



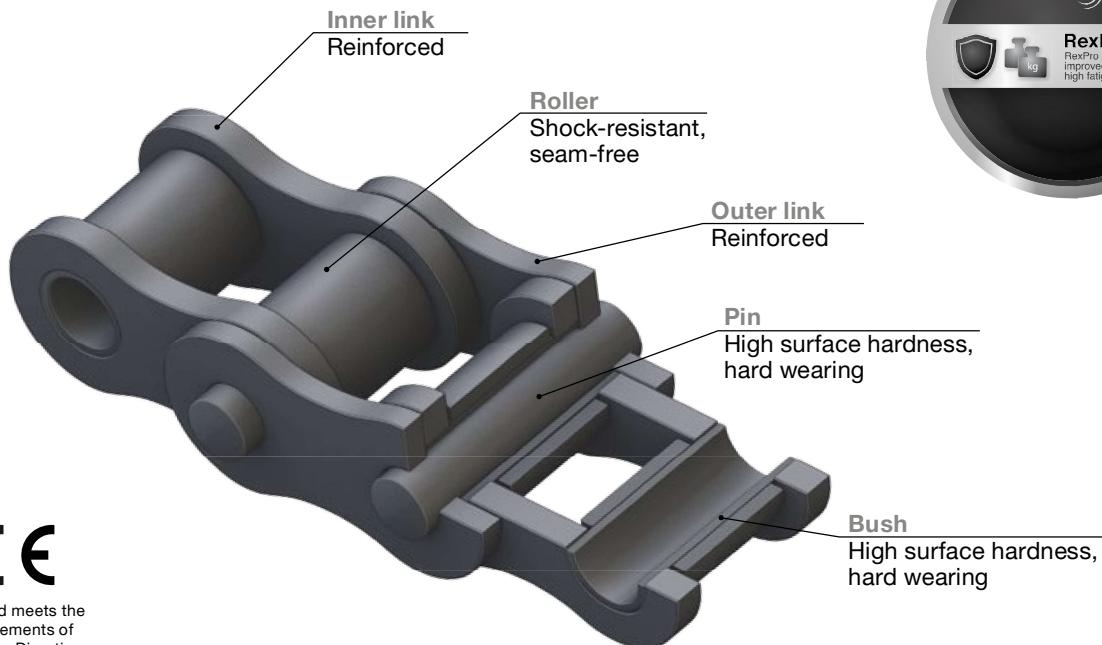
High Performance from Rexnord

Roller chains | American type



Roller chains - American 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

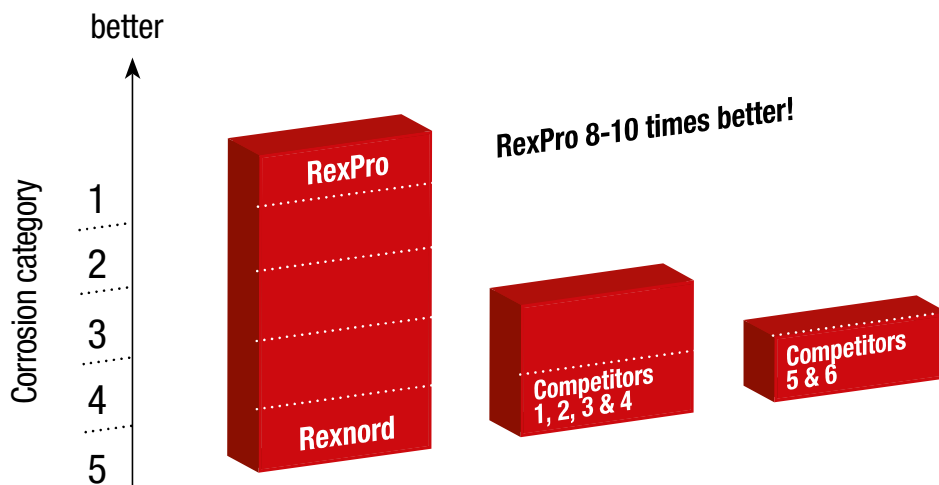
- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

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

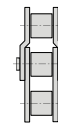
Salt spray test in accordance with DIN EN ISO 9227



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

Roller chains - American type

High Performance from Rexnord.



