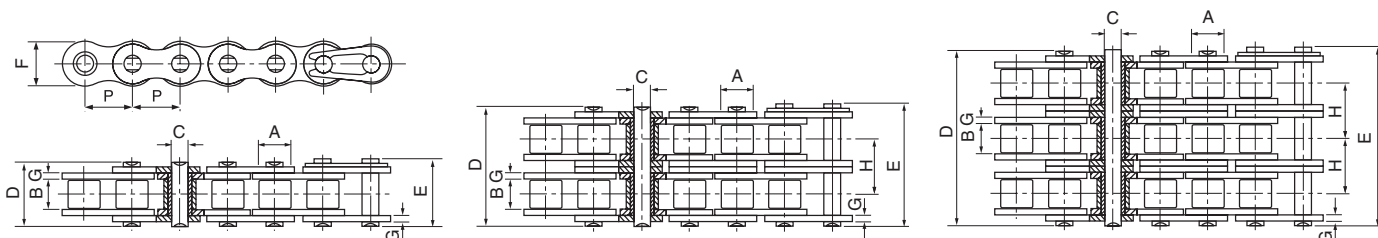


# Roller Chain

## ANSI Standard Roller Chain

## ANSI B29.1, ISO R606, DIN 8188

### ANSI Roller Chain



| ANSI Chain number | Pitch<br>P | Roller diameter<br>A | Width between inner plates<br>B | Pin diameter<br>C | Pin length |        | Inner plate height<br>F | Plate thickness<br>g/G | Transverse pitch<br>H | Minimum tensile strength<br>kN | Average tensile strength<br>kN | Weight<br>kg/m |
|-------------------|------------|----------------------|---------------------------------|-------------------|------------|--------|-------------------------|------------------------|-----------------------|--------------------------------|--------------------------------|----------------|
|                   | P          | A                    | B                               | C                 | D          | E      | F                       |                        | H                     |                                |                                |                |
| <b>SIMPLEX</b>    |            |                      |                                 |                   |            |        |                         |                        |                       |                                |                                |                |
| *15-1R            | 4.763      | 2.48                 | 2.38                            | 1.62              | 6.10       | 6.90   | 4.30                    | 0.60                   | -                     | 1.8                            | 2.0                            | 0.08           |
| *25-1R            | 6.350      | 3.30                 | 3.18                            | 2.31              | 7.90       | 8.40   | 6.00                    | 0.80                   | -                     | 3.5                            | 4.6                            | 0.15           |
| *35-1R            | 9.525      | 5.08                 | 4.77                            | 3.58              | 12.40      | 13.17  | 9.00                    | 1.30                   | -                     | 7.9                            | 10.8                           | 0.33           |
| 41-1R             | 12.700     | 7.77                 | 6.25                            | 3.58              | 13.75      | 15.00  | 9.91                    | 1.30                   | -                     | 6.7                            | 12.6                           | 0.41           |
| 40-1R             | 12.700     | 7.95                 | 7.85                            | 3.96              | 16.60      | 17.80  | 12.00                   | 1.50                   | -                     | 14.1                           | 17.5                           | 0.62           |
| 50-1R             | 15.875     | 10.16                | 9.40                            | 5.08              | 20.70      | 22.20  | 15.09                   | 2.03                   | -                     | 22.2                           | 29.4                           | 1.02           |
| 60-1R             | 19.050     | 11.91                | 12.57                           | 5.94              | 25.90      | 27.70  | 18.00                   | 2.42                   | -                     | 31.8                           | 41.5                           | 1.50           |
| 80-1R             | 25.400     | 15.88                | 15.75                           | 7.92              | 32.70      | 35.00  | 24.00                   | 3.25                   | -                     | 56.7                           | 69.4                           | 2.60           |
| 100-1XR           | 31.750     | 19.05                | 18.90                           | 9.53              | 40.40      | 44.70  | 30.00                   | 4.00                   | -                     | 88.5                           | 109.2                          | 3.91           |
| 120-1XR           | 38.100     | 22.23                | 25.22                           | 11.10             | 50.30      | 54.30  | 35.70                   | 4.80                   | -                     | 127.0                          | 156.3                          | 5.62           |
| 140-1XR           | 44.450     | 25.40                | 25.22                           | 12.70             | 54.40      | 59.00  | 41.00                   | 5.60                   | -                     | 172.4                          | 212.0                          | 7.50           |
| 160-1XR           | 50.800     | 28.58                | 31.55                           | 14.27             | 64.80      | 69.60  | 47.80                   | 6.40                   | -                     | 226.8                          | 278.9                          | 10.10          |
| 180-1XR           | 57.150     | 35.71                | 35.48                           | 17.46             | 72.80      | 78.60  | 53.60                   | 7.20                   | -                     | 280.2                          | 341.8                          | 13.45          |
| 200-1XR           | 63.500     | 39.68                | 37.85                           | 19.85             | 80.30      | 87.20  | 60.00                   | 8.00                   | -                     | 353.8                          | 431.6                          | 16.15          |
| 240-1XR           | 76.200     | 47.63                | 47.35                           | 23.81             | 95.50      | 103.00 | 72.39                   | 9.50                   | -                     | 510.3                          | 622.5                          | 23.20          |
| <b>DUPLEX</b>     |            |                      |                                 |                   |            |        |                         |                        |                       |                                |                                |                |
| *25-2R            | 6.350      | 3.30                 | 3.18                            | 2.31              | 14.50      | 15.00  | 6.00                    | 0.80                   | 6.40                  | 7.0                            | 8.6                            | 0.28           |
| *35-2R            | 9.525      | 5.08                 | 4.77                            | 3.58              | 22.50      | 23.30  | 9.00                    | 1.30                   | 10.13                 | 15.8                           | 19.7                           | 0.63           |
| 41-2R             | 12.700     | 7.77                 | 6.25                            | 3.58              | 25.70      | 26.90  | 9.91                    | 1.30                   | 11.95                 | 13.3                           | 16.9                           | 0.81           |
| 40-2R             | 12.700     | 7.95                 | 7.85                            | 3.96              | 31.00      | 32.20  | 12.00                   | 1.50                   | 14.38                 | 28.2                           | 35.9                           | 1.12           |
