



High Performance from Rexnord

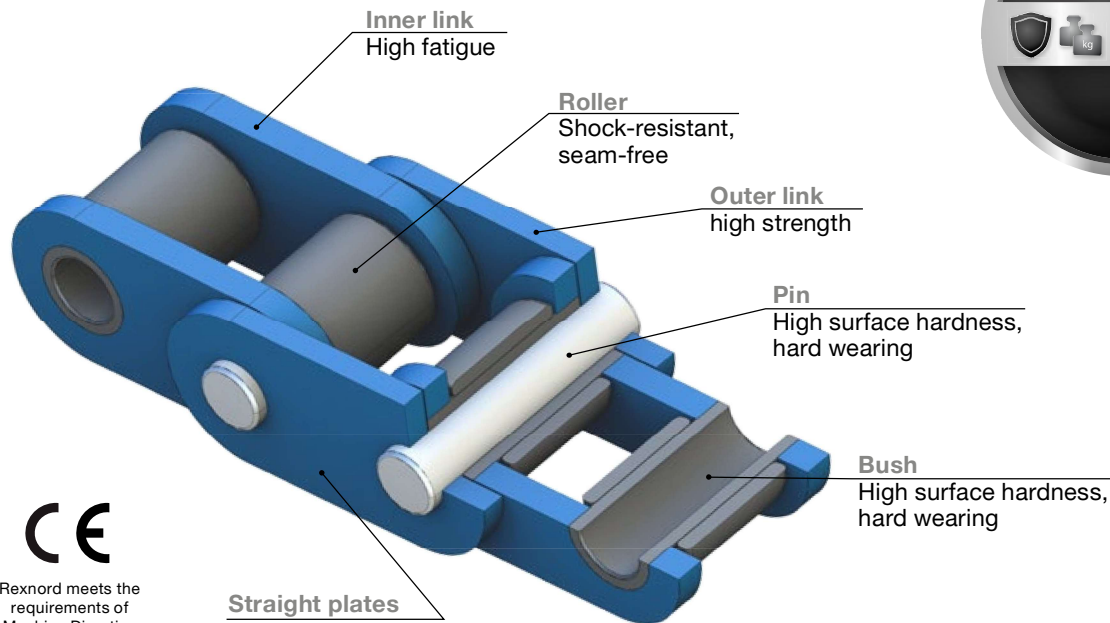
Roller chains with straight plates



**Outstanding
corrosion protection,
maximum operational
safety**

Roller chains with straight plates

High Performance from Rexnord.



APPLICATIONS

- Automobile and steel industry, beverage and bottling plants, logistics
- Food and beverage industry, packaging industry, material handling
- Pharmaceuticals, paper and wood processing, machinery and equipment

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

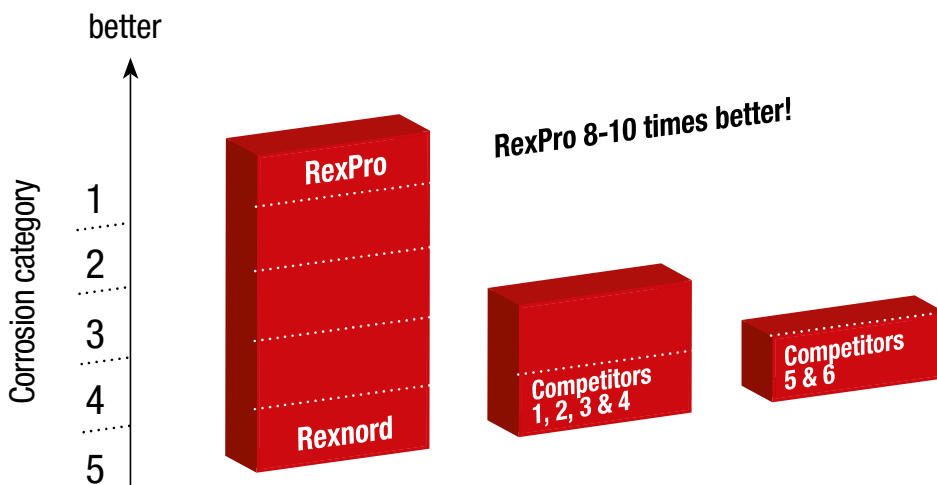
- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

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

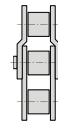
Salt spray test in accordance with DIN EN ISO 9227



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

Roller chains with straight plates

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Simplex roller chains



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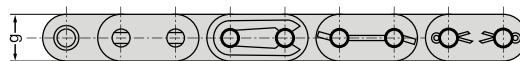
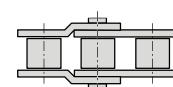
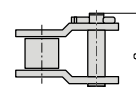
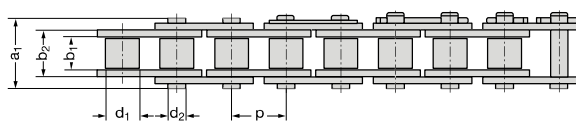


