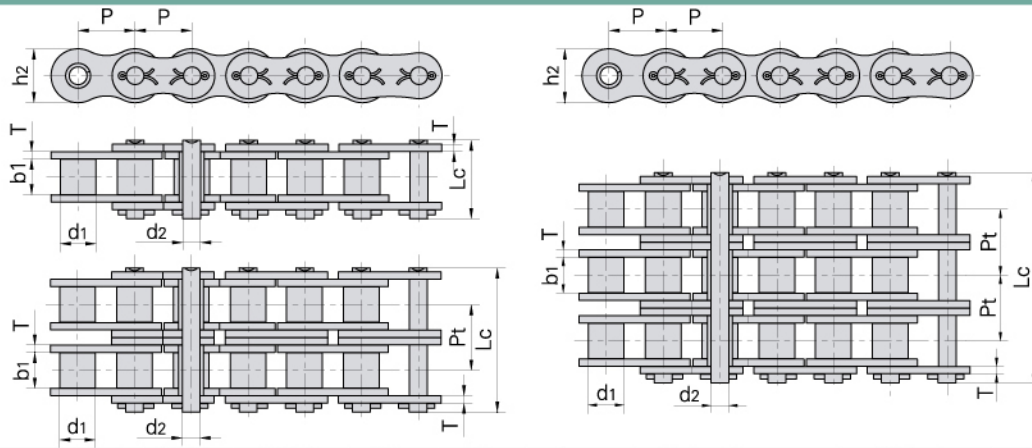


# Cottered type short pitch precision roller chains (A series)

## Hochleistungsrollenketten mit Splinten (A Serie)



| DIN/ISO Chain No.         | ANSI Chain No.         | Pitch<br><i>Teilung</i> | Roller diameter<br><i>Rollen-durchmesser</i> | Width between inner plates<br><i>Innere Breite</i> | Pin diameter<br><i>Bolzen-durchmesser</i> | Pin length<br><i>Bolzen-länge</i> | Inner plate depth<br><i>Innen-laschen-höhe</i> | Plate thickness<br><i>Laschen-dicke</i> | Transverse pitch<br><i>Mitten-abstand</i> | Ultimate tensile strength<br><i>Min. Bruchkraft</i> | Average tensile strength<br><i>Durchschn. Bruchkraft</i> | Weight per meter<br><i>Gewicht</i> |
|---------------------------|------------------------|-------------------------|--|--|---|-----------------------------------|--|---|---|---|--|------------------------------------|
| <i>DIN/ISO Ketten Nr.</i> | <i>ANSI Ketten Nr.</i> | P                       | d1 max                                       | b1 min   | d2 max                                    | Lc max                            | h2 max   | T max                                   | Pt  | Q min<br>kN/LB                                      | Q0<br>kN   | q<br>kg/m                          |
|                           |                        | mm                      | mm   | mm   | mm  | mm                                | mm   | mm                                      | mm  |   |  |                                    |
| 10A-1                     | 50-1                   | 15.875                  | 10.16  | 9.40   | 5.08                                      | 23.3                              | 15.09  | 2.03                                    | -   | 22.2/5045   | 29.4   | 1.02                               |
| 12A-1                     | 60-1                   | 19.050                  | 11.91  | 12.57  | 5.94                                      | 28.3                              | 18.00  | 2.42                                    | -   | 31.8/7227   | 41.5   | 1.50                               |
| 16A-1                     | 80-1                   | 25.400                  | 15.88  | 15.75  | 7.92                                      | 36.5                              | 24.00  | 3.25                                    | -   | 56.7/12886  | 69.4   | 2.60                               |
| 20A-1                     | 100-1                  | 31.750                  | 19.05  | 18.90  | 9.53                                      | 44.7                              | 30.00  | 4.00                                    | -   | 88.5/20114  | 109.2  | 3.91                               |
| 24A-1                     | 120-1                  | 38.100                  | 22.23  | 25.22  | 11.10                                     | 54.3                              | 35.70  | 4.80                                    | -   | 127.0/28864   | 156.3  | 5.62                               |
| 28A-1                     | 140-1                  | 44.450                  | 25.40  | 25.22  | 12.70                                     | 59.0                              | 41.00  | 5.60                                    | -   | 172.4/39182   | 212.0  | 7.50                               |
| 32A-1                     | 160-1                  | 50.800                  | 28.58  | 31.55  | 14.27                                     | 69.6                              | 47.80  | 6.40                                    | -   | 226.8/51545   | 278.9  | 10.10                              |
| 36A-1                     | 180-1                  | 57.150                  | 35.71  | 35.48  | 17.46                                     | 78.6                              | 53.60  | 7.20                                    | -   | 280.2/63682   | 341.8  | 13.45                              |
| 40A-1                     | 200-1                  | 63.500                  | 39.68  | 37.85  | 19.85                                     | 87.2                              | 60.00  | 8.00                                    | -   | 353.8/80409   | 431.6  | 16.15                              |
| 48A-1                     | 240-1                  | 76.200                  | 47.63  | 47.35  | 23.81                                     | 103.0                             | 72.39  | 9.50                                    | -   | 510.3/115977  | 622.5  | 23.20                              |
| 10A-2                     | 50-2                   | 15.875                  | 10.16  | 9.40   | 5.08                                      | 41.2                              | 15.09  | 2.03                                    | 18.11                                     | 44.4/10091  | 58.1   | 2.00                               |
| 12A-2                     | 60-2                   | 19.050                  | 11.91  | 12.57  | 5.94                                      | 51.1                              | 18.00  | 2.42                                    | 22.78                                     | 63.6/14455  | 82.1   | 2.92                               |
| 16A-2                     | 80-2                   | 25.400                  | 15.88  | 15.75  | 7.92                                      | 65.8                              | 24.00  | 3.25                                    | 29.29                                     | 113.4/25773   | 141.8  | 5.15                               |
| 20A-2                     | 100-2                  | 31.750                  | 19.05  | 18.90  | 9.53                                      | 80.5                              | 30.00  | 4.00                                    | 35.76                                     | 177.0/40227   | 219.4  | 7.80                               |
