

DATASHEET: ROLLER CHAIN

A fit-for-function chain suitable for a broad range of industrial applications and is often used in all different industries like material handling and wood industries.

Properties



Temperature operating range between -10°C to $+80^{\circ}\text{C}$ with standard lubrication.



Standard lubrication can be used on all chains used for common types of applications, directly out of the box.



All Protorque roller chains are pre-loaded to secure minimal start up adjustments.



Protorque chains are ISO606 - DIN 8187 - DIN 8188 and meet RoHS and REACH requirements.



> Protorque Standard Roller Chain

Efficient, reliable and fit-for-function roller chain suitable for a broad range of industrial applications and is used in industries such as light material and wood industries.



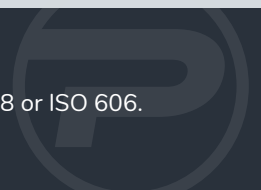
> Protorque PLUS Roller Chain

Protorque PLUS is suitable for demanding applications, and it is the perfect solution in a wide range of application within lifting, transporting or transmitting power.



> Protorque Corrosion Resistant Roller Chain

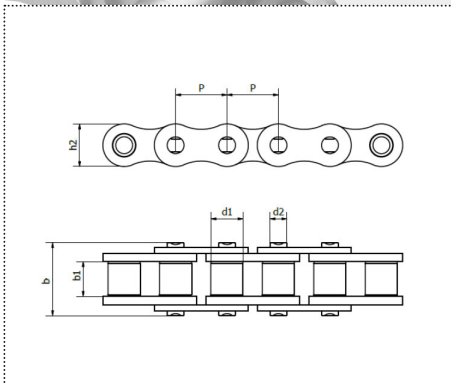
Corrosion resistant roller chains are your best option when you need reliable performance in tough environments, or contact with sensitive materials. Choose from nickel plated, zinc plated and stainless steel.



TECHNICAL INFORMATION

> Simplex

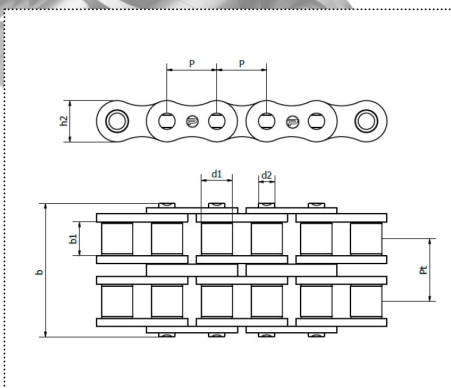
Single strand roller chain



| Simplex | | | | | | |
|---------|--------------|--------------|------------------------|--------------------------|--------------------|---------------|
| ISO 606 | Pitch P (IN) | PITCH P (MM) | Max roller dia d1 (mm) | min. inner width b1 (mm) | breaking load (kn) | weight (kg/m) |
| 06B-1 | 3/8 | 9.525 | 6.35 | 5.72 | 8.9 | 0.41 |
| 08B-1 | 1/2 | 12.7 | 8.51 | 7.75 | 17.8 | 0.69 |
| 10B-1 | 5/8 | 15.875 | 10.16 | 9.65 | 22.2 | 0.93 |
| 12B-1 | 3/4 | 19.05 | 12.07 | 11.68 | 28.9 | 1.15 |
| 16B-1 | 1 | 25.4 | 15.88 | 17.02 | 60 | 2.71 |
| 20B-1 | 1 1/4 | 31.75 | 19.05 | 19.56 | 95 | 3.7 |
| 24B-1 | 1 1/2 | 38.1 | 25.4 | 25.4 | 160 | 7.1 |
| 28B-1 | 1 3/4 | 44.45 | 27.94 | 30.99 | 200 | 8.5 |
| 32B-1 | 2 | 50.8 | 29.21 | 30.99 | 250 | 10.25 |
| 40B-1 | 2 1/2 | 63.5 | 39.37 | 37.1 | 355 | 16.35 |
| 48B-1 | 3 | 76.2 | 48.26 | 45.72 | 560 | 25 |

