



High Performance from Rexnord

RexPro Roller chains | European type



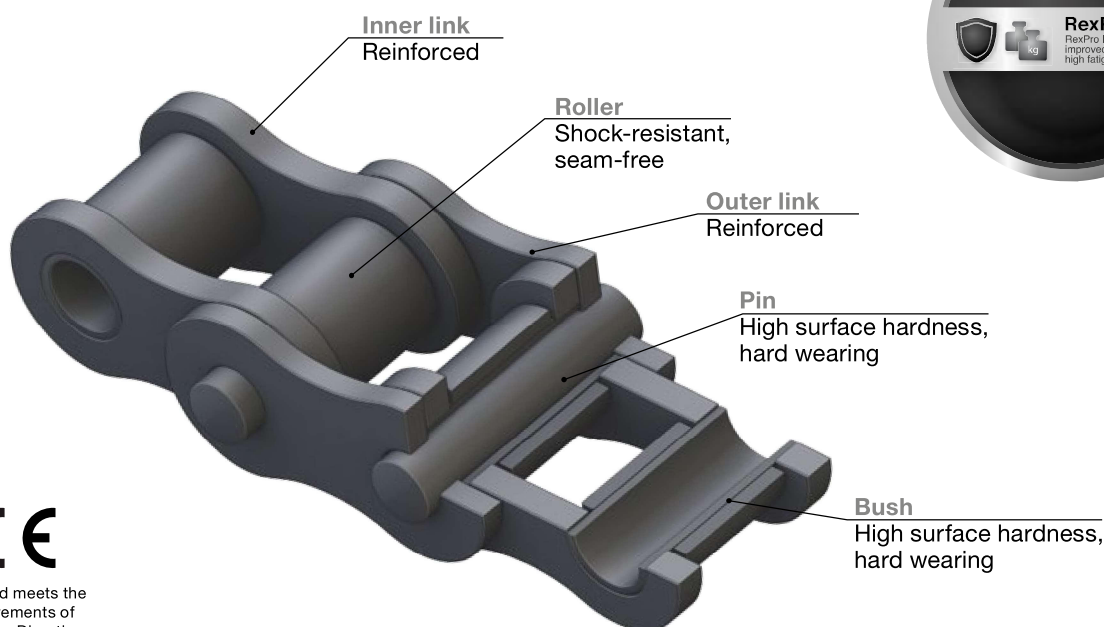
RexPro

RexPro lubrication
improved wear resistance
high fatigue resistance



Roller chains - European type

High Performance from Rexnord.



Rexnord meets the
requirements of
Machine Directive
2006/42/EC



APPLICATIONS

- Automotive, textile and steel industry, bottling and beverage plants, agricultural machinery, construction machinery
- Food and confectionery industry, packing industry, conveyor engineering
- Pharmaceutical industry, paper and wood processing, machine and plant manufacturers

CHARACTERISTICS

- High fatigue resistance
- Improved wear resistance
- Outstanding corrosion protection
- Very environmentally friendly
- Manufactured from high-performance materials
- Ball-drifted plate holes
- Seam-free rollers
- Shot-peened pins, plates, bushes and rollers
- Delivered adjusted and torsion-free on request
- NSF H2 certification, RoHS:2005 compliant

ADVANTAGES

- Minimal bedding-in elongation
- Longer working life
- Very high impact strength
- Very robust under the toughest conditions
- Maximum operating reliability
- Improved cost-effectiveness

LUBRICATION

- RexPro lubrication without heavy metals for improved protection
- Operating temperature: -30°C to +130°C (can be extended from -40°C to +250°C)
- Very good surface adhesion; remains drip resistant even at high temperatures
- No heavy metals, Teflon- and silicone-free

RexPro - High performance from Rexnord



Excellent Corrosion Protection

- 8 - 10 times better than the best competitors
- More than 100 % better in the buckling test
- Highly versatile, also suitable for aggressive environments



