

Unequal angles

Hot rolled

dimensional tolerances and grades according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

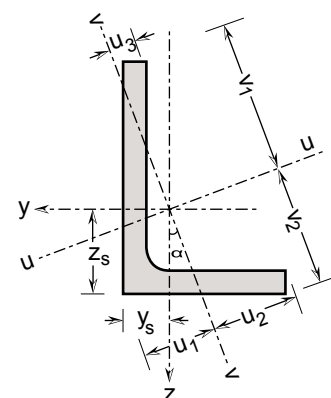
Laser fused

according to ASTM A1069, dimensional tolerances and grades, according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Stainless steel

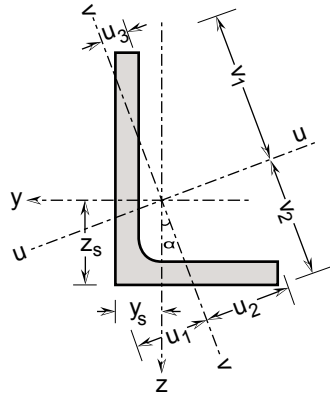
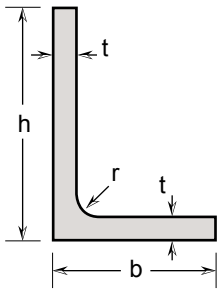
Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

| General properties | | | | | | | | | | | | | |
|--------------------|-----------|------------|---------|---------|---------|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Designation | | Dimensions | | | | | Position of axes | | | | | | |
| | G kg/m | h mm | b mm | t mm | r mm | A mm ² x10 ² | y _s mm | z _s mm | v ₁ mm | v ₂ mm | u ₁ mm | u ₂ mm | u ₃ mm |
| L 45 x 25 x 4 | 2.13 | 45 | 25 | 4 | 5 | 2.67 | 5.88 | 15.68 | 29.76 | 20.59 | 10.22 | 14.24 | 6.17 |
| L 45 x 30 x 4 | 2.29 | 45 | 30 | 4 | 5 | 2.87 | 7.36 | 14.72 | 30.72 | 22.49 | 12.59 | 15.75 | 8.12 |
| L 50 x 30 x 5 | 3.03 | 50 | 30 | 5 | 6 | 3.79 | 7.38 | 17.18 | 33.42 | 23.69 | 12.65 | 16.50 | 7.78 |
| L 50 x 30 x 6 | 3.58 | 50 | 30 | 6 | 6 | 4.48 | 7.77 | 17.60 | 33.16 | 23.90 | 13.10 | 16.39 | 8.11 |
| L 50 x 40 x 5 | 3.43 | 50 | 40 | 5 | 6 | 4.29 | 10.56 | 15.47 | 34.92 | 28.65 | 17.12 | 18.39 | 12.33 |
| L 60 x 40 x 5 | 3.83 | 60 | 40 | 5 | 6 | 4.79 | 9.72 | 19.55 | 40.97 | 29.99 | 16.69 | 21.05 | 10.81 |
| L 65 x 50 x 5 | 4.47 | 65 | 50 | 5 | 9 | 5.59 | 12.34 | 19.60 | 45.55 | 35.68 | 20.42 | 23.85 | 14.47 |
| L 65 x 50 x 6 | 5.30 | 65 | 50 | 6 | 9 | 6.63 | 12.78 | 20.08 | 45.36 | 35.87 | 21.04 | 23.74 | 14.71 |
| L 75 x 50 x 6 | 5.78 | 75 | 50 | 6 | 9 | 7.23 | 11.96 | 24.16 | 51.42 | 37.25 | 20.55 | 26.32 | 13.23 |
| L 75 x 50 x 8 | 7.56 | 75 | 50 | 8 | 9 | 9.45 | 12.78 | 25.05 | 50.95 | 37.67 | 21.60 | 26.11 | 13.83 |
| L 75 x 50 x 9 | 8.42 | 75 | 50 | 9 | 9 | 10.53 | 13.17 | 25.47 | 50.74 | 37.84 | 22.08 | 26.06 | 14.13 |
| L 75 x 65 x 6 | 6.50 | 75 | 65 | 6 | 9 | 8.13 | 16.93 | 21.82 | 52.88 | 46.05 | 26.56 | 27.58 | 20.90 |
| L 90 x 65 x 6 | 7.24 | 90 | 65 | 6 | 10 | 9.05 | 15.47 | 27.67 | 62.59 | 47.06 | 26.30 | 32.68 | 17.99 |
| L 90 x 65 x 8 | 9.49 | 90 | 65 | 8 | 10 | 11.87 | 16.32 | 28.59 | 62.17 | 47.46 | 27.45 | 32.47 | 18.53 |
| L 90 x 75 x 9 | 11.32 | 90 | 75 | 9 | 10 | 14.15 | 20.07 | 27.46 | 63.06 | 53.51 | 32.00 | 33.23 | 23.91 |
| L 100 x 50 x 6 | 7.00 | 100 | 50 | 6 | 10 | 8.75 | 10.38 | 34.77 | 65.75 | 43.57 | 18.75 | 30.07 | 10.99 |
| L 100 x 50 x 8 | 9.17 | 100 | 50 | 8 | 10 | 11.47 | 11.22 | 35.75 | 65.02 | 44.25 | 19.74 | 29.60 | 11.74 |
| L 100 x 50 x 10 | 11.29 | 100 | 50 | 10 | 10 | 14.11 | 12.02 | 36.64 | 64.38 | 44.81 | 20.60 | 29.25 | 12.46 |
| L 100 x 65 x 6 | 7.72 | 100 | 65 | 6 | 10 | 9.65 | 14.69 | 31.80 | 68.62 | 48.66 | 25.76 | 35.04 | 16.58 |
| L 100 x 65 x 7 | 8.93 | 100 | 65 | 7 | 10 | 11.17 | 15.12 | 32.29 | 68.34 | 48.93 | 26.34 | 34.86 | 16.89 |
| L 100 x 65 x 8 | 10.13 | 100 | 65 | 8 | 10 | 12.67 | 15.54 | 32.74 | 68.09 | 49.16 | 26.87 | 34.72 | 17.20 |
| L 100 x 65 x 9 | 11.32 | 100 | 65 | 9 | 10 | 14.15 | 15.94 | 33.18 | 67.86 | 49.36 | 27.38 | 34.62 | 17.50 |