Simplex roller chains



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



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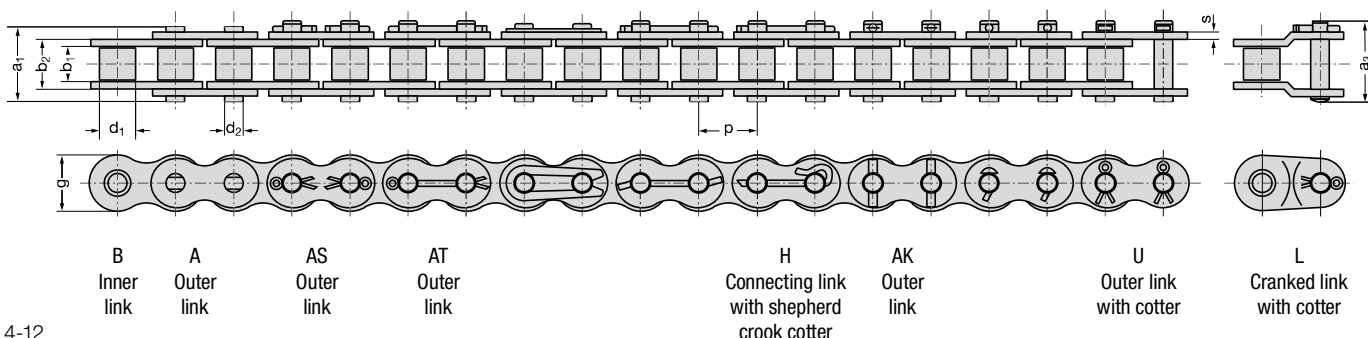


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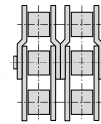
Simplex roller chains, DIN ISO 606 (DIN 8188)

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	Loose parts									
															p	b ₁ min	d ₁ max	d ₂ max	b ₂ max	g	e	a ₁ max	a ₃ max	A
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m									
40 - 1	0.50	12.7	7.85	7.95	3.96	11.15	11.6	—	16.3	21.7	0.44	13 900	20 000	0.7					x	x	x	x		
50 - 1	0.625	15.87	9.40	10.16	5.08	13.80	14.6	—	20.3	25.9	0.70	21 800	30 000	1.7	x				x	x	x	x		
60 - 1	0.75	19.05	12.57	11.91	5.94	17.70	17.7	—	25.7	31.5	1.05	31 300	40 000	1.5	x				x	x	x	x	x	
80 - 1	1.00	25.4	15.75	15.88	7.92	22.50	23.5	—	33.0	38.9	1.78	55 600	65 000	2.6	x				x	x	x	x	x	
100 - 1	1.25	31.75	18.90	19.05	9.53	27.40	29.2	—	39.4	44.9	2.61	87 000	105 000	3.8	x				x			x	x	
120 - 1	1.50	38.1	25.22	22.23	11.10	35.30	34.4	—	49.8	56.1	3.92	125 000	145 000	5.5	x				x			x	x	
140 - 1	1.75	44.45	25.22	25.40	12.70	37.00	40.8	—	53.4	59.3	4.70	170 000	220 000	7.2	x	x		x	x			x		x
160 - 1	2.00	50.8	31.55	28.58	14.27	45.00	47.8	—	63.6	68.9	6.42	223 000	260 000	10.3	x	x		x	x			x		x
180 - 1	2.25	57.15	35.48	35.71	17.46	50.85	50.0	—	71.3	80.0	8.87	281 000	360 000	14.0	x	x		x	x			x		x
200 - 1	2.50	63.5	37.85	39.68	19.84	54.70	60.0	—	78.0	87.5	10.8	347 000	400 000	16.8	x			x	x			x		x
240 - 1	3.00	76.2	47.35	47.63	23.80	67.50	70.0	—	94.8	106.7	16.1	500 000	585 000	25.0	x		x		x			x		x



Roller chains - American type

High Performance from Rexnord.