| 24A-2                     | 120-2                  | 38.100                  | 22.23  | 25.22  | 11.10                                     | 99.7                              | 35.70  | 4.80                                    | 45.44                                     | 254.0/57727   | 314.9  | 11.70                              |
| 28A-2                     | 140-2                  | 44.450                  | 25.40  | 25.22  | 12.70                                     | 107.9                             | 41.00  | 5.60                                    | 48.87                                     | 344.8/78364   | 427.5  | 15.14                              |
| 32A-2                     | 160-2                  | 50.800                  | 28.58  | 31.55  | 14.27                                     | 128.1                             | 47.80  | 6.40                                    | 58.55                                     | 453.6/103091  | 562.4  | 20.14                              |
| 36A-2                     | 180-2                  | 57.150                  | 35.71  | 35.48  | 17.46                                     | 144.4                             | 53.60  | 7.20                                    | 65.84                                     | 560.5/127386  | 695.0  | 29.22                              |
| 40A-2                     | 200-2                  | 63.500                  | 39.68  | 37.85  | 19.85                                     | 158.8                             | 60.00  | 8.00                                    | 71.55                                     | 707.6/160818  | 877.4  | 32.24                              |
| 48A-2                     | 240-2                  | 76.200                  | 47.63  | 47.35  | 23.81                                     | 190.8                             | 72.39  | 9.50                                    | 87.83                                     | 1020.6/231955                                       | 1255.3   | 45.23                              |
| 10A-3                     | 50-3                   | 15.875                  | 10.16  | 9.40   | 5.08                                      | 59.3                              | 15.09  | 2.03                                    | 18.11                                     | 66.6/15136  | 77.8   | 3.09                               |
| 12A-3                     | 60-3                   | 19.050                  | 11.91  | 12.57  | 5.94                                      | 73.9                              | 18.00  | 2.42                                    | 22.78                                     | 95.4/21682  | 111.1  | 4.54                               |
| 16A-3                     | 80-3                   | 25.400                  | 15.88  | 15.75  | 7.92                                      | 95.1                              | 24.00  | 3.25                                    | 29.29                                     | 170.1/38659   | 198.4  | 7.89                               |
| 20A-3                     | 100-3                  | 31.750                  | 19.05  | 18.90  | 9.53                                      | 116.3                             | 30.00  | 4.00                                    | 35.76                                     | 265.5/60341   | 309.6  | 11.77                              |
| 24A-3                     | 120-3                  | 38.100                  | 22.23  | 25.22  | 11.10                                     | 145.2                             | 35.70  | 4.80                                    | 45.44                                     | 381.0/86591   | 437.2  | 17.53                              |
| 28A-3                     | 140-3                  | 44.450                  | 25.40  | 25.22  | 12.70                                     | 156.8                             | 41.00  | 5.60                                    | 48.87                                     | 517.2/117545  | 593.3  | 22.20                              |
| 32A-3                     | 160-3                  | 50.800                  | 28.58  | 31.55  | 14.27                                     | 186.6                             | 47.80  | 6.40                                    | 58.55                                     | 680.4/154636  | 780.6  | 30.02                              |
| 36A-3                     | 180-3                  | 57.150                  | 35.71  | 35.48  | 17.46                                     | 210.2                             | 53.60  | 7.20                                    | 65.84                                     | 840.7/191068  | 983.6  | 38.22                              |
| 40A-3                     | 200-3                  | 63.500                  | 39.68  | 37.85  | 19.85                                     | 230.4                             | 60.00  | 8.00                                    | 71.55                                     | 1061.4/241227                                       | 1217.8   | 49.03                              |
| 48A-3                     | 240-3                  | 76.200                  | 47.63  | 47.35  | 23.81                                     | 278.6                             | 72.39  | 9.50                                    | 87.83                                     | 1530.9/347932                                       | 1756.5   | 71.60                              |