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# Technische eigenschappen balkstaal UC



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# Technische eigenschappen van de balken UC

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Britse universele H-secties

| Omschrijving       | G<br>kg/m | Afmetingen |         |          |          |         |                      | Statistische waarden  |                         |                         |          |                       |                         |                         |          |
|--------------------|-----------|------------|---------|----------|----------|---------|----------------------|-----------------------|-------------------------|-------------------------|----------|-----------------------|-------------------------|-------------------------|----------|
|                    |           |            |         |          |          |         |                      | Sterke as             |                         |                         |          | Zwakke as             |                         |                         |          |
|                    |           | h<br>mm    | b<br>mm | tw<br>mm | tf<br>mm | r<br>mm | I<br>cm <sup>2</sup> | Iy<br>cm <sup>4</sup> | Wely<br>cm <sup>3</sup> | Wply<br>cm <sup>3</sup> | iy<br>cm | Iz<br>cm <sup>4</sup> | Welz<br>cm <sup>3</sup> | Wplz<br>cm <sup>3</sup> | iz<br>cm |
| UC 152 x 152 x 23  | 23,0      | 152,4      | 152     | 5,8      | 6,8      | 8       | 29,25                | 1.250                 | 164,04                  | 181,98                  | 6,54     | 399,92                | 52,55                   | 80,16                   | 3,70     |
| UC 152 x 152 x 30  | 30,0      | 157,6      | 153     | 6,5      | 9,4      | 8       | 38,26                | 1.748                 | 221,83                  | 247,66                  | 6,76     | 560,46                | 73,31                   | 111,59                  | 3,83     |
| UC 152 x 152 x 37  | 37,0      | 161,8      | 154     | 8,0      | 11,5     | 8       | 47,11                | 2.211                 | 273,30                  | 308,76                  | 6,85     | 706,25                | 91,48                   | 139,58                  | 3,87     |
| UC 203 x 203 x 46  | 46,1      | 203,2      | 204     | 7,2      | 11,0     | 10      | 58,73                | 4.568                 | 449,61                  | 497,44                  | 8,82     | 1.548,21              | 152,08                  | 230,87                  | 5,13     |
| UC 203 x 203 x 52  | 52,0      | 206,2      | 204     | 7,9      | 12,5     | 10      | 66,28                | 5.259                 | 510,09                  | 567,39                  | 8,91     | 1.777,62              | 174,02                  | 264,25                  | 5,18     |
| UC 203 x 203 x 60  | 60,0      | 209,6      | 206     | 9,4      | 14,2     | 10      | 76,37                | 6.125                 | 584,45                  | 656,07                  | 8,96     | 2.064,60              | 200,64                  | 305,34                  | 5,20     |
| UC 203 x 203 x 71  | 71,0      | 215,8      | 206     | 10,0     | 17,3     | 10      | 90,43                | 7.618                 | 706,02                  | 798,76                  | 9,18     | 2.537,29              | 245,86                  | 373,68                  | 5,30     |
| UC 203 x 203 x 86  | 86,1      | 222,2      | 209     | 12,7     | 20,5     | 10      | 109,64               | 9.449                 | 850,50                  | 976,73                  | 9,28     | 3.127,46              | 299,14                  | 456,24                  | 5,34     |
| UC 254 x 254 x 73  | 73,1      | 254,1      | 255     | 8,6      | 14,2     | 13      | 93,10                | 11.407                | 897,84                  | 992,07                  | 11,07    | 3.907,80              | 306,98                  | 465,39                  | 6,48     |
| UC 254 x 254 x 89  | 88,9      | 260,3      | 256     | 10,3     | 17,3     | 13      | 113,31               | 14.268                | 1.096,27                | 1.223,86                | 11,22    | 4.857,48              | 379,05                  | 575,31                  | 6,55     |
| UC 254 x 254 x 107 | 107,1     | 266,7      | 259     | 12,8     | 20,5     | 13      | 136,38               | 17.510                | 1.313,09                | 1.484,43                | 11,33    | 5.927,57              | 458,08                  | 697,04                  | 6,59     |
| UC 254 x 254 x 132 | 132,0     | 276,3      | 261     | 15,3     | 25,3     | 13      | 168,14               | 22.529                | 1.630,76                | 1.869,41                | 11,58    | 7.531,28              | 576,45                  | 878,37                  | 6,69     |
| UC 254 x 254 x 167 | 167,1     | 289,1      | 265     | 19,2     | 31,7     | 13      | 212,86               | 29.998                | 2.075,27                | 2.423,67                | 11,87    | 9.869,90              | 744,34                  | 1.137,27                | 6,81     |
| UC 305 x 305 x 97  | 96,9      | 307,9      | 305     | 9,9      | 15,4     | 15      | 123,45               | 22.249                | 1.445,21                | 1.592,08                | 13,42    | 7.307,60              | 478,72                  | 726,15                  | 7,69     |
| UC 305 x 305 x 118 | 117,9     | 314,5      | 307     | 12,0     | 18,7     | 15      | 150,20               | 27.672                | 1.759,75                | 1.957,54                | 13,57    | 9.059,10              | 589,40                  | 895,37                  | 7,77     |
| UC 305 x 305 x 137 | 136,9     | 320,5      | 309     | 13,8     | 21,7     | 15      | 174,42               | 32.814                | 2.047,68                | 2.296,56                | 13,72    | 10.699,55             | 692,08                  | 1.052,55                | 7,83     |
| UC 305 x 305 x 158 | 158,1     | 327,1      | 311     | 15,8     | 25,0     | 15      | 201,37               | 38.747                | 2.369,12                | 2.680,45                | 13,87    | 12.569,43             | 807,80                  | 1.230,10                | 7,90     |
| UC 305 x 305 x 198 | 198,1     | 339,9      | 315     | 19,1     | 31,4     | 15      | 252,42               | 50.904                | 2.995,23                | 3.439,99                | 14,20    | 16.299,05             | 1.036,51                | 1.580,73                | 8,04     |
| UC 305 x 305 x 240 | 240,0     | 352,5      | 318     | 23,0     | 37,7     | 15      | 305,79               | 64.203                | 3.642,72                | 4.247,08                | 14,49    | 20.314,59             | 1.276,04                | 1.950,59                | 8,15     |
| UC 305 x 305 x 283 | 282,9     | 365,3      | 322     | 26,8     | 44,1     | 15      | 360,43               | 78.872                | 4.318,20                | 5.105,20                | 14,79    | 24.634,85             | 1.529,17                | 2.342,16                | 8,27     |
| UC 356 x 368 x 129 | 129,0     | 355,6      | 369     | 10,4     | 17,5     | 15      | 164,34               | 40.246                | 2.263,55                | 2.479,28                | 15,65    | 14.611,36             | 792,80                  | 1.199,20                | 9,43     |