> Duplex

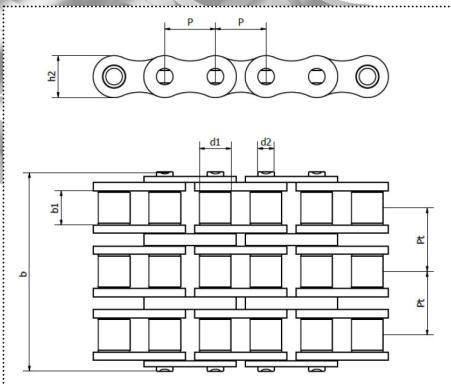
Double strand roller chain



| Duplex | | | | | | |
|---------|--------------|--------------|------------------------|--------------------------|--------------------|---------------|
| ISO 606 | Pitch P (IN) | PITCH P (MM) | Max roller dia d1 (mm) | min. inner width b1 (mm) | breaking load (kn) | weight (kg/m) |
| 06B-2 | 3/8 | 9.525 | 6.35 | 5.72 | 16.9 | 0.77 |
| 08B-2 | 1/2 | 12.7 | 8.51 | 7.75 | 31.1 | 1.34 |
| 10B-2 | 5/8 | 15.875 | 10.16 | 9.65 | 44.5 | 1.84 |
| 12B-2 | 3/4 | 19.05 | 12.07 | 11.68 | 57.8 | 2.31 |
| 16B-2 | 1 | 25.4 | 15.88 | 17.02 | 106 | 5.42 |
| 20B-2 | 1 1/4 | 31.75 | 19.05 | 19.56 | 170 | 7.2 |
| 24B-2 | 1 1/2 | 38.1 | 25.4 | 25.4 | 280 | 13.4 |
| 28B-2 | 1 3/4 | 44.45 | 27.94 | 30.99 | 360 | 16.6 |
| 32B-2 | 2 | 50.8 | 29.21 | 30.99 | 450 | 21 |
| 40B-2 | 2 1/2 | 63.5 | 39.37 | 37.1 | 630 | 32 |
| 48B-2 | 3 | 76.2 | 48.26 | 45.72 | 1000 | 50 |

> Triplex

Triple strand roller chain



| Triplex | | | | | | |
|---------|--------------|--------------|------------------------|--------------------------|--------------------|---------------|
| ISO 606 | Pitch P (IN) | PITCH P (MM) | Max roller dia d1 (mm) | min. inner width b1 (mm) | breaking load (kn) | weight (kg/m) |
| 06B-3 | 3/8 | 9.525 | 6.35 | 5.72 | 24.9 | 1.16 |
| 08B-3 | 1/2 | 12.7 | 8.51 | 7.75 | 44.5 | 2.03 |
| 10B-3 | 5/8 | 15.875 | 10.16 | 9.65 | 66.7 | 2.77 |
| 12B-3 | 3/4 | 19.05 | 12.07 | 11.68 | 86.7 | 3.46 |
| 16B-3 | 1 | 25.4 | 15.88 | 17.02 | 160 | 8.13 |
| 20B-3 | 1 1/4 | 31.75 | 19.05 | 19.56 | 250 | 10.82 |
| 24B-3 | 1 1/2 | 38.1 | 25.4 | 25.4 | 425 | 20.1 |
| 28B-3 | 1 3/4 | 44.45 | 27.94 | 30.99 | 530 | 24.92 |
| 32B-3 | 2 | 50.8 | 29.21 | 30.99 | 670 | 31.56 |
| 40B-3 | 2 1/2 | 63.5 | 39.37 | 37.1 | 950 | 48.1 |
| 48B-3 | 3 | 76.2 | 48.26 | 45.72 | 1500 | 75 |