



High Performance from Rexnord

RexPro Roller chains | European type



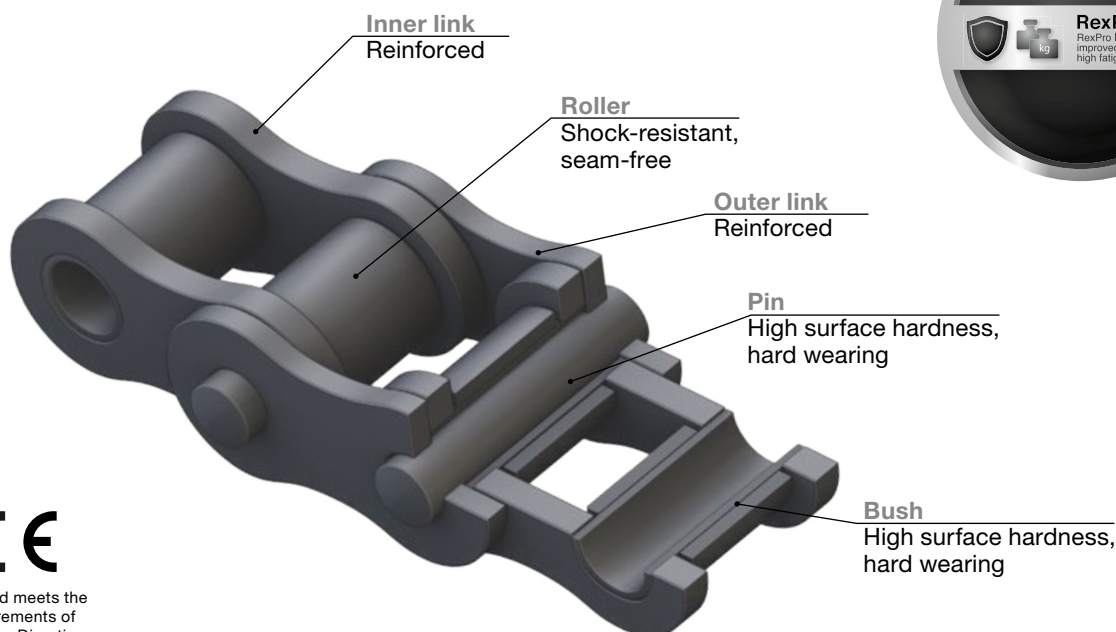


RexPro
RexPro lubrication
improved wear resistance
high fatigue resistance



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

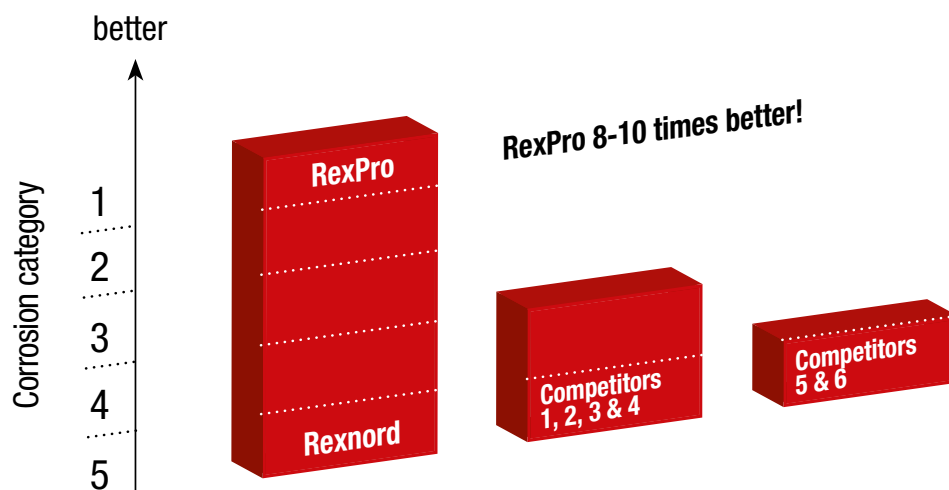
- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

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

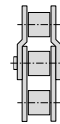
Salt spray test in accordance with DIN EN ISO 9227



