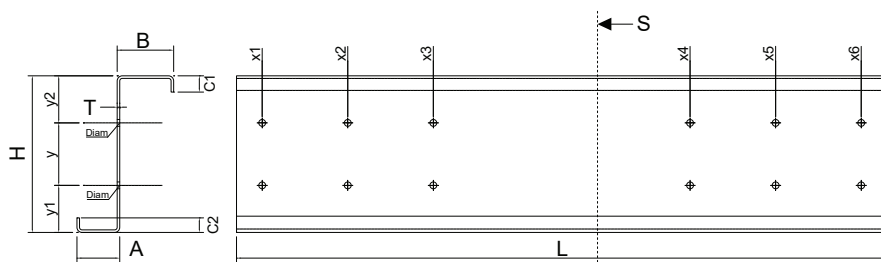




Galvanized Z profiles are used for main or secondary structures, beams and intermediate floors of all types of buildings: industrial or residential, commercial, agricultural, halls or warehouses. All galvanized profiles are custom-made, with the possibility of a variety of perforations.



The values in sections are expressed in mm

### Z profiles - technical characteristics

|                                           |                  |
|-------------------------------------------|------------------|
| Material                                  | Galvanized steel |
| Available thickness (mm)                  | 1.5 - 3          |
| Steel class                               | S 350 GD         |
| Minimum zinc coverage (g/m <sup>2</sup> ) | 275              |
| Weight (kg/m <sup>2</sup> )               | 12 - 24          |
| Minimum length* (mm)                      | 2000             |
| Maximum length - recommended (mm)         | 13500            |

\*Profiles with lengths below 2000 mm should be included in other orders, then cut to length.

- High load-bearing capacity
- Lightweight
- Extended lifespan
- Easy fitting
- Sustainable