Duplex roller chains



Excellent Corrosion Protection

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Improved Wear Resistance

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



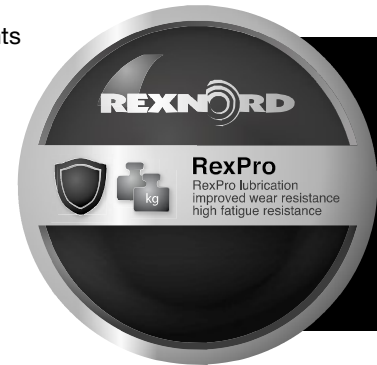
High Fatigue Resistance

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



Eco friendly

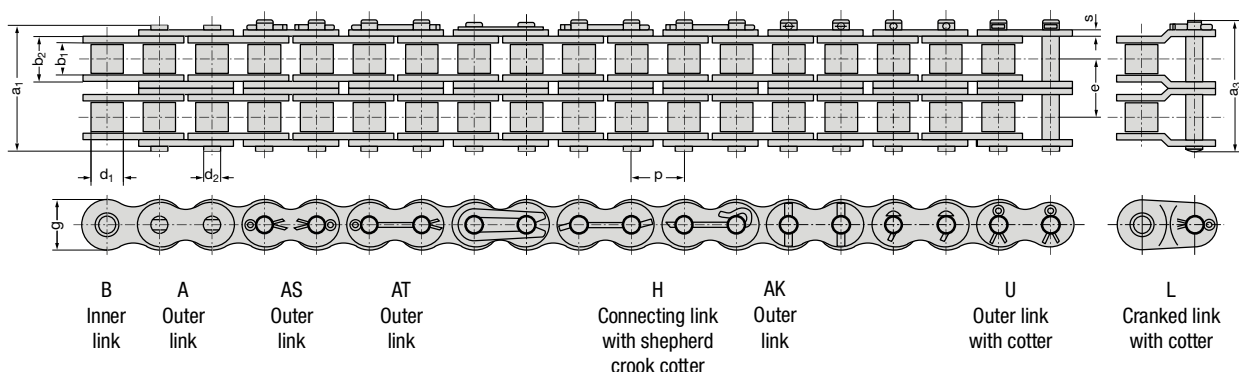
- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001



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

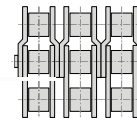
Duplex roller chains, DIN ISO 606 (DIN 8188)

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	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	AK	AS	AT	B	C	E	L	S	U
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m										
40 - 2	0.50	12.7	7.85	7.95	3.96	11.15	11.6	14.38	30.7	36.2	0.88	27 800	40 000	1.2						x		x			
50 - 2	0.625	15.875	9.40	10.16	5.08	13.80	14.6	18.11	38.5	44.0	1.40	43 600	60 000	2.0						x	x	x			
60 - 2	0.75	19.05	12.57	11.91	5.94	17.70	17.7	22.78	48.5	54.4	2.10	62 600	80 000	2.9	x					x		x		x	
80 - 2	1.00	25.4	15.75	15.88	7.92	22.50	23.5	29.29	62.4	68.1	3.56	111 200	150 000	5.2	x					x				x	
100 - 2	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	75.3	87.8	5.22	174 000	220 000	7.6	x					x				x	
120 - 2	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	95.3	101.6	7.84	250 000	290 000	10.8	x					x				x	
140 - 2	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	103.3	109.6	9.40	340 000	440 000	14.2	x	x				x					x
160 - 2	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	122.1	130.1	12.8	446 000	490 000	19.5	x	x				x					x
180 - 2	2.25	57.15	35.48	35.71	17.46	50.85	50.0	65.84	136.7	145.4	17.7	562 000	680 000	27.0	x	x				x					x
200 - 2	2.50	63.5	37.85	39.68	19.84	54.70	60.0	71.55	149.6	159.2	21.7	649 000	800 000	32.7	x					x	x				x
240 - 2	3.00	76.2	47.35	47.63	23.80	67.50	70.0	87.83	182.7	194.7	32.1	1 000 000	1 170 000	49.4	x		x			x					x



Roller chains - American type

High Performance from Rexnord.