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

Roller chains - European type

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Simplex roller chains



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High Fatigue Resistance

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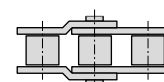
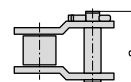
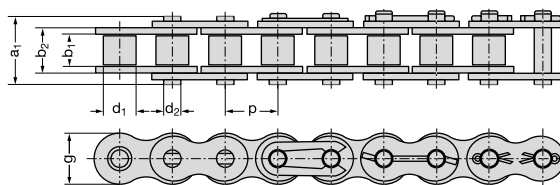
Eco friendly

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Simplex roller chains, DIN ISO 606 (DIN 8187)

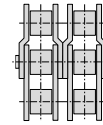
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Loose parts						
	p	b ₁ min	d ₁ max	d ₂ max	b ₂ max	g	a ₁ max	a ₃ max	A	F _U	F _B	q	A	B	C	E	L	S		
Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m						
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
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

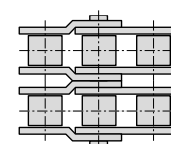
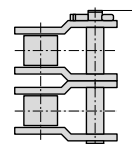
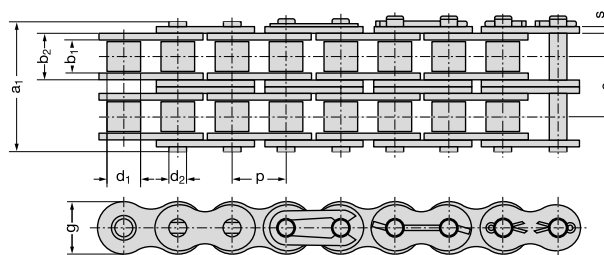
- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001



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

Duplex roller chains, DIN ISO 606 (DIN 8187)

Chain No.	Pitch p		Width between inner plates b ₁ min	Roller diameter d ₁ max	Pin diameter d ₂ max	Width over inner link b ₂ max	Plate depth g	Transverse pitch e	Pin length a ₁ max	Connecting pin length a ₃ max	Bearing area A	Required minimum tensile strength DIN/ISO F _U	Average tensile strength F _B	Weight q	Loose parts					
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m	A	B	C	E	L	S
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

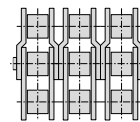
cranked link with cotter pin

C

double cranked link

Roller chains - European type

High Performance from Rexnord.



Triplex roller chains



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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

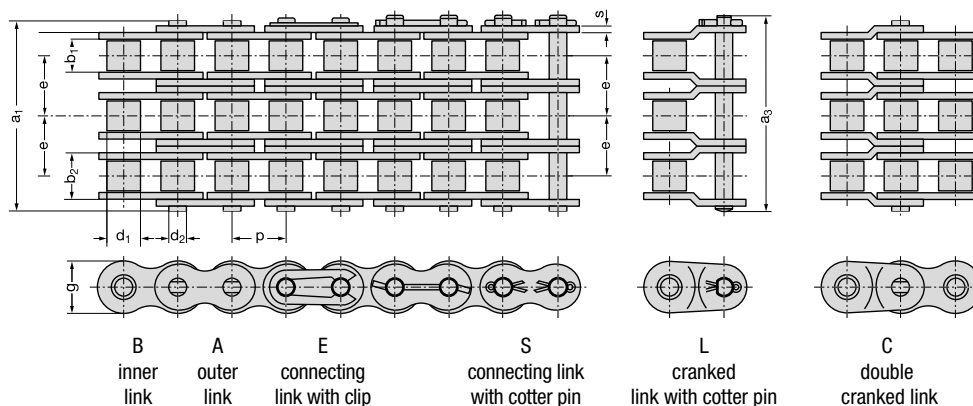


Eco friendly

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- Environmental management system conforms to DIN EN ISO 14001

Triplex roller chains, DIN ISO 606 (DIN 8187)

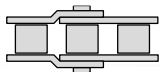
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Loose parts					
															b ₁ min	d ₁ max	d ₂ max	b ₂ max	g	e
	Inch	mm	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	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	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	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	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	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	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



- 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

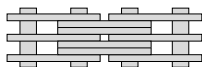
- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity

- 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