

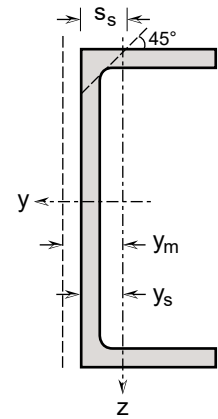
## Miscellaneous channels with parallel flanges

Dimensions: in accordance with EN 10365  
Tolerances: EN 10279: 2000

| General properties |           |            |         |                      |                      |  |                          |                |
|--------------------|-----------|------------|---------|----------------------|----------------------|--|--------------------------|----------------|
| Designation        |           | Dimensions |         |                      |                      |  | Dimensions for detailing |                |
|                    | G<br>kg/m | h<br>mm    | b<br>mm | t <sub>w</sub><br>mm | t <sub>f</sub><br>mm | A<br>mm <sup>2</sup><br>x10 <sup>2</sup> | h <sub>i</sub><br>mm     | d<br>mm        |
| UPA 50x25x3        | 2.3       | 50         | 25      | 3                    | 3                    | 2.86                                     | 44.00                    | 38.0*          |
| UPA 60x30x5        | 4.5       | 60         | 30      | 5                    | 5                    | 5.61                                     | 50.00                    | 40.0*/ 46.0*   |
| UPA 80x40x4        | 4.9       | 80         | 40      | 4                    | 4                    | 6.10                                     | 72.00                    | 68.0**         |
| UPA 80x40x5        | 6.0       | 80         | 40      | 5                    | 5                    | 7.52                                     | 70.00                    | 60.0*/ 66.0*   |
| UPA 80x40x6        | 7.1       | 80         | 40      | 6                    | 6                    | 8.90                                     | 68.00                    | 56.0*/ 64.0*   |
| UPA 100x50x4       | 6.2       | 100        | 50      | 4                    | 4                    | 7.70                                     | 92.00                    | 84.0*/ 88.0*   |
| UPA 100x50x5       | 7.6       | 100        | 50      | 5                    | 5                    | 9.52                                     | 90.00                    | 80.0*/ 86.0*   |
| UPA 100x50x6       | 9.0       | 100        | 50      | 6                    | 6                    | 11.30                                    | 88.00                    | 76.0*/84.0*    |
| UPA 120x60x5       | 9.2       | 120        | 60      | 5                    | 5                    | 11.52                                    | 110.00                   | 106.0*         |
| UPA 120x60x6       | 11.0      | 120        | 60      | 6                    | 6                    | 13.70                                    | 108.00                   | 96.0*/ 104.0*  |
| UPA 130x65x6       | 11.9      | 130        | 65      | 6                    | 6                    | 14.90                                    | 118.00                   | 106.0*/ 114.0* |
| UPA 130x65x9       | 17.4      | 130        | 65      | 9                    | 9                    | 21.80                                    | 112.00                   | 94.0*/ 108*    |
| UPA 140x70x7       | 14.9      | 140        | 70      | 7                    | 7                    | 18.64                                    | 126                      | 122.0*         |
| UPA 150x75x6       | 13.8      | 150        | 75      | 6                    | 6                    | 17.3                                     | 138                      | 134.0*         |
| UPA 150x75x9       | 20.3      | 150        | 75      | 9                    | 9                    | 25.4                                     | 132                      | 128.0*         |
| UPA 160x80x6       | 14.8      | 160        | 80      | 6                    | 6                    | 18.5                                     | 148                      | 140.0*         |
| UPA 160x80x8       | 19.5      | 160        | 80      | 8                    | 8                    | 24.34                                    | 144                      | 140.0*         |
| UPA 180x90x8       | 22        | 180        | 90      | 8                    | 8                    | 27.54                                    | 164                      | 160.0*         |
| UPA 200x100x8      | 24.6      | 200        | 100     | 8                    | 8                    | 30.74                                    | 184                      | 180.0*         |
| UPA 200x100x10     | 30.4      | 200        | 100     | 10                   | 10                   | 38.02                                    | 180                      | 176.0*         |