Structural properties

| Designation | Axis y-y | | | Axis z-z | | | Axis u-u | | Axis v-v | | I_{yz} mm ⁴ x10 ⁴ | α |
|-----------------|--|---|--------------------|--|---|--------------------|--|--------------------|--|--------------------|---|----------|
| | I_y mm ⁴ x10 ⁴ | $W_{el,y}$ mm ³ x10 ³ | i_y mm x10 | I_z mm ⁴ x10 ⁴ | $W_{el,z}$ mm ³ x10 ³ | i_z mm x10 | I_u mm ⁴ x10 ⁴ | i_u mm x10 | I_v mm ⁴ x10 ⁴ | i_v mm x10 | | |
| L 45 x 25 x 4 | 5.39 | 1.84 | 1.42 | 1.18 | 0.62 | 0.67 | 5.82 | 1.48 | 0.75 | 0.53 | -1.42 | 17.04 |
| L 45 x 30 x 4 | 5.74 | 1.90 | 1.41 | 2.03 | 0.90 | 0.84 | 6.59 | 1.52 | 1.18 | 0.64 | -1.97 | 23.33 |
| L 50 x 30 x 5 | 9.32 | 2.84 | 1.57 | 2.49 | 1.10 | 0.81 | 10.27 | 1.65 | 1.53 | 0.64 | -2.73 | 19.31 |
| L 50 x 30 x 6 | 10.86 | 3.35 | 1.56 | 2.88 | 1.30 | 0.80 | 11.95 | 1.63 | 1.79 | 0.63 | -3.14 | 19.10 |
| L 50 x 40 x 5 | 10.28 | 2.98 | 1.55 | 5.80 | 1.97 | 1.16 | 13.07 | 1.75 | 3.02 | 0.84 | -4.50 | 31.78 |
| L 60 x 40 x 5 | 17.19 | 4.25 | 1.89 | 6.11 | 2.02 | 1.13 | 19.75 | 2.03 | 3.54 | 0.86 | -5.91 | 23.44 |
| L 65 x 50 x 5 | 22.79 | 5.02 | 2.02 | 11.62 | 3.09 | 1.44 | 28.17 | 2.25 | 6.25 | 1.06 | -9.43 | 29.68 |
| L 65 x 50 x 6 | 26.85 | 5.98 | 2.01 | 13.67 | 3.67 | 1.44 | 33.18 | 2.24 | 7.34 | 1.05 | -11.11 | 29.67 |
| L 75 x 50 x 6 | 40.22 | 7.91 | 2.36 | 14.21 | 3.74 | 1.40 | 46.16 | 2.53 | 8.28 | 1.07 | -13.77 | 23.32 |
| L 75 x 50 x 8 | 51.71 | 10.35 | 2.34 | 18.16 | 4.88 | 1.39 | 59.21 | 2.50 | 10.65 | 1.06 | -17.55 | 23.15 |
| L 75 x 50 x 9 | 57.10 | 11.53 | 2.33 | 19.98 | 5.43 | 1.38 | 65.27 | 2.49 | 11.81 | 1.06 | -19.24 | 23.02 |
| L 75 x 65 x 6 | 43.83 | 8.24 | 2.32 | 30.46 | 6.34 | 1.94 | 59.54 | 2.71 | 14.75 | 1.35 | -21.37 | 36.32 |
| L 90 x 65 x 6 | 72.85 | 11.69 | 2.84 | 31.83 | 6.43 | 1.88 | 86.98 | 3.10 | 17.70 | 1.40 | -27.92 | 26.85 |
| L 90 x 65 x 8 | 94.33 | 15.36 | 2.82 | 41.05 | 8.43 | 1.86 | 112.55 | 3.08 | 22.84 | 1.39 | -36.09 | 26.78 |
| L 90 x 75 x 9 | 109.65 | 17.53 | 2.78 | 68.85 | 12.54 | 2.21 | 143.95 | 3.19 | 34.55 | 1.56 | -50.76 | 34.05 |
| L 100 x 50 x 6 | 89.48 | 13.72 | 3.20 | 15.11 | 3.81 | 1.31 | 94.80 | 3.29 | 9.79 | 1.06 | -20.59 | 14.49 |
| L 100 x 50 x 8 | 115.78 | 18.02 | 3.18 | 19.40 | 5.00 | 1.30 | 122.54 | 3.27 | 12.63 | 1.05 | -26.41 | 14.36 |
| L 100 x 50 x 10 | 140.35 | 22.15 | 3.15 | 23.30 | 6.13 | 1.29 | 148.29 | 3.24 | 15.36 | 1.04 | -31.49 | 14.14 |
| L 100 x 65 x 6 | 97.74 | 14.33 | 3.18 | 32.72 | 6.51 | 1.84 | 111.26 | 3.40 | 19.20 | 1.41 | -32.59 | 22.54 |
| L 100 x 65 x 7 | 112.50 | 16.61 | 3.17 | 37.58 | 7.53 | 1.83 | 128.04 | 3.39 | 22.03 | 1.40 | -37.50 | 22.52 |
| L 100 x 65 x 8 | 126.79 | 18.85 | 3.16 | 42.23 | 8.54 | 1.83 | 144.23 | 3.37 | 24.80 | 1.40 | -42.17 | 22.46 |
| L 100 x 65 x 9 | 140.64 | 21.05 | 3.15 | 46.70 | 9.52 | 1.82 | 159.84 | 3.36 | 27.50 | 1.39 | -46.60 | 22.39 |



Unequal angles

Hot rolled

dimensional tolerances and grades according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Laser fused

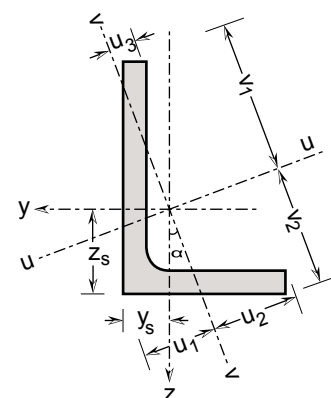
according to ASTM A1069, dimensional tolerances and grades, according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