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 100x41x46x15/1.5 | 1.5                | 100    | 41     | 46     | 15                  | 15                  | 2.472        |
| Z 100x41x46x15/2   | 2                  | 100    | 41     | 46     | 15                  | 15                  | 3.248        |
| Z 100x41x48x15/2.5 | 2.5                | 100    | 41     | 48     | 15                  | 15                  | 4.020        |
| Z 100x41x48x15/3   | 3                  | 100    | 41     | 48     | 15                  | 15                  | 4.752        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 100x41x46x15/1.5 | 298.70              | 51.18                 | 48.78                 | 464500                            | 137500                            | 9074                              | 3132                              | 212                               | 39.44               | 21.45               |
| Z 100x41x46x15/2   | 396.20              | 51.19                 | 48.77                 | 608200                            | 176600                            | 11880                             | 4046                              | 507                               | 39.18               | 21.11               |
| Z 100x41x48x15/2.5 | 496.20              | 51.67                 | 48.29                 | 755300                            | 226100                            | 14620                             | 5039                              | 1001                              | 39.02               | 21.34               |
| Z 100x41x48x15/3   | 589.90              | 51.68                 | 48.28                 | 886100                            | 260100                            | 17150                             | 5831                              | 1723                              | 38.76               | 21.00               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 100x41x46x15/1.5 | 229.10                              | 51.06                     | 48.90                     | 464400                                    | 137400                                    | 9074                                      | 3131                                      | 39.43                   | 21.45                   |
| Z 100x41x46x15/2   | 344.10                              | 51.05                     | 48.91                     | 608200                                    | 176600                                    | 11880                                     | 4045                                      | 39.18                   | 21.11                   |
| Z 100x41x48x15/2.5 | 468.00                              | 51.62                     | 48.34                     | 755500                                    | 226000                                    | 14620                                     | 5038                                      | 39.02                   | 21.34                   |
| Z 100x41x48x15/3   | 587.40                              | 51.69                     | 48.27                     | 886400                                    | 260100                                    | 17150                                     | 5830                                      | 38.77                   | 21.00                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 120x41x46x15/1.5 | 1.50               | 120    | 41     | 46     | 15                  | 15                  | 2.712        |
| Z 120x41x46x15/2   | 2.00               | 120    | 41     | 46     | 15                  | 15                  | 3.568        |
| Z 120x41x48x15/2.5 | 2.50               | 120    | 41     | 48     | 15                  | 15                  | 4.420        |
| Z 120x41x48x15/3   | 3.00               | 120    | 41     | 48     | 15                  | 15                  | 5.232        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 120x41x46x15/1.5 | 327.90              | 61.30                 | 58.66                 | 712700                            | 137600                            | 11630                             | 3125                              | 233                               | 46.62               | 20.48               |
| Z 120x41x46x15/2   | 435.40              | 61.31                 | 58.65                 | 935400                            | 176700                            | 15260                             | 4037                              | 558                               | 46.35               | 20.14               |
| Z 120x41x48x15/2.5 | 545.40              | 61.83                 | 58.13                 | 1164000                           | 226100                            | 18820                             | 5022                              | 1100                              | 46.20               | 20.36               |
| Z 120x41x48x15/3   | 649.10              | 61.85                 | 58.11                 | 1369000                           | 260200                            | 22130                             | 5811                              | 1896                              | 45.92               | 20.02               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 120x41x46x15/1.5 | 229.50                              | 61.25                     | 58.71                     | 706000                                    | 137500                                    | 11560                                     | 3124                                      | 46.56                   | 20.48                   |
| Z 120x41x46x15/2   | 348.00                              | 61.23                     | 58.73                     | 935200                                    | 176600                                    | 15250                                     | 4036                                      | 46.35                   | 20.14                   |
| Z 120x41x48x15/2.5 | 479.40                              | 61.73                     | 58.23                     | 1163000                                   | 226200                                    | 18820                                     | 5023                                      | 46.19                   | 20.36                   |
| Z 120x41x48x15/3   | 610.40                              | 61.96                     | 58.00                     | 1369000                                   | 260300                                    | 22130                                     | 5812                                      | 45.92                   | 20.03                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 150x41x46x15/1.5 | 1.50               | 150    | 41     | 46     | 15                  | 15                  | 3.072        |
| Z 150x41x46x15/2   | 2.00               | 150    | 41     | 46     | 15                  | 15                  | 4.048        |
| Z 150x41x48x15/2.5 | 2.50               | 150    | 41     | 48     | 15                  | 15                  | 5.020        |
| Z 150x41x48x15/3   | 3.00               | 150    | 41     | 48     | 15                  | 15                  | 5.952        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 150x41x46x15/1.5 | 371.70              | 76.44                 | 73.52                 | 1209000                           | 137100                            | 15820                             | 3105                              | 264                               | 57.04               | 19.21               |
| Z 150x41x46x15/2   | 494.20              | 76.46                 | 73.50                 | 1591000                           | 176200                            | 20810                             | 4014                              | 633                               | 56.74               | 18.88               |
