

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|----|-----------|-------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 20 | 20 | 1,5 | 0.826 | 1.05 | 0.583 | 0.583 | 0.744 | 0.744 | 0.583 | 0.583 | 0.715 | 0.715 | 0.985 | 0.884 | 0.075 | 1211 |
| 20 | 20 | 2 | 1.05 | 1.34 | 0.692 | 0.692 | 0.720 | 0.720 | 0.692 | 0.692 | 0.877 | 0.877 | 1.21 | 1.06 | 0.073 | 953 |
| 20 | 20 | 2,5 | 1.25 | 1.59 | 0.766 | 0.766 | 0.694 | 0.694 | 0.766 | 0.766 | 1.00 | 1.00 | 1.39 | 1.19 | 0.071 | 802 |
| 25 | 25 | 1,5 | 1.06 | 1.35 | 1.22 | 1.22 | 0.949 | 0.949 | 0.973 | 0.973 | 1.17 | 1.17 | 2.01 | 1.47 | 0.095 | 942 |
| 25 | 25 | 2 | 1.36 | 1.74 | 1.48 | 1.48 | 0.924 | 0.924 | 1.19 | 1.19 | 1.47 | 1.47 | 2.53 | 1.80 | 0.093 | 733 |
| 25 | 25 | 2,5 | 1.64 | 2.09 | 1.69 | 1.69 | 0.899 | 0.899 | 1.35 | 1.35 | 1.71 | 1.71 | 2.97 | 2.07 | 0.091 | 610 |
| 25 | 25 | 3 | 1.89 | 2.41 | 1.84 | 1.84 | 0.874 | 0.874 | 1.47 | 1.47 | 1.91 | 1.91 | 3.33 | 2.27 | 0.090 | 529 |
| 28 | 28 | 4 | 2.69 | 3.43 | 3.07 | 3.07 | 0.947 | 0.947 | 2.19 | 2.19 | 2.94 | 2.94 | 5.73 | 3.43 | 0.098 | 372 |
| 30 | 20 | 1,5 | 1.06 | 1.35 | 1.59 | 0.840 | 1.08 | 0.788 | 1.06 | 0.840 | 1.32 | 0.993 | 1.83 | 1.40 | 0.095 | 942 |
| 30 | 20 | 2 | 1.36 | 1.74 | 1.94 | 1.02 | 1.06 | 0.765 | 1.29 | 1.02 | 1.65 | 1.24 | 2.29 | 1.71 | 0.093 | 733 |
| 30 | 20 | 2,5 | 1.64 | 2.09 | 2.21 | 1.15 | 1.03 | 0.742 | 1.47 | 1.15 | 1.92 | 1.44 | 2.68 | 1.95 | 0.091 | 610 |
| 30 | 20 | 3 | 1.89 | 2.41 | 2.41 | 1.25 | 1.00 | 0.720 | 1.60 | 1.25 | 2.15 | 1.61 | 2.99 | 2.13 | 0.090 | 529 |
| 30 | 30 | 1,5 | 1.30 | 1.65 | 2.20 | 2.20 | 1.15 | 1.15 | 1.46 | 1.46 | 1.74 | 1.74 | 3.57 | 2.21 | 0.115 | 771 |
| 30 | 30 | 2 | 1.68 | 2.14 | 2.72 | 2.72 | 1.13 | 1.13 | 1.81 | 1.81 | 2.21 | 2.21 | 4.54 | 2.75 | 0.113 | 596 |
| 30 | 30 | 2,5 | 2.03 | 2.59 | 3.16 | 3.16 | 1.10 | 1.10 | 2.10 | 2.10 | 2.61 | 2.61 | 5.40 | 3.20 | 0.111 | 492 |
| 30 | 30 | 3 | 2.36 | 3.01 | 3.50 | 3.50 | 1.08 | 1.08 | 2.34 | 2.34 | 2.96 | 2.96 | 6.15 | 3.58 | 0.110 | 423 |
| 30 | 30 | 4 | 2.94 | 3.75 | 3.97 | 3.97 | 1.03 | 1.03 | 2.64 | 2.64 | 3.50 | 3.50 | 7.31 | 4.11 | 0.106 | 340 |
| 35 | 25 | 1,5 | 1.30 | 1.65 | 2.75 | 1.63 | 1.29 | 0.994 | 1.57 | 1.31 | 1.92 | 1.53 | 3.35 | 2.13 | 0.115 | 771 |
| 35 | 25 | 2 | 1.68 | 2.14 | 3.42 | 2.01 | 1.26 | 0.971 | 1.95 | 1.61 | 2.43 | 1.93 | 4.25 | 2.65 | 0.113 | 596 |
| 35 | 25 | 2,5 | 2.03 | 2.59 | 3.97 | 2.33 | 1.24 | 0.948 | 2.27 | 1.86 | 2.88 | 2.28 | 5.05 | 3.08 | 0.111 | 492 |
| 35 | 25 | 3 | 2.36 | 3.01 | 4.41 | 2.57 | 1.21 | 0.925 | 2.52 | 2.06 | 3.27 | 2.57 | 5.73 | 3.43 | 0.110 | 423 |
| 35 | 35 | 1,5 | 1.53 | 1.95 | 3.60 | 3.60 | 1.36 | 1.36 | 2.05 | 2.05 | 2.43 | 2.43 | 5.78 | 3.09 | 0.135 | 653 |
| 35 | 35 | 2 | 1.99 | 2.54 | 4.51 | 4.51 | 1.33 | 1.33 | 2.58 | 2.58 | 3.09 | 3.09 | 7.41 | 3.89 | 0.133 | 502 |
| 35 | 35 | 2,5 | 2.42 | 3.09 | 5.29 | 5.29 | 1.31 | 1.31 | 3.02 | 3.02 | 3.69 | 3.69 | 8.89 | 4.58 | 0.131 | 412 |
| 35 | 35 | 3 | 2.83 | 3.61 | 5.95 | 5.95 | 1.28 | 1.28 | 3.40 | 3.40 | 4.23 | 4.23 | 10.2 | 5.18 | 0.130 | 353 |
| 35 | 35 | 4 | 3.57 | 4.55 | 6.93 | 6.93 | 1.23 | 1.23 | 3.96 | 3.96 | 5.11 | 5.11 | 12.4 | 6.10 | 0.126 | 280 |
| 40 | 20 | 1,5 | 1.30 | 1.65 | 3.27 | 1.10 | 1.41 | 0.815 | 1.63 | 1.10 | 2.07 | 1.27 | 2.74 | 1.91 | 0.115 | 771 |
| 40 | 20 | 2 | 1.68 | 2.14 | 4.05 | 1.34 | 1.38 | 0.793 | 2.02 | 1.34 | 2.61 | 1.60 | 3.45 | 2.36 | 0.113 | 596 |
| 40 | 20 | 2,5 | 2.03 | 2.59 | 4.69 | 1.54 | 1.35 | 0.770 | 2.35 | 1.54 | 3.09 | 1.88 | 4.06 | 2.72 | 0.111 | 492 |
| 40 | 20 | 3 | 2.36 | 3.01 | 5.21 | 1.68 | 1.32 | 0.748 | 2.60 | 1.68 | 3.50 | 2.12 | 4.57 | 3.00 | 0.110 | 423 |

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|--|----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 40 | 25 | 2 | 1.83 | 2.34 | 4.77 | 2.28 | 1.43 | 0.988 | 2.39 | 1.82 | 2.99 | 2.16 | 5.17 | 3.07 | 0.123 | 545 |
| 40 | 25 | 2,5 | 2.23 | 2.84 | 5.57 | 2.64 | 1.40 | 0.965 | 2.79 | 2.11 | 3.56 | 2.56 | 6.15 | 3.59 | 0.121 | 449 |
| 40 | 25 | 3 | 2.60 | 3.31 | 6.24 | 2.94 | 1.37 | 0.942 | 3.12 | 2.35 | 4.06 | 2.90 | 7.00 | 4.01 | 0.120 | 385 |
| 40 | 30 | 1,5 | 1.53 | 1.95 | 4.38 | 2.81 | 1.50 | 1.20 | 2.19 | 1.87 | 2.64 | 2.17 | 5.52 | 3.02 | 0.135 | 653 |
| 40 | 30 | 2 | 1.99 | 2.54 | 5.49 | 3.51 | 1.47 | 1.18 | 2.75 | 2.34 | 3.37 | 2.77 | 7.07 | 3.79 | 0.133 | 502 |
| 40 | 30 | 2,5 | 2.42 | 3.09 | 6.45 | 4.10 | 1.45 | 1.15 | 3.23 | 2.74 | 4.03 | 3.30 | 8.47 | 4.46 | 0.131 | 412 |
| 40 | 30 | 3 | 2.83 | 3.61 | 7.27 | 4.60 | 1.42 | 1.13 | 3.63 | 3.07 | 4.61 | 3.77 | 9.72 | 5.03 | 0.130 | 353 |
