REXNORD

OUR INNOVATION MOVES

Rexnord High Performance Roller Chain Catalog

Metric

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Rexnord RexPro

High Performance Roller Chain – The Standard for High-Quality Chains



Introduction to Rexnord High-Performance Products

Rexnord RexPro® Roller Chain is the standard for quality chains. It can be used in challenging and difficult ambient conditions, exhibiting outstanding performance at the same time.

- RexPro Roller Chain – European & American Standard page 4
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* For prices, leadtimes and mimimum order quantities please consult our current price book or contact Rexnord.

Rexnord RexPro Roller Chains offer the following advantages:

- High fatigue strength
- High reliability
- Long service life
- Low overall lifetime cost
- Low maintenance cost
- Worldwide availability

Industries Served:
Automotive
Food & Beverage
Agriculture
Construction
Logistics & Transportation
Material Handling
Wood Industry

Rexnord RexPro Roller Chain – European & American Standard

High Performance

Rexnord RexPro Roller Chain is the standard for quality chains. The combination of selected steels, optimized manufacturing and Rexnord RexPro Lubrication results in outstanding product characteristics. This chain is available in European (**pages 6 to 8**) and American (**pages 9 to 11**) standard.

Superior corrosion protection

Rexnord RexPro Roller Chain has a very good corrosion protection compared to the best competitor for European and Asian quality roller chains, tested according to the Salt-Spray Test DIN EN ISO 9227 NSS. This results in an improved protection against stiff chain links, and a longer service life.

Improved wear resistence

The Rexnord RexPro High Performance Roller Chain has an improved protection against wear. The excellent protection through Rexnord RexPro Lubrication ensures a long service life and high operating reliability.

No heavy metals

The lubricant for the Rexnord RexPro Chain does not contain any heavy metals, Teflon or silicone and therefore offers a wide range of applications.

Features

- High fatigue resistance and improved wear resistance
- Superior corrosion protection
- Environmental friendly
- Manufactured from high-performance materials
- Calibrated plate holes
- Seamless rollers
- Shot-peened components
- Delivered adjusted and free of twist on request

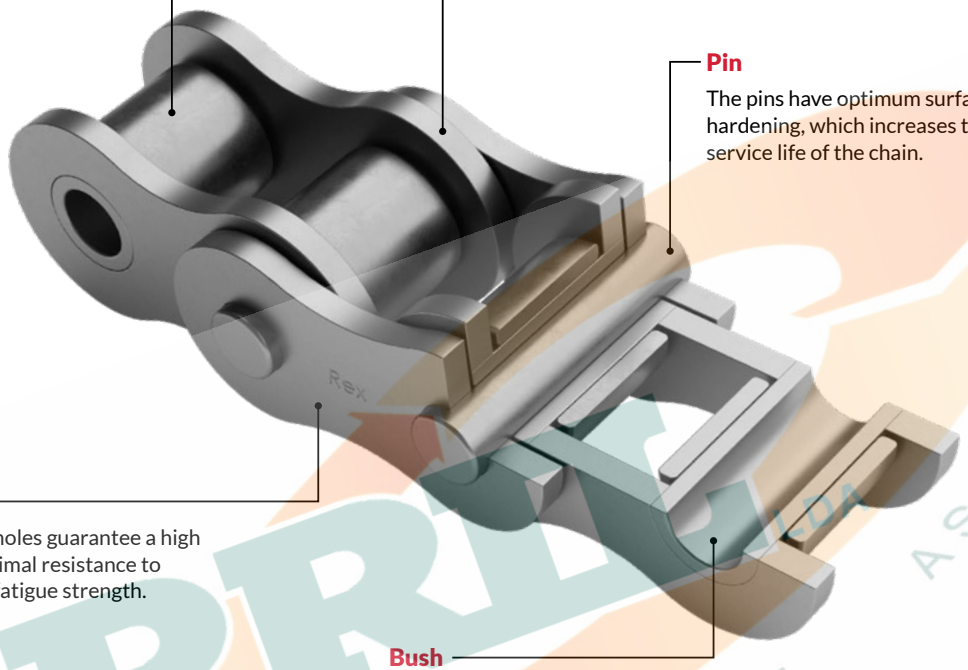
Advantages

- Minimal pre-running elongation
- Long service life
- High impact resistance
- Robust under tough conditions
- Maximum operating reliability
- Improved profitability

Lubrication

- Improved protection with Rexnord RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 permit)

Rexnord RexPro Roller Chain



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee optimal fatigue strength and longevity.

Inner plate

Calibrated plate holes guarantee a high contact ratio, optimal resistance to torsion and high fatigue strength.

Pin

The pins have optimum surface hardening, which increases the service life of the chain.

Outer plate

Calibrated plate holes guarantee a high contact ratio, optimal resistance to torsion and high fatigue strength.

Bush

The bushes have optimum surface hardening, which increases the service life of the chain.

Loading capacity

- Calibrated plate holes
- Shot-peened chain components, seamless rollers
- High pre-loading

Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments

Wear resistance

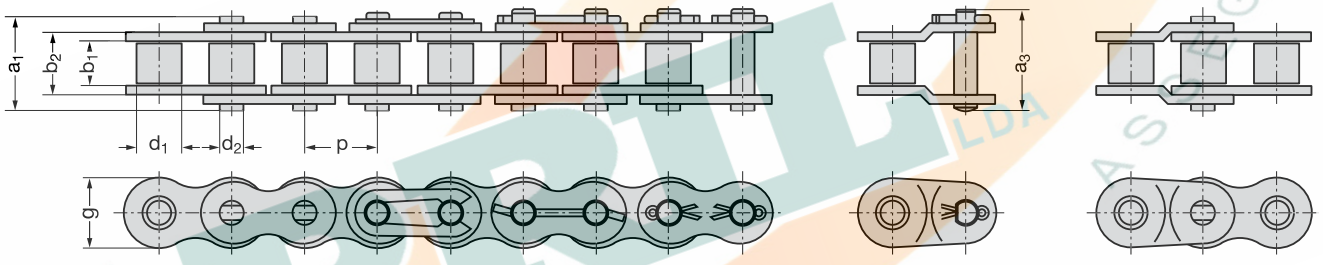
- High protection through Rexnord RexPro Lubrication
- Long service life
- High operating reliability
- Excellent wear resistance through heat treatment of the wear parts