Improved Wear Resistance

- 8 - 12 % improvement in comparison to predecessor
- Great protection through RexPro lubrication
- Long working life
- High operating reliability



High Fatigue Resistance

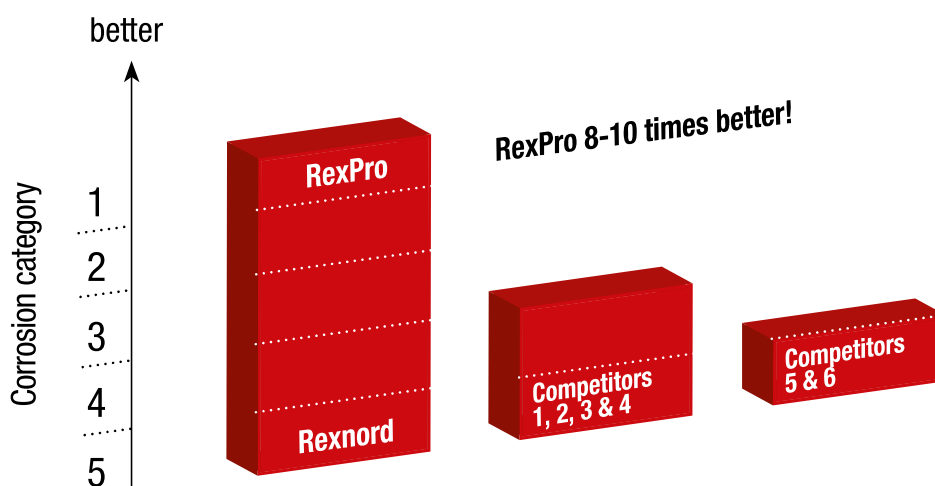
- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

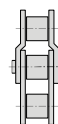
Salt spray test in accordance with DIN EN ISO 9227



Rexnord meets the requirements of Machine Directive 2006/42/EC

Roller chains - European type

High Performance from Rexnord.



Simplex roller chains



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High Fatigue Resistance

- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Rexnord meets the requirements of Machine Directive 2006/42/EC

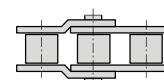
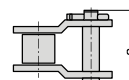
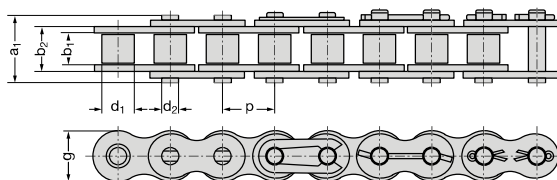


Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

Simplex roller chains, DIN ISO 606 (DIN 8187)