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Britse universele H-secties

| Omschrijving       | G<br>kg/m | Afmetingen |         |          |          |         |                      | Statistische waarden              |                                     |                                     |                      |                                   |                                     |                                    |                      |
|--------------------|-----------|------------|---------|----------|----------|---------|----------------------|-----------------------------------|-------------------------------------|-------------------------------------|----------------------|-----------------------------------|-------------------------------------|------------------------------------|----------------------|
|                    |           |            |         |          |          |         |                      | Sterke as                         |                                     |                                     |                      | Zwakke as                         |                                     |                                    |                      |
|                    |           | h<br>mm    | b<br>mm | tw<br>mm | tf<br>mm | r<br>mm | I<br>cm <sup>2</sup> | I <sub>y</sub><br>cm <sup>4</sup> | W <sub>ely</sub><br>cm <sup>3</sup> | W <sub>ply</sub><br>cm <sup>3</sup> | i <sub>y</sub><br>cm | I <sub>z</sub><br>cm <sup>4</sup> | W <sub>elz</sub><br>cm <sup>3</sup> | W <sub>pz</sub><br>cm <sup>3</sup> | i <sub>z</sub><br>cm |
| UC 356 x 368 x 153 | 152,9     | 362,0      | 371     | 12,3     | 20,7     | 15      | 194,80               | 48.589                            | 2.684,48                            | 2.964,74                            | 15,79                | 17.553,17                         | 947,54                              | 1.434,77                           | 9,49                 |
| UC 356 x 368 x 177 | 177,0     | 368,2      | 373     | 14,4     | 23,8     | 15      | 225,51               | 57.118                            | 3.102,55                            | 3.455,25                            | 15,91                | 20.529,28                         | 1.101,95                            | 1.670,81                           | 9,54                 |
| UC 356 x 368 x 202 | 201,9     | 374,6      | 375     | 16,5     | 27,0     | 15      | 257,22               | 66.261                            | 3.537,69                            | 3.971,75                            | 16,05                | 23.688,41                         | 1.264,39                            | 1.919,53                           | 9,60                 |
| UC 356 x 406 x 235 | 235,1     | 381,0      | 395     | 18,4     | 30,2     | 15      | 299,43               | 79.085                            | 4.151,44                            | 4.686,51                            | 16,25                | 30.993,23                         | 1.570,07                            | 2.383,23                           | 10,17                |
| UC 356 x 406 x 287 | 287,1     | 393,6      | 399     | 22,6     | 36,5     | 15      | 365,71               | 99.875                            | 5.074,95                            | 5.812,49                            | 16,53                | 38.677,35                         | 1.938,71                            | 2.949,27                           | 10,28                |
| UC 356 x 406 x 340 | 339,9     | 406,4      | 403     | 26,6     | 42,9     | 15      | 433,04               | 122.543                           | 6.030,66                            | 6.999,09                            | 16,82                | 46.853,32                         | 2.325,23                            | 3.543,70                           | 10,40                |
| UC 356 x 406 x 393 | 393,0     | 419,0      | 407     | 30,6     | 49,2     | 15      | 500,58               | 146.618                           | 6.998,47                            | 8.222,45                            | 17,11                | 55.367,34                         | 2.720,75                            | 4.153,73                           | 10,52                |
| UC 356 x 406 x 467 | 467,0     | 436,6      | 412     | 35,8     | 58,0     | 15      | 594,91               | 183.003                           | 8.383,10                            | 10.002,47                           | 17,54                | 67.833,62                         | 3.291,30                            | 5.034,31                           | 10,68                |
| UC 356 x 406 x 551 | 551,0     | 455,6      | 419     | 42,1     | 67,5     | 15      | 701,93               | 226.938                           | 9.962,16                            | 12.076,27                           | 17,98                | 82.670,53                         | 3.950,80                            | 6.057,96                           | 10,85                |
| UC 356 x 406 x 634 | 633,9     | 474,6      | 424     | 47,6     | 77,0     | 15      | 807,55               | 274.845                           | 11.582,17                           | 14.235,11                           | 18,45                | 98.125,09                         | 4.628,54                            | 7.108,37                           | 11,02                |

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