Eco-friendly

- Use of Rexnord RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environmental management system conforms to DIN EN ISO 14001

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

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
06 B - 1	0.375	9.525	5.72	6.35	3.28	8.53	8.2	–	13.5	16.8	0.28	8 900	9 000	0.4	x		x	x	x	
081 - 1	0.50	12.7	3.30	7.75	3.66	5.80	9.9	–	10.2	11.7	0.21	8 000	8 200	0.3	x		x	x		
083 - 1	0.50	12.7	4.88	7.75	4.09	7.90	10.3	–	12.9	14.4	0.32	11 600	12 000	0.4			x	x	x	
084 - 1	0.50	12.7	4.88	7.75	4.09	8.80	11.1	–	14.8	16.3	0.36	15 600	16 000	0.6				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	18 000	0.7	x	x	x	x	x	
10 B - 1	0.625	15.875	9.65	10.16	5.08	13.28	14.6	–	19.6	23.7	0.67	22 200	22 400	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	29 000	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	41.5	2.10	60 000	71 000	2.7	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	112 000	3.8	x	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	198 000	7.0	x	x	x		x	x
28 B - 1	1.75	44.45	30.99	27.97	15.90	46.50	37.0	–	63.3	72.8	7.39	200 000	200 000	8.9	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	300 000	9.9	x	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	12.75	355 000	355 000	15.4	x	x			x	x
48 B - 1	3.00	76.2	45.72	48.26	29.24	70.50	65.0	–	98.5	124.0	20.61	560 000	560 000	26.2	x	x			x	x
56 B - 1	3.50	88.9	53.34	53.98	34.32	81.30	80.0	–	114.6	140.0	27.9	850 000	850 000	36.7	x	x				x
64 B - 1	4.00	101.6	60.96	63.50	39.40	92.00	93.0	–	130.0	143.0	36.25	1 120 000	1 120 000	49.0	x	x				x
72 B - 1	4.50	114.3	68.58	72.39	44.50	103.80	105.0	–	147.0	161.0	46.19	1 400 000	1 400 000	64.0	x	x				x



B inner link

A outer link

E connecting link with clip

S connecting link with cotter pin

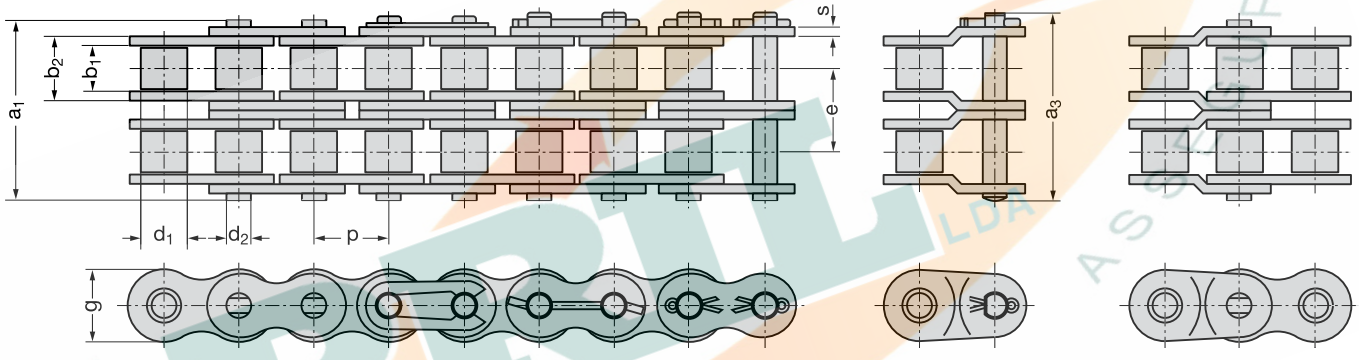
L cranked link with cotter pin

C double cranked link

European Standard – Rexnord RexPro Roller Chain ISO 606 / DIN 8187

Duplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
06 B - 2	0.375	9.525	5.72	6.35	3.28	8.53	8.2	10.24	23.8	27.1	0.56	16 900	16 900	0.8			x	x	x	
08 B - 2	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	31.0	34.9	1.01	31 100	32 000	1.4	x	x	x	x	x	
10 B - 2	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	36.2	40.3	1.35	44 500	44 500	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	42.2	46.8	1.79	57 800	57 800	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	68.0	73.4	4.21	106 000	124 000	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	196 000	7.5	x	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	122.7	11.09	280 000	346 000	13.7	x	x			x	x
28 B - 2	1.75	44.45	30.99	27.97	15.90	46.50	37.0	59.56	122.8	132.7	14.79	360 000	360 000	17.8	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	16.21	450 000	525 000	19.6	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	25.50	630 000	630 000	30.4	x	x			x	x
48 B - 2	3.00	76.2	45.72	48.26	29.24	70.50	65.0	91.21	189.7	215.2	41.23	1 000 000	1 000 000	51.9	x	x			x	x
56 B - 2	3.50	88.9	53.34	53.98	34.32	81.30	80.0	106.60	221.2	246.5	55.80	1 600 000	1 600 000	72.8	x	x				x
64 B - 2	4.00	101.6	60.96	63.50	39.40	92.00	93.0	119.89	250.0	263.0	72.50	2 000 000	2 000 000	97.0	x	x				x
72 B - 2	4.50	114.3	68.58	72.39	44.50	103.80	105.0	136.27	283.5	297.0	92.38	2 500 000	2 500 000	127.0	x	x				x