| Chain No. | Pitch | | Width between inner plates | Roller diameter | Pin diameter | Width over inner link | Plate depth | Pin length | Connecting pin length | Bearing area | Required minimum tensile strength DIN/ISO | Average tensile strength | Weight | Loose parts | | | | | | | | | | | | | | | | |
|-----------|-------|-------|----------------------------|-----------------|--------------|-----------------------|-------------|------------|-----------------------|--------------|---|--------------------------|--------|--------------------|--------------------|--------------------|--------------------|---|--------------------|--------------------|---|----------------|----------------|---|---|---|---|---|---|---|
| | p | | | | | | | | | | | | | b ₁ min | d ₁ max | d ₂ max | b ₂ max | g | a ₁ max | a ₃ max | A | F _U | F _B | q | A | B | C | E | L | S |
| | Inch | mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | | 6 | 2.80 | 4.00 | 1.85 | 4.10 | 5.0 | 7.4 | 10.3 | 0.08 | 3 000 | 3 000 | 0.2 | | | | x | x | | | | | | | | | | | | |
| 05 B - 1 | | 8 | 3.00 | 5.00 | 2.31 | 4.77 | 7.1 | 8.6 | 11.7 | 0.11 | 4 400 | 4 400 | 0.2 | | | | x | x | | | | | | | | | | | | |
| 06 B - 1 | 0.375 | 9.52 | 5.72 | 6.35 | 3.28 | 8.53 | 8.2 | 13.5 | 16.8 | 0.28 | 8 900 | 9 000 | 0.5 | | | | x | x | | | | | | | | | | | | |
| 083 | 0.50 | 12.7 | 4.88 | 7.75 | 4.09 | 7.90 | 10.3 | 12.9 | 14.4 | 0.32 | 12 000 | 12 000 | 0.5 | | | | x | x | x | | | | | | | | | | | |
| 084 | 0.50 | 12.7 | 4.88 | 7.75 | 4.09 | 8.80 | 11.1 | 14.8 | 16.3 | 0.326 | 16 000 | 16 000 | 0.6 | | | | x | x | x | | | | | | | | | | | |
| 08 B - 1 | 0.50 | 12.7 | 7.75 | 8.51 | 4.45 | 11.30 | 11.6 | 17.0 | 20.9 | 0.50 | 17 800 | 21 000 | 0.7 | x | x | | x | x | x | | | | | | | | | | | |
| 10 B - 1 | 0.625 | 15.87 | 9.65 | 10.16 | 5.08 | 13.28 | 14.6 | 19.6 | 23.7 | 0.67 | 22 200 | 25 000 | 0.9 | x | x | x | | x | x | | | | | | | | | | | |
| 12 B - 1 | 0.75 | 19.05 | 11.68 | 12.07 | 5.72 | 15.62 | 15.9 | 22.7 | 27.3 | 0.89 | 28 900 | 32 000 | 1.2 | x | x | x | | x | x | | | | | | | | | | | |
| 16 B - 1 | 1.00 | 25.4 | 17.02 | 15.88 | 8.28 | 25.40 | 20.5 | 36.1 | 42.4 | 2.10 | 60 000 | 80 000 | 2.6 | x | x | x | | x | x | x | | | | | | | | | | |
| 20 B - 1 | 1.25 | 31.75 | 19.56 | 19.05 | 10.19 | 29.00 | 25.7 | 40.4 | 47.6 | 2.96 | 95 000 | 120 000 | 3.7 | x | x | | | x | x | | | | | | | | | | | |
| 24 B - 1 | 1.50 | 38.1 | 25.40 | 25.40 | 14.63 | 37.90 | 33.0 | 53.8 | 60.6 | 5.54 | 160 000 | 211 000 | 6.9 | x | x | | | | x | x | | | | | | | | | | |
| 28 B - 1 | 1.75 | 44.45 | 30.99 | 27.94 | 15.90 | 46.50 | 37.0 | 63.3 | 72.8 | 7.39 | 200 000 | 256 000 | 8.6 | x | x | | | | x | x | | | | | | | | | | |
| 32 B - 1 | 2.00 | 50.8 | 30.99 | 29.21 | 17.81 | 45.50 | 41.2 | 65.1 | 73.6 | 8.10 | 250 000 | 315 000 | 9.5 | x | x | | | | x | x | | | | | | | | | | |
| 40 B - 1 | 2.50 | 63.5 | 38.10 | 39.37 | 22.89 | 55.70 | 51.5 | 78.9 | 91.3 | 12.7 | 355 000 | 380 000 | 15.1 | x | x | | | | x | x | | | | | | | | | | |
| 48 B - 1 | 3.00 | 76.2 | 45.72 | 48.26 | 29.24 | 70.50 | 63.5 | 98.5 | 124.0 | 20.6 | 560 000 | 600 000 | 24.5 | x | x | | | | x | x | | | | | | | | | | |
| 56 B - 1 | 3.50 | 88.9 | 53.34 | 53.98 | 34.32 | 81.30 | 77.0 | 114.7 | 140.0 | 27.9 | 850 000 | 950 000 | 36.5 | x | x | | | | | x | | | | | | | | | | |
| 64 B - 1 | 4.00 | 101.6 | 60.96 | 63.50 | 39.40 | 92.00 | 93.3 | 130.0 | 143.0 | 36.2 | 1 120 000 | - | 50.0 | x | x | | | | | x | | | | | | | | | | |
| 72 B - 1 | 4.50 | 114.3 | 68.58 | 72.39 | 44.50 | 103.80 | 105.3 | 147.0 | 161.0 | 46.2 | 1 400 000 | - | 65.0 | x | x | | | | | x | | | | | | | | | | |



