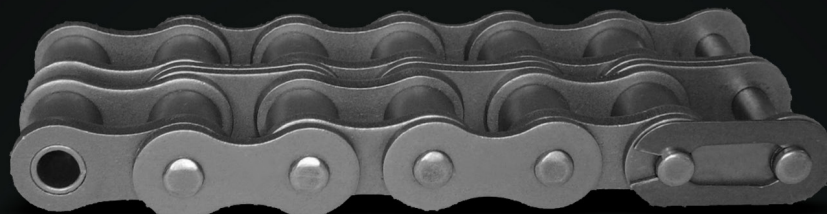
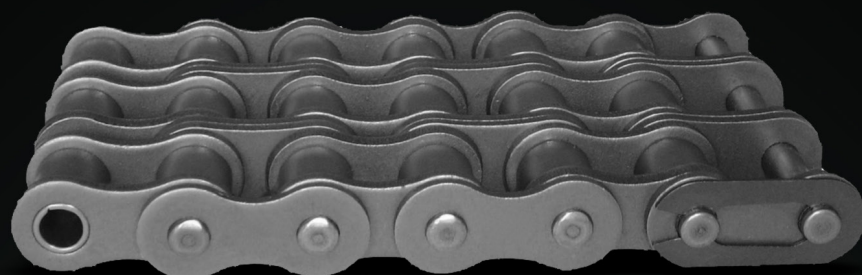
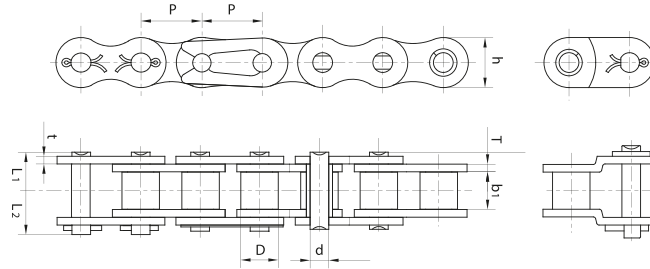


SHORT PITCH ROLLER CHAINS

B SERIES



B SERIES SHORT PITCH ROLLER CHAINS



| DIN/ISO Chain | P | b ₁ (min) | D (max) | d | L ₁ | L ₂ | h | t/T | Q _{min} | Q ₀ | q |
|---------------|--------|----------------------|---------|-------|----------------|----------------|------|----------|------------------|----------------|------|
| No. | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| 05B-1 | 8 | 3 | 5 | 2.31 | 3.9 | 4.8 | 7 | 0.75 | 4.4 | 5.9 | 0.19 |
| 06B-1 | 9.525 | 5.72 | 6.35 | 3.28 | 6.27 | 7.23 | 8.2 | 1.0/1.27 | 8.9 | 10.5 | 0.39 |
| 08B-1 | 12.7 | 7.75 | 8.51 | 4.45 | 8.5 | 9.9 | 11.8 | 1.65 | 17.8 | 20.5 | 0.75 |
| 10B-1 | 15.875 | 9.65 | 10.16 | 5.08 | 9.6 | 10.9 | 14.6 | 1.65 | 22.2 | 27.5 | 0.95 |
| 12B-1 | 19.05 | 11.68 | 12.07 | 5.72 | 11 | 12.4 | 16 | 1.8 | 28.9 | 32.5 | 1.22 |
| 16B-1 | 25.4 | 17.02 | 15.88 | 8.28 | 17.65 | 19.05 | 20.9 | 3.2/4 | 60 | 71 | 2.8 |
| 20B-1 | 31.75 | 19.56 | 19.05 | 10.19 | 20.2 | 23.8 | 26 | 3.6/4.5 | 95 | 107 | 3.9 |
| 24B-1 | 38.1 | 25.4 | 25.4 | 14.63 | 26.65 | 31.05 | 33 | 5/6 | 160 | 178 | 7.13 |
| 28B-1 | 44.45 | 30.99 | 27.94 | 15.9 | 32.55 | 36.45 | 36.7 | 6.2/7.5 | 200 | 225 | 9.36 |
| 32B-1 | 50.8 | 30.99 | 29.21 | 17.81 | 31.8 | 37.2 | 41.9 | 6.2/7 | 250 | 278 | 9.94 |

Q_{min} Kn = Ultimate tensile strength

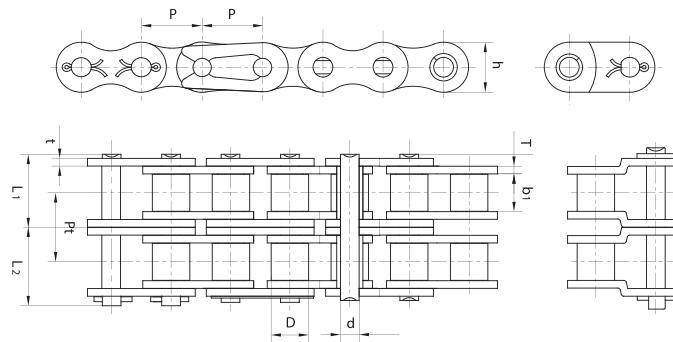
Q₀ Kn = Average tensile strength

Connecting Type:

The series less than 16B (including 16B) is preferred for spring clip type;

The series larger than 20B (including 20B) is preferred for cottered type.