B
inner
link

A
outer
link

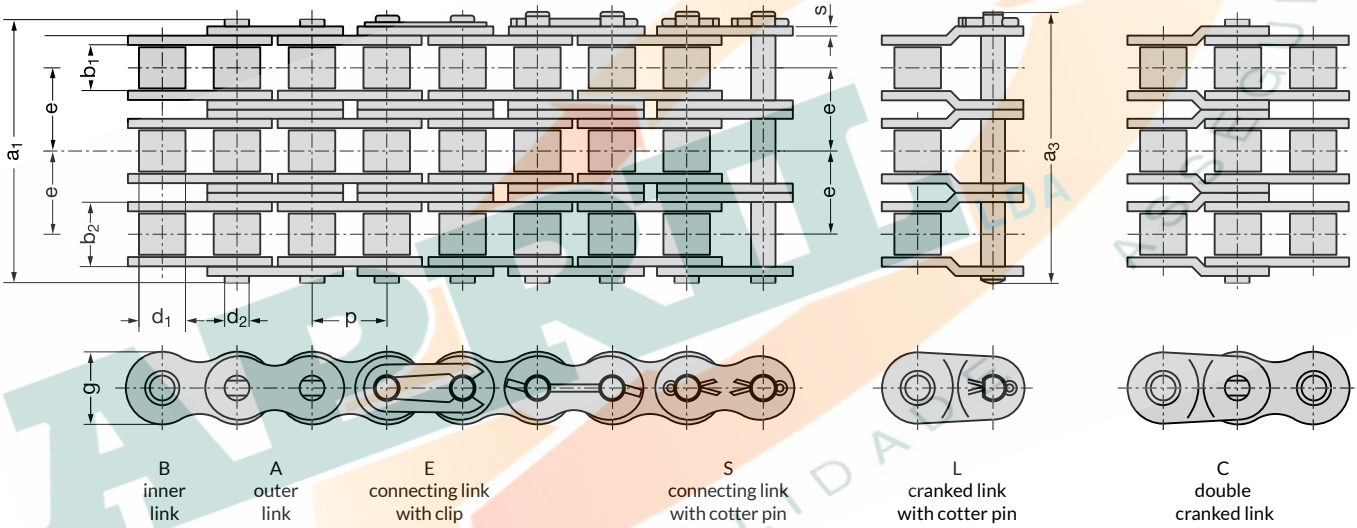
E
connecting link
with clip

S
connecting link
with cotter pin

L
cranked link
with cotter pin

C
double
cranked link

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 ISO 606	Rexnord minimum 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	cm²	N	N	kg/m						
06 B - 3	0.375	9.525	5.72	6.35	3.28	8.53	8.2	10.24	34.0	37.3	0.84	24 900	24 900	1.2				x	x	
08 B - 3	0.500	12.7	7.75	8.51	4.45	11.30	11.6	13.92	44.9	48.8	1.51	44 500	47 500	2.1	x	x	x	x	x	
10 B - 3	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	52.8	56.9	2.02	66 700	66 700	2.7	x	x	x	x	x	
12 B - 3	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	61.7	66.3	2.68	86 700	86 700	3.7		x	x	x	x	
16 B - 3	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	99.9	105.3	6.31	160 000	190 000	7.9	x	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	300 000	11.2	x	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	16.63	425 000	525 000	20.4	x	x			x	x
28 B - 3	1.75	44.45	30.99	27.97	15.90	46.50	37.0	59.56	182.3	192.2	22.18	530 000	530 000	26.7	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	24.31	670 000	795 000	29.3	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	38.25	950 000	950 000	45.5	x	x			x	x
48 B - 3	3.00	76.2	45.72	48.26	29.24	70.50	65.0	91.21	281.0	306.5	61.84	1 500 000	1 500000	77.6	x	x			x	x
56 B - 3	3.50	88.9	53.34	53.98	34.32	81.30	80.0	106.60	327.8	353.2	83.71	2 240 000	2 240 000	108.8	x	x				x
64 B - 3	4.00	101.6	60.96	63.50	39.40	92.00	93.0	119.89	370.0	383.0	108.74	3 000 000	3 000 000	145.0	x	x				x
72 B - 3	4.50	114.3	68.58	72.39	44.50	103.80	105.0	136.27	420.0	433.0	138.57	3 750 000	3 750 000	190.0	x	x				x



B inner link

A outer link

E connecting link with clip

S connecting link with cotter pin

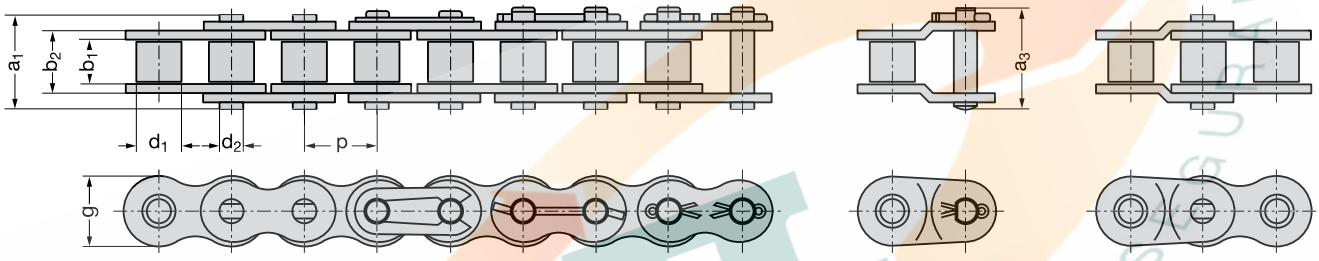
L cranked link with cotter pin

C double cranked link

American Standard – Rexnord RexPro Roller Chain ISO 606 / DIN 8188

Simplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
40 - 1	0.50	12.7	7.85	7.92	3.96	11.15	11.6	–	17.8	21.7	0.44	13 900	16 700	0.6	x		x	x	x	
50 - 1	0.625	15.875	9.40	10.16	5.08	13.80	14.6	–	21.8	25.9	0.70	21 800	25 000	1.0	x	x	x	x	x	
60 - 1	0.75	19.05	12.57	11.91	5.94	17.70	17.8	–	26.9	31.5	1.05	31 300	37 500	1.5	x	x	x	x	x	
80 - 1	1.00	25.4	15.75	15.88	7.92	22.50	23.6	–	33.5	38.9	1.78	55 600	62 500	2.6	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	91 500	4.0	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	127 000	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	184 000	7.5	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	226 800	10.2	x	x			x	x
180 - 1	2.25	57.15	35.48	35.71	17.46	50.50	54.0	–	71.3	80.0	8.82	281 000	282 000	13.7	x	x			x	x
200 - 1	2.50	63.5	37.85	39.68	19.84	54.70	59.5	–	78.0	87.5	10.85	347 000	353 800	16.8	x	x			x	x
240 - 1	3.00	76.2	47.35	47.63	23.80	67.50	70.0	–	94.8	106.7	16.07	500 000	510 300	24.3	x	x			x	x