| 40 | 30 | 4 | 3.57 | 4.55 | 8.47 | 5.33 | 1.36 | 1.08 | 4.24 | 3.55 | 5.57 | 4.54 | 11.8 | 5.91 | 0.126 | 280 |
| 40 | 40 | 1,5 | 1.77 | 2.25 | 5.49 | 5.49 | 1.56 | 1.56 | 2.75 | 2.75 | 3.22 | 3.22 | 8.75 | 4.13 | 0.155 | 566 |
| 40 | 40 | 2 | 2.31 | 2.94 | 6.94 | 6.94 | 1.54 | 1.54 | 3.47 | 3.47 | 4.13 | 4.13 | 11.3 | 5.23 | 0.153 | 434 |
| 40 | 40 | 2,5 | 2.82 | 3.59 | 8.22 | 8.22 | 1.51 | 1.51 | 4.11 | 4.11 | 4.97 | 4.97 | 13.6 | 6.21 | 0.151 | 355 |
| 40 | 40 | 3 | 3.30 | 4.21 | 9.32 | 9.32 | 1.49 | 1.49 | 4.66 | 4.66 | 5.72 | 5.72 | 15.8 | 7.07 | 0.150 | 303 |
| 40 | 40 | 4 | 4.20 | 5.35 | 11.1 | 11.1 | 1.44 | 1.44 | 5.54 | 5.54 | 7.01 | 7.01 | 19.4 | 8.48 | 0.146 | 238 |
| 45 | 45 | 1,5 | 2.00 | 2.55 | 7.96 | 7.96 | 1.77 | 1.77 | 3.54 | 3.54 | 4.13 | 4.13 | 12.6 | 5.31 | 0.175 | 499 |
| 45 | 45 | 2 | 2.62 | 3.34 | 10.1 | 10.1 | 1.74 | 1.74 | 4.50 | 4.50 | 5.32 | 5.32 | 16.3 | 6.77 | 0.173 | 382 |
| 45 | 45 | 2,5 | 3.21 | 4.09 | 12.1 | 12.1 | 1.72 | 1.72 | 5.36 | 5.36 | 6.43 | 6.43 | 19.8 | 8.09 | 0.171 | 312 |
| 45 | 45 | 3 | 3.77 | 4.81 | 13.8 | 13.8 | 1.69 | 1.69 | 6.12 | 6.12 | 7.44 | 7.44 | 23.0 | 9.27 | 0.170 | 265 |
| 45 | 45 | 4 | 4.83 | 6.15 | 16.6 | 16.6 | 1.64 | 1.64 | 7.38 | 7.38 | 9.22 | 9.22 | 28.7 | 11.3 | 0.166 | 207 |
| 50 | 20 | 1,5 | 1.53 | 1.95 | 5.77 | 1.35 | 1.72 | 0.833 | 2.31 | 1.35 | 2.97 | 1.55 | 3.69 | 2.42 | 0.135 | 653 |
| 50 | 20 | 2 | 1.99 | 2.54 | 7.23 | 1.67 | 1.69 | 0.811 | 2.89 | 1.67 | 3.78 | 1.96 | 4.66 | 3.00 | 0.133 | 502 |
| 50 | 20 | 2,5 | 2.42 | 3.09 | 8.48 | 1.92 | 1.66 | 0.789 | 3.39 | 1.92 | 4.51 | 2.32 | 5.50 | 3.49 | 0.131 | 412 |
| 50 | 20 | 3 | 2.83 | 3.61 | 9.51 | 2.12 | 1.62 | 0.767 | 3.81 | 2.12 | 5.16 | 2.63 | 6.20 | 3.88 | 0.130 | 353 |
| 50 | 25 | 1,5 | 1.65 | 2.10 | 6.65 | 2.25 | 1.78 | 1.04 | 2.66 | 1.80 | 3.33 | 2.05 | 5.54 | 3.13 | 0.145 | 606 |
| 50 | 25 | 2 | 2.15 | 2.74 | 8.38 | 2.81 | 1.75 | 1.01 | 3.35 | 2.25 | 4.26 | 2.62 | 7.06 | 3.92 | 0.143 | 465 |
| 50 | 25 | 2,5 | 2.62 | 3.34 | 9.89 | 3.28 | 1.72 | 0.991 | 3.95 | 2.62 | 5.11 | 3.12 | 8.43 | 4.60 | 0.141 | 382 |
| 50 | 25 | 3 | 3.07 | 3.91 | 11.2 | 3.67 | 1.69 | 0.969 | 4.47 | 2.93 | 5.86 | 3.56 | 9.64 | 5.18 | 0.140 | 326 |
| 50 | 30 | 1,5 | 1.77 | 2.25 | 7.54 | 3.42 | 1.83 | 1.23 | 3.01 | 2.28 | 3.70 | 2.60 | 7.60 | 3.83 | 0.155 | 566 |
| 50 | 30 | 2 | 2.31 | 2.94 | 9.54 | 4.29 | 1.80 | 1.21 | 3.81 | 2.86 | 4.74 | 3.33 | 9.77 | 4.84 | 0.153 | 434 |
| 50 | 30 | 2,5 | 2.82 | 3.59 | 11.3 | 5.05 | 1.77 | 1.19 | 4.52 | 3.37 | 5.70 | 3.98 | 11.7 | 5.72 | 0.151 | 355 |
| 50 | 30 | 3 | 3.30 | 4.21 | 12.8 | 5.70 | 1.75 | 1.16 | 5.13 | 3.80 | 6.57 | 4.58 | 13.5 | 6.49 | 0.150 | 303 |

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|--|------|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 50 | 30 | 4 | 4.20 | 5.35 | 15.3 | 6.69 | 1.69 | 1.12 | 6.10 | 4.46 | 8.05 | 5.58 | 16.5 | 7.71 | 0.146 | 238 |
| 50 | 40 | 1,5 | 2.00 | 2.55 | 9.30 | 6.60 | 1.91 | 1.61 | 3.72 | 3.30 | 4.42 | 3.80 | 12.3 | 5.24 | 0.175 | 499 |
| 50 | 40 | 2 | 2.62 | 3.34 | 11.8 | 8.39 | 1.88 | 1.59 | 4.74 | 4.19 | 5.70 | 4.89 | 15.9 | 6.67 | 0.173 | 382 |
| 50 | 40 | 2,5 | 3.21 | 4.09 | 14.1 | 9.98 | 1.86 | 1.56 | 5.65 | 4.99 | 6.89 | 5.90 | 19.2 | 7.96 | 0.171 | 312 |
| 50 | 40 | 3 | 3.77 | 4.81 | 16.1 | 11.4 | 1.83 | 1.54 | 6.46 | 5.69 | 7.98 | 6.83 | 22.3 | 9.12 | 0.170 | 265 |
| 50 | 40 | 4 | 4.83 | 6.15 | 19.5 | 13.7 | 1.78 | 1.49 | 7.80 | 6.84 | 9.89 | 8.45 | 27.8 | 11.1 | 0.166 | 207 |
| 50 | 50 | 1,5 | 2.24 | 2.85 | 11.1 | 11.1 | 1.97 | 1.97 | 4.43 | 4.43 | 5.15 | 5.15 | 17.4 | 6.65 | 0.195 | 447 |
| 50 | 50 | 2 | 2.93 | 3.74 | 14.1 | 14.1 | 1.95 | 1.95 | 5.66 | 5.66 | 6.66 | 6.66 | 22.6 | 8.51 | 0.193 | 341 |
| 50 | 50 | 2,5 | 3.60 | 4.59 | 16.9 | 16.9 | 1.92 | 1.92 | 6.78 | 6.78 | 8.07 | 8.07 | 27.5 | 10.2 | 0.191 | 278 |
| 50 | 50 | 3 | 4.25 | 5.41 | 19.5 | 19.5 | 1.90 | 1.90 | 7.79 | 7.79 | 9.39 | 9.39 | 32.1 | 11.8 | 0.190 | 236 |
| 50 | 50 | 4 | 5.45 | 6.95 | 23.7 | 23.7 | 1.85 | 1.85 | 9.49 | 9.49 | 11.7 | 11.7 | 40.4 | 14.4 | 0.186 | 183 |
| 50 | 50 | 5 | 6.56 | 8.36 | 27.0 | 27.0 | 1.80 | 1.80 | 10.8 | 10.8 | 13.7 | 13.7 | 47.5 | 16.6 | 0.183 | 152 |
| 51 | 26,9 | 2,25 | 2.49 | 3.17 | 10.1 | 3.70 | 1.79 | 1.08 | 3.98 | 2.75 | 5.06 | 3.22 | 9.12 | 4.76 | 0.148 | 402 |
| 60 | 20 | 2 | 2.31 | 2.94 | 11.7 | 1.99 | 1.99 | 0.824 | 3.89 | 1.99 | 5.15 | 2.32 | 5.89 | 3.65 | 0.153 | 434 |
| 60 | 30 | 1,5 | 2.00 | 2.55 | 11.8 | 4.03 | 2.15 | 1.26 | 3.94 | 2.68 | 4.90 | 3.03 | 9.77 | 4.64 | 0.175 | 499 |
| 60 | 30 | 2 | 2.62 | 3.34 | 15.0 | 5.08 | 2.12 | 1.23 | 5.02 | 3.39 | 6.31 | 3.89 | 12.6 | 5.88 | 0.173 | 382 |