| 50-2R             | 15.875     | 10.16                | 9.40                            | 5.08              | 38.90      | 40.40  | 15.09                   | 2.03                   | 18.11                 | 44.4                           | 58.1                           | 2.00           |
| 60-2R             | 19.050     | 11.91                | 12.57                           | 5.94              | 48.80      | 50.50  | 18.00                   | 2.42                   | 22.78                 | 63.6                           | 82.1                           | 2.92           |
| 80-2R             | 25.400     | 15.88                | 15.75                           | 7.92              | 62.70      | 64.30  | 24.00                   | 3.25                   | 29.29                 | 113.4                          | 141.8                          | 5.15           |
| 100-2XR           | 31.750     | 19.05                | 18.90                           | 9.53              | 76.40      | 80.50  | 30.00                   | 4.00                   | 35.76                 | 177.0                          | 219.4                          | 7.80           |
| 120-2XR           | 38.100     | 22.23                | 25.22                           | 11.10             | 95.80      | 99.70  | 35.70                   | 4.80                   | 45.44                 | 254.0                          | 314.9                          | 11.70          |
| 140-2XR           | 44.450     | 25.40                | 25.22                           | 12.70             | 103.30     | 107.90 | 41.00                   | 5.60                   | 48.87                 | 344.8                          | 427.5                          | 15.14          |
| 160-2XR           | 50.800     | 28.58                | 31.55                           | 14.27             | 123.30     | 128.10 | 47.80                   | 6.40                   | 58.55                 | 453.6                          | 562.4                          | 20.14          |
| 180-2XR           | 57.150     | 35.71                | 35.48                           | 17.46             | 138.60     | 144.40 | 53.60                   | 7.20                   | 65.84                 | 560.5                          | 695.0                          | 29.22          |
| 200-2XR           | 63.500     | 39.68                | 37.85                           | 19.85             | 151.90     | 158.80 | 60.00                   | 8.00                   | 71.55                 | 707.6                          | 877.4                          | 32.24          |
| 240-2XR           | 76.200     | 47.63                | 47.35                           | 23.81             | 183.40     | 190.80 | 72.39                   | 9.50                   | 87.83                 | 1020.6                         | 1255.3                         | 45.23          |
| <b>TRIPLEX</b>    |            |                      |                                 |                   |            |        |                         |                        |                       |                                |                                |                |
| *25-3R            | 6.350      | 3.30                 | 3.18                            | 2.31              | 21.00      | 21.50  | 6.00                    | 0.80                   | 6.40                  | 10.5                           | 12.6                           | 0.44           |
| *35-3R            | 9.525      | 5.08                 | 4.77                            | 3.58              | 32.70      | 33.50  | 9.00                    | 1.30                   | 10.13                 | 23.7                           | 28.6                           | 1.05           |
| 40-3R             | 12.700     | 7.95                 | 7.85                            | 3.96              | 45.40      | 46.60  | 12.00                   | 1.50                   | 14.38                 | 42.3                           | 50.0                           | 1.90           |
| 50-3R             | 15.875     | 10.16                | 9.40                            | 5.08              | 57.00      | 58.50  | 15.09                   | 2.03                   | 18.11                 | 66.6                           | 77.8                           | 3.09           |
| 60-3R             | 19.050     | 11.91                | 12.57                           | 5.94              | 71.50      | 73.30  | 18.00                   | 2.42                   | 22.78                 | 95.4                           | 111.1                          | 4.54           |
| 80-3R             | 25.400     | 15.88                | 15.75                           | 7.92              | 91.70      | 93.60  | 24.00                   | 3.25                   | 29.29                 | 170.1                          | 198.4                          | 7.89           |
| 100-3XR           | 31.750     | 19.05                | 18.90                           | 9.53              | 112.20     | 116.30 | 30.00                   | 4.00                   | 35.76                 | 265.5                          | 309.6                          | 11.77          |
| 120-3XR           | 38.100     | 22.23                | 25.22                           | 11.10             | 141.40     | 145.20 | 35.70                   | 4.80                   | 45.44                 | 381.0                          | 437.2                          | 17.53          |
| 140-3XR           | 44.450     | 25.40                | 25.22                           | 12.70             | 152.20     | 156.80 | 41.00                   | 5.60                   | 48.87                 | 517.2                          | 593.3                          | 22.20          |
| 160-3XR           | 50.800     | 28.58                | 31.55                           | 14.27             | 181.80     | 186.60 | 47.80                   | 6.40                   | 58.55                 | 680.4                          | 780.6                          | 30.02          |
| 180-3XR           | 57.150     | 35.71                | 35.48                           | 17.46             | 204.40     | 210.20 | 53.60                   | 7.20                   | 65.84                 | 840.7                          | 983.6                          | 38.22          |
| 200-3XR           | 63.500     | 39.68                | 37.85                           | 19.85             | 223.50     | 230.40 | 60.00                   | 8.00                   | 71.55                 | 1061.4                         | 1217.8                         | 49.03          |
| 240-3XR           | 76.200     | 47.63                | 47.35                           | 23.81             | 271.30     | 278.60 | 72.39                   | 9.50                   | 87.83                 | 1530.9                         | 1756.5                         | 71.60          |