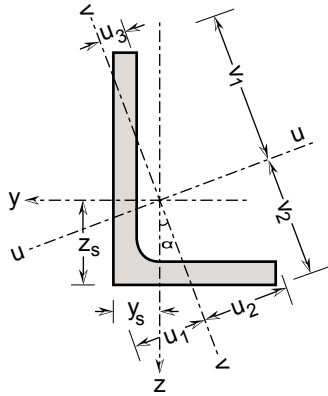
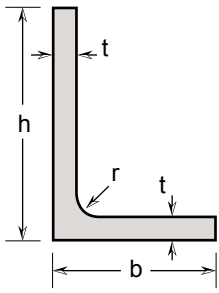
| General properties | | | | | | | | | | | | | | |
|--------------------|-----------|------------|---------|---------|---------|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| Designation | | Dimensions | | | | | Position of axes | | | | | | | |
| | G kg/m | h mm | b mm | t mm | r mm | A mm ² x10 ² | y _s mm | z _s mm | v ₁ mm | v ₂ mm | u ₁ mm | u ₂ mm | u ₃ mm | |
| L 100 x 65 x 10 | 12.49 | 100 | 65 | 10 | 10 | 15.61 | 16.34 | 33.60 | 67.64 | 49.55 | 27.86 | 34.55 | 17.81 | |
| L 100 x 75 x 6 | 8.20 | 100 | 75 | 6 | 10 | 10.25 | 17.88 | 30.12 | 69.88 | 53.86 | 30.15 | 36.72 | 21.38 | |
| L 100 x 75 x 8 | 10.77 | 100 | 75 | 8 | 10 | 13.47 | 18.73 | 31.04 | 69.50 | 54.23 | 31.33 | 36.53 | 21.89 | |
| L 100 x 75 x 9 | 12.04 | 100 | 75 | 9 | 10 | 15.05 | 19.14 | 31.46 | 69.33 | 54.37 | 31.87 | 36.49 | 22.14 | |
| L 100 x 75 x 10 | 13.29 | 100 | 75 | 10 | 10 | 16.61 | 19.54 | 31.87 | 69.18 | 54.51 | 32.39 | 36.48 | 22.40 | |
| L 125 x 75 x 6 | 9.42 | 125 | 75 | 6 | 11 | 11.77 | 15.91 | 40.36 | 85.03 | 57.99 | 28.64 | 42.42 | 17.81 | |
| L 125 x 75 x 7* | 10.81 | 125 | 75 | 7 | 2 | 13.51 | 16.70 | 41.68 | 83.94 | 59.29 | 30.10 | 42.40 | 19.47 | |
| L 125 x 75 x 8* | 12.29 | 125 | 75 | 8 | 2 | 15.36 | 17.07 | 42.06 | 83.74 | 59.44 | 30.52 | 42.36 | 19.78 | |
| L 125 x 75 x 9 | 13.88 | 125 | 75 | 9 | 12 | 17.34 | 17.15 | 41.70 | 84.21 | 58.74 | 30.18 | 41.80 | 18.69 | |
| L 125 x 75 x 10* | 15.20 | 125 | 75 | 10 | 2 | 19.00 | 17.82 | 42.81 | 83.34 | 59.74 | 31.35 | 42.29 | 20.39 | |
| L 125 x 75 x 12* | 18.05 | 125 | 75 | 12 | 2 | 22.56 | 18.56 | 43.55 | 82.94 | 60.03 | 32.15 | 42.22 | 21.00 | |
