

### Straight Web Steel Sheet Piling Dimensions and Properties

| section   | effective width | effective height | Wall depth | thickness of the pile | mass        |                      | moment of inertia    | section modulus      |
|-----------|-----------------|------------------|------------|-----------------------|-------------|----------------------|----------------------|----------------------|
|           |                 |                  |            |                       | single pile | wall                 |                      |                      |
|           | (mm)            | (mm)             | (mm)       | (mm)                  | (kg/m)      | (kg/m <sup>2</sup> ) | (cm <sup>4</sup> /m) | (cm <sup>3</sup> /m) |
| YSP - FL  | 500             | 44.5             | -          | 9.5                   | 61.7        | 123.0                | 396                  | 89                   |
| YSP - FXL | 500             | 47.0             | -          | 12.7                  | 77.2        | 154.0                | 570                  | 121                  |

| Section | Nominal width | effective height | wall depth | thickness of the pile | mass        |                      | moment of inertia    | section modulus      |
|---------|---------------|------------------|------------|-----------------------|-------------|----------------------|----------------------|----------------------|
|         |               |                  |            |                       | single pile | wall                 |                      |                      |
|         | (mm)          | (mm)             | (mm)       | (mm)                  | (kg/m)      | (kg/m <sup>2</sup> ) | (cm <sup>4</sup> /m) | (cm <sup>3</sup> /m) |
| PS 27.5 | 500           | 72               | 90         | 10.2                  | 67.1        | 134.2                | 414                  | 103                  |
| PS 31.0 | 500           | 72               | 90         | 12.7                  | 75.7        | 151.4                | 414                  | 103                  |

| Section  | Nominal width | effective height | wall depth | thickness of the pile | mass        |                      | moment of inertia    | section modulus      |
|----------|---------------|------------------|------------|-----------------------|-------------|----------------------|----------------------|----------------------|
|          |               |                  |            |                       | single pile | wall                 |                      |                      |
|          | (mm)          | (mm)             | (mm)       | (mm)                  | (kg/m)      | (kg/m <sup>2</sup> ) | (cm <sup>4</sup> /m) | (cm <sup>3</sup> /m) |
| FL 511   | 500           | -                | 88         | 11.0                  | 68.0        | 136.0                | 350                  | 90                   |
| FL 512   | 500           | -                | 88         | 12.0                  | 71.0        | 142.0                | 360                  | 90                   |
| FL 512.7 | 500           | -                | 88         | 12.7                  | 73.4        | 146.8                | 360                  | 92                   |

The information within this datasheet is for guidance only. Specific information regarding the dimensions and properties can be made available by contacting Evans Piling on 0114 243 1413 or by email on [info@evanspiling.co.uk](mailto:info@evanspiling.co.uk).