| 60 | 30 | 2,5 | 3.21 | 4.09 | 17.9 | 6.00 | 2.09 | 1.21 | 5.98 | 4.00 | 7.62 | 4.67 | 15.1 | 6.98 | 0.171 | 312 |
| 60 | 30 | 3 | 3.77 | 4.81 | 20.5 | 6.80 | 2.06 | 1.19 | 6.83 | 4.53 | 8.82 | 5.39 | 17.5 | 7.95 | 0.170 | 265 |
| 60 | 30 | 4 | 4.83 | 6.15 | 24.7 | 8.06 | 2.00 | 1.14 | 8.23 | 5.37 | 10.9 | 6.62 | 21.5 | 9.52 | 0.166 | 207 |
| 60 | 40 | 1,5 | 2.24 | 2.85 | 14.4 | 7.71 | 2.25 | 1.64 | 4.80 | 3.86 | 5.77 | 4.38 | 16.0 | 6.35 | 0.195 | 447 |
| 60 | 40 | 2 | 2.93 | 3.74 | 18.4 | 9.83 | 2.22 | 1.62 | 6.14 | 4.92 | 7.47 | 5.65 | 20.7 | 8.12 | 0.193 | 341 |
| 60 | 40 | 2,5 | 3.60 | 4.59 | 22.1 | 11.7 | 2.19 | 1.60 | 7.36 | 5.87 | 9.06 | 6.84 | 25.1 | 9.72 | 0.191 | 278 |
| 60 | 40 | 3 | 4.25 | 5.41 | 25.4 | 13.4 | 2.17 | 1.58 | 8.46 | 6.72 | 10.5 | 7.94 | 29.3 | 11.2 | 0.190 | 236 |
| 60 | 40 | 4 | 5.45 | 6.95 | 31.0 | 16.3 | 2.11 | 1.53 | 10.3 | 8.14 | 13.2 | 9.89 | 36.7 | 13.7 | 0.186 | 183 |
| 60 | 40 | 5 | 6.56 | 8.36 | 35.3 | 18.4 | 2.06 | 1.48 | 11.8 | 9.21 | 15.4 | 11.5 | 42.8 | 15.6 | 0.183 | 152 |
| 60 | 50 | 2 | 3.25 | 4.14 | 21.8 | 16.5 | 2.29 | 1.99 | 7.26 | 6.58 | 8.63 | 7.62 | 29.9 | 10.4 | 0.213 | 308 |
| 60 | 50 | 3 | 4.72 | 6.01 | 30.3 | 22.8 | 2.24 | 1.95 | 10.1 | 9.11 | 12.2 | 10.8 | 42.6 | 14.4 | 0.210 | 212 |
| 60 | 50 | 4 | 6.08 | 7.75 | 37.3 | 28.0 | 2.19 | 1.90 | 12.4 | 11.2 | 15.4 | 13.6 | 53.9 | 17.8 | 0.206 | 164 |
| 60 | 50 | 5 | 7.34 | 9.36 | 42.9 | 32.1 | 2.14 | 1.85 | 14.3 | 12.8 | 18.1 | 16.0 | 63.7 | 20.6 | 0.203 | 136 |

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|--|------|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 60 | 60 | 2 | 3.56 | 4.54 | 25.1 | 25.1 | 2.35 | 2.35 | 8.38 | 8.38 | 9.79 | 9.79 | 39.8 | 12.6 | 0.233 | 281 |
| 60 | 60 | 2,5 | 4.39 | 5.59 | 30.3 | 30.3 | 2.33 | 2.33 | 10.1 | 10.1 | 11.9 | 11.9 | 48.7 | 15.2 | 0.231 | 228 |
| 60 | 60 | 3 | 5.19 | 6.61 | 35.1 | 35.1 | 2.31 | 2.31 | 11.7 | 11.7 | 14.0 | 14.0 | 57.1 | 17.7 | 0.230 | 193 |
| 60 | 60 | 4 | 6.71 | 8.55 | 43.6 | 43.6 | 2.26 | 2.26 | 14.5 | 14.5 | 17.6 | 17.6 | 72.6 | 22.0 | 0.226 | 149 |
| 60 | 60 | 5 | 8.13 | 10.4 | 50.5 | 50.5 | 2.21 | 2.21 | 16.8 | 16.8 | 20.9 | 20.9 | 86.4 | 25.6 | 0.223 | 123 |
| 60 | 60 | 6 | 9.45 | 12.0 | 56.1 | 56.1 | 2.16 | 2.16 | 18.7 | 18.7 | 23.7 | 23.7 | 98.4 | 28.6 | 0.219 | 106 |
| 70 | 30 | 2 | 2.93 | 3.74 | 22.2 | 5.86 | 2.44 | 1.25 | 6.35 | 3.91 | 8.08 | 4.45 | 15.4 | 6.93 | 0.193 | 341 |
| 70 | 30 | 3 | 4.25 | 5.41 | 30.6 | 7.90 | 2.38 | 1.21 | 8.74 | 5.26 | 11.4 | 6.20 | 21.5 | 9.41 | 0.190 | 236 |
| 70 | 30 | 4 | 5.45 | 6.95 | 37.2 | 9.42 | 2.31 | 1.16 | 10.6 | 6.28 | 14.2 | 7.66 | 26.5 | 11.3 | 0.186 | 183 |
| 70 | 40 | 2 | 3.25 | 4.14 | 26.9 | 11.3 | 2.55 | 1.65 | 7.67 | 5.64 | 9.44 | 6.41 | 25.7 | 9.56 | 0.213 | 308 |
| 70 | 40 | 2,5 | 3.99 | 5.09 | 32.3 | 13.5 | 2.52 | 1.63 | 9.23 | 6.75 | 11.5 | 7.78 | 31.3 | 11.5 | 0.211 | 250 |
| 70 | 40 | 3 | 4.72 | 6.01 | 37.3 | 15.5 | 2.49 | 1.61 | 10.7 | 7.75 | 13.4 | 9.05 | 36.5 | 13.2 | 0.210 | 212 |
| 70 | 40 | 4 | 6.08 | 7.75 | 46.0 | 18.9 | 2.44 | 1.56 | 13.1 | 9.44 | 16.8 | 11.3 | 45.8 | 16.2 | 0.206 | 164 |
| 70 | 40 | 5 | 7.34 | 9.36 | 52.9 | 21.5 | 2.38 | 1.52 | 15.1 | 10.8 | 19.8 | 13.3 | 53.8 | 18.7 | 0.203 | 136 |
| 70 | 50 | 2 | 3.56 | 4.54 | 31.5 | 18.8 | 2.63 | 2.03 | 8.99 | 7.50 | 10.8 | 8.58 | 37.5 | 12.2 | 0.233 | 281 |
| 70 | 50 | 3 | 5.19 | 6.61 | 44.1 | 26.1 | 2.58 | 1.99 | 12.6 | 10.4 | 15.4 | 12.2 | 53.6 | 17.1 | 0.230 | 193 |
| 70 | 50 | 4 | 6.71 | 8.55 | 54.7 | 32.2 | 2.53 | 1.94 | 15.6 | 12.9 | 19.5 | 15.4 | 68.1 | 21.2 | 0.226 | 149 |
| 70 | 50 | 5 | 8.13 | 10.4 | 63.5 | 37.2 | 2.48 | 1.90 | 18.1 | 14.9 | 23.1 | 18.2 | 80.8 | 24.6 | 0.223 | 123 |
| 70 | 70 | 2 | 4.19 | 5.34 | 40.7 | 40.7 | 2.76 | 2.76 | 11.6 | 11.6 | 13.5 | 13.5 | 64.0 | 17.5 | 0.273 | 239 |
| 70 | 70 | 2,5 | 5.17 | 6.59 | 49.4 | 49.4 | 2.74 | 2.74 | 14.1 | 14.1 | 16.5 | 16.5 | 78.5 | 21.2 | 0.271 | 193 |
| 70 | 70 | 3 | 6.13 | 7.81 | 57.5 | 57.5 | 2.71 | 2.71 | 16.4 | 16.4 | 19.4 | 19.4 | 92.4 | 24.7 | 0.270 | 163 |
| 70 | 70 | 4 | 7.97 | 10.1 | 72.1 | 72.1 | 2.67 | 2.67 | 20.6 | 20.6 | 24.8 | 24.8 | 119 | 31.1 | 0.266 | 126 |
| 70 | 70 | 5 | 9.70 | 12.4 | 84.6 | 84.6 | 2.62 | 2.62 | 24.2 | 24.2 | 29.6 | 29.6 | 142 | 36.7 | 0.263 | 103 |
| 76,2 | 38,1 | 4 | 6.35 | 8.09 | 55.2 | 18.2 | 2.61 | 1.50 | 14.5 | 9.58 | 18.8 | 11.5 | 47.2 | 16.8 | 0.215 | 157 |
| 76,2 | 50,8 | 3 | 5.52 | 7.03 | 54.9 | 29.2 | 2.79 | 2.04 | 14.4 | 11.5 | 17.7 | 13.4 | 62.3 | 19.0 | 0.244 | 181 |