| L 125 x 100 x 10* | 17.20 | 125 | 100 | 10 | 2 | 21.50 | 25.92 | 38.41 | 87.08 | 71.99 | 42.41 | 47.15 | 32.31 | |
| L 130 x 100 x 11* | 17.60 | 130 | 100 | 10 | 2 | 22.00 | 25.44 | 40.44 | 90.19 | 72.49 | 42.35 | 48.71 | 31.40 | |
| L 150 x 75 x 8* | 13.89 | 150 | 75 | 8 | 2 | 17.36 | 15.57 | 53.05 | 97.66 | 66.68 | 28.83 | 45.44 | 17.68 | |
| L 150 x 75 x 9 | 15.56 | 150 | 75 | 9 | 2 | 19.44 | 15.95 | 53.43 | 97.41 | 66.88 | 29.22 | 45.33 | 18.02 | |
| L 150 x 75 x 10 | 17.32 | 150 | 75 | 10 | 12 | 21.65 | 16.11 | 53.07 | 97.86 | 66.21 | 28.97 | 44.81 | 17.21 | |
| L 150 x 75 x 12* | 20.45 | 150 | 75 | 12 | 2 | 25.56 | 17.09 | 54.57 | 96.64 | 67.46 | 30.35 | 45.02 | 19.03 | |
| L 150 x 75 x 15* | 25.20 | 150 | 75 | 15 | 2 | 31.50 | 18.21 | 55.70 | 95.87 | 68.03 | 31.44 | 44.73 | 20.03 | |
| L 150 x 90 x 8* | 14.85 | 150 | 90 | 8 | 2 | 18.56 | 19.89 | 49.88 | 100.80 | 71.11 | 35.96 | 50.94 | 23.30 | |
| L 150 x 90 x 9 | 16.76 | 150 | 90 | 9 | 12 | 20.94 | 19.95 | 49.50 | 101.29 | 70.36 | 35.58 | 50.44 | 22.17 | |
| L 150 x 90 x 10 | 18.52 | 150 | 90 | 10 | 12 | 23.15 | 20.36 | 49.96 | 101.02 | 70.61 | 36.09 | 50.29 | 22.50 | |
| L 150 x 90 x 12 | 22.01 | 150 | 90 | 12 | 12 | 27.51 | 21.16 | 50.82 | 100.50 | 71.06 | 37.06 | 50.04 | 23.15 | |
| L 150 x 90 x 15* | 27.00 | 150 | 90 | 15 | 2 | 33.75 | 22.49 | 52.49 | 99.40 | 72.12 | 38.83 | 50.70 | 25.44 | |
| L 150 x 100 x 8* | 15.49 | 150 | 100 | 8 | 2 | 19.36 | 22.99 | 47.98 | 102.50 | 75.27 | 40.60 | 53.61 | 27.70 | |
| L 150 x 100 x 9* | 17.36 | 150 | 100 | 9 | 2 | 21.69 | 23.37 | 48.36 | 102.34 | 75.39 | 41.05 | 53.62 | 27.98 | |

* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).



Structural properties

| Designation | Axis y-y | | | Axis z-z | | | Axis u-u | | Axis v-v | | I_{yz} mm ⁴ x10 ⁴ | α |
|-------------------|--|---|--------------------|--|---|--------------------|--|--------------------|--|--------------------|---|----------|
| | I_y mm ⁴ x10 ⁴ | $W_{el,y}$ mm ³ x10 ³ | i_y mm x10 | I_z mm ⁴ x10 ⁴ | $W_{el,z}$ mm ³ x10 ³ | i_z mm x10 | I_u mm ⁴ x10 ⁴ | i_u mm x10 | I_v mm ⁴ x10 ⁴ | i_v mm x10 | | |
| L 100 x 65 x 10 | 154.05 | 23.20 | 3.14 | 50.98 | 10.48 | 1.81 | 174.88 | 3.35 | 30.15 | 1.39 | -50.80 | 22.30 |
| L 100 x 75 x 6 | 102.44 | 14.66 | 3.16 | 49.51 | 8.67 | 2.20 | 125.16 | 3.49 | 26.79 | 1.62 | -41.46 | 28.72 |
| L 100 x 75 x 8 | 133.05 | 19.29 | 3.14 | 64.08 | 11.39 | 2.18 | 162.49 | 3.47 | 34.65 | 1.60 | -53.82 | 28.67 |
| L 100 x 75 x 9 | 147.66 | 21.54 | 3.13 | 70.97 | 12.70 | 2.17 | 180.18 | 3.46 | 38.45 | 1.60 | -59.59 | 28.62 |
| L 100 x 75 x 10 | 161.82 | 23.75 | 3.12 | 77.60 | 13.99 | 2.16 | 197.24 | 3.45 | 42.18 | 1.59 | -65.10 | 28.55 |
| L 125 x 75 x 6 | 189.64 | 22.41 | 4.01 | 52.08 | 8.81 | 2.10 | 210.14 | 4.23 | 31.59 | 1.64 | -56.91 | 19.80 |
| L 125 x 75 x 7* | 221.37 | 26.57 | 4.05 | 61.99 | 10.63 | 2.14 | 246.52 | 4.27 | 36.84 | 1.65 | -68.12 | 20.26 |
| L 125 x 75 x 8* | 249.84 | 30.12 | 4.03 | 69.59 | 12.01 | 2.13 | 277.91 | 4.25 | 41.52 | 1.64 | -76.47 | 20.16 |
| L 125 x 75 x 9 | 274.47 | 32.95 | 3.98 | 74.57 | 12.89 | 2.07 | 303.75 | 4.18 | 45.29 | 1.62 | -81.92 | 19.67 |
| L 125 x 75 x 10* | 304.61 | 37.06 | 4.00 | 84.00 | 14.69 | 2.10 | 338.03 | 4.22 | 50.58 | 1.63 | -92.13 | 19.94 |
| L 125 x 75 x 12* | 356.60 | 43.78 | 3.98 | 97.43 | 17.26 | 2.08 | 394.71 | 4.18 | 59.32 | 1.62 | -106.43 | 19.70 |
| L 125 x 100 x 10* | 336.40 | 38.85 | 3.96 | 192.50 | 25.99 | 2.99 | 431.11 | 4.48 | 97.80 | 2.13 | -150.32 | 32.21 |
