



**UNIVERSAL COLUMNS | SANS 50025 / EN 10025 Grade S355JR**

Universal columns are commonly referred to as H-beams, due to the “H”-shaped profile.

The vertical middle section of the beam is known as the web and the horizontal component is known as the flange. The web and the flange are the same length/dimensions. Sizes are determined by the web, flange and weight per metre.

**Production application**

Universal columns are typically used in construction and civil engineering applications.

| Size       | Kg/m    | Web dimensions (mm) | Flange dimensions (mm) | Height (mm) | Width (mm) |
|------------|---------|---------------------|------------------------|-------------|------------|
| 152 x 152  | 23.000  | 6.100               | 6.800                  | 152.400     | 152.400    |
| 152 x 152  | 30.000  | 6.600               | 9.400                  | 157.400     | 152.900    |
| 152 x 152  | 37.000  | 8.100               | 11.500                 | 161.800     | 154.400    |
| 203 x 203  | 46.100  | 7.300               | 11.000                 | 203.200     | 203.200    |
| 203 x 203  | 52.000  | 8.000               | 12.500                 | 206.200     | 203.900    |
| 203 x 203  | 60.000  | 9.300               | 14.200                 | 209.600     | 205.200    |
| 203 x 203  | 71.000  | 10.300              | 17.300                 | 215.900     | 206.200    |
| 203 x 203  | 86.100  | 13.000              | 20.500                 | 222.300     | 208.800    |
| 254 x 254  | 73.100  | 8.600               | 14.200                 | 254.200     | 254.000    |
| 254 x 254  | 88.900  | 10.500              | 17.300                 | 260.400     | 255.900    |
| 254 x 254  | 107.100 | 13.000              | 20.500                 | 266.000     | 258.000    |
| 254 x 254  | 132.000 | 15.600              | 25.100                 | 276.400     | 261.000    |
| 254 x 254  | 167.000 | 19.200              | 31.700                 | 289.100     | 264.500    |
| 305 x 305  | 96.900  | 9.900               | 15.400                 | 307.800     | 304.800    |
| 305 x 305  | 117.900 | 11.900              | 18.700                 | 314.500     | 306.800    |
| 305 x 305  | 136.900 | 13.800              | 21.700                 | 320.500     | 308.700    |
| 305 x 305  | 158.100 | 15.700              | 25.000                 | 327.200     | 310.600    |
| 305 x 305* | 198.100 | 19.100              | 31.400                 | 339.900     | 314.500    |

\* Please confirm availability with your local Trading branch as some items may not be readily available.