| 76,2 | 50,8 | 4 | 7.15 | 9.11 | 68.4 | 36.2 | 2.74 | 1.99 | 18.0 | 14.2 | 22.4 | 16.9 | 79.3 | 23.7 | 0.240 | 140 |
| 76,2 | 50,8 | 5 | 8.68 | 11.1 | 79.8 | 41.9 | 2.69 | 1.95 | 20.9 | 16.5 | 26.6 | 20.0 | 94.3 | 27.7 | 0.237 | 115 |
| 80 | 30 | 2 | 3.25 | 4.14 | 31.3 | 6.65 | 2.75 | 1.27 | 7.82 | 4.43 | 10.0 | 5.01 | 18.4 | 7.97 | 0.213 | 308 |
| 80 | 30 | 3 | 4.72 | 6.01 | 43.4 | 8.99 | 2.69 | 1.22 | 10.8 | 6.00 | 14.2 | 7.01 | 25.6 | 10.9 | 0.210 | 212 |
| 80 | 30 | 4 | 6.08 | 7.75 | 53.2 | 10.8 | 2.62 | 1.18 | 13.3 | 7.19 | 17.9 | 8.70 | 31.7 | 13.1 | 0.206 | 164 |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | | |
|--|----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|----------------|--|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length | |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne | |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m | |
| 80 | 40 | 2 | 3.56 | 4.54 | 37.4 | 12.7 | 2.87 | 1.67 | 9.34 | 6.36 | 11.6 | 7.17 | 30.9 | 11.0 | 0.233 | 281 | |
| 80 | 40 | 2,5 | 4.39 | 5.59 | 45.1 | 15.3 | 2.84 | 1.65 | 11.3 | 7.63 | 14.1 | 8.72 | 37.6 | 13.2 | 0.231 | 228 | |
| 80 | 40 | 3 | 5.19 | 6.61 | 52.3 | 17.6 | 2.81 | 1.63 | 13.1 | 8.78 | 16.5 | 10.2 | 43.9 | 15.3 | 0.230 | 193 | |
| 80 | 40 | 4 | 6.71 | 8.55 | 64.8 | 21.5 | 2.75 | 1.59 | 16.2 | 10.7 | 20.9 | 12.8 | 55.2 | 18.8 | 0.226 | 149 | |
| 80 | 40 | 5 | 8.13 | 10.4 | 75.1 | 24.6 | 2.69 | 1.54 | 18.8 | 12.3 | 24.7 | 15.0 | 65.0 | 21.7 | 0.223 | 123 | |
| 80 | 50 | 2 | 3.88 | 4.94 | 43.4 | 21.1 | 2.97 | 2.07 | 10.9 | 8.43 | 13.2 | 9.54 | 45.3 | 14.0 | 0.253 | 258 | |
| 80 | 50 | 2,5 | 4.78 | 6.09 | 52.6 | 25.4 | 2.94 | 2.04 | 13.2 | 10.2 | 16.1 | 11.6 | 55.4 | 17.0 | 0.251 | 209 | |
| 80 | 50 | 3 | 5.66 | 7.21 | 61.1 | 29.4 | 2.91 | 2.02 | 15.3 | 11.8 | 18.8 | 13.6 | 65.0 | 19.7 | 0.250 | 177 | |
| 80 | 50 | 4 | 7.34 | 9.35 | 76.4 | 36.5 | 2.86 | 1.98 | 19.1 | 14.6 | 24.0 | 17.2 | 82.7 | 24.6 | 0.246 | 136 | |
| 80 | 50 | 5 | 8.91 | 11.4 | 89.2 | 42.3 | 2.80 | 1.93 | 22.3 | 16.9 | 28.5 | 20.5 | 98.4 | 28.7 | 0.243 | 112 | |
| 80 | 60 | 2 | 4.19 | 5.34 | 49.5 | 31.9 | 3.05 | 2.44 | 12.4 | 10.6 | 14.7 | 12.1 | 61.2 | 17.1 | 0.273 | 239 | |
| 80 | 60 | 2,5 | 5.17 | 6.59 | 60.1 | 38.6 | 3.02 | 2.42 | 15.0 | 12.9 | 18.0 | 14.8 | 75.1 | 20.7 | 0.271 | 193 | |
| 80 | 60 | 3 | 6.13 | 7.81 | 70.0 | 44.9 | 3.00 | 2.40 | 17.5 | 15.0 | 21.2 | 17.4 | 88.3 | 24.1 | 0.270 | 163 | |
| 80 | 60 | 4 | 7.97 | 10.1 | 87.9 | 56.1 | 2.94 | 2.35 | 22.0 | 18.7 | 27.0 | 22.1 | 113 | 30.3 | 0.266 | 126 | |
| 80 | 60 | 5 | 9.70 | 12.4 | 103 | 65.7 | 2.89 | 2.31 | 25.8 | 21.9 | 32.2 | 26.4 | 136 | 35.7 | 0.263 | 103 | |
| 80 | 80 | 3 | 7.07 | 9.01 | 87.8 | 87.8 | 3.12 | 3.12 | 22.0 | 22.0 | 25.8 | 25.8 | 140 | 33.0 | 0.310 | 141 | |
| 80 | 80 | 4 | 9.22 | 11.7 | 111 | 111 | 3.07 | 3.07 | 27.8 | 27.8 | 33.1 | 33.1 | 180 | 41.8 | 0.306 | 108 | |
| 80 | 80 | 5 | 11.3 | 14.4 | 131 | 131 | 3.03 | 3.03 | 32.9 | 32.9 | 39.7 | 39.7 | 218 | 49.7 | 0.303 | 88.7 | |
| 80 | 80 | 6 | 13.2 | 16.8 | 149 | 149 | 2.98 | 2.98 | 37.3 | 37.3 | 45.8 | 45.8 | 252 | 56.6 | 0.299 | 75.7 | |
| 81 | 51 | 5 | 9.07 | 11.6 | 93.5 | 44.9 | 2.84 | 1.97 | 23.1 | 17.6 | 29.4 | 21.3 | 104 | 29.8 | 0.247 | 110 | |
| 90 | 50 | 2 | 4.19 | 5.34 | 57.9 | 23.4 | 3.29 | 2.09 | 12.9 | 9.35 | 15.7 | 10.5 | 53.4 | 15.9 | 0.273 | 239 | |
| 90 | 50 | 3 | 6.13 | 7.81 | 81.9 | 32.7 | 3.24 | 2.05 | 18.2 | 13.1 | 22.6 | 15.0 | 76.7 | 22.4 | 0.270 | 163 | |
| 90 | 50 | 4 | 7.97 | 10.1 | 103 | 40.7 | 3.18 | 2.00 | 22.8 | 16.3 | 28.8 | 19.1 | 97.7 | 28.0 | 0.266 | 126 | |
| 90 | 50 | 5 | 9.70 | 12.4 | 121 | 47.4 | 3.12 | 1.96 | 26.8 | 18.9 | 34.4 | 22.7 | 116 | 32.7 | 0.263 | 103 | |
| 90 | 60 | 2 | 4.50 | 5.74 | 65.6 | 35.2 | 3.38 | 2.48 | 14.6 | 11.7 | 17.5 | 13.3 | 72.5 | 19.3 | 0.293 | 222 | |
| 90 | 60 | 2,5 | 5.56 | 7.09 | 79.8 | 42.7 | 3.36 | 2.46 | 17.7 | 14.2 | 21.4 | 16.2 | 89.0 | 23.5 | 0.291 | 180 | |
| 90 | 60 | 3 | 6.60 | 8.41 | 93.2 | 49.8 | 3.33 | 2.43 | 20.7 | 16.6 | 25.2 | 19.1 | 105 | 27.4 | 0.290 | 152 | |
| 90 | 70 | 4 | 9.22 | 11.7 | 132 | 89.6 | 3.36 | 2.76 | 29.4 | 25.6 | 35.7 | 30.0 | 174 | 41.1 | 0.306 | 108 | |
| 90 | 70 | 5 | 11.3 | 14.4 | 157 | 106 | 3.30 | 2.71 | 34.8 | 30.2 | 42.9 | 36.1 | 210 | 48.7 | 0.303 | 88.7 | |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|----------------|--|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length | |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne | |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m | |
| 90 | 90 | 3 | 8.01 | 10.2 | 127 | 127 | 3.53 | 3.53 | 28.3 | 28.3 | 33.0 | 33.0 | 201 | 42.5 | 0.350 | 125 | |
