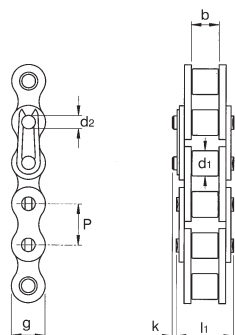


# British Standard Precision Roller Chain

Conforming to ISO 606 and DIN 8187



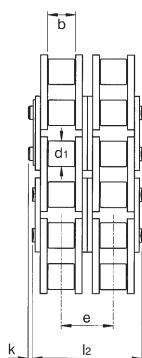
## Simplex Roller Chains



| Cat No.† | Pitch P    | Inside Width b min mm | Roller Dia. d1 max. mm | Pin Dia. d2 max. mm | Plate Depth g mm | Pin Length l1 max. mm | Con Pin Ext. k mm | Transverse Pitch e mm | Bearing Area cm² | Tensile Strength N | Approx Weight kg/m |
|----------|------------|-----------------------|------------------------|---------------------|------------------|-----------------------|-------------------|-----------------------|------------------|--------------------|--------------------|
| 04 B†    | 6mm        | 2.80                  | 4.00                   | 1.85                | 5.0              | 7.4                   | 2.9               |                       | 0.07             | 3,000              | 0.12               |
| 05 B-1   | 8mm        | 3.00                  | 5.00                   | 2.31                | 7.1              | 8.6                   | 3.1               |                       | 0.11             | 4,600              | 0.18               |
| 06 B-1   | 3/8 inch   | 5.72                  | 6.35                   | 3.28                | 8.3              | 12.8                  | 2.2               |                       | 0.28             | 9,100              | 0.41               |
| 08 B-1   | 1/2 inch   | 7.75                  | 8.51                   | 4.45                | 11.8             | 16.2                  | 2.1               |                       | 0.50             | 18,200             | 0.70               |
| 081-1    | 1/2 inch   | 3.30                  | 7.75                   | 3.66                | 9.9              | 10.2                  | 1.5               |                       | 0.21             | 8,200              | 0.28               |
| 083-1    | 1/2 inch   | 4.88                  | 7.75                   | 4.09                | 10.3             | 12.9                  | 1.5               |                       | 0.32             | 12,000             | 0.42               |
| 084-1    | 1/2 inch   | 4.88                  | 7.75                   | 4.09                | 11.1             | 14.8                  | 1.5               |                       | 0.35             | 16,000             | 0.59               |
| 08L †    | 1/2 inch   | 6.40                  | 7.75                   | 3.97                | 11.5             | 15.1                  | 2.0               |                       | 0.38             | 16,000             | 0.53               |
| 08N †    | 1/2 inch   | 4.88                  | 7.75                   | 3.66                | 9.9              | 10.9                  | 2.8               |                       | 0.28             | 8,200              | 0.33               |
| 086 †    | 1/2 inch   | 5.21                  | 8.51                   | 4.45                | 11.6             | 15.0                  | 3.9               |                       | 0.39             | 18,200             | 0.62               |
| 101 †    | 5/8 inch   | 6.48                  | 10.16                  | 5.08                | 15.0             | 16.0                  | 3.5               |                       | 0.51             | 22,700             | 0.80               |
| 10 B-1   | 5/8 inch   | 9.65                  | 10.16                  | 5.08                | 14.7             | 18.6                  | 2.2               |                       | 0.67             | 22,700             | 0.96               |
| 12 B-1   | 1 inch     | 11.68                 | 12.07                  | 5.72                | 16.1             | 21.9                  | 2.6               |                       | 0.89             | 29,000             | 1.23               |
| 16 B-1   | 1 inch     | 17.02                 | 15.88                  | 8.28                | 21.1             | 35.6                  | 3.1               |                       | 2.10             | 64,000             | 2.60               |
| 20 B-1   | 1 1/4 inch | 19.56                 | 19.05                  | 10.19               | 26.3             | 41.0                  | 3.1               |                       | 2.95             | 98,000             | 3.70               |
| 24 B-1   | 1 1/2 inch | 25.40                 | 25.40                  | 14.63               | 33.3             | 53.4                  | 3.5               |                       | 5.54             | 170,000            | 6.90               |
| 28 B-1   | 1 3/4 inch | 30.99                 | 27.94                  | 15.90               | 37.0             | 65.8                  | 3.6               |                       | 7.40             | 200,000            | 8.60               |
| 32 B-1   | 2 inch     | 30.99                 | 29.21                  | 17.78               | 40.6             | 64.8                  | 3.8               |                       | 8.11             | 260,000            | 9.50               |

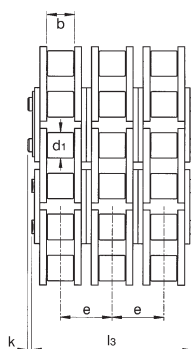
† Cat No. equates to ISO 606 Chain ref. except where indicated, which are chains to factory std.