B
inner
link

A
outer
link

E
connecting
link with clip

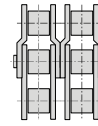
S
connecting link
with cotter pin

L
cranked
link with cotter pin

C
double cranked
link

Roller chains - European type

High Performance from Rexnord.



Duplex roller chains



Excellent Corrosion Protection

- 8 - 10 times better than the best competitors
- More than 100 % better in the buckling test
- Highly versatile, also suitable for aggressive environments



Improved Wear Resistance

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- Great protection through RexPro lubrication
- Long working life
- High operating reliability



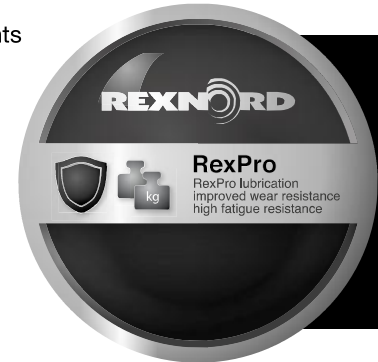
High Fatigue Resistance

- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

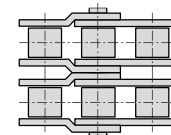
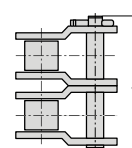
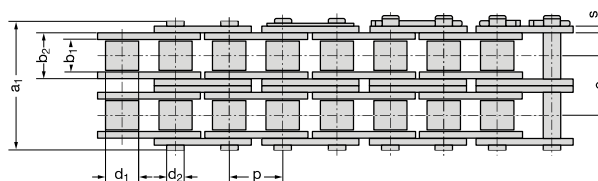
- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001



Rexnord meets the requirements of Machine Directive 2006/42/EC

Duplex roller chains, DIN ISO 606 (DIN 8187)