Eco friendly

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

Simplex roller chains with straight plates, DIN ISO 606 (DIN 8187 / DIN 8188)

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	Components							
	p														b ₁ min	d ₁ max	d ₂ max	b ₂ max	g	e	a ₁ max	a ₃ max
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	N	N	kg/m							
06 B - 1 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.1	–	12.8	15.8	0.28	9 000		0.5	x	x		x				
10 B - 1 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.9	–	18.9	22.0	0.67	22 400		1.0	x	x		x				
12 B - 1 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	–	22.3	25.1	0.89	29 000		1.3	x	x		x				
16 B - 1 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.3	–	35.4	42.4	2.10	60 000		2.9	x	x		x				
20 B - 1 GL	1.25	31.75	19.56	19.05	10.19	29.00	25.8	–	40.4	47.6	2.96	95 000		4.0	x	x						
24 B - 1 GL	1.50	38.1	25.40	25.40	14.63	37.90	33.0	–	53.8	60.6	5.54	160 000		7.5	x	x						
32 B - 1 GL	2.00	50.8	30.80	29.21	17.81	45.50	41.2	–	65.1	71.0	8.10	250 000		10.4	x	x						
60 - 1 GL	0.75	19.05	12.57	11.91	5.94	17.70	18.0	–	25.7	29.6	1.05	31 800		1.6	x	x					x	
80 - 1 GL	1.00	25.4	15.75	15.88	7.92	22.50	24.0		32.9	38.0	1.78	56 700		3.0	x	x					x	



B
inner
link

A
outer
link

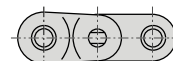
E
connecting
link with
spring clip

G
connecting
link with
single wire

S
connecting
link with
cotter pin



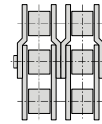
L
cranked
link with
cotter pin



C
double
cranked link

Roller chains with straight plates

High Performance from Rexnord.



Duplex roller chains



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- Highly versatile, also suitable for aggressive environments



Improved Wear Resistance

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- Long working life
- High operating reliability



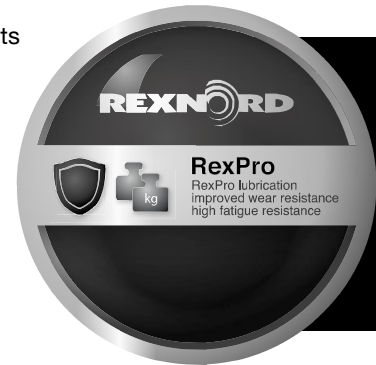
High Fatigue Resistance

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



Eco friendly

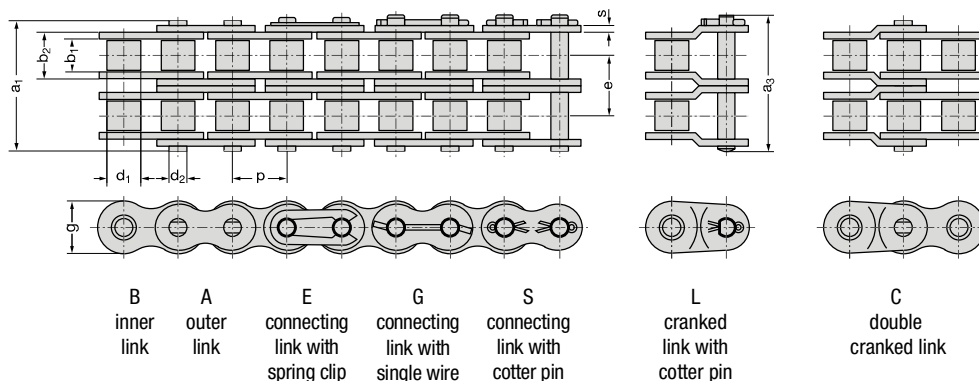
- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001



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

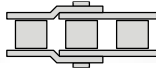
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	p		b ₁ min	d ₁ max	d ₂ max	b ₂ max	g		a ₁ max	a ₃ max	A	F _U	F _B	q								
	Inch	mm	mm	mm	mm	mm	mm		mm	mm	cm ²	N	N	kg/m	A	B	C	E	G	L	S	
06 B - 2 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.1	10.24	23.1	26.0	0.56	16 000		0.8	x	x		x		x		
10 B - 2 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.9	16.59	35.5	38.6	1.34	44 500		1.9	x	x		x		x		
12 B - 2 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	44.4	1.79	57 800		2.6	x	x		x		x		
16 B - 2 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.3	31.88	67.4	74.0	4.21	106 000		5.8	x	x		x		x		



Overview Rexnord roller chains

Roller Chains



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

- Maintenance-free
- Low noise
- Eco-friendly

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

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

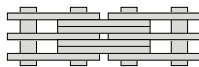
- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity

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

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

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

Leaf Chains



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

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

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

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