| 90 | 90 | 4 | 10.5 | 13.3 | 162 | 162 | 3.48 | 3.48 | 36.0 | 36.0 | 42.6 | 42.6 | 261 | 54.2 | 0.346 | 95.4 | |
| 90 | 90 | 5 | 12.8 | 16.4 | 193 | 193 | 3.43 | 3.43 | 42.9 | 42.9 | 51.4 | 51.4 | 316 | 64.7 | 0.343 | 77.9 | |
| 90 | 90 | 5,6 | 14.2 | 18.1 | 210 | 210 | 3.41 | 3.41 | 46.6 | 46.6 | 56.4 | 56.4 | 348 | 70.5 | 0.341 | 70.4 | |
| 90 | 90 | 6 | 15.1 | 19.2 | 220 | 220 | 3.39 | 3.39 | 49.0 | 49.0 | 59.5 | 59.5 | 368 | 74.2 | 0.339 | 66.2 | |
| 100 | 40 | 2 | 4.19 | 5.34 | 65.4 | 15.6 | 3.50 | 1.71 | 13.1 | 7.81 | 16.5 | 8.69 | 41.5 | 13.9 | 0.273 | 239 | |
| 100 | 40 | 2,5 | 5.17 | 6.59 | 79.3 | 18.8 | 3.47 | 1.69 | 15.9 | 9.39 | 20.2 | 10.6 | 50.5 | 16.8 | 0.271 | 193 | |
| 100 | 40 | 3 | 6.13 | 7.81 | 92.3 | 21.7 | 3.44 | 1.67 | 18.5 | 10.8 | 23.7 | 12.4 | 59.0 | 19.4 | 0.270 | 163 | |
| 100 | 40 | 4 | 7.97 | 10.1 | 116 | 26.7 | 3.38 | 1.62 | 23.1 | 13.3 | 30.3 | 15.7 | 74.5 | 24.0 | 0.266 | 126 | |
| 100 | 40 | 5 | 9.70 | 12.4 | 136 | 30.8 | 3.31 | 1.58 | 27.1 | 15.4 | 36.1 | 18.5 | 87.9 | 27.9 | 0.263 | 103 | |
| 100 | 50 | 2 | 4.50 | 5.74 | 75.0 | 25.7 | 3.62 | 2.12 | 15.0 | 10.3 | 18.5 | 11.5 | 61.6 | 17.7 | 0.293 | 222 | |
| 100 | 50 | 2,5 | 5.56 | 7.09 | 91.2 | 31.1 | 3.59 | 2.09 | 18.2 | 12.4 | 22.7 | 14.0 | 75.4 | 21.5 | 0.291 | 180 | |
| 100 | 50 | 3 | 6.60 | 8.41 | 106 | 36.1 | 3.56 | 2.07 | 21.3 | 14.4 | 26.7 | 16.4 | 88.6 | 25.0 | 0.290 | 152 | |
| 100 | 50 | 3,5 | 7.61 | 9.69 | 121 | 40.7 | 3.53 | 2.05 | 24.2 | 16.3 | 30.5 | 18.7 | 101 | 28.3 | 0.288 | 131 | |
| 100 | 50 | 4 | 8.59 | 10.9 | 134 | 44.9 | 3.50 | 2.03 | 26.8 | 18.0 | 34.1 | 20.9 | 113 | 31.3 | 0.286 | 116 | |
| 100 | 50 | 5 | 10.5 | 13.4 | 158 | 52.5 | 3.44 | 1.98 | 31.6 | 21.0 | 40.8 | 25.0 | 135 | 36.8 | 0.283 | 95.4 | |
| 100 | 60 | 2,5 | 5.96 | 7.59 | 103 | 46.9 | 3.69 | 2.49 | 20.6 | 15.6 | 25.1 | 17.7 | 103 | 26.2 | 0.311 | 168 | |
| 100 | 60 | 3 | 7.07 | 9.01 | 121 | 54.6 | 3.66 | 2.46 | 24.1 | 18.2 | 29.6 | 20.8 | 122 | 30.6 | 0.310 | 141 | |
| 100 | 60 | 4 | 9.22 | 11.7 | 153 | 68.7 | 3.60 | 2.42 | 30.5 | 22.9 | 37.9 | 26.6 | 156 | 38.7 | 0.306 | 108 | |
| 100 | 60 | 5 | 11.3 | 14.4 | 181 | 80.8 | 3.55 | 2.37 | 36.2 | 26.9 | 45.6 | 31.9 | 188 | 45.8 | 0.303 | 88.7 | |
| 100 | 60 | 6 | 13.2 | 16.8 | 205 | 91.2 | 3.49 | 2.33 | 41.1 | 30.4 | 52.5 | 36.6 | 216 | 51.9 | 0.299 | 75.7 | |
| 100 | 80 | 3 | 8.01 | 10.2 | 149 | 106 | 3.82 | 3.22 | 29.8 | 26.4 | 35.4 | 30.4 | 196 | 41.9 | 0.350 | 125 | |
| 100 | 80 | 4 | 10.5 | 13.3 | 189 | 134 | 3.77 | 3.17 | 37.9 | 33.5 | 45.6 | 39.2 | 254 | 53.4 | 0.346 | 95.4 | |
| 100 | 80 | 5 | 12.8 | 16.4 | 226 | 160 | 3.72 | 3.12 | 45.2 | 39.9 | 55.1 | 47.2 | 308 | 63.7 | 0.343 | 77.9 | |
| 100 | 80 | 6 | 15.1 | 19.2 | 258 | 182 | 3.67 | 3.08 | 51.7 | 45.5 | 63.8 | 54.7 | 357 | 73.0 | 0.339 | 66.2 | |
| 100 | 100 | 3 | 8.96 | 11.4 | 177 | 177 | 3.94 | 3.94 | 35.4 | 35.4 | 41.2 | 41.2 | 279 | 53.2 | 0.390 | 112 | |
| 100 | 100 | 4 | 11.7 | 14.9 | 226 | 226 | 3.89 | 3.89 | 45.3 | 45.3 | 53.3 | 53.3 | 362 | 68.1 | 0.386 | 85.2 | |
| 100 | 100 | 5 | 14.4 | 18.4 | 271 | 271 | 3.84 | 3.84 | 54.2 | 54.2 | 64.6 | 64.6 | 441 | 81.7 | 0.383 | 69.4 | |
| 100 | 100 | 6 | 17.0 | 21.6 | 311 | 311 | 3.79 | 3.79 | 62.3 | 62.3 | 75.1 | 75.1 | 514 | 94.1 | 0.379 | 58.9 | |
| 110 | 70 | 3 | 8.01 | 10.2 | 170 | 84.5 | 4.08 | 2.88 | 30.8 | 24.1 | 37.4 | 27.5 | 181 | 40.1 | 0.350 | 125 | |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 110 | 70 | 4 | 10.5 | 13.3 | 216 | 107 | 4.02 | 2.83 | 39.3 | 30.6 | 48.3 | 35.3 | 233 | 51.0 | 0.346 | 95.4 |
| 110 | 70 | 5 | 12.8 | 16.4 | 258 | 127 | 3.97 | 2.79 | 46.8 | 36.3 | 58.3 | 42.6 | 282 | 60.8 | 0.343 | 77.9 |
| 120 | 40 | 3 | 7.07 | 9.01 | 148 | 25.8 | 4.05 | 1.69 | 24.7 | 12.9 | 32.2 | 14.6 | 74.6 | 23.5 | 0.310 | 141 |
| 120 | 40 | 4 | 9.22 | 11.7 | 187 | 31.9 | 3.99 | 1.65 | 31.1 | 15.9 | 41.2 | 18.5 | 94.2 | 29.2 | 0.306 | 108 |
| 120 | 40 | 5 | 11.3 | 14.4 | 221 | 36.9 | 3.92 | 1.60 | 36.8 | 18.5 | 49.4 | 22.0 | 111 | 34.1 | 0.303 | 88.7 |
| 120 | 50 | 2,5 | 6.35 | 8.09 | 144 | 36.7 | 4.22 | 2.13 | 24.0 | 14.7 | 30.3 | 16.4 | 96.0 | 26.0 | 0.331 | 157 |
| 120 | 50 | 3 | 7.54 | 9.61 | 169 | 42.7 | 4.19 | 2.11 | 28.1 | 17.1 | 35.7 | 19.3 | 113 | 30.3 | 0.330 | 133 |
| 120 | 50 | 3,5 | 8.71 | 11.1 | 192 | 48.3 | 4.16 | 2.09 | 32.0 | 19.3 | 40.9 | 22.0 | 129 | 34.4 | 0.328 | 115 |
| 120 | 50 | 4 | 9.85 | 12.5 | 214 | 53.4 | 4.13 | 2.06 | 35.6 | 21.4 | 45.8 | 24.6 | 144 | 38.1 | 0.326 | 102 |
| 120 | 50 | 5 | 12.1 | 15.4 | 254 | 62.6 | 4.07 | 2.02 | 42.3 | 25.0 | 55.2 | 29.5 | 172 | 44.9 | 0.323 | 83.0 |