| Chain No. | Pitch | | Width between inner plates | Roller diameter | Pin diameter | Width over inner link | Plate depth | Transverse pitch | Pin length | Connecting pin length | Bearing area | Required minimum tensile strength DIN/ISO | Average tensile strength | Weight | Loose parts | | | | | |
|-----------|-------|--------------------|----------------------------|--------------------|--------------------|-----------------------|-------------|--------------------|--------------------|-----------------------|-----------------|---|--------------------------|--------|-------------|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |
| | p | b ₁ min | d ₁ max | d ₂ max | b ₂ max | g | e | a ₁ max | a ₃ max | A | F _U | F _B | q | A | B | C | E | L | S | |
| | Inch | mm | mm | mm | mm | mm | mm | mm | mm | mm | cm ² | N | N | kg/m | | | | | | |
| 06 B - 2 | 0.375 | 9.52 | 5.72 | 6.35 | 3.28 | 8.53 | 8.2 | 10.24 | 23.8 | 27.1 | 0.56 | 16 900 | 18 000 | 0.8 | | | x | x | x | |
| 08 B - 2 | 0.50 | 12.7 | 7.75 | 8.51 | 4.45 | 11.30 | 11.6 | 13.92 | 30.6 | 34.9 | 1.01 | 31 100 | 45 000 | 1.4 | x | x | x | x | x | |
| 10 B - 2 | 0.625 | 15.87 | 9.65 | 10.16 | 5.08 | 13.28 | 14.6 | 16.59 | 35.5 | 40.3 | 1.34 | 44 500 | 50 000 | 1.8 | x | x | x | x | x | |
| 12 B - 2 | 0.75 | 19.05 | 11.68 | 12.07 | 5.72 | 15.62 | 15.9 | 19.46 | 41.7 | 46.8 | 1.79 | 57 800 | 64 000 | 2.3 | x | x | x | x | x | |
| 16 B - 2 | 1.00 | 25.4 | 17.02 | 15.88 | 8.28 | 25.40 | 20.5 | 31.88 | 67.4 | 73.4 | 4.21 | 106 000 | 140 000 | 5.3 | x | x | x | x | x | x |
| 20 B - 2 | 1.25 | 31.75 | 19.56 | 19.05 | 10.19 | 29.00 | 25.7 | 36.45 | 76.9 | 83.6 | 5.91 | 170 000 | 210 000 | 7.3 | x | x | | | x | x |
| 24 B - 2 | 1.50 | 38.1 | 25.40 | 25.40 | 14.63 | 37.90 | 33.0 | 48.36 | 102.2 | 112.7 | 11.1 | 280 000 | 370 000 | 13.8 | x | x | | | x | x |
| 28 B - 2 | 1.75 | 44.45 | 30.99 | 27.94 | 15.90 | 46.50 | 37.0 | 59.56 | 122.8 | 132.7 | 14.8 | 360 000 | 500 000 | 17.3 | x | x | | | x | x |
| 32 B - 2 | 2.00 | 50.8 | 30.99 | 29.21 | 17.81 | 45.50 | 41.2 | 58.55 | 123.6 | 132.4 | 16.2 | 450 000 | 530 000 | 18.8 | x | x | | | x | x |
| 40 B - 2 | 2.50 | 63.5 | 38.10 | 39.37 | 22.89 | 55.70 | 51.5 | 72.29 | 151.2 | 163.8 | 25.5 | 630 000 | 750 000 | 29.9 | x | x | | | x | x |
| 48 B - 2 | 3.00 | 76.2 | 45.72 | 48.26 | 29.24 | 70.50 | 63.5 | 91.21 | 189.7 | 215.2 | 41.2 | 1 000 000 | 1 250 000 | 48.6 | x | x | | | x | x |
| 56 B - 2 | 3.50 | 88.9 | 53.34 | 53.98 | 34.32 | 81.30 | 77.0 | 106.60 | 221.3 | 246.5 | 55.8 | 1 600 000 | 1 900 000 | 72.5 | x | x | | | x | x |
| 64 B - 2 | 4.00 | 101.6 | 60.96 | 63.50 | 39.40 | 92.00 | 93.3 | 119.89 | 250.0 | 263.0 | 72.5 | 2 000 000 | 2 000 000 | 98.0 | x | x | | | | x |
| 72 B - 2 | 4.50 | 114.3 | 68.58 | 72.39 | 44.50 | 103.80 | 105.3 | 136.27 | 283.0 | 297.0 | 92.4 | 2 500 000 | 2 500 000 | 128.0 | x | x | | | | x |



B
inner
link

A
outer
link

E
connecting
link with clip

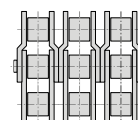
S
connecting link
with cotter pin

L
cranked
link with cotter pin

C
double
cranked link

Roller chains - European type

High Performance from Rexnord.