B SERIES SHORT PITCH ROLLER CHAINS



| DIN/ISO Chain | P | b ₁ (min) | D (max) | d | L ₁ | L ₂ | h | t/T | Pt | Q _{min} | Q ₀ | q |
|---------------|--------|----------------------|---------|-------|----------------|----------------|------|----------|-------|------------------|----------------|-------|
| No. | mm | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| 05B-2 | 8 | 3 | 5 | 2.31 | 6.75 | 7.59 | 7 | 0.75 | 5.64 | 7.8 | 10.2 | 0.38 |
| 06B-2 | 9.525 | 5.72 | 6.35 | 3.28 | 11.4 | 12.4 | 8.2 | 1.0/1.27 | 10.24 | 16.9 | 18.9 | 0.74 |
| 08B-2 | 12.7 | 7.75 | 8.51 | 4.45 | 15.5 | 16.9 | 11.8 | 1.65 | 13.92 | 31.1 | 37 | 1.47 |
| 10B-2 | 15.875 | 9.65 | 10.16 | 5.08 | 17.9 | 19.3 | 14.6 | 1.65 | 16.59 | 44.5 | 53.8 | 1.88 |
| 12B-2 | 19.05 | 11.68 | 12.07 | 5.72 | 20.75 | 22.15 | 16 | 1.8 | 19.46 | 57.8 | 65.3 | 2.42 |
| 16B-2 | 25.4 | 17.02 | 15.88 | 8.28 | 33.6 | 35 | 20.9 | 3.2/4 | 31.88 | 106 | 128.3 | 5.54 |
| 20B-2 | 31.75 | 19.56 | 19.05 | 10.19 | 38.45 | 42.05 | 26 | 3.6/4.5 | 36.45 | 170 | 210 | 7.71 |
| 24B-2 | 38.1 | 25.4 | 25.4 | 14.63 | 50.85 | 55.25 | 33 | 5/6 | 48.36 | 280 | 313.6 | 14.09 |
| 28B-2 | 44.45 | 30.99 | 27.94 | 15.9 | 62.35 | 66.15 | 36.7 | 6.2/7.5 | 59.56 | 360 | 403.2 | 18.49 |
| 32B-2 | 50.8 | 30.99 | 29.21 | 17.81 | 62.05 | 66.45 | 41.9 | 6.2/7 | 58.55 | 450 | 504 | 19.59 |

Q_{min} Kn = Ultimate tensile strength

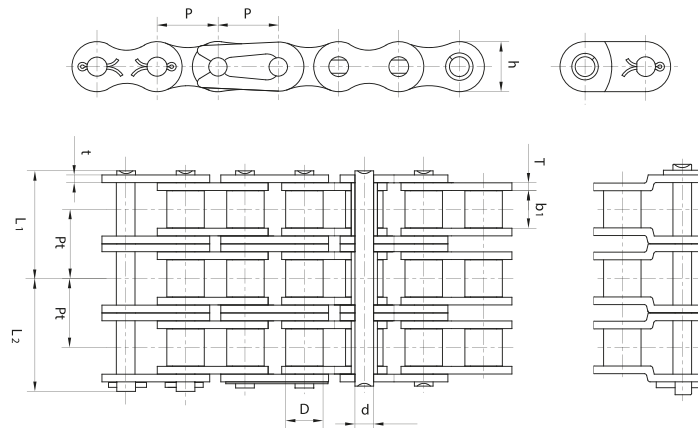
Q₀ Kn = Average tensile strength

Connecting Type:

The series less than 16B (including 16B) is preferred for spring clip type;

The series larger than 20B (including 20B) is preferred for cottered type.

B SERIES SHORT PITCH ROLLER CHAINS



| DIN/ISO Chain | P | b ₁ (min) | D (max) | d | L ₁ | L ₂ | h | t/T | Pt | Q _{min} | Q ₀ | q |
|---------------|--------|----------------------|---------|-------|----------------|----------------|------|----------|-------|------------------|----------------|-------|
| No. | mm | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| 05B-3 | 8 | 3 | 5 | 2.31 | 9.55 | 10.45 | 7 | 0.75 | 5.64 | 11.1 | 13.8 | 0.56 |
| 06B-3 | 9.525 | 5.72 | 6.35 | 3.28 | 16.5 | 17.5 | 8.2 | 1.0/1.27 | 10.24 | 24.9 | 30.1 | 1.1 |
| 08B-3 | 12.7 | 7.75 | 8.51 | 4.45 | 22.45 | 23.85 | 11.8 | 1.65 | 13.92 | 46.65 | 56 | 2.18 |
| 10B-3 | 15.875 | 9.65 | 10.16 | 5.08 | 26.2 | 27.6 | 14.6 | 1.65 | 16.59 | 66.7 | 83.4 | 2.82 |
| 12B-3 | 19.05 | 11.68 | 12.07 | 5.72 | 30.5 | 31.9 | 16 | 1.8 | 19.46 | 86.7 | 99.7 | 3.41 |
| 16B-3 | 25.4 | 17.02 | 15.88 | 8.28 | 49.55 | 50.95 | 20.9 | 3.2/4 | 31.88 | 160 | 200 | 8.28 |
| 20B-3 | 31.75 | 19.56 | 19.05 | 10.19 | 56.65 | 60.25 | 26 | 3.6/4.5 | 36.45 | 250 | 287.5 | 11.53 |
| 24B-3 | 38.1 | 25.4 | 25.4 | 14.63 | 75.05 | 79.45 | 33 | 5/6 | 48.36 | 425 | 488.8 | 20.79 |
| 28B-3 | 44.45 | 30.99 | 27.94 | 15.9 | 92.15 | 96.05 | 36.7 | 6.2/7.5 | 59.56 | 520 | 592.8 | 27.78 |
| 32B-3 | 50.8 | 30.99 | 29.21 | 17.81 | 91.35 | 95.75 | 41.9 | 6.2/7 | 58.55 | 507 | 578.1 | 29.25 |

Q_{min} Kn = Ultimate tensile strength

Q₀ Kn = Average tensile strength

Connecting Type:

The series less than 16B (including 16B) is preferred for spring clip type;

The series larger than 20B (including 20B) is preferred for cottered type.