| 120 | 60 | 2,5 | 6.74 | 8.59 | 161 | 55.2 | 4.33 | 2.53 | 26.9 | 18.4 | 33.2 | 20.6 | 133 | 31.7 | 0.351 | 148 |
| 120 | 60 | 3 | 8.01 | 10.2 | 189 | 64.4 | 4.30 | 2.51 | 31.5 | 21.5 | 39.2 | 24.2 | 156 | 37.1 | 0.350 | 125 |
| 120 | 60 | 4 | 10.5 | 13.3 | 241 | 81.2 | 4.25 | 2.47 | 40.1 | 27.1 | 50.5 | 31.1 | 201 | 47.0 | 0.346 | 95.4 |
| 120 | 60 | 5 | 12.8 | 16.4 | 287 | 96.0 | 4.19 | 2.42 | 47.8 | 32.0 | 60.9 | 37.4 | 242 | 55.8 | 0.343 | 77.9 |
| 120 | 60 | 6 | 15.1 | 19.2 | 328 | 109 | 4.13 | 2.38 | 54.7 | 36.3 | 70.6 | 43.1 | 280 | 63.6 | 0.339 | 66.2 |
| 120 | 80 | 3 | 8.96 | 11.4 | 230 | 123 | 4.49 | 3.29 | 38.4 | 30.9 | 46.2 | 35.0 | 255 | 50.8 | 0.390 | 112 |
| 120 | 80 | 4 | 11.7 | 14.9 | 295 | 157 | 4.44 | 3.24 | 49.1 | 39.3 | 59.8 | 45.2 | 331 | 64.9 | 0.386 | 85.2 |
| 120 | 80 | 5 | 14.4 | 18.4 | 353 | 188 | 4.39 | 3.20 | 58.9 | 46.9 | 72.4 | 54.7 | 402 | 77.8 | 0.383 | 69.4 |
| 120 | 80 | 6 | 17.0 | 21.6 | 406 | 215 | 4.33 | 3.15 | 67.7 | 53.8 | 84.3 | 63.5 | 469 | 89.4 | 0.379 | 58.9 |
| 120 | 100 | 6 | 18.9 | 24.0 | 484 | 365 | 4.49 | 3.89 | 80.7 | 72.9 | 97.9 | 86.4 | 682 | 115 | 0.419 | 53.0 |
| 120 | 120 | 3 | 10.8 | 13.8 | 312 | 312 | 4.76 | 4.76 | 52.1 | 52.1 | 60.2 | 60.2 | 488 | 78.2 | 0.470 | 92.3 |
| 120 | 120 | 4 | 14.2 | 18.1 | 402 | 402 | 4.71 | 4.71 | 67.0 | 67.0 | 78.3 | 78.3 | 637 | 101 | 0.466 | 70.2 |
| 120 | 120 | 5 | 17.5 | 22.4 | 485 | 485 | 4.66 | 4.66 | 80.9 | 80.9 | 95.4 | 95.4 | 778 | 122 | 0.463 | 57.0 |
| 120 | 120 | 6 | 20.7 | 26.4 | 562 | 562 | 4.61 | 4.61 | 93.7 | 93.7 | 112 | 112 | 913 | 141 | 0.459 | 48.2 |
| 120 | 120 | 8 | 26.4 | 33.6 | 677 | 677 | 4.49 | 4.49 | 113 | 113 | 138 | 138 | 1163 | 175 | 0.446 | 37.9 |
| 120 | 120 | 10 | 31.8 | 40.6 | 777 | 777 | 4.38 | 4.38 | 129 | 129 | 162 | 162 | 1376 | 203 | 0.437 | 31.4 |
| 124 | 124 | 3,5 | 13.0 | 16.6 | 397 | 397 | 4.90 | 4.90 | 64.0 | 64.0 | 74.3 | 74.3 | 623 | 96.1 | 0.484 | 77.0 |
| 133 | 133 | 3,5 | 14.0 | 17.8 | 493 | 493 | 5.26 | 5.26 | 74.2 | 74.2 | 86.0 | 86.0 | 772 | 111 | 0.520 | 71.5 |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 140 | 80 | 3 | 9.90 | 12.6 | 334 | 141 | 5.15 | 3.35 | 47.8 | 35.3 | 58.2 | 39.6 | 317 | 59.7 | 0.430 | 101 |
| 140 | 80 | 4 | 13.0 | 16.5 | 430 | 180 | 5.10 | 3.30 | 61.4 | 45.1 | 75.5 | 51.3 | 412 | 76.5 | 0.426 | 77.0 |
| 140 | 80 | 5 | 16.0 | 20.4 | 517 | 216 | 5.04 | 3.26 | 73.9 | 54.0 | 91.8 | 62.2 | 501 | 91.8 | 0.423 | 62.6 |
| 140 | 80 | 6 | 18.9 | 24.0 | 597 | 248 | 4.98 | 3.21 | 85.3 | 62.0 | 107 | 72.4 | 584 | 106 | 0.419 | 53.0 |
| 140 | 80 | 8 | 23.9 | 30.4 | 708 | 293 | 4.82 | 3.10 | 101 | 73.3 | 131 | 88.4 | 731 | 129 | 0.406 | 41.8 |
| 140 | 80 | 10 | 28.7 | 36.6 | 804 | 330 | 4.69 | 3.01 | 115 | 82.6 | 152 | 103 | 851 | 147 | 0.397 | 34.8 |
| 140 | 140 | 4 | 16.8 | 21.3 | 652 | 652 | 5.52 | 5.52 | 93.1 | 93.1 | 108 | 108 | 1023 | 140 | 0.546 | 59.7 |
| 140 | 140 | 5 | 20.7 | 26.4 | 791 | 791 | 5.48 | 5.48 | 113 | 113 | 132 | 132 | 1256 | 170 | 0.543 | 48.3 |
| 140 | 140 | 6 | 24.5 | 31.2 | 920 | 920 | 5.43 | 5.43 | 131 | 131 | 155 | 155 | 1479 | 198 | 0.539 | 40.8 |
| 140 | 140 | 8 | 31.4 | 40.0 | 1127 | 1127 | 5.30 | 5.30 | 161 | 161 | 194 | 194 | 1901 | 248 | 0.526 | 31.8 |
| 140 | 140 | 10 | 38.1 | 48.6 | 1312 | 1312 | 5.20 | 5.20 | 187 | 187 | 230 | 230 | 2274 | 291 | 0.517 | 26.2 |
| 150 | 100 | 3 | 11.3 | 14.4 | 461 | 248 | 5.65 | 4.15 | 61.4 | 49.5 | 73.5 | 55.8 | 507 | 81.4 | 0.490 | 88.4 |
| 150 | 100 | 4 | 14.9 | 18.9 | 595 | 319 | 5.60 | 4.10 | 79.3 | 63.7 | 95.7 | 72.5 | 662 | 105 | 0.486 | 67.2 |
| 150 | 100 | 5 | 18.3 | 23.4 | 719 | 384 | 5.55 | 4.05 | 95.9 | 76.8 | 117 | 88.3 | 809 | 127 | 0.483 | 54.5 |
| 150 | 100 | 6 | 21.7 | 27.6 | 835 | 444 | 5.50 | 4.01 | 111 | 88.8 | 137 | 103 | 948 | 147 | 0.479 | 46.1 |
| 150 | 100 | 8 | 27.7 | 35.2 | 1008 | 536 | 5.35 | 3.90 | 134 | 107 | 169 | 128 | 1206 | 182 | 0.466 | 36.1 |
| 150 | 100 | 10 | 33.4 | 42.6 | 1162 | 614 | 5.22 | 3.80 | 155 | 123 | 199 | 150 | 1426 | 211 | 0.457 | 29.9 |
| 150 | 150 | 4 | 18.0 | 22.9 | 808 | 808 | 5.93 | 5.93 | 108 | 108 | 125 | 125 | 1265 | 162 | 0.586 | 55.5 |
| 150 | 150 | 5 | 22.3 | 28.4 | 982 | 982 | 5.89 | 5.89 | 131 | 131 | 153 | 153 | 1554 | 197 | 0.583 | 44.9 |
| 150 | 150 | 6 | 26.4 | 33.6 | 1146 | 1146 | 5.84 | 5.84 | 153 | 153 | 180 | 180 | 1833 | 230 | 0.579 | 37.9 |
| 150 | 150 | 8 | 33.9 | 43.2 | 1412 | 1412 | 5.71 | 5.71 | 188 | 188 | 226 | 226 | 2364 | 289 | 0.566 | 29.5 |
| 150 | 150 | 10 | 41.3 | 52.6 | 1653 | 1653 | 5.61 | 5.61 | 220 | 220 | 269 | 269 | 2839 | 341 | 0.557 | 24.2 |