B
inner
link

A
outer
link

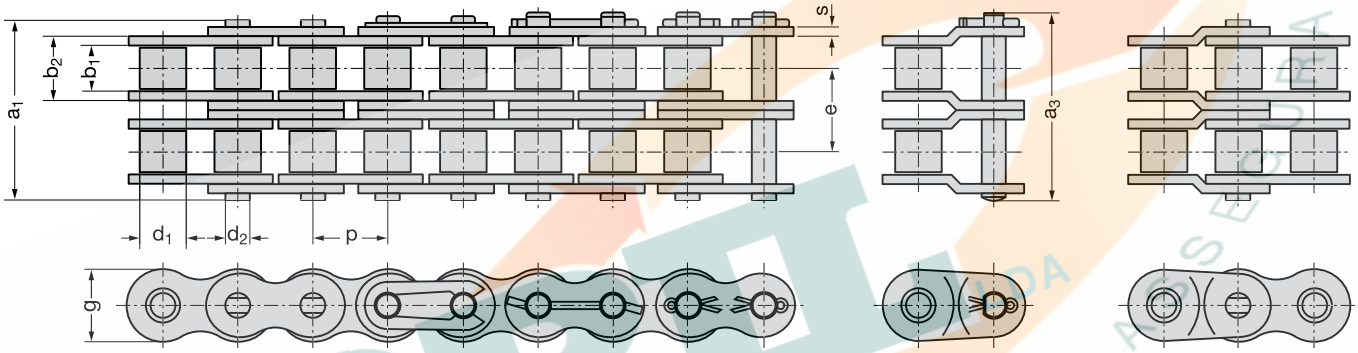
E
connecting link
with clip

S
connecting link
with cotter pin

L
cranked link
with cotter pin

C
double
cranked link

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
40 - 2	0.50	12.7	7.85	7.92	3.96	11.15	11.6	14.38	32.3	36.2	0.88	27 800	33 400	1.2			x	x	x	
50 - 2	0.625	15.875	9.40	10.16	5.08	13.80	14.6	18.11	39.9	44.0	1.40	43 600	50 000	2.0			x	x	x	
60 - 2	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	49.8	54.4	2.10	62 600	75 000	3.0	x	x	x	x	x	
80 - 2	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	62.7	68.1	3.56	111 200	125 000	5.2	x	x	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	183 000	8.0	x	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	254 000	11.0	x	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	368 000	14.9	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	12.84	446 000	453 600	20.2	x	x			x	x
180 - 2	2.25	57.15	35.48	35.71	17.46	50.50	54.0	65.84	136.7	145.4	17.63	562 000	564 000	27.2	x	x			x	x
200 - 2	2.50	63.5	37.85	39.68	19.84	54.70	59.5	71.55	149.6	159.2	21.70	649 000	707 600	33.4	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	32.13	1 000 000	1 020 600	48.2	x	x			x	x



B inner link

A outer link

E connecting link with clip

S connecting link with cotter pin

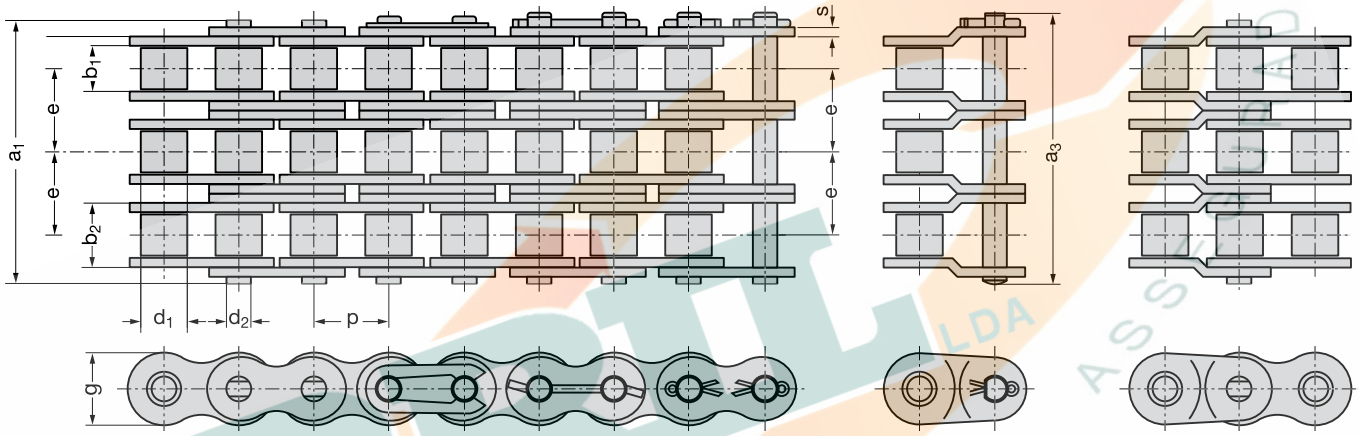
L cranked link with cotter pin

C double cranked link

American Standard – Rexnord RexPro Roller Chain ISO 606 / DIN 8188

Triplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
50 - 3	0.625	15.875	9.40	10.16	5.08	13.80	14.6	18.11	57.9	62.0	2.10	65 400	75 000	3.0			x	x	x	
60 - 3	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	72.6	77.2	3.15	93 900	112 500	4.5	x	x	x	x	x	
80 - 3	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	91.9	97.3	5.35	166 800	187 500	7.8	x	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	274 500	12.0	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	11.75	375 000	381 000	16.5	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	14.10	510 000	552 000	22.3	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	19.26	669 000	680 400	30.3	x	x			x	x
180 - 3	2.25	57.15	35.48	35.71	17.46	50.50	54.0	65.84	202.0	210.7	26.45	843 000	846 000	40.9	x	x			x	x
200 - 3	2.50	63.5	37.85	39.68	19.84	54.70	59.5	71.55	221.0	230.7	32.56	1 041 000	1 061 400	50.0	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	48.20	1 500 000	1 530 900	72.0	x	x			x	x



