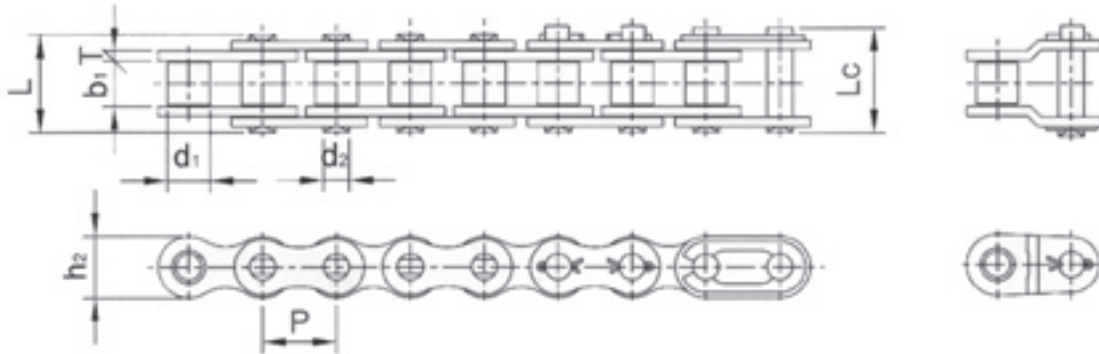


# American Standard Simplex Roller Chain



| ANSI Chain No. | Pitch | Roller diameter    | Width between inner plates | Pin diameter       | Pin Length |        | Inner plate depth  | Plate thickness | Ultimate tensile strength | Average tensile strength | Weight per meter |
|----------------|-------|--------------------|----------------------------|--------------------|------------|--------|--------------------|-----------------|---------------------------|--------------------------|------------------|
|                | P     | d <sub>1</sub> max | b <sub>1</sub> min         | d <sub>2</sub> max | L max      | Lc max | h <sub>2</sub> max | T               | Q(ISO/DIN) min            | Q <sub>0</sub>           | q =              |
|                | mm    | mm                 | mm                         | mm                 | mm         | mm     | mm                 | mm              | kN                        | kN                       | kg/m             |
| *25            | 6.35  | 3.30               | 3.10                       | 2.31               | 8.00       | 9.90   | 6.02               | 0.80            | 3.50                      | 4.40                     | 0.14             |
| *35            | 9.53  | 5.08               | 4.68                       | 3.58               | 12.40      | 14.40  | 8.70               | 1.30            | 7.90                      | 10.40                    | 0.33             |
| 41             | 12.70 | 7.77               | 6.25                       | 3.58               | 13.75      | 16.00  | 9.91               | 1.25            | 6.80                      | 11.80                    | 0.41             |
| 40             | 12.70 | 7.95               | 7.85                       | 3.96               | 16.60      | 19.10  | 12.07              | 1.50            | 14.10                     | 17.80                    | 0.62             |
| 410            | 12.70 | 7.75               | 3.40                       | 3.64               | 9.3        | 10.7   | 9.5                | 1.0             | 5.9                       | 9.81                     | 0.28             |
| 415            | 12.70 | 7.77               | 4.76                       | 3.60               | 11.0       | 12.40  | 9.70               | 1.00            | 6.86                      | 7.6                      | 0.32             |
| 415H           | 12.70 | 7.77               | 4.76                       | 3.96               | 13.1       | 14.50  | 12.00              | 1.50            | 14.40                     | 16.1                     | 0.55             |
| 50             | 15.88 | 10.16              | 9.40                       | 5.08               | 20.70      | 23.30  | 15.09              | 2.06            | 22.20                     | 28.00                    | 1.02             |
| 60             | 19.05 | 11.91              | 12.57                      | 5.94               | 25.90      | 28.60  | 18.08              | 2.44            | 31.80                     | 39.00                    | 1.50             |
| 80             | 25.40 | 15.88              | 15.75                      | 7.92               | 32.70      | 38.00  | 24.13              | 3.26            | 56.70                     | 71.50                    | 2.60             |
| 100            | 31.75 | 19.05              | 18.90                      | 9.53               | 41.10      | 44.90  | 30.18              | 4.00            | 88.50                     | 102.00                   | 3.91             |
| 120            | 38.10 | 22.23              | 25.22                      | 11.10              | 50.80      | 56.10  | 36.20              | 4.80            | 127.00                    | 156.90                   | 5.62             |
| 140            | 44.45 | 25.40              | 25.22                      | 12.70              | 54.90      | 60.80  | 42.24              | 5.65            | 172.40                    | 210.80                   | 7.50             |
| 160            | 50.80 | 28.58              | 31.55                      | 14.27              | 65.50      | 72.60  | 48.26              | 6.45            | 226.80                    | 269.70                   | 10.10            |
| 180            | 57.15 | 35.71              | 35.48                      | 17.46              | 72.80      | 83.00  | 54.31              | 7.25            | 280.20                    | 327.80                   | 13.45            |
| 200            | 63.50 | 39.68              | 37.85                      | 19.85              | 80.30      | 90.50  | 60.33              | 8.00            | 353.80                    | 410.00                   | 16.15            |
| 240            | 76.20 | 47.63              | 47.35                      | 23.81              | 95.50      | 106.00 | 72.39              | 9.50            | 510.30                    | 585.40                   | 23.20            |

\* Bush chain: d<sub>1</sub> indicate the external diameter of the bushing.