.63 | 74.0 49.73 | 185 37.89 | 94.2 14.60 | 235.5 11.13 | 5300 127.33 | 41600 304.63 | 400 24.41 | 2250 41.85 |
| YSP V | 420 16.54 | 175 6.89 | 22.0 0.87 | 105 70.56 | 250 51.20 | 134 20.77 | 319.0 15.07 | 5950 142.95 | 55200 404.22 | 433 26.42 | 3150 58.59 |
| FSP V L | 500 19.69 | 200 7.87 | 24.3 0.96 | 105 70.56 | 210 43.01 | 134 20.74 | 267.6 12.64 | 7960 191.24 | 63000 461.34 | 520 31.73 | 3150 58.59 |
| FSP VIL | 500 19.69 | 225 8.86 | 27.6 1.09 | 120 80.64 | 240 49.16 | 153 23.72 | 306.0 14.46 | 11400 273.89 | 86000 629.77 | 680 41.50 | 3820 71.05 |

Sheet Piles

U-Type

Metric units



| Section number | Dimensions | | | Section area Per pile | Unit weight | | Moment of inertia | | Modulus of section | |
|----------------|------------|-----|------|--------------------------|-------------|--------------------------|-------------------|--------------------------|--------------------|--------------------------|
| | w | h | t | | Per pile | Per linear meter of wall | Per pile | Per linear meter of wall | Per pile | Per linear meter of wall |
| | mm | mm | mm | cm ² | kg/m | kg/m ² | cm ⁴ | cm ⁴ /m | cm ³ | cm ³ /m |
| KSP-IA | 400 | 85 | 8.0 | 45.2 | 35.5 | 88.8 | 598 | 4,500 | 88 | 529 |
| KSP-II | 400 | 100 | 10.5 | 61.2 | 48.0 | 120 | 1,190 | 8,700 | 146 | 870 |
| KSP-IIA | 400 | 120 | 9.2 | 55.0 | 43.2 | 108 | 1,450 | 10,600 | 162 | 880 |
| KSP-III | 400 | 130 | 13.0 | 76.4 | 60.0 | 150 | 2,320 | 17,400 | 232 | 1,340 |
| KSP-IIIA | 400 | 150 | 13.1 | 74.4 | 58.4 | 146 | 2,840 | 22,800 | 253 | 1,520 |
| KSP-IV | 400 | 160 | 16.0 | 96.9 | 76.1 | 190 | 4,110 | 34,400 | 334 | 2,150 |
| KSP-IVA | 400 | 180 | 16.2 | 94.2 | 74.0 | 185 | 4,910 | 40,600 | 374 | 2,250 |
| KSP-VL | 500 | 200 | 24.3 | 133.8 | 105.0 | 210 | 7,960 | 63,000 | 520 | 3,150 |
| KSP-VIL | 500 | 225 | 27.6 | 153.0 | 120.0 | 240 | 11,400 | 86,000 | 680 | 3,820 |

Z-Type

| Designation Section | Dimension | | | | Mass per Metre | | Section Area | | Second Moment of Area | | Elastic Modulus | |
|------------------------|-----------|----------|----------------|----------------|-------------------|---|------------------------------------|---|------------------------------------|---|------------------------------------|---|
| | w | h | t ₁ | t ₂ | per pile | per wall width | per pile | per wall width | per pile | per wall width | per pile | per wall width |
| | mm in | mm in | mm in | mm in | kg/m lb/ft | kg/m ² lb/ft ² | cm ² in ² | cm ² /m in ² /ft | cm ⁴ in ⁴ | cm ⁴ /m in ⁴ /ft | cm ³ in ³ | cm ³ /m in ³ /ft |
| FSP Z-25 | 400 | 305 | 13.0 | 9.6 | 74.0 | 185 | 94.3 | 235.80 | 15300 | 38300 | 1000 | 2510 |
| | 15.75 | 12.01 | 0.51 | 0.38 | 49.73 | 37.89 | 14.62 | 11.14 | 367.58 | 280.47 | 61.02 | 46.69 |
| FSP Z-32 | 400 | 344 | 14.2 | 10.4 | 84.5 | 211 | 108 | 269.25 | 22000 | 55000 | 1280 | 3200 |
| | 15.75 | 13.54 | 0.56 | 0.41 | 56.78 | 43.22 | 16.69 | 12.72 | 528.55 | 402.76 | 78.11 | 59.52 |
| FSP Z-38 | 400 | 364 | 17.2 | 11.4 | 96.0 | 240 | 122 | 305.75 | 27700 | 69200 | 1520 | 3800 |
| | 15.75 | 14.33 | 0.68 | 0.45 | 64.51 | 49.16 | 18.96 | 14.44 | 665.50 | 506.74 | 92.76 | 70.68 |
| FSP Z-45 | 400 | 367 | 21.9 | 13.2 | 116 | 290 | 148 | 370.50 | 33400 | 83500 | 1820 | 4550 |
| | 15.75 | 14.45 | 0.86 | 0.52 | 77.95 | 59.40 | 22.97 | 17.50 | 802.44 | 611.46 | 111.06 | 84.63 |