| L 130 x 100 x 11* | 375.17 | 41.89 | 4.13 | 194.68 | 26.11 | 2.97 | 468.13 | 4.61 | 101.73 | 2.15 | -159.43 | 30.24 |
| L 150 x 75 x 8* | 411.98 | 42.49 | 4.87 | 72.72 | 12.24 | 2.05 | 438.53 | 5.03 | 46.17 | 1.63 | -98.55 | 15.08 |
| L 150 x 75 x 9 | 458.47 | 47.48 | 4.86 | 80.41 | 13.62 | 2.03 | 487.63 | 5.01 | 51.26 | 1.62 | -108.96 | 14.98 |
| L 150 x 75 x 10 | 500.60 | 51.65 | 4.81 | 85.37 | 14.50 | 1.99 | 530.83 | 4.95 | 55.13 | 1.60 | -116.05 | 14.60 |
| L 150 x 75 x 12* | 591.80 | 62.02 | 4.81 | 101.96 | 17.61 | 2.00 | 627.84 | 4.96 | 65.92 | 1.61 | -137.68 | 14.67 |
| L 150 x 75 x 15* | 716.38 | 75.97 | 4.77 | 121.55 | 21.40 | 1.96 | 757.95 | 4.90 | 79.98 | 1.59 | -162.66 | 14.34 |
| L 150 x 90 x 8* | 439.05 | 43.85 | 4.86 | 123.19 | 17.57 | 2.58 | 489.14 | 5.13 | 73.10 | 1.98 | -135.38 | 20.30 |
| L 150 x 90 x 9 | 484.51 | 48.21 | 4.81 | 133.11 | 19.00 | 2.52 | 537.25 | 5.06 | 80.37 | 1.96 | -146.00 | 19.86 |
| L 150 x 90 x 10 | 533.14 | 53.29 | 4.80 | 146.07 | 20.98 | 2.51 | 590.94 | 5.05 | 88.28 | 1.95 | -160.35 | 19.82 |
| L 150 x 90 x 12 | 627.30 | 63.25 | 4.77 | 170.87 | 24.82 | 2.49 | 694.48 | 5.02 | 103.69 | 1.94 | -187.55 | 19.71 |
| L 150 x 90 x 15* | 765.59 | 78.51 | 4.76 | 208.73 | 30.92 | 2.49 | 846.85 | 5.01 | 127.47 | 1.94 | -227.72 | 19.64 |
| L 150 x 100 x 8* | 455.24 | 44.62 | 4.85 | 166.49 | 21.62 | 2.93 | 527.71 | 5.22 | 94.01 | 2.20 | -161.80 | 24.13 |
| L 150 x 100 x 9* | 506.91 | 49.87 | 4.83 | 184.75 | 24.11 | 2.92 | 587.04 | 5.20 | 104.62 | 2.20 | -179.54 | 24.05 |



Unequal angles

Hot rolled

dimensional tolerances and grades according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Laser fused

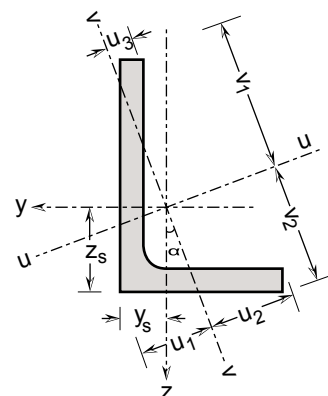
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Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