| Z 150x41x48x15/2.5 | 619.20              | 77.03                 | 72.93                 | 1983000                           | 225800                            | 25740                             | 4992                              | 1249                              | 56.58               | 19.10               |
| Z 150x41x48x15/3   | 737.90              | 77.04                 | 72.92                 | 2339000                           | 260100                            | 30360                             | 5781                              | 2155                              | 56.30               | 18.77               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 150x41x46x15/1.5 | 229.10                              | 76.52                     | 73.44                     | 1183000                                   | 137100                                    | 15370                                     | 3104                                      | 56.82                   | 19.22                   |
| Z 150x41x46x15/2   | 350.90                              | 76.50                     | 73.46                     | 1591000                                   | 176700                                    | 20810                                     | 4024                                      | 56.74                   | 18.91                   |
| Z 150x41x48x15/2.5 | 488.80                              | 77.01                     | 72.95                     | 1983000                                   | 226300                                    | 25740                                     | 5004                                      | 56.59                   | 19.12                   |
| Z 150x41x48x15/3   | 631.60                              | 77.24                     | 72.72                     | 2339000                                   | 260500                                    | 30360                                     | 5790                                      | 56.30                   | 18.79                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 180x50x55x17/1.5 | 1.50               | 180    | 50     | 55     | 55                  | 17                  | 3.696        |
| Z 180x50x55x17/2   | 2.00               | 180    | 50     | 55     | 55                  | 17                  | 4.880        |
| Z 180x50x57x17/2.5 | 2.50               | 180    | 50     | 57     | 57                  | 17                  | 6.060        |
| Z 180x50x57x17/3   | 3.00               | 180    | 50     | 57     | 57                  | 17                  | 7.200        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 180x50x55x17/1.5 | 447.60              | 91.44                 | 88.52                 | 2114000                           | 239900                            | 23120                             | 4513                              | 318                               | 68.73               | 23.15               |
| Z 180x50x55x17/2   | 596.10              | 91.45                 | 88.51                 | 2792000                           | 310700                            | 30530                             | 5871                              | 763                               | 68.44               | 22.83               |
| Z 180x50x57x17/2.5 | 747.10              | 92.03                 | 87.93                 | 3483000                           | 396400                            | 37850                             | 7309                              | 1507                              | 68.28               | 23.03               |
| Z 180x50x57x17/3   | 891.80              | 92.04                 | 87.92                 | 4122000                           | 460000                            | 44790                             | 8521                              | 2604                              | 67.99               | 22.71               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 180x50x55x17/1.5 | 247.10                              | 90.79                     | 89.17                     | 1937000                                   | 229300                                    | 20280                                     | 4275                                      | 68.95                   | 22.77                   |
| Z 180x50x55x17/2   | 384.20                              | 91.50                     | 88.46                     | 2742000                                   | 311500                                    | 30050                                     | 5887                                      | 68.22                   | 22.86                   |
| Z 180x50x57x17/2.5 | 536.90                              | 92.03                     | 87.93                     | 3484000                                   | 397300                                    | 37850                                     | 7326                                      | 68.29                   | 23.06                   |
| Z 180x50x57x17/3   | 699.90                              | 92.00                     | 87.96                     | 4123000                                   | 460800                                    | 44790                                     | 8534                                      | 67.99                   | 22.73                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 200x50x55x17/1.5 | 1.50               | 200    | 50     | 55     | 17                  | 17                  | 3.936        |
| Z 200x50x55x17/2   | 2.00               | 200    | 50     | 55     | 17                  | 17                  | 5.200        |
| Z 200x50x57x17/2.5 | 2.50               | 200    | 50     | 57     | 17                  | 17                  | 6.460        |
| Z 200x50x57x17/3   | 3.00               | 200    | 50     | 57     | 17                  | 17                  | 7.680        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 200x50x55x17/1.5 | 476.80              | 101.50                | 98.46                 | 2719000                           | 240500                            | 26790                             | 4518                              | 339                               | 75.51               | 22.46               |
| Z 200x50x55x17/2   | 635.30              | 101.50                | 98.45                 | 3593000                           | 311300                            | 35400                             | 5875                              | 814                               | 75.21               | 22.14               |
| Z 200x50x57x17/2.5 | 796.30              | 102.10                | 97.85                 | 4487000                           | 397200                            | 43940                             | 7311                              | 1606                              | 75.06               | 22.33               |
| Z 200x50x57x17/3   | 951.00              | 102.10                | 97.83                 | 5315000                           | 460700                            | 52040                             | 8519                              | 2777                              | 74.76               | 22.01               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 200x50x55x17/1.5 | 245.90                              | 100.90                    | 99.11                     | 2428000                                   | 227200                                    | 22420                                     | 4228                                      | 76.23                   | 21.97                   |