\* Bush chain: A in the table indicates the external diameter of the bush

Standard boxed lengths are 5 metres or 10 feet.  
Each box contains one CL. Special lengths available.

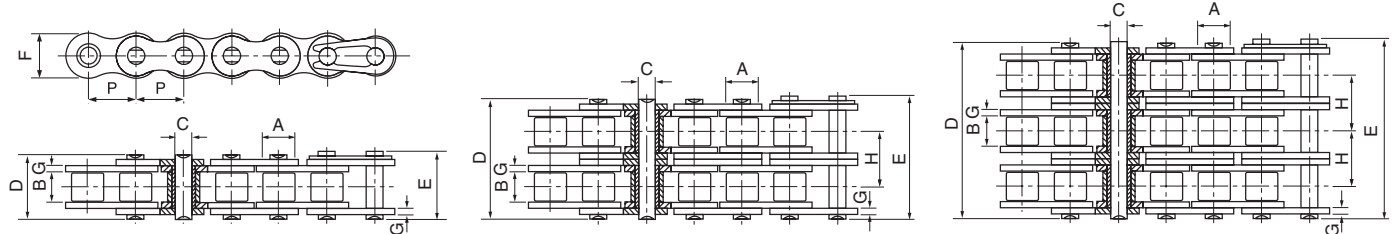
Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

# Roller Chain

## ANSI Heavy Duty Roller Chain

## ANSI B29.1, ISO R606, DIN 8188

ANSI Heavy Duty Roller Chain



| ANSI Chain number | Pitch  | Roller diameter | Width between inner plates | Pin diameter | Pin length |        | Inner plate height | Plate thickness | Transverse pitch | Minimum tensile strength | Average tensile strength | Weight |
|-------------------|--------|-----------------|----------------------------|--------------|------------|--------|--------------------|-----------------|------------------|--------------------------|--------------------------|--------|
|                   | P      | A               | B                          | C            | D          | E      | F                  | G               | H                | kN                       | kN                       | kg/m   |
| SIMPLEX           |        |                 |                            |              |            |        |                    |                 |                  |                          |                          |        |
| 40H-1R            | 12.700 | 7.95            | 7.85                       | 3.96         | 18.80      | 19.90  | 12.00              | 2.03            | -                | 14.10                    | 19.10                    | 0.82   |
| 50H-1R            | 15.875 | 10.16           | 9.40                       | 5.08         | 22.10      | 23.40  | 15.09              | 2.42            | -                | 22.20                    | 30.20                    | 1.25   |
| 60H-1R            | 19.050 | 11.91           | 12.57                      | 5.94         | 29.20      | 31.00  | 18.00              | 3.25            | -                | 31.80                    | 42.70                    | 1.87   |
| 80H-1R            | 25.400 | 15.88           | 15.75                      | 7.92         | 36.20      | 37.70  | 24.00              | 4.00            | -                | 56.70                    | 71.40                    | 3.10   |
| 100H-1XR          | 31.750 | 19.05           | 18.90                      | 9.53         | 43.60      | 46.90  | 30.00              | 4.80            | -                | 88.50                    | 112.40                   | 4.52   |
| 120H-1XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 53.50      | 57.50  | 35.70              | 5.60            | -                | 127.00                   | 160.90                   | 6.60   |
| 140H-1XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 57.60      | 62.20  | 41.00              | 6.40            | -                | 172.40                   | 217.30                   | 8.30   |
| 160H-1XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 68.20      | 73.00  | 47.80              | 7.20            | -                | 226.80                   | 285.80                   | 10.30  |
| 200H-1XR          | 63.500 | 39.68           | 37.85                      | 19.85        | 86.60      | 93.50  | 60.00              | 9.50            | -                | 353.80                   | 444.50                   | 19.16  |
| DUPLEX            |        |                 |                            |              |            |        |                    |                 |                  |                          |                          |        |
| 60H-2R            | 19.050 | 11.91           | 12.57                      | 5.94         | 55.30      | 57.10  | 18.00              | 3.25            | 26.11            | 63.60                    | 84.50                    | 3.71   |
| 80H-2R            | 25.400 | 15.88           | 15.75                      | 7.92         | 68.80      | 70.30  | 24.00              | 4.00            | 32.59            | 113.40                   | 145.30                   | 6.15   |
| 100H-2R           | 31.750 | 19.05           | 18.90                      | 9.53         | 82.70      | 86.00  | 30.00              | 4.80            | 39.09            | 177.00                   | 225.90                   | 9.03   |
| 120H-2XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 102.40     | 106.40 | 35.70              | 5.60            | 48.87            | 254.00                   | 322.70                   | 13.13  |
| 140H-2XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 109.80     | 114.40 | 41.00              | 6.40            | 52.20            | 344.80                   | 437.70                   | 16.60  |
| 160H-2XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 130.10     | 134.90 | 47.80              | 7.20            | 61.90            | 453.60                   | 571.60                   | 20.20  |
| 200H-2XR          | 63.500 | 39.68           | 37.85                      | 19.85        | 164.90     | 171.80 | 60.00              | 9.50            | 78.31            | 707.60                   | 894.90                   | 38.11  |
| TRIPLEX           |        |                 |                            |              |            |        |                    |                 |                  |                          |                          |        |
| 60H-3R            | 19.050 | 11.91           | 12.57                      | 5.94         | 81.40      | 83.20  | 18.00              | 3.25            | 26.11            | 95.40                    | 113.90                   | 5.54   |
| 80H-3R            | 25.400 | 15.88           | 15.75                      | 7.92         | 101.40     | 102.90 | 24.00              | 4.00            | 32.59            | 170.10                   | 203.50                   | 9.42   |
| 100H-3XR          | 31.750 | 19.05           | 18.90                      | 9.53         | 121.80     | 125.10 | 30.00              | 4.80            | 39.09            | 265.50                   | 314.80                   | 12.96  |
| 120H-3XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 151.20     | 155.20 | 35.70              | 5.60            | 48.87            | 381.00                   | 444.70                   | 19.64  |
| 140H-3XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 162.00     | 166.60 | 41.00              | 6.40            | 52.20            | 517.20                   | 598.40                   | 24.90  |
| 160H-3XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 192.00     | 196.80 | 47.80              | 7.20            | 61.90            | 680.40                   | 787.30                   | 30.10  |
| 200H-3XR          | 63.500 | 39.68           | 37.85                      | 19.85        | 243.20     | 250.10 | 60.00              | 9.50            | 78.31            | 1061.40                  | 1228.20                  | 57.06  |