| 160 | 80 | 3 | 10.8 | 13.8 | 464 | 159 | 5.80 | 3.39 | 58.0 | 39.8 | 71.4 | 44.3 | 380 | 68.6 | 0.470 | 92.3 |
| 160 | 80 | 4 | 14.2 | 18.1 | 598 | 204 | 5.74 | 3.35 | 74.7 | 50.9 | 92.9 | 57.4 | 494 | 88.0 | 0.466 | 70.2 |
| 160 | 80 | 5 | 17.5 | 22.4 | 722 | 244 | 5.68 | 3.30 | 90.2 | 61.0 | 113 | 69.7 | 601 | 106 | 0.463 | 57.0 |
| 160 | 80 | 6 | 20.7 | 26.4 | 836 | 281 | 5.62 | 3.26 | 105 | 70.2 | 132 | 81.3 | 702 | 122 | 0.459 | 48.2 |
| 160 | 80 | 8 | 26.4 | 33.6 | 1001 | 335 | 5.46 | 3.16 | 125 | 83.7 | 163 | 100 | 882 | 150 | 0.446 | 37.9 |
| 160 | 90 | 4 | 14.9 | 18.9 | 646 | 266 | 5.84 | 3.74 | 80.8 | 59.0 | 99.1 | 66.7 | 606 | 100 | 0.486 | 67.2 |
| 160 | 90 | 5 | 18.3 | 23.4 | 782 | 320 | 5.79 | 3.70 | 97.7 | 71.0 | 121 | 81.2 | 740 | 121 | 0.483 | 54.5 |
| 160 | 90 | 6 | 21.7 | 27.6 | 907 | 369 | 5.73 | 3.65 | 113 | 82.0 | 142 | 94.8 | 866 | 140 | 0.479 | 46.1 |
| 160 | 90 | 8 | 27.7 | 35.2 | 1094 | 443 | 5.57 | 3.55 | 137 | 98.5 | 175 | 117 | 1097 | 172 | 0.466 | 36.1 |
| 160 | 90 | 10 | 33.4 | 42.6 | 1259 | 507 | 5.44 | 3.45 | 157 | 113 | 206 | 137 | 1291 | 199 | 0.457 | 29.9 |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 160 | 160 | 4 | 19.3 | 24.5 | 987 | 987 | 6.34 | 6.34 | 123 | 123 | 143 | 143 | 1541 | 185 | 0.626 | 51.9 |
| 160 | 160 | 5 | 23.8 | 30.4 | 1202 | 1202 | 6.29 | 6.29 | 150 | 150 | 175 | 175 | 1896 | 226 | 0.623 | 42.0 |
| 160 | 160 | 6 | 28.3 | 36.0 | 1405 | 1405 | 6.25 | 6.25 | 176 | 176 | 206 | 206 | 2239 | 264 | 0.619 | 35.4 |
| 160 | 160 | 8 | 36.5 | 46.4 | 1741 | 1741 | 6.12 | 6.12 | 218 | 218 | 260 | 260 | 2897 | 334 | 0.606 | 27.4 |
| 160 | 160 | 10 | 44.4 | 56.6 | 2048 | 2048 | 6.02 | 6.02 | 256 | 256 | 311 | 311 | 3490 | 395 | 0.597 | 22.5 |
| 180 | 80 | 3 | 11.8 | 15.0 | 621 | 177 | 6.43 | 3.43 | 69.0 | 44.2 | 85.8 | 48.9 | 445 | 77.5 | 0.510 | 84.9 |
| 180 | 80 | 4 | 15.5 | 19.7 | 802 | 227 | 6.37 | 3.39 | 89.1 | 56.7 | 112 | 63.5 | 578 | 99.6 | 0.506 | 64.5 |
| 180 | 80 | 5 | 19.1 | 24.4 | 971 | 272 | 6.31 | 3.34 | 108 | 68.1 | 137 | 77.2 | 704 | 120 | 0.503 | 52.3 |
| 180 | 80 | 6 | 22.6 | 28.8 | 1128 | 314 | 6.25 | 3.30 | 125 | 78.5 | 160 | 90.2 | 823 | 139 | 0.499 | 44.2 |
| 180 | 80 | 8 | 28.9 | 36.8 | 1362 | 377 | 6.08 | 3.20 | 151 | 94.1 | 198 | 111 | 1036 | 170 | 0.486 | 34.6 |
| 180 | 80 | 10 | 35.0 | 44.6 | 1570 | 429 | 5.94 | 3.10 | 174 | 107 | 234 | 131 | 1214 | 196 | 0.477 | 28.6 |
| 180 | 100 | 4 | 16.8 | 21.3 | 926 | 374 | 6.59 | 4.18 | 103 | 74.8 | 126 | 84.0 | 854 | 127 | 0.546 | 59.7 |
| 180 | 100 | 5 | 20.7 | 26.4 | 1124 | 452 | 6.53 | 4.14 | 125 | 90.4 | 154 | 103 | 1045 | 154 | 0.543 | 48.3 |
| 180 | 100 | 6 | 24.5 | 31.2 | 1310 | 524 | 6.48 | 4.10 | 146 | 105 | 181 | 120 | 1227 | 179 | 0.539 | 40.8 |
| 180 | 100 | 8 | 31.4 | 40.0 | 1598 | 637 | 6.32 | 3.99 | 178 | 127 | 226 | 150 | 1565 | 222 | 0.526 | 31.8 |
| 180 | 100 | 10 | 38.1 | 48.6 | 1859 | 736 | 6.19 | 3.89 | 207 | 147 | 268 | 177 | 1859 | 260 | 0.517 | 26.2 |
| 180 | 180 | 5 | 27.0 | 34.4 | 1737 | 1737 | 7.11 | 7.11 | 193 | 193 | 224 | 224 | 2724 | 290 | 0.703 | 37.1 |
| 180 | 180 | 6 | 32.1 | 40.8 | 2037 | 2037 | 7.06 | 7.06 | 226 | 226 | 264 | 264 | 3223 | 340 | 0.699 | 31.2 |
| 180 | 180 | 8 | 41.5 | 52.8 | 2546 | 2546 | 6.94 | 6.94 | 283 | 283 | 336 | 336 | 4189 | 432 | 0.686 | 24.1 |
| 180 | 180 | 10 | 50.7 | 64.6 | 3017 | 3017 | 6.84 | 6.84 | 335 | 335 | 404 | 404 | 5074 | 515 | 0.677 | 19.7 |
| 200 | 100 | 4 | 18.0 | 22.9 | 1200 | 411 | 7.23 | 4.23 | 120 | 82.2 | 148 | 91.7 | 985 | 142 | 0.586 | 55.5 |
| 200 | 100 | 5 | 22.3 | 28.4 | 1459 | 497 | 7.17 | 4.19 | 146 | 99.4 | 181 | 112 | 1206 | 172 | 0.583 | 44.9 |
| 200 | 100 | 6 | 26.4 | 33.6 | 1703 | 577 | 7.12 | 4.14 | 170 | 115 | 213 | 132 | 1417 | 200 | 0.579 | 37.9 |
| 200 | 100 | 8 | 33.9 | 43.2 | 2091 | 705 | 6.95 | 4.04 | 209 | 141 | 267 | 165 | 1811 | 250 | 0.566 | 29.5 |
| 200 | 100 | 10 | 41.3 | 52.6 | 2444 | 818 | 6.82 | 3.94 | 244 | 164 | 318 | 195 | 2154 | 292 | 0.557 | 24.2 |
| 200 | 120 | 4 | 19.3 | 24.5 | 1353 | 618 | 7.43 | 5.02 | 135 | 103 | 164 | 115 | 1345 | 172 | 0.626 | 51.9 |
| 200 | 120 | 5 | 23.8 | 30.4 | 1649 | 750 | 7.37 | 4.97 | 165 | 125 | 201 | 141 | 1652 | 210 | 0.623 | 42.0 |
| 200 | 120 | 6 | 28.3 | 36.0 | 1929 | 874 | 7.32 | 4.93 | 193 | 146 | 237 | 166 | 1947 | 245 | 0.619 | 35.4 |
| 200 | 120 | 8 | 36.5 | 46.4 | 2386 | 1079 | 7.17 | 4.82 | 239 | 180 | 298 | 209 | 2507 | 308 | 0.606 | 27.4 |