| Z 200x50x55x17/2   | 383.90                              | 101.60                    | 98.32                     | 3513000                                   | 311600                                    | 34360                                     | 5881                                      | 74.89                   | 22.15                   |
| Z 200x50x57x17/2.5 | 538.50                              | 102.20                    | 97.73                     | 4466000                                   | 397400                                    | 43850                                     | 7316                                      | 75.00                   | 22.34                   |
| Z 200x50x57x17/3   | 704.40                              | 102.20                    | 97.78                     | 5313000                                   | 460900                                    | 52030                                     | 8522                                      | 74.75                   | 22.02                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 250x60x68x20/1.5 | 1.50               | 250    | 60     | 68     | 20                  | 20                  | 4.884        |
| Z 250x60x68x20/2   | 2.00               | 250    | 60     | 68     | 20                  | 20                  | 6.464        |
| Z 250x60x68x20/2.5 | 2.50               | 250    | 60     | 68     | 20                  | 20                  | 8.000        |
| Z 250x60x68x20/3   | 3.00               | 250    | 60     | 68     | 20                  | 20                  | 9.528        |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>t</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>y</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 250x60x68x20/1.5 | 592.10              | 127.40                | 122.50                | 5274000                           | 440000                            | 41390                             | 6703                              | 421                               | 94.38               | 27.26               |
| Z 250x60x68x20/2   | 790.10              | 127.40                | 122.50                | 6993000                           | 573500                            | 54870                             | 8768                              | 1012                              | 94.08               | 26.94               |
| Z 250x60x68x20/2.5 | 985.70              | 127.50                | 122.50                | 8667000                           | 698500                            | 68000                             | 10720                             | 1988                              | 93.77               | 26.62               |
| Z 250x60x68x20/3   | 1,179.00            | 127.50                | 122.50                | 10290000                          | 815500                            | 80760                             | 12560                             | 3443                              | 93.44               | 26.30               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>y,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 250x60x68x20/1.5 | 257.30                              | 125.20                    | 124.70                    | 4242000                                   | 388300                                    | 29650                                     | 5797                                      | 95.63                   | 25.95                   |
| Z 250x60x68x20/2   | 420.60                              | 127.30                    | 122.60                    | 6384000                                   | 545700                                    | 47330                                     | 8277                                      | 94.65                   | 26.43                   |
| Z 250x60x68x20/2.5 | 591.10                              | 127.70                    | 122.30                    | 8458000                                   | 697100                                    | 65880                                     | 10690                                     | 93.34                   | 26.60                   |
| Z 250x60x68x20/3   | 776.30                              | 127.60                    | 122.30                    | 10210000                                  | 816300                                    | 80480                                     | 12570                                     | 93.32                   | 26.31                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 300x65x72x20/1.5 | 1.50               | 300    | 65     | 72     | 20                  | 20                  | 5.592        |
| Z 300x65x72x20/2   | 2.00               | 300    | 65     | 72     | 20                  | 20                  | 7.408        |
| Z 300x65x72x20/2.5 | 2.50               | 300    | 65     | 72     | 20                  | 20                  | 9.180        |
| Z 300x65x72x20/3   | 3.00               | 300    | 65     | 72     | 20                  | 20                  | 10.944       |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>y</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>z</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 300x65x72x20/1.5 | 678.30              | 152.20                | 147.70                | 8477000                           | 525600                            | 55680                             | 7514                              | 482                               | 111.80              | 27.84               |
| Z 300x65x72x20/2   | 905.80              | 152.20                | 147.70                | 11250000                          | 686100                            | 73930                             | 9842                              | 1160                              | 111.50              | 27.52               |
| Z 300x65x72x20/2.5 | 1,131.00            | 152.20                | 147.70                | 13970000                          | 837000                            | 91760                             | 12050                             | 2281                              | 111.10              | 27.21               |
| Z 300x65x72x20/3   | 1,354.00            | 152.30                | 147.70                | 16620000                          | 978600                            | 109200                            | 14140                             | 3953                              | 110.80              | 26.89               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>z,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 300x65x72x20/1.5 | 253.00                              | 149.90                    | 150.00                    | 6339000                                   | 443300                                    | 35260                                     | 6185                                      | 113.80                  | 25.98                   |
| Z 300x65x72x20/2   | 422.20                              | 151.40                    | 148.60                    | 9659000                                   | 629200                                    | 57800                                     | 8916                                      | 113.20                  | 26.58                   |
| Z 300x65x72x20/2.5 | 600.20                              | 152.50                    | 147.50                    | 12920000                                  | 808800                                    | 80450                                     | 11590                                     | 111.60                  | 26.83                   |
| Z 300x65x72x20/3   | 792.60                              | 152.50                    | 147.50                    | 16220000                                  | 978100                                    | 105800                                    | 14130                                     | 110.30                  | 26.88                   |