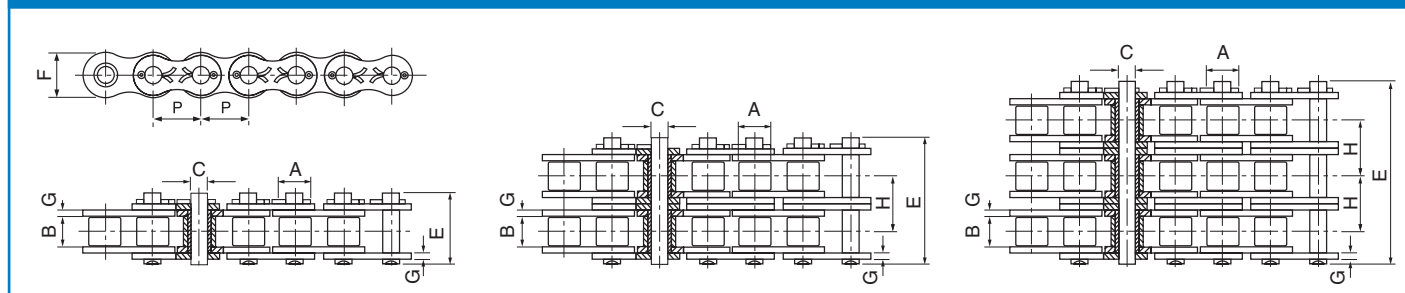
Standard boxed lengths are 5 metres or 10 feet.  
Each box contains one CL. Special lengths available.