| 200 | 120 | 10 | 44.4 | 56.6 | 2806 | 1262 | 7.04 | 4.72 | 281 | 210 | 356 | 250 | 3007 | 364 | 0.597 | 22.5 |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|-----------------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length /tonne |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 200 | 150 | 4 | 21.2 | 26.9 | 1584 | 1021 | 7.67 | 6.16 | 158 | 136 | 187 | 154 | 1942 | 219 | 0.686 | 47.3 |
| 200 | 150 | 5 | 26.2 | 33.4 | 1935 | 1245 | 7.62 | 6.11 | 193 | 166 | 230 | 189 | 2391 | 267 | 0.683 | 38.2 |
| 200 | 150 | 6 | 31.1 | 39.6 | 2268 | 1457 | 7.56 | 6.06 | 227 | 194 | 271 | 223 | 2826 | 313 | 0.679 | 32.1 |
| 200 | 150 | 8 | 40.2 | 51.2 | 2829 | 1816 | 7.43 | 5.95 | 283 | 242 | 344 | 283 | 3665 | 396 | 0.666 | 24.9 |
| 200 | 150 | 10 | 49.1 | 62.6 | 3348 | 2143 | 7.31 | 5.85 | 335 | 286 | 413 | 339 | 4428 | 471 | 0.657 | 20.4 |
| 200 | 200 | 5 | 30.1 | 38.4 | 2410 | 2410 | 7.93 | 7.93 | 241 | 241 | 279 | 279 | 3763 | 362 | 0.783 | 33.2 |
| 200 | 200 | 6 | 35.8 | 45.6 | 2833 | 2833 | 7.88 | 7.88 | 283 | 283 | 330 | 330 | 4459 | 426 | 0.779 | 27.9 |
| 200 | 200 | 8 | 46.5 | 59.2 | 3566 | 3566 | 7.76 | 7.76 | 357 | 357 | 421 | 421 | 5815 | 544 | 0.766 | 21.5 |
| 200 | 200 | 10 | 57.0 | 72.6 | 4251 | 4251 | 7.65 | 7.65 | 425 | 425 | 508 | 508 | 7072 | 651 | 0.757 | 17.6 |
| 200 | 200 | 12,5 | 68.3 | 87.0 | 4859 | 4859 | 7.47 | 7.47 | 486 | 486 | 594 | 594 | 8502 | 765 | 0.736 | 14.6 |
| 220 | 120 | 6 | 30.2 | 38.4 | 2439 | 952 | 7.97 | 4.98 | 222 | 159 | 274 | 180 | 2222 | 271 | 0.659 | 33.1 |
| 250 | 100 | 4 | 21.2 | 26.9 | 2092 | 503 | 8.81 | 4.32 | 167 | 101 | 210 | 111 | 1323 | 179 | 0.686 | 47.3 |
| 250 | 100 | 5 | 26.2 | 33.4 | 2554 | 610 | 8.75 | 4.28 | 204 | 122 | 259 | 136 | 1620 | 217 | 0.683 | 38.2 |
| 250 | 100 | 6 | 31.1 | 39.6 | 2992 | 710 | 8.69 | 4.23 | 239 | 142 | 305 | 160 | 1905 | 253 | 0.679 | 32.1 |
| 250 | 100 | 8 | 40.2 | 51.2 | 3714 | 875 | 8.51 | 4.13 | 297 | 175 | 385 | 201 | 2439 | 317 | 0.666 | 24.9 |
| 250 | 100 | 10 | 49.1 | 62.6 | 4384 | 1021 | 8.37 | 4.04 | 351 | 204 | 462 | 240 | 2910 | 373 | 0.657 | 20.4 |
| 250 | 150 | 5 | 30.1 | 38.4 | 3304 | 1508 | 9.28 | 6.27 | 264 | 201 | 320 | 225 | 3285 | 337 | 0.783 | 33.2 |
| 250 | 150 | 6 | 35.8 | 45.6 | 3886 | 1768 | 9.23 | 6.23 | 311 | 236 | 378 | 266 | 3886 | 396 | 0.779 | 27.9 |
| 250 | 150 | 8 | 46.5 | 59.2 | 4886 | 2219 | 9.08 | 6.12 | 391 | 296 | 482 | 340 | 5050 | 504 | 0.766 | 21.5 |
| 250 | 150 | 10 | 57.0 | 72.6 | 5825 | 2634 | 8.96 | 6.02 | 466 | 351 | 582 | 409 | 6121 | 602 | 0.757 | 17.6 |
| 250 | 150 | 12,5 | 68.3 | 87.0 | 6633 | 3002 | 8.73 | 5.87 | 531 | 400 | 678 | 477 | 7315 | 704 | 0.736 | 14.6 |
| 250 | 250 | 6 | 45.2 | 57.6 | 5672 | 5672 | 9.92 | 9.92 | 454 | 454 | 524 | 524 | 8843 | 681 | 0.979 | 22.1 |
| 250 | 250 | 8 | 59.1 | 75.2 | 7229 | 7229 | 9.80 | 9.80 | 578 | 578 | 676 | 676 | 11598 | 878 | 0.966 | 16.9 |
| 250 | 250 | 10 | 72.7 | 92.6 | 8707 | 8707 | 9.70 | 9.70 | 697 | 697 | 822 | 822 | 14197 | 1062 | 0.957 | 13.8 |
| 250 | 250 | 12,5 | 88.0 | 112 | 10161 | 10161 | 9.52 | 9.52 | 813 | 813 | 975 | 975 | 17283 | 1266 | 0.936 | 11.4 |
| 300 | 100 | 6 | 35.8 | 45.6 | 4777 | 842 | 10.2 | 4.30 | 318 | 168 | 411 | 188 | 2403 | 306 | 0.779 | 27.9 |
| 300 | 100 | 8 | 46.5 | 59.2 | 5978 | 1045 | 10.0 | 4.20 | 399 | 209 | 523 | 238 | 3080 | 385 | 0.766 | 21.5 |
| 300 | 100 | 10 | 57.0 | 72.6 | 7106 | 1224 | 9.90 | 4.11 | 474 | 245 | 631 | 285 | 3681 | 455 | 0.757 | 17.6 |
| 300 | 100 | 12,5 | 68.3 | 87.0 | 8010 | 1374 | 9.59 | 3.97 | 534 | 275 | 732 | 330 | 4292 | 521 | 0.736 | 14.6 |
| 300 | 200 | 6 | 45.2 | 57.6 | 7370 | 3962 | 11.3 | 8.29 | 491 | 396 | 588 | 446 | 8115 | 651 | 0.979 | 22.1 |

| EN 10219 Eigenschappen koudgevormde vierkante en rechthoekige buizen | | | | | | | | | | | | | | | | |
|--|-----|-----------|------|-----------------|-------------------|-----------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|--------------------|----------------|
| Size | | Thickness | Mass | Sectional area | Moment of inertia | | Radius of gyration | | Elastic modulus | | Plastic modulus | | Torsional constants | | Superficial area/m | Approx. length |
| D | B | T | M | A | I _{xx} | I _{yy} | i _{xx} | i _{yy} | W _{el,xx} | W _{el,yy} | W _{pl,xx} | W _{pl,yy} | I _t | C _t | A _s | /tonne |
| mm | mm | mm | kg/m | cm ² | cm ⁴ | cm ⁴ | cm | cm | cm ³ | cm ³ | cm ³ | cm ³ | cm ⁴ | cm ³ | m ² /m | m |
| 300 | 200 | 8 | 59.1 | 75.2 | 9389 | 5042 | 11.2 | 8.19 | 626 | 504 | 757 | 574 | 10627 | 838 | 0.966 | 16.9 |
| 300 | 200 | 10 | 72.7 | 92.6 | 11313 | 6058 | 11.1 | 8.09 | 754 | 606 | 921 | 698 | 12987 | 1012 | 0.957 | 13.8 |
| 300 | 200 | 12,5 | 88.0 | 112 | 13179 | 7060 | 10.8 | 7.94 | 879 | 706 | 1091 | 828 | 15768 | 1204 | 0.936 | 11.4 |