### Dimensions and sectional features

| Product name       | Thickness "T" (mm) | H (mm) | A (mm) | B (mm) | C <sub>1</sub> (mm) | C <sub>2</sub> (mm) | Load (kg/ml) |
|--------------------|--------------------|--------|--------|--------|---------------------|---------------------|--------------|
| Z 400x70x78x25/2   | 2.00               | 400    | 70     | 78     | 25                  | 25                  | 9.344        |
| Z 400x70x78x25/2.5 | 2.50               | 400    | 70     | 78     | 25                  | 25                  | 11.600       |
| Z 400x70x78x25/3   | 3.00               | 400    | 70     | 78     | 25                  | 25                  | 13.848       |

### Minimum geometrical characteristics of the raw section

| Product name       | A (m <sup>2</sup> ) | Z <sub>g,1</sub> (mm) | Z <sub>g,2</sub> (mm) | I <sub>y</sub> (mm <sup>4</sup> ) | I <sub>z</sub> (mm <sup>4</sup> ) | W <sub>y</sub> (mm <sup>3</sup> ) | W <sub>z</sub> (mm <sup>3</sup> ) | I <sub>y</sub> (mm <sup>4</sup> ) | i <sub>z</sub> (mm) | i <sub>z</sub> (mm) |
|--------------------|---------------------|-----------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------|---------------------|
| Z 400x70x78x25/2   | 1143                | 202.70                | 197.30                | 24220000                          | 944000                            | 119500                            | 12470                             | 1464                              | 145.60              | 28.74               |
| Z 400x70x78x25/2.5 | 1429                | 202.70                | 197.20                | 30130000                          | 1156000                           | 148600                            | 15320                             | 2882                              | 145.20              | 28.44               |
| Z 400x70x78x25/3   | 1712                | 202.70                | 197.20                | 35930000                          | 1356000                           | 177300                            | 18030                             | 4999                              | 144.90              | 28.15               |

### Minimum geometric features of the effective cross section

| Product name       | A <sub>eff</sub> (mm <sup>2</sup> ) | Z <sub>g,1,eff</sub> (mm) | Z <sub>g,2,eff</sub> (mm) | I <sub>y,eff,min</sub> (mm <sup>4</sup> ) | I <sub>z,eff,min</sub> (mm <sup>4</sup> ) | W <sub>y,eff,min</sub> (mm <sup>3</sup> ) | W <sub>z,eff,min</sub> (mm <sup>3</sup> ) | i <sub>z,min</sub> (mm) | i <sub>z,min</sub> (mm) |
|--------------------|-------------------------------------|---------------------------|---------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------|-------------------------|
| Z 400x70x78x25/2   | 447.50                              | 201.50                    | 198.40                    | 19280000                                  | 851800                                    | 82460                                     | 11110                                     | 150.20                  | 27.55                   |
| Z 400x70x78x25/2.5 | 644.50                              | 203.50                    | 196.50                    | 26090000                                  | 1101000                                   | 115400                                    | 14510                                     | 148.80                  | 27.88                   |
| Z 400x70x78x25/3   | 852.80                              | 203.50                    | 196.40                    | 32810000                                  | 1342000                                   | 150800                                    | 17830                                     | 146.90                  | 28.03                   |