# Roller Chain

## ANSI Cottered Series Roller Chain

## ANSI B29.1, ISO R606, DIN 8188

ANSI Cottered Series Roller Chain



| ANSI Chain number | Pitch<br>P | Roller diameter<br>A | Width between inner plates<br>B | Pin diameter<br>C | Pin length<br>E | Inner plate height<br>F | Plate thickness<br>G | Transverse pitch<br>H | Minimum tensile strength<br>kN | Average tensile strength<br>kN | Weight<br>kg/m |
|-------------------|------------|----------------------|---------------------------------|-------------------|-----------------|-------------------------|----------------------|-----------------------|--------------------------------|--------------------------------|----------------|
| <b>SIMPLEX</b>    |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 50-1C             | 15.875     | 10.16                | 9.40                            | 5.08              | 23.00           | 15.09                   | 2.03                 | -                     | 22.20                          | 29.40                          | 1.02           |
| 60-1C             | 19.050     | 11.91                | 12.57                           | 5.94              | 28.30           | 18.00                   | 2.42                 | -                     | 31.80                          | 41.50                          | 1.50           |
| 80-1C             | 25.400     | 15.88                | 15.75                           | 7.92              | 36.50           | 24.00                   | 3.25                 | -                     | 56.70                          | 69.40                          | 2.60           |
| 100-1C            | 31.750     | 19.05                | 18.90                           | 9.53              | 44.70           | 30.00                   | 4.00                 | -                     | 88.50                          | 109.20                         | 3.91           |
| 120-1C            | 38.100     | 22.23                | 25.22                           | 11.10             | 54.30           | 35.70                   | 4.80                 | -                     | 127.00                         | 156.30                         | 5.62           |
| 140-1C            | 44.450     | 25.40                | 25.22                           | 12.70             | 59.00           | 41.00                   | 5.60                 | -                     | 172.40                         | 212.00                         | 7.50           |
| 160-1C            | 50.800     | 28.58                | 31.55                           | 14.27             | 69.60           | 47.80                   | 6.40                 | -                     | 226.80                         | 278.90                         | 10.10          |
| 180-1C            | 57.150     | 35.71                | 35.48                           | 17.46             | 78.60           | 53.60                   | 7.20                 | -                     | 280.20                         | 341.80                         | 13.45          |
| 200-1C            | 63.500     | 39.68                | 37.85                           | 19.85             | 87.20           | 60.00                   | 8.00                 | -                     | 353.80                         | 431.60                         | 16.15          |
| 240-1C            | 76.200     | 47.63                | 47.35                           | 23.81             | 103.00          | 72.39                   | 9.50                 | -                     | 510.30                         | 622.50                         | 23.20          |
| <b>DUPLEX</b>     |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 50-2C             | 15.875     | 10.16                | 9.40                            | 5.08              | 41.20           | 15.09                   | 2.03                 | 18.11                 | 44.40                          | 58.10                          | 2.00           |
| 60-2C             | 19.050     | 11.91                | 12.57                           | 5.94              | 51.10           | 18.00                   | 2.42                 | 22.78                 | 63.60                          | 82.10                          | 2.92           |
| 80-2C             | 25.400     | 15.88                | 15.75                           | 7.92              | 65.80           | 24.00                   | 3.25                 | 29.29                 | 113.40                         | 141.80                         | 5.15           |
| 100-2C            | 31.750     | 19.05                | 18.90                           | 9.53              | 80.50           | 30.00                   | 4.00                 | 35.76                 | 177.00                         | 219.40                         | 7.80           |
| 120-2C            | 38.100     | 22.23                | 25.22                           | 11.10             | 99.70           | 35.70                   | 4.80                 | 45.44                 | 254.00                         | 314.90                         | 11.70          |
| 140-2C            | 44.450     | 25.40                | 25.22                           | 12.70             | 107.90          | 41.00                   | 5.60                 | 48.87                 | 344.80                         | 427.50                         | 15.14          |
| 160-2C            | 50.800     | 28.58                | 31.55                           | 14.27             | 128.10          | 47.80                   | 6.40                 | 58.55                 | 453.60                         | 562.40                         | 20.14          |
| 180-2C            | 57.150     | 35.71                | 35.48                           | 17.46             | 144.40          | 53.60                   | 7.20                 | 65.84                 | 560.50                         | 695.00                         | 29.22          |
| 200-2C            | 63.500     | 39.68                | 37.85                           | 19.85             | 158.80          | 60.00                   | 8.00                 | 71.55                 | 707.60                         | 877.40                         | 32.24          |
| 240-2C            | 76.200     | 47.63                | 47.35                           | 23.81             | 190.80          | 72.39                   | 9.50                 | 87.83                 | 1020.60                        | 1255.30                        | 45.23          |
| <b>TRIPLEX</b>    |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 50-3C             | 15.875     | 10.16                | 9.40                            | 5.08              | 59.30           | 15.09                   | 2.03                 | 18.11                 | 66.60                          | 77.80                          | 3.09           |
| 60-3C             | 19.050     | 11.91                | 12.57                           | 5.94              | 73.90           | 18.00                   | 2.42                 | 22.78                 | 95.40                          | 111.10                         | 4.54           |
| 80-3C             | 25.400     | 15.88                | 15.75                           | 7.92              | 93.60           | 24.00                   | 3.25                 | 29.29                 | 170.10                         | 198.40                         | 7.89           |
| 100-3C            | 31.750     | 19.05                | 18.90                           | 9.53              | 116.30          | 30.00                   | 4.00                 | 35.76                 | 265.50                         | 309.60                         | 11.77          |
| 120-3C            | 38.100     | 22.23                | 25.22                           | 11.10             | 145.20          | 35.70                   | 4.80                 | 45.44                 | 381.00                         | 437.20                         | 17.53          |
| 140-3C            | 44.450     | 25.40                | 25.22                           | 12.70             | 156.80          | 41.00                   | 5.60                 | 48.87                 | 517.20                         | 593.30                         | 22.20          |
| 160-3C            | 50.800     | 28.58                | 31.55                           | 14.27             | 186.60          | 47.80                   | 6.40                 | 58.55                 | 680.40                         | 780.60                         | 30.02          |
| 180-3C            | 57.150     | 35.71                | 35.48                           | 17.46             | 210.20          | 53.60                   | 7.20                 | 65.84                 | 840.70                         | 983.60                         | 38.22          |
| 200-3C            | 63.500     | 39.68                | 37.85                           | 19.85             | 230.40          | 60.00                   | 8.00                 | 71.55                 | 1061.40                        | 1217.80                        | 49.03          |
| 240-3C            | 76.200     | 47.63                | 47.35                           | 23.81             | 278.60          | 72.39                   | 9.50                 | 87.83                 | 1530.90                        | 1756.50                        | 71.60          |