B
inner
link

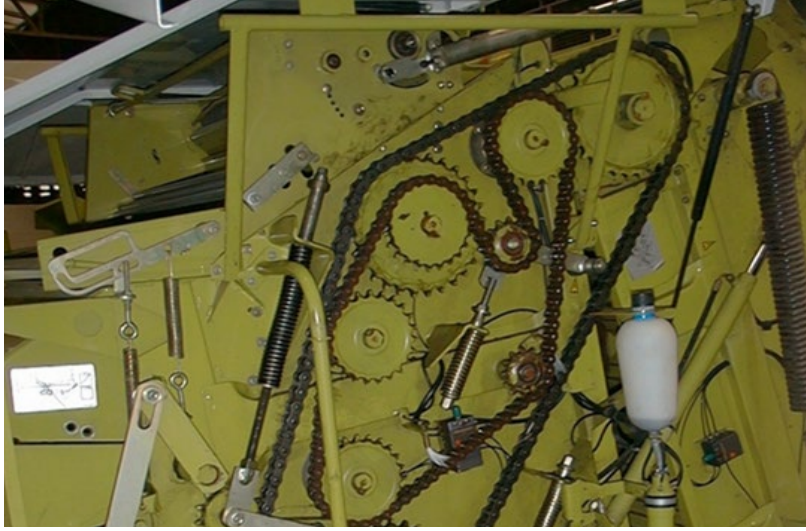
A
outer
link

E
connecting link
with clip

S
connecting link
with cotter pin

L
cranked link
with cotter pin

C
double
cranked link



Industries Served:
Road construction
Energy
Agriculture
Mining & Metals
Cement & Aggregate

Rexnord RexPro Roller Chain – H-Series American Standard

High Performance

Alterations in the design of the standard chain give the Rexnord RexPro H-Series Roller Chain high fatigue strength for ambitious applications.

Strengthened link plates

The thickness of the link plates of the Rexnord RexPro H-Series corresponds to the plates of the particular chain design with the next-larger chain pitch. This makes it a very robust chain even under the toughest conditions.

High fatigue strength

Rexnord Roller Chains in the H (heavy) series exhibit a fatigue strength that is up to 40% higher. This allows a correspondingly higher operating load. This makes it the ideal chain for high-performance power transmission.

Enlarged bearing area

Thanks to the enlarged bearing area the loading capacity of the chain is increased.

Features

- Strengthened RexPro-quality roller chain
- Enlarged bearing area
- The higher fatigue strength results in greater safety against fatigue failure
- The simple H-Series roller chains can be used on the chain wheels of the roller chains in the American design. In the case of multiple roller chains attention should be paid to the central length "e".

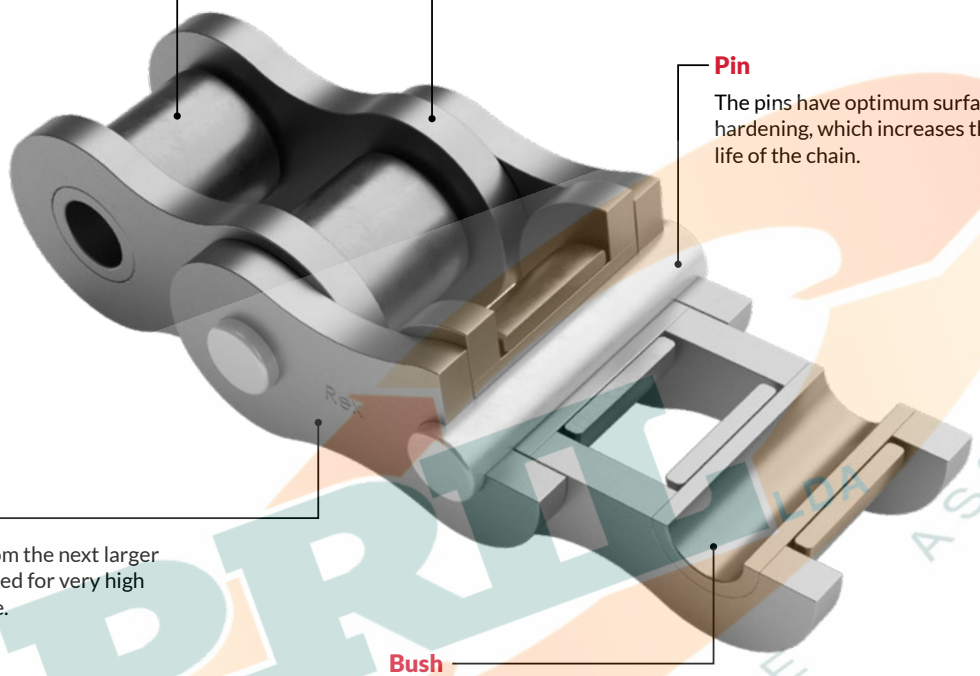
Advantages

- Ideal for high-performance power transmission
- High impact resistance
- Robust under the toughest conditions

Lubrication

- Improved protection with Rexnord RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 permit)

Rexnord RexPro Roller Chain – H-Series American Standard



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high fatigue strength and longevity.

Inner plate

Thicker plates from the next larger pitch chain are used for very high fatigue resistance.

Pin

The pins have optimum surface hardening, which increases the service life of the chain.

Outer plate

Thicker plates from the next larger pitch chain are used for very high fatigue resistance.

Bush

The bushes have optimum surface hardening, which extends the service life of the chain.

Loading capacity

- High loading capacity
- Especially suited for heavy-duty drives and lifting purposes
- Shot-peened chain components, seamless rollers

Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments

Wear resistance

- Comprehensive protection from
- Rexnord RexPro Lubrication
- Long service life
- High operational reliability
- Excellent resistance to wear due to heat treatment and enlarged bearing area of parts subject to wear

Eco-friendly

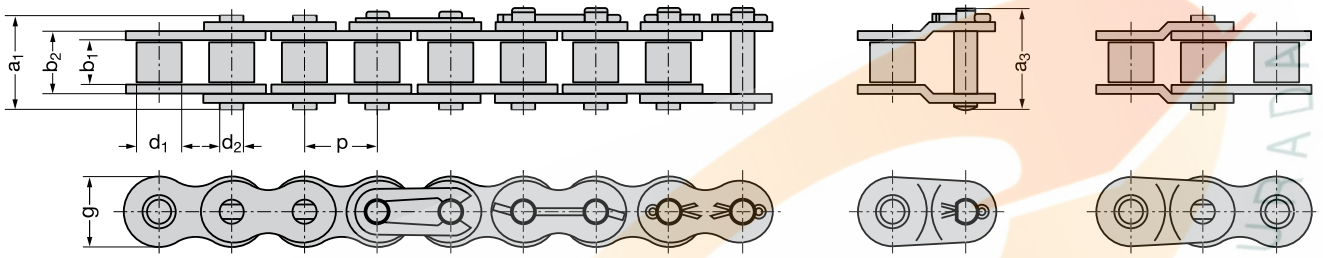
- Use of Rexnord RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environmental management system conforms to DIN EN ISO 14001