## Stainless steel

Grade according to EN 10088-3: 1D  
Surface condition: blasted and pickled



Structural properties

| Designation    | Strong axis y-y                                       |  |  |                             |  | Weak axis z-z   |  |  |                             | S <sub>s</sub><br>mm | I <sub>t</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | I <sub>w</sub><br>mm <sup>6</sup><br>x10 <sup>9</sup> | y <sub>s</sub><br>mm<br>x10 | y <sub>m</sub><br>mm<br>x10 |
|----------------|---|--|--|-----------------------------|--|---|--|--|-----------------------------|----------------------|---|---|-----------------------------|-----------------------------|
|                | I <sub>y</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | W <sub>el,y</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | W <sub>pl,y</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | i <sub>y</sub><br>mm<br>x10 | A <sub>vz</sub><br>mm <sup>2</sup><br>x10 <sup>2</sup> | I <sub>z</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | W <sub>el,z</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | W <sub>pl,z</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | i <sub>z</sub><br>mm<br>x10 |                      |   |   |                             |                             |
| UPA 50x25x3    | 10.60   | 4.24   | 5.14   | 1.93                        | 1.54   | 1.65  | 0.93   | 1.68   | 0.76                        | 7.77                 | 0.12  | 0.00  | 0.73                        | 1.43                        |
| UPA 60x30x5    | 28.59   | 9.53   | 11.89  | 2.26                        | 3.11   | 4.46  | 2.15   | 3.86   | 0.89                        | 12.96                | 0.72  | 0.02  | 0.93                        | 1.66                        |
| UPA 80x40x4    | 58.91   | 14.73  | 17.47  | 3.11                        | 3.14   | 9.22  | 3.23   | 5.82   | 1.23                        | 9.18                 | 0.36  | 0.09  | 1.15                        | 2.36                        |
| UPA 80x40x5    | 70.83   | 17.71  | 21.24  | 3.07                        | 3.87   | 11.13   | 3.95   | 7.12   | 1.22                        | 11.18                | 0.70  | 0.11  | 1.18                        | 2.32                        |
| UPA 80x40x6    | 81.77   | 20.44  | 24.81  | 3.03                        | 4.58   | 12.90   | 4.64   | 8.36   | 1.20                        | 13.18                | 1.20  | 0.12  | 1.22                        | 2.28                        |
| UPA 100x50x4   | 118.53  | 23.71  | 27.82  | 3.92                        | 3.94   | 18.53   | 5.14   | 9.26   | 1.55                        | 9.18                 | 0.45  | 0.30  | 1.40                        | 2.98                        |
| UPA 100x50x5   | 143.63  | 28.73  | 34.03  | 3.88                        | 4.87   | 22.51   | 6.31   | 11.37  | 1.54                        | 11.18                | 0.87  | 0.35  | 1.43                        | 2.95                        |
| UPA 100x50x6   | 167.12  | 33.42  | 39.97  | 3.85                        | 5.78   | 26.26   | 7.44   | 13.40  | 1.52                        | 13.18                | 1.49  | 0.40  | 1.47                        | 2.91                        |
| UPA 120x60x5   | 254.47  | 42.41  | 49.81  | 4.70                        | 5.87   | 39.83   | 9.23   | 16.62  | 1.86                        | 11.18                | 1.03  | 0.92  | 1.68                        | 3.58                        |
| UPA 120x60x6   | 297.62  | 49.60  | 58.72  | 4.66                        | 6.98   | 46.67   | 10.90  | 19.65  | 1.85                        | 13.18                | 1.77  | 1.05  | 1.72                        | 3.54                        |
| UPA 130x65x6   | 382.81  | 58.89  | 69.45  | 5.07                        | 7.58   | 59.99   | 12.89  | 23.22  | 2.01                        | 13.18                | 1.92  | 1.60  | 1.84                        | 3.86                        |
| UPA 130x65x9   | 534.94  | 82.30  | 99.20  | 4.95                        | 11.09  | 84.34   | 18.55  | 33.44  | 1.97                        | 19.18                | 6.36  | 2.13  | 1.95                        | 3.75                        |
| UPA 140x70x7   | 551.14  | 78.73  | 93.17  | 5.44                        | 9.47   | 86.45   | 17.31  | 31.20  | 2.15                        | 15.18                | 3.25  | 2.66  | 2.01                        | 4.13                        |
| UPA 150x75x6   | 599.04  | 79.87  | 93.6   | 5.88                        | 8.78   | 93.78   | 17.35  | 31.26  | 2.33                        | 13.18                | 2.21  | 3.39  | 2.10                        | 4.48                        |
| UPA 150x75x9   | 845.13  | 112.68   | 134.6  | 5.77                        | 12.89  | 132.91  | 25.1   | 45.24  | 2.29                        | 19.18                | 7.33  | 4.57  | 2.20                        | 4.38                        |
| UPA 160x80x6   | 732.49  | 91.56  | 107.03   | 6.29                        | 9.38   | 114.64  | 19.84  | 35.73  | 2.49                        | 13.18                | 2.35  | 4.74  | 2.22                        | 4.79                        |
| UPA 160x80x8   | 939.96  | 117.49   | 139  | 6.21                        | 12.34  | 147.48  | 25.84  | 46.57  | 2.46                        | 17.18                | 5.51  | 5.92  | 2.29                        | 4.73                        |
| UPA 180x90x8   | 1361  | 151.22   | 177.91   | 7.03                        | 13.94  | 213.33  | 33.04  | 59.53  | 2.78                        | 17.18                | 6.20  | 10.98   | 2.54                        | 5.35                        |
| UPA 200x100x8  | 1892.15   | 189.22   | 221.63   | 7.85                        | 15.54  | 296.38  | 41.13  | 74.09  | 3.11                        | 17.18                | 6.88  | 19.03   | 2.79                        | 5.98                        |
| UPA 200x100x10 | 2294.04   | 229.4  | 271.31   | 7.77                        | 19.22  | 360.04  | 50.48  | 90.95  | 3.08                        | 21.18                | 13.34   | 22.57   | 2.87                        | 5.91                        |