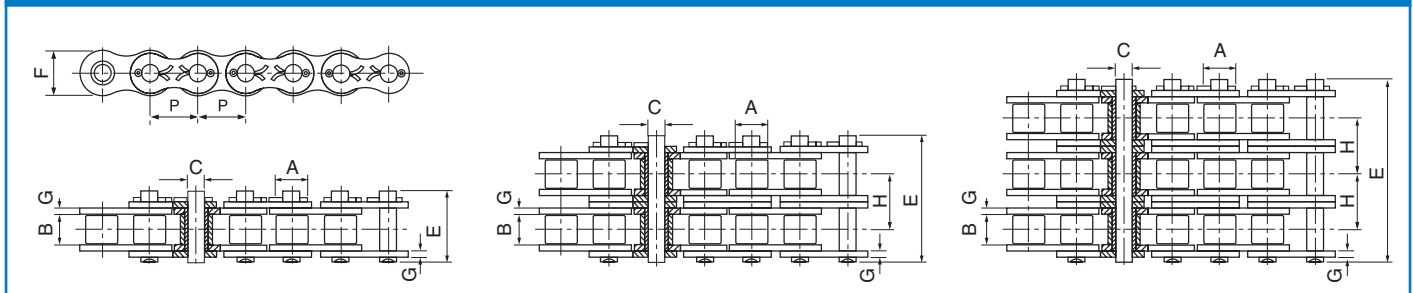
Standard boxed lengths are 5 metres or 10 feet.  
Each box contains one CL. Special lengths available.