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

H-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Simplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	N	kg/m	A	B	C	E	L	S
50 H - 1	0.625	15.875	9.40	10.16	5.08	14.60	14.6	–	23.4	27.5	0.74	21 800	27 000	1.1	x	x		x	x	
60 H - 1	0.75	19.05	12.57	11.91	5.94	19.35	17.8	–	28.8	32.0	1.15	31 300	37 500	1.8	x	x		x	x	x
80 H - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.6	–	35.9	41.0	1.92	55 600	66 500	3.1	x	x		x	x	x
100 H - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	–	42.8	48.2	2.76	87 000	96 000	4.5	x	x			x	x
120 H - 1	1.50	38.1	25.22	22.23	11.10	37.00	34.4	–	53.0	59.0	4.11	125 000	127 000	6.2	x	x			x	x
140 H - 1	1.75	44.45	25.22	25.40	12.70	38.70	40.8	–	56.6	62.6	4.91	170 000	172 400	8.1	x	x			x	x
160 H - 1	2.00	50.8	31.55	28.58	14.27	46.90	47.8	–	67.2	72.3	6.69	223 000	226 800	10.9	x	x			x	x
200 H - 1	2.50	63.5	37.85	39.68	19.84	57.60	59.5	–	84.0	93.5	11.43	347 000	350 000	18.9	x	x				x

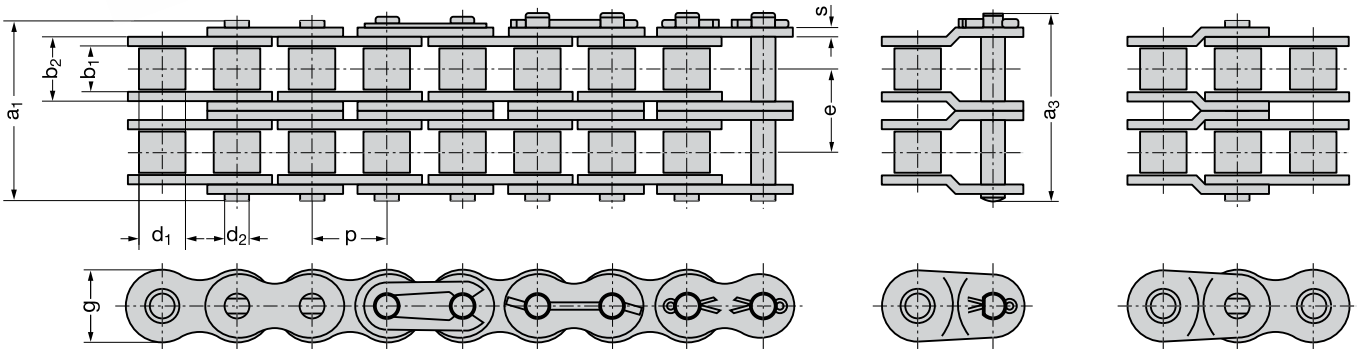


B inner link | A outer link | E connecting link with clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

H-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Duplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	N	kg/m	A	B	C	E	L	S
60 H - 2	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	54.9	58.0	2.30	62 600	75 000	3.6	x	x				
80 H - 2	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	68.6	73.7	3.85	111 200	133 000	6.2	x	x				
100 H - 2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	174 000	192 000	9.0	x	x			x	x
120 H - 2	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	101.8	109.5	8.21	250 000	254 000	12.3	x	x			x	x
140 H - 2	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	108.7	116.0	9.83	340 000	344 800	16.2	x	x			x	x
160 H - 2	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	128.6	136.8	13.39	446 000	453 600	21.8	x	x			x	x
200 H - 2	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	161.6	171.2	22.86	694 000	700 000	37.4	x	x				x

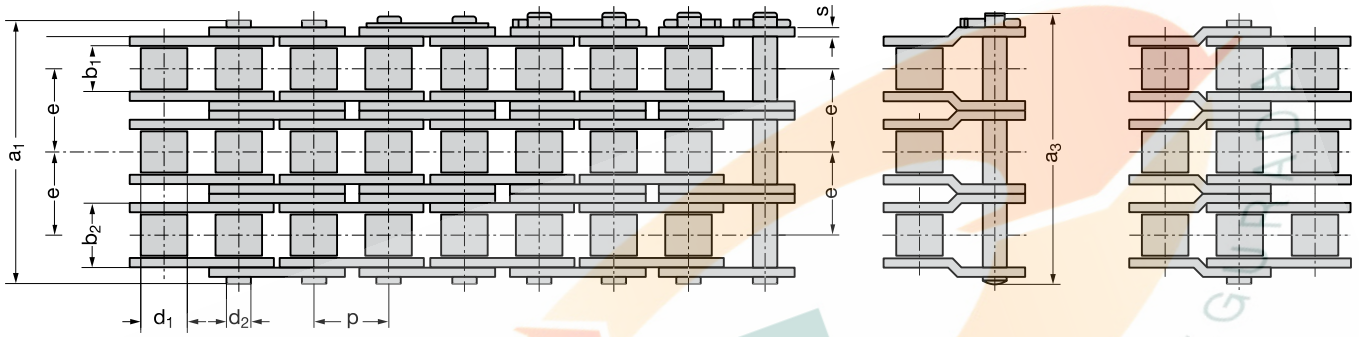


B inner link | A outer link | E connecting link with clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

H-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Triplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
60 H - 3	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	81.1	84.4	3.45	93 900	112 500	5.4	x	x				
80 H - 3	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	101.3	106.3	5.77	166 800	200 000	9.3	x	x				
100 H - 3	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	120.0	126.6	8.29	261 000	288 000	13.4	x	x			x	x
120 H - 3	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	150.8	158.7	12.32	375 000	381 000	18.4	x	x			x	x
140 H - 3	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	160.9	168.3	14.74	510 000	517 200	24.2	x	x			x	x
160 H - 3	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	190.6	198.7	20.08	669 000	680 400	32.7	x	x			x	x
200 H - 3	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	239.1	248.7	34.28	1 041 000	1 050 000	56.1	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

Industries Served:
Road construction
Energy
Agriculture
Mining & Metals
Cement & Aggregate

Rexnord RexPro Roller Chain – HE-Series American Standard

High Performance

In designing the HE-Series, Rexnord not only uses the thicker link plates of the H-Series, but also pins made of fully hardened material. The result is an extremely durable chain with high tensile strength and very good impact resistance.