Triplex roller chains



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- 8 - 10 times better than the best competitors
- More than 100 % better in the buckling test
- Highly versatile, also suitable for aggressive environments



Improved Wear Resistance

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- Great protection through RexPro lubrication
- Long working life
- High operating reliability



High Fatigue Resistance

- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Rexnord meets the requirements of Machine Directive 2006/42/EC

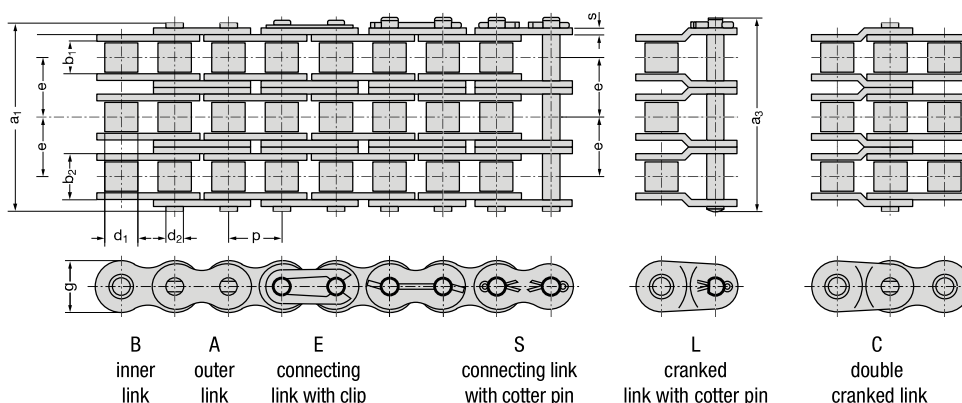


Eco friendly

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- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

Triplex roller chains, DIN ISO 606 (DIN 8187)

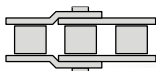
| Chain No. | Pitch | | Width between inner plates | Roller diameter | Pin diameter | Width over inner link | Plate depth | Transverse pitch | Pin length | Connecting pin length | Bearing area | Required minimum tensile strength DIN/ISO | Average tensile strength | Weight | Loose parts | | | | | | |
|-----------|-------|-------|-------------------------------|--------------------|--------------------|--------------------------|-------------|------------------|--------------------|--------------------------|-----------------|---|-----------------------------|--------|-------------|---|---|---|---|---|--|
| | p | | b ₁ min | d ₁ max | d ₂ max | b ₂ max | g | e | a ₁ max | a ₃ max | A | F _U | F _B | q | A | B | C | E | L | S | |
| | Inch | mm | mm | mm | mm | mm | mm | mm | mm | mm | cm ² | N | N | kg/m | | | | | | | |
| 06 B - 3 | 0.375 | 9.52 | 5.72 | 6.35 | 3.28 | 8.53 | 8.3 | 10.24 | 34.0 | 37.3 | 0.84 | 24 900 | 26 000 | 1.2 | | | | x | x | x | |
| 08 B - 3 | 0.50 | 12.7 | 7.75 | 8.51 | 4.45 | 11.30 | 11.6 | 13.92 | 44.6 | 48.8 | 1.51 | 44 500 | 64 000 | 2.1 | x | x | | x | x | x | |
| 10 B - 3 | 0.625 | 15.87 | 9.65 | 10.16 | 5.08 | 13.28 | 14.6 | 16.59 | 52.2 | 56.9 | 2.02 | 66 700 | 75 000 | 2.6 | x | x | | x | x | x | |
| 12 B - 3 | 0.75 | 19.05 | 11.68 | 12.07 | 5.72 | 15.62 | 15.9 | 19.46 | 61.3 | 66.3 | 2.68 | 86 700 | 96 000 | 3.4 | x | x | | x | x | x | |
| 16 B - 3 | 1.00 | 25.4 | 17.02 | 15.88 | 8.28 | 25.40 | 20.5 | 31.88 | 99.3 | 105.3 | 6.31 | 160 000 | 210 000 | 7.8 | x | x | | x | x | x | |
| 20 B - 3 | 1.25 | 31.75 | 19.56 | 19.05 | 10.19 | 29.00 | 25.7 | 36.45 | 113.4 | 121.2 | 8.87 | 250 000 | 315 000 | 10.9 | x | x | | | | x | |
| 24 B - 3 | 1.50 | 38.1 | 25.40 | 25.40 | 14.63 | 37.90 | 33.0 | 48.36 | 150.5 | 160.4 | 16.6 | 425 000 | 560 000 | 20.5 | x | x | | | | x | |
| 28 B - 3 | 1.75 | 44.45 | 30.99 | 27.94 | 15.90 | 46.50 | 37.0 | 59.56 | 182.3 | 192.2 | 22.2 | 530 000 | 750 000 | 25.6 | x | x | | | | x | |
| 32 B - 3 | 2.00 | 50.8 | 30.99 | 29.21 | 17.81 | 45.50 | 41.2 | 58.55 | 182.2 | 191.0 | 24.3 | 670 000 | 795 000 | 28.0 | x | x | | | | x | |
| 40 B - 3 | 2.50 | 63.5 | 38.10 | 39.37 | 22.89 | 55.70 | 51.5 | 72.29 | 223.5 | 236.1 | 38.2 | 950 000 | 117 000 | 44.8 | x | x | | | | x | |
| 48 B - 3 | 3.00 | 76.2 | 45.72 | 48.26 | 29.24 | 70.50 | 63.5 | 91.21 | 281.0 | 306.5 | 61.8 | 1 500 000 | 187 000 | 72.5 | x | x | | | | x | |
| 56 B - 3 | 3.50 | 88.9 | 53.34 | 53.98 | 34.32 | 81.30 | 77.0 | 106.60 | 328.0 | 353.2 | 83.7 | 2 240 000 | 2 85 000 | 109.0 | x | x | | | | x | |
| 64 B - 3 | 4.00 | 101.6 | 60.96 | 63.50 | 39.40 | 92.00 | 93.0 | 119.89 | 368.2 | 379.0 | 108.7 | 3 000 000 | 3 000 000 | 144.0 | x | x | | | | x | |
| 72 B - 3 | 4.50 | 114.3 | 68.58 | 72.39 | 44.50 | 103.80 | 105.0 | 136.27 | 418.7 | 429.7 | 138.6 | 3 750 000 | - | 171.0 | x | x | | | | x | |