# Roller Chain

## ANSI Cottered Heavy Duty Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Cottered Heavy Duty Roller Chain

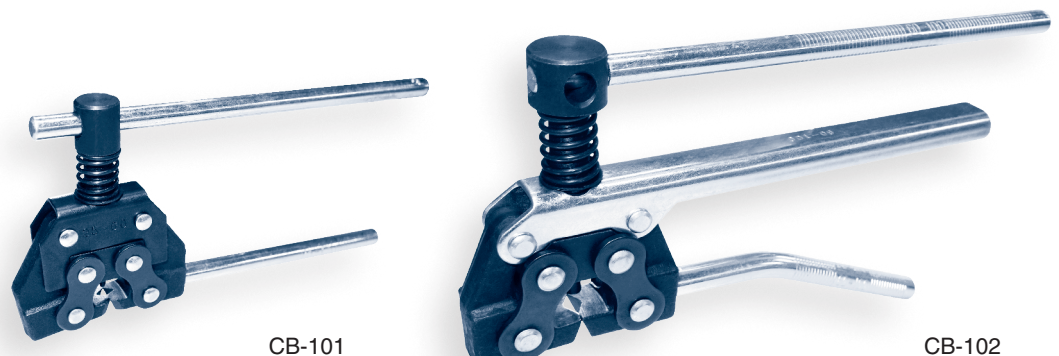


| ANSI Chain number | Pitch<br>P | Roller diameter<br>A | Width between inner plates<br>B | Pin diameter<br>C | Pin length<br>E | Inner plate height<br>F | Plate thickness<br>G | Transverse pitch<br>H | Minimum tensile strength<br>kN | Average tensile strength<br>kN | Weight<br>kg/m |
|-------------------|------------|----------------------|---------------------------------|-------------------|-----------------|-------------------------|----------------------|-----------------------|--------------------------------|--------------------------------|----------------|
| <b>SIMPLEX</b>    |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 50H-1C            | 15.875     | 10.16                | 9.40                            | 5.08              | 24.40           | 15.09                   | 2.42                 | -                     | 22.20                          | 30.20                          | 1.25           |
| 60H-1C            | 19.050     | 11.91                | 12.57                           | 5.94              | 31.60           | 18.00                   | 3.25                 | -                     | 31.80                          | 42.70                          | 1.87           |
| 80H-1C            | 25.400     | 15.88                | 15.75                           | 7.92              | 39.40           | 24.00                   | 4.00                 | -                     | 56.70                          | 71.40                          | 3.10           |
| 100H-1C           | 31.750     | 19.05                | 18.90                           | 9.53              | 46.90           | 30.00                   | 4.80                 | -                     | 88.50                          | 112.40                         | 4.52           |
| 120H-1C           | 38.100     | 22.23                | 25.22                           | 11.10             | 57.50           | 35.70                   | 5.60                 | -                     | 127.00                         | 160.90                         | 6.60           |
| 140H-1C           | 44.450     | 25.40                | 25.22                           | 12.70             | 62.20           | 41.00                   | 6.40                 | -                     | 172.40                         | 217.30                         | 8.30           |
| 160H-1C           | 50.800     | 28.58                | 31.55                           | 14.27             | 73.00           | 47.80                   | 7.20                 | -                     | 226.80                         | 285.80                         | 10.30          |
| 200H-1C           | 63.500     | 39.68                | 37.85                           | 19.85             | 93.50           | 60.00                   | 9.50                 | -                     | 353.80                         | 444.50                         | 19.16          |
| <b>DUPLEX</b>     |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 60H-2C            | 19.050     | 11.91                | 12.57                           | 5.94              | 57.70           | 18.00                   | 3.25                 | 26.11                 | 63.60                          | 84.50                          | 3.71           |
| 80H-2C            | 25.400     | 15.88                | 15.75                           | 7.92              | 72.00           | 24.00                   | 4.00                 | 32.59                 | 113.40                         | 145.30                         | 6.15           |
| 100H-2C           | 31.750     | 19.05                | 18.90                           | 9.53              | 86.00           | 30.00                   | 4.80                 | 39.09                 | 177.00                         | 225.90                         | 9.03           |
| 120H-2C           | 38.100     | 22.23                | 25.22                           | 11.10             | 106.40          | 35.70                   | 5.60                 | 48.87                 | 254.00                         | 322.70                         | 13.13          |
| 140H-2C           | 44.450     | 25.40                | 25.22                           | 12.70             | 114.40          | 41.00                   | 6.40                 | 52.20                 | 344.80                         | 437.70                         | 16.60          |
| 160H-2C           | 50.800     | 28.58                | 31.55                           | 14.27             | 134.90          | 47.80                   | 7.20                 | 61.90                 | 453.60                         | 571.60                         | 20.20          |
| 200H-2C           | 63.500     | 39.68                | 37.85                           | 19.85             | 171.80          | 60.00                   | 9.50                 | 78.31                 | 707.60                         | 894.90                         | 31.11          |
| <b>TRIPLEX</b>    |            |                      |                                 |                   |                 |                         |                      |                       |                                |                                |                |
| 60H-3C            | 19.050     | 11.91                | 12.57                           | 5.94              | 83.80           | 18.00                   | 3.25                 | 26.11                 | 95.40                          | 113.90                         | 5.54           |
| 80H-3C            | 25.400     | 15.88                | 15.75                           | 7.92              | 104.60          | 24.00                   | 4.00                 | 32.59                 | 170.10                         | 203.50                         | 9.42           |
| 100H-3C           | 31.750     | 19.05                | 18.90                           | 9.53              | 125.10          | 30.00                   | 4.80                 | 39.09                 | 265.50                         | 314.80                         | 12.96          |
| 120H-3C           | 38.100     | 22.23                | 25.22                           | 11.10             | 155.20          | 35.70                   | 5.60                 | 48.87                 | 381.00                         | 444.70                         | 19.64          |
| 140H-3C           | 44.450     | 25.40                | 25.22                           | 12.70             | 166.60          | 41.00                   | 6.40                 | 52.20                 | 517.20                         | 598.40                         | 24.90          |
| 160H-3C           | 50.800     | 28.58                | 31.55                           | 14.27             | 196.80          | 47.80                   | 7.20                 | 61.90                 | 680.40                         | 787.30                         | 30.10          |
| 200H-3C           | 63.500     | 39.68                | 37.85                           | 19.85             | 250.10          | 60.00                   | 9.50                 | 78.31                 | 1061.40                        | 1228.20                        | 57.06          |

Standard boxed lengths are 5 metres or 10 feet.  
Each box contains one CL. Special lengths available.

## Chain Breakers

| Model          | Range     |         |
|----------------|-----------|---------|
|                | From inch | To inch |
| CB-101 (Small) | 3/8"      | 3/4"    |
| CB-102 (Large) | 3/4"      | 1.1/4"  |