Higher fatigue strength

Rexnord RexPro Roller Chain of the HE-Series uses thicker link plates (as thick as the next-larger-sized standard chain), giving it a load-bearing capacity that is up to 40% higher than in the standard series.

High-strength pins

The pins are made of high-strength material. They are fully hardened and their higher shear and tensile strength improve the breaking force and the shock resistance of the chain immensely.

Extremely shock-resistant

The combination of thicker plates and high-strength pins makes this chain especially suitable for tough applications with high-impact loads.

Features

- Fulfills the stringent demands set by the excellent RexPro standards
- Enlarged bearing area
- Higher tensile strength
- Up to 40% higher load-bearing capacity and performance than the standard series

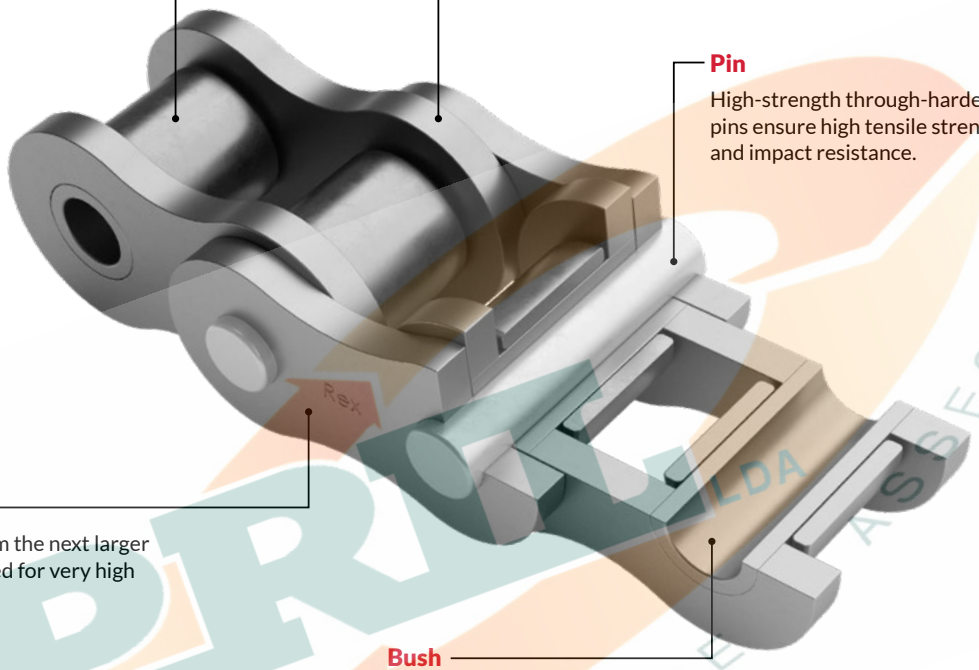
Advantages

- Ideal for high-performance power transmission
- Very high impact resistance
- Very robust under the toughest conditions
- In the majority of roller chains, induction-hardened pins can increase the resistance to wear

Lubrication

- Improved protection with Rexnord RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 permit)

Rexnord RexPro Roller Chain – HE-Series American Standard



Loading capacity

- High loading capacity
- Especially suited for heavy-duty drives and lifting purposes
- High impact resistance
- Highest breaking strength

Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments

Wear resistance

- Comprehensive protection through Rexnord RexPro Lubrication
- Long service life
- High operational reliability
- Good resistance to wear due to heat treatment and enlarged bearing area of parts subject to wear

Eco-friendly

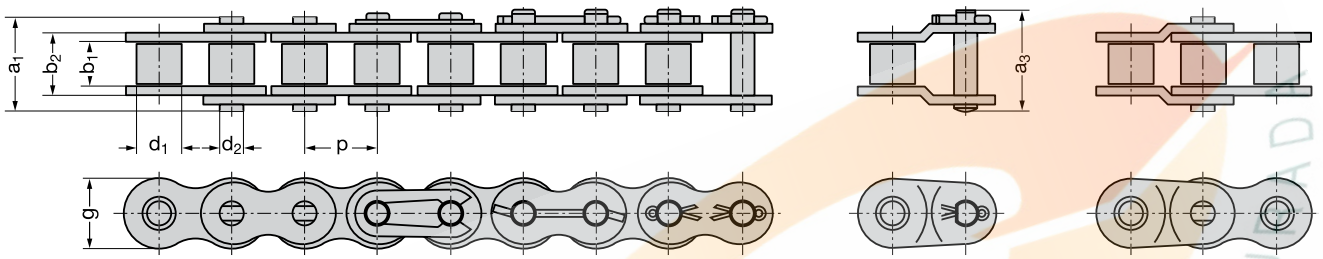
- Use of Rexnord RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environmental management system conforms to DIN EN ISO 14001

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

HE-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Simplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
60 HE - 1	0.75	19.05	12.57	11.91	5.94	19.35	17.8	–	28.8	32.0	1.15	41 500	47 000	1.8	x	x			x	x
80 HE - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.6	–	35.9	41.0	1.92	69 200	80 000	3.1	x	x		x	x	x
100 HE - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	–	42.8	48.2	2.76	104 000	115 000	4.5	x	x			x	x
120 HE - 1	1.50	38.1	25.22	22.23	11.10	37.00	34.4	–	53.0	59.0	4.11	146 000	167 000	6.2	x	x			x	x
140 HE - 1	1.75	44.45	25.22	25.40	12.70	38.70	40.8	–	56.6	62.6	4.91	194 000	209 000	8.1	x	x			x	x
160 HE - 1	2.00	50.8	31.55	28.58	14.27	46.90	47.8	–	67.2	72.3	6.69	250 000	271 000	10.9	x	x			x	x
200 HE - 1	2.50	63.5	37.85	39.68	19.84	57.60	59.5	–	84.0	93.5	11.43	416 000	416 000	18.9	x	x			x	x