| General properties | | | | | | | | | | | | | |
|--------------------|-----------|------------|---------|---------|---------|--|------------------|----------|----------|----------|----------|----------|----------|
| Designation | | Dimensions | | | | | Position of axes | | | | | | |
| | G kg/m | h mm | b mm | t mm | r mm | A mm ² x10 ² | ys mm | zs mm | v1 mm | v2 mm | u1 mm | u2 mm | u3 mm |
| L 150 x 100 x 10 | 19.32 | 150 | 100 | 10 | 12 | 24.15 | 23.42 | 48.10 | 102.73 | 74.80 | 40.76 | 52.94 | 26.73 |
| L 150 x 100 x 12 | 22.97 | 150 | 100 | 12 | 12 | 28.71 | 24.22 | 48.95 | 102.30 | 75.18 | 41.78 | 52.78 | 27.32 |
| L 150 x 100 x 15 | 28.20 | 150 | 100 | 15 | 2 | 35.25 | 25.58 | 50.57 | 101.37 | 76.09 | 43.65 | 53.70 | 29.70 |
| L 200 x 100 x 10* | 23.20 | 200 | 100 | 10 | 2 | 29.00 | 20.51 | 70.49 | 130.37 | 88.80 | 38.20 | 60.72 | 23.43 |
| L 200 x 100 x 12* | 27.65 | 200 | 100 | 12 | 2 | 34.56 | 21.27 | 71.26 | 129.86 | 89.19 | 38.97 | 60.51 | 24.11 |
| L 200 x 100 x 15* | 34.20 | 200 | 100 | 15 | 2 | 42.75 | 22.41 | 72.40 | 129.10 | 89.77 | 40.11 | 60.20 | 25.11 |
| L 200 x 150 x 12* | 32.45 | 200 | 150 | 12 | 2 | 40.56 | 36.61 | 61.61 | 138.68 | 109.07 | 62.00 | 74.45 | 45.63 |
| L 200 x 150 x 15* | 40.20 | 200 | 150 | 15 | 2 | 50.25 | 37.72 | 62.71 | 138.34 | 109.33 | 63.41 | 74.66 | 46.41 |

* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).



Structural properties

| Designation | Axis y-y | | | Axis z-z | | | Axis u-u | | Axis v-v | | I_{yz} mm ⁴ x10 ⁴ | α |
|-------------------|--|---|--------------------|--|---|--------------------|--|--------------------|--|--------------------|---|----------|
| | I_y mm ⁴ x10 ⁴ | $W_{el,y}$ mm ³ x10 ³ | i_y mm x10 | I_z mm ⁴ x10 ⁴ | $W_{el,z}$ mm ³ x10 ³ | i_z mm x10 | I_u mm ⁴ x10 ⁴ | i_u mm x10 | I_v mm ⁴ x10 ⁴ | i_v mm x10 | | |
| L 150 x 100 x 10 | 552.60 | 54.23 | 4.78 | 198.48 | 25.92 | 2.87 | 636.87 | 5.13 | 114.21 | 2.17 | -192.21 | 23.67 |
| L 150 x 100 x 12 | 650.54 | 64.38 | 4.76 | 232.59 | 30.69 | 2.85 | 748.88 | 5.11 | 134.25 | 2.16 | -225.32 | 23.58 |
| L 150 x 100 x 15 | 794.93 | 79.95 | 4.75 | 284.33 | 38.21 | 2.84 | 914.55 | 5.09 | 164.72 | 2.16 | -274.56 | 23.54 |
| L 200 x 100 x 10* | 1227.46 | 94.78 | 6.51 | 217.46 | 27.36 | 2.74 | 1307.13 | 6.71 | 137.79 | 2.18 | -294.64 | 15.13 |
| L 200 x 100 x 12* | 1449.11 | 112.56 | 6.47 | 254.23 | 32.29 | 2.71 | 1541.31 | 6.68 | 162.03 | 2.17 | -344.50 | 14.98 |
| L 200 x 100 x 15* | 1767.81 | 138.54 | 6.43 | 305.95 | 39.43 | 2.68 | 1876.75 | 6.63 | 197.01 | 2.15 | -413.67 | 14.75 |
| L 200 x 150 x 12* | 1667.56 | 120.49 | 6.41 | 816.63 | 72.02 | 4.49 | 2053.16 | 7.11 | 431.02 | 3.26 | -690.52 | 29.18 |
| L 200 x 150 x 15* | 2037.95 | 148.44 | 6.37 | 992.97 | 88.43 | 4.45 | 2503.37 | 7.06 | 527.55 | 3.24 | -838.44 | 29.04 |