Overview Rexnord roller chains

Roller Chains



RexPro
RexPro lubrication
improved wear resistance
high fatigue resistance

- Outstanding protection against corrosion and wear
- Unique protection against chain joint stiffness
- Extremely eco-friendly

RexAthletic
good loading capacity
extended lubrication intervals

- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity

RexCarbon
no lubrication
low noise

- Maintenance-free
- Low noise
- Eco-friendly

RexPlus
excellent corrosion resistance
high reliability

- Excellent resistance to rust and acids
- Highly reliable
- Fulfills hygiene requirements
- NSF H1 certification

RexPlusCarbon
no lubrication
excellent corrosion resistance

- Combination of RexPlus and RexCarbon
- Excellent resistance to rust and acids
- Maintenance-free
- NSF H1 certification

RexHiPro
good corrosion resistance
excellent loading capacity

- Outstanding corrosion resistance
- Long service life
- High loading capacity

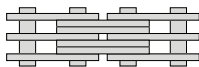
Link-Belt®
a brand of
REXNORD

- The optimum choice for light and medium duty
- Good cost-benefit ratio
- High availability

RexProX
RexPro lubrication
improved wear resistance
high fatigue resistance

- Extremely high loading capacity
- Long service life
- Outstanding protection against corrosion and wear

Leaf Chains



RexPro
RexPro lubrication
improved wear resistance
high fatigue resistance

- Outstanding protection against corrosion and wear
- Unique protection against chain joint stiffness
- Extremely eco-friendly

RexHiPro
good corrosion resistance
excellent loading capacity

- Outstanding corrosion resistance
- Long service life
- High loading capacity

RexAthletic
good loading capacity
extended lubrication intervals

- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity
- Extreme wear resistance for double-length service life

REXDL
a brand of
REXNORD

- The optimum choice for light and medium duty
- Good cost-benefit ratio
- Good availability