## Duplex Roller Chains



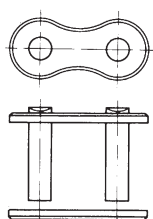
| Cat No.† | Pitch P    | Inside Width b min mm | Roller Dia. d1 max. mm | Pin Dia. d2 max. mm | Plate Depth g mm | Pin Length l1 max. mm | Con Pin Ext. k mm | Transverse Pitch e mm | Bearing Area cm² | Tensile Strength N | Approx Weight kg/m |
|----------|------------|-----------------------|------------------------|---------------------|------------------|-----------------------|-------------------|-----------------------|------------------|--------------------|--------------------|
| 05 B-2   | 8mm        | 3.0                   | 5.0                    | 2.31                | 7.1              | 14.3                  | 3.1               | 5.64                  | 0.22             | 8,000              | 0.36               |
| 06 B-2   | 3/8 inch   | 5.72                  | 6.35                   | 3.28                | 8.3              | 22.9                  | 2.2               | 10.24                 | 0.55             | 17,300             | 0.78               |
| 08 B-2   | 1/2 inch   | 7.75                  | 8.51                   | 4.45                | 11.8             | 30.2                  | 2.1               | 13.92                 | 1.00             | 31,800             | 1.40               |
| 10 B-2   | 5/8 inch   | 9.65                  | 10.16                  | 5.08                | 14.7             | 35.4                  | 2.2               | 16.59                 | 1.34             | 45,400             | 1.80               |
| 12 B-2   | 3/4 inch   | 11.68                 | 12.07                  | 5.72                | 16.1             | 41.4                  | 2.6               | 19.46                 | 1.78             | 57,900             | 2.44               |
| 16 B-2   | 1 inch     | 17.02                 | 15.88                  | 8.28                | 21.1             | 67.6                  | 3.1               | 31.88                 | 4.21             | 122,000            | 5.30               |
| 20 B-2   | 1 1/4 inch | 19.56                 | 19.05                  | 10.19               | 26.3             | 77.6                  | 3.1               | 36.45                 | 5.91             | 187,000            | 7.45               |
| 24 B-2   | 1 1/2 inch | 25.40                 | 25.40                  | 14.63               | 33.2             | 101.5                 | 3.5               | 48.36                 | 11.09            | 324,000            | 13.75              |
| 28 B-2   | 1 3/4 inch | 30.99                 | 27.94                  | 15.90               | 37.0             | 125.2                 | 3.6               | 59.56                 | 14.81            | 380,000            | 17.30              |
| 32 B-2   | 2 inch     | 30.99                 | 29.21                  | 17.78               | 40.6             | 123.0                 | 3.8               | 58.55                 | 16.23            | 495,000            | 18.80              |

## Triplex Roller Chains



| Cat No.† | Pitch P    | Inside Width b min mm | Roller Dia. d1 max. mm | Pin Dia. d2 max. mm | Plate Depth g mm | Pin Length l1 max. mm | Con Pin Ext. k mm | Transverse Pitch e mm | Bearing Area cm² | Tensile Strength N | Approx Weight kg/m |
|----------|------------|-----------------------|------------------------|---------------------|------------------|-----------------------|-------------------|-----------------------|------------------|--------------------|--------------------|
| 06 B-3   | 3/8 inch   | 5.72                  | 6.35                   | 3.28                | 8.3              | 32.8                  | 2.2               | 10.24                 | 0.83             | 25,400             | 1.18               |
| 08 B-3   | 1/2 inch   | 7.75                  | 8.51                   | 4.45                | 11.8             | 44.1                  | 2.1               | 13.92                 | 1.50             | 45,400             | 2.10               |
| 10 B-3   | 5/8 inch   | 9.65                  | 10.16                  | 5.08                | 14.7             | 51.9                  | 2.2               | 16.59                 | 2.02             | 68,100             | 2.85               |
| 12 B-3   | 3/4 inch   | 11.68                 | 12.07                  | 5.72                | 16.1             | 60.8                  | 2.6               | 19.46                 | 2.68             | 86,500             | 3.63               |
| 16 B-3   | 1 inch     | 17.02                 | 15.88                  | 8.28                | 21.1             | 99.4                  | 3.1               | 31.88                 | 6.32             | 182,000            | 7.80               |
| 20 B-3   | 1 1/4 inch | 19.56                 | 19.05                  | 10.19               | 26.3             | 114.9                 | 3.1               | 36.45                 | 8.86             | 280,000            | 11.4               |
| 24 B-3   | 1 1/2 inch | 25.40                 | 25.40                  | 14.63               | 33.2             | 149.5                 | 3.5               | 48.36                 | 16.64            | 485,000            | 20.5               |
| 28 B-3   | 1 3/4 inch | 30.99                 | 27.94                  | 15.90               | 37.0             | 184.8                 | 3.6               | 59.56                 | 22.21            | 570,000            | 25.8               |
| 32 B-3   | 2 inch     | 30.99                 | 29.21                  | 17.78               | 40.6             | 181.2                 | 3.8               | 58.55                 | 24.34            | 743,000            | 27.9               |

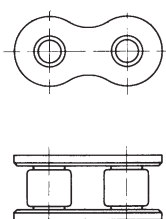
## Spares for Std. Chains



### Pin Unit (Rivetting Outer Links)

Available all sizes of chain. Press fit unit to connect chains for maximum performance

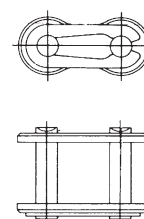
Part Ref. 79



### Roller Unit (Inner Link)

Available all sizes of chain to extend chain length or manufacture of special build chains.

Part Ref. 77



### Connecting Link (Spring Clip Type)

Standard all chains to 1 inch pitch. Should be assembled with open end away from running direction of chain.

Part Ref. 76