Triplex roller chains



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



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High Fatigue Resistance

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

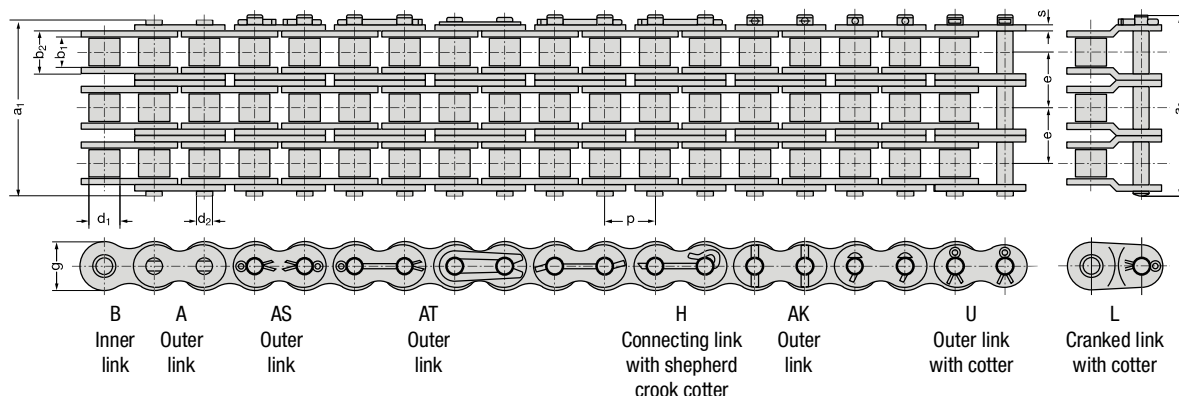


Eco friendly

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

Triplex roller chains, DIN ISO 606 (DIN 8188)

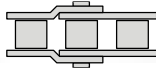
Chain No.	Pitch		Width between inner plates		Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Loose parts									
	p		b ₁ min		d ₁ max	d ₂ max	b ₂ max	g	e	a ₁ max	a ₃ max	A	F _U	F _B	q	A	AK	AS	AT	B	C	E	L	S	U
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m										
40 - 3	0.50	12.7	7.85	7.95	3.96	11.15	11.6	14.48	45.1	50.6	1.32	41 700	60 000	1.8						x		x	x		
50 - 3	0.625	15.87	9.40	10.16	5.08	13.80	14.6	18.11	56.7	62.0	2.10	65 400	90 000	3.0	x					x		x	x		
60 - 3	0.75	19.05	12.57	11.91	5.94	17.70	17.7	22.78	71.4	77.2	3.15	93 900	120 000	4.3	x					x		x	x	x	
80 - 3	1.00	25.4	15.75	15.88	7.92	22.50	23.5	29.29	91.7	97.3	5.35	166 800	220 000	7.9	x					x			x	x	
100 - 3	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	111.1	117.2	7.83	261 000	300 000	11.4	x					x			x	x	
120 - 3	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	140.7	148.3	11.8	375 000	450 000	15.8	x					x			x	x	
140 - 3	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	151.2	158.5	14.1	510 000	660 000	21.5	x	x				x			x		x
160 - 3	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	180.7	188.7	19.3	669 000	790 000	26.3	x	x				x			x		x
180 - 3	2.25	57.15	35.48	35.71	17.46	50.85	50.0	65.84	202.0	210.7	26.6	843 000	1 020 000	40.5	x	x				x			x		x
200 - 3	2.50	63.5	37.85	39.68	19.84	54.70	60.0	71.55	221.1	230.7	32.6	1 041 000	1 200 000	48.8	x					x	x		x		x
240 - 3	3.00	76.2	47.35	47.63	23.80	67.50	70.0	87.83	270.6	282.5	48.2	1 500 000	1 930 000	74.1	x		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

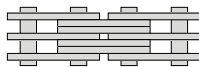
- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity

- 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