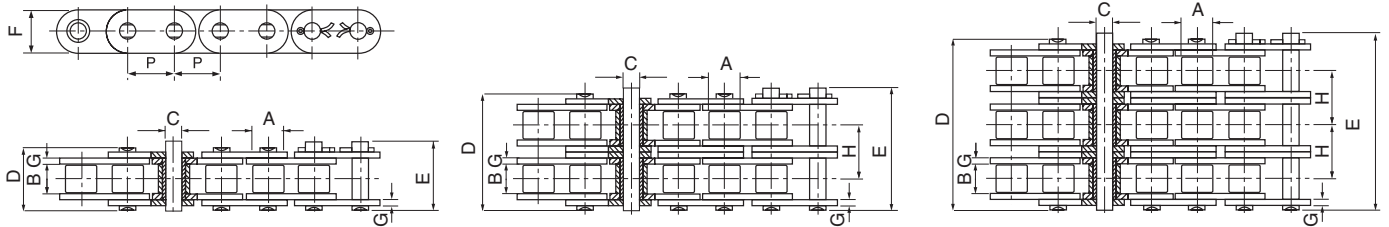


## Roller Chain

### ANSI Straight Side Plate Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Straight Side Plate Roller Chain



| ANSI Chain number | Pitch  | Roller diameter | Width between inner plates | Pin diameter | Pin length |        | Inner plate height | Plate thick-ness | Trans-verse pitch | Minimum tensile strength kN | Average tensile strength kN | Weight kg/m |
|-------------------|--------|-----------------|----------------------------|--------------|------------|--------|--------------------|------------------|-------------------|-----------------------------|-----------------------------|-------------|
|                   | P      | A               | B                          | C            | D          | E      |                    |                  |                   |                             |                             |             |
| SIMPLEX           |        |                 |                            |              |            |        |                    |                  |                   |                             |                             |             |
| C40-1R            | 12.700 | 7.95            | 7.85                       | 3.96         | 16.60      | 18.80  | 12.00              | 1.50             | -                 | 14.10                       | 17.50                       | 0.73        |
| C50-1R            | 15.875 | 10.16           | 9.40                       | 5.08         | 20.70      | 23.30  | 15.09              | 2.03             | -                 | 22.20                       | 29.40                       | 1.23        |
| C60-1R            | 19.050 | 11.91           | 12.57                      | 5.94         | 25.90      | 28.30  | 18.0/18.2          | 2.42             | -                 | 31.80                       | 41.50                       | 1.81/1.83   |
| C80-1R            | 25.400 | 15.88           | 15.75                      | 7.92         | 32.70      | 36.50  | 24.00              | 3.25             | -                 | 56.70                       | 69.40                       | 3.09        |
| C100-1XR          | 31.750 | 19.05           | 18.90                      | 9.53         | 40.40      | 44.70  | 30.00              | 4.00             | -                 | 88.50                       | 109.20                      | 4.56        |
| C120-1XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 50.30      | 54.30  | 35.70              | 4.80             | -                 | 127.00                      | 156.30                      | 6.86        |
| C140-1XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 54.40      | 59.00  | 41.00              | 5.60             | -                 | 172.40                      | 212.00                      | 8.49        |
| C160-1XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 64.80      | 69.60  | 47.80              | 6.40             | -                 | 226.80                      | 278.90                      | 11.50       |
| DUPLEX            |        |                 |                            |              |            |        |                    |                  |                   |                             |                             |             |
| C40-2R            | 12.700 | 7.95            | 7.85                       | 3.96         | 31.00      | 33.20  | 12.00              | 1.50             | 14.38             | 28.20                       | 35.90                       | 1.43        |
| C50-2R            | 15.875 | 10.16           | 9.40                       | 5.08         | 38.90      | 41.40  | 15.09              | 2.03             | 18.11             | 44.40                       | 58.10                       | 2.42        |
| C60-2R            | 19.050 | 11.91           | 12.57                      | 5.94         | 48.80      | 51.10  | 18.0/18.2          | 2.42             | 22.78             | 63.60                       | 82.10                       | 3.58/3.62   |
| C80-2R            | 25.400 | 15.88           | 15.75                      | 7.92         | 62.70      | 65.80  | 24.00              | 3.25             | 29.29             | 113.40                      | 141.80                      | 6.12        |
| C100-2XR          | 31.750 | 19.05           | 18.90                      | 9.53         | 76.40      | 80.50  | 30.00              | 4.00             | 35.76             | 177.00                      | 219.40                      | 9.08        |
| C120-2XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 95.80      | 99.70  | 35.70              | 4.80             | 45.44             | 254.00                      | 314.90                      | 13.60       |
| C140-2XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 103.30     | 107.90 | 41.00              | 5.60             | 48.87             | 344.80                      | 427.50                      | 16.86       |
| C160-2XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 123.30     | 128.10 | 47.80              | 6.40             | 58.55             | 453.60                      | 562.40                      | 22.90       |
| TRIPLEX           |        |                 |                            |              |            |        |                    |                  |                   |                             |                             |             |
| C40-3R            | 12.700 | 7.95            | 7.85                       | 3.96         | 45.40      | 47.60  | 12.00              | 1.50             | 14.38             | 42.30                       | 50.00                       | 2.14        |
| C50-3R            | 15.875 | 10.16           | 9.40                       | 5.08         | 57.00      | 59.50  | 15.09              | 2.03             | 18.11             | 66.60                       | 77.80                       | 3.62        |
| C60-3R            | 19.050 | 11.91           | 12.57                      | 5.94         | 71.50      | 73.90  | 18.0/18.2          | 2.42             | 22.78             | 95.40                       | 111.10                      | 5.36/5.41   |
| C80-3R            | 25.400 | 15.88           | 15.75                      | 7.92         | 91.70      | 95.10  | 24.00              | 3.25             | 29.29             | 170.10                      | 198.40                      | 9.10        |
| C100-3XR          | 31.750 | 19.05           | 18.90                      | 9.53         | 112.20     | 116.30 | 30.00              | 4.00             | 35.76             | 265.50                      | 309.60                      | 13.60       |
| C120-3XR          | 38.100 | 22.23           | 25.22                      | 11.10        | 141.40     | 145.20 | 35.70              | 4.80             | 45.44             | 381.00                      | 437.20                      | 20.43       |
| C140-3XR          | 44.450 | 25.40           | 25.22                      | 12.70        | 152.20     | 156.80 | 41.00              | 5.60             | 48.87             | 517.20                      | 593.30                      | 25.23       |
| C160-3XR          | 50.800 | 28.58           | 31.55                      | 14.27        | 181.80     | 186.60 | 47.80              | 6.40             | 58.55             | 680.40                      | 780.60                      | 34.19       |

Standard boxed lengths are 5 metres or 10 feet. Each box contains one CL. Special lengths available.

### Chain Pullers

| Model          | Range     |         |
|----------------|-----------|---------|
|                | From inch | To inch |
| CB-105 (Small) | 1/4"      | 3/4"    |
| CB-106 (Large) | 3/4"      | 1.1/4"  |