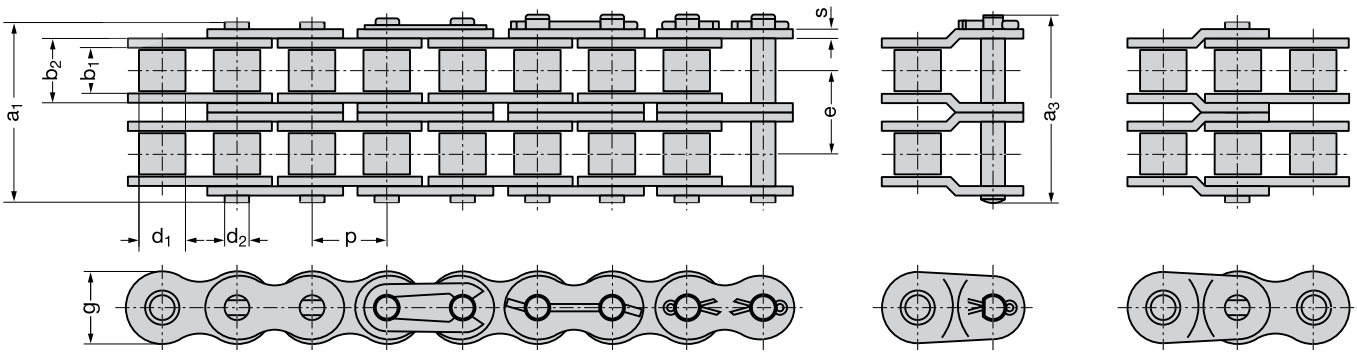


B inner link | A outer link | E connecting link with clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

HE-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Duplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
60 HE - 2	0.75	19.05	12.75	11.91	5.94	19.35	17.8	26.11	54.9	58.0	2.30	83 000	93 000	3.6	x	x				x
80 HE - 2	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	68.6	73.7	3.85	138 400	160 000	6.2	x	x				x
100 HE - 2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	208 000	230 000	9.0	x	x			x	x
120 HE - 2	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	101.8	109.5	8.21	292 000	334 000	12.3	x	x			x	x
140 HE - 2	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	108.7	116.0	9.83	388 000	418 000	16.2	x	x			x	x
160 HE - 2	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	128.6	136.8	13.39	500 000	542 000	21.8	x	x			x	x
200 HE - 2	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	161.6	171.2	22.86	832 000	832 000	37.4	x	x			x	x

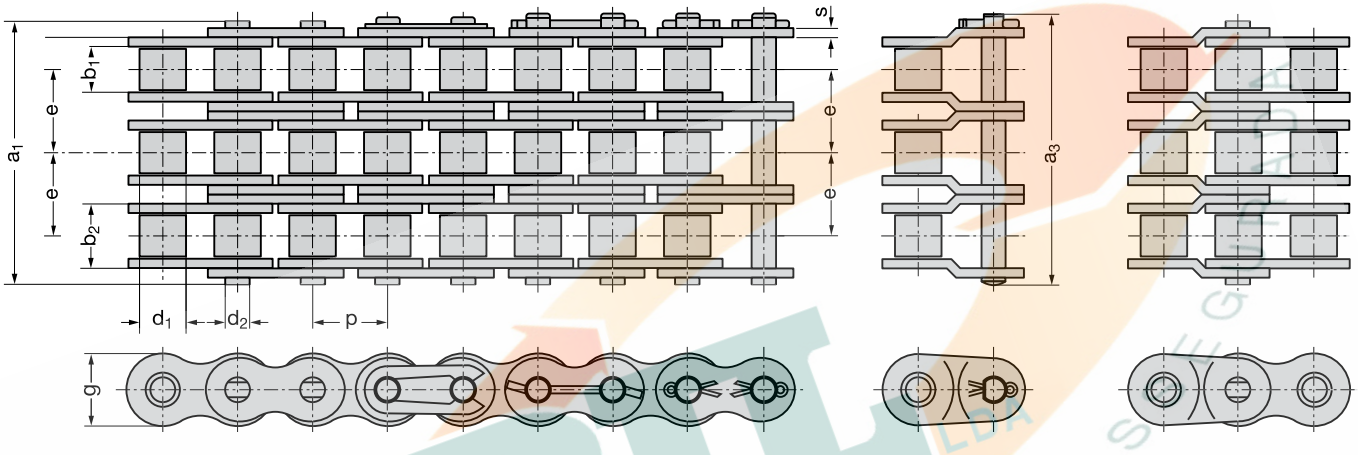


B inner link | A outer link | E connecting link with clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

HE-Series – American Standard – Rexnord RexPro Roller Chain ISO 606

Triplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
60 HE - 3	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	81.1	84.4	3.45	124 500	140 000	5.4	x	x				x
80 HE - 3	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	101.3	106.3	5.77	207 600	240 000	9.3	x	x				x
100 HE - 3	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	120.0	126.6	8.29	312 000	345 000	13.4	x	x				x
120 HE - 3	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	150.8	158.7	12.32	438 000	501 000	18.4	x	x				x
140 HE - 3	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	160.9	168.3	14.74	582 000	627 000	24.2	x	x				x
160 HE - 3	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	190.6	198.7	20.08	750 000	813 000	32.7	x	x				x
200 HE - 3	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	239.1	248.7	34.28	1 248 000	1 248 000	56.1	x	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

Rexnord RexPro Roller Chain – HS-Series American Standard

High Performance

Industries Served:
Agriculture
Construction machines
Wood industry
Material handling

The Rexnord HS-Series Roller Chain provides **a longer overall life time** for the highly stressed drive in round baler applications. Significant improvements have been made particularly in regard to the fatigue strength and wear resistance of the chain pins.

Outstanding performance in every field

The Rexnord HS-Series Roller Chain is the perfect combination of the H- and HE-Series Chains. The innovative raw material and the heat treatment go along with a state-of-the-art production method. The result is a drive chain with outstanding performances for all operational demands.

Improved wear resistance

The hardened and shot peened pins receive a surface treatment that works perfect together with the long life lubricant. Seamless and hardened bushing complete the chain joint. And finally the high preloading minimizes the running-in elongation. All these treatments result in an improved wear resistance of the chain.

High fatigue strength

The calibration of the plate bores is the foundation for high press fits. In combination with the high preloading treatment we achieve the outstanding fatigue strength of the HS-Series Chain. This makes it the ideal chain for applications with high dynamic shock loads.

Features

- Clearly higher wear resistance and higher dynamic strength compared to standard roller chains
- Low maintenance due to the long-life lubrication
- Interchangeable with ISO 606 H and HE chains
- Special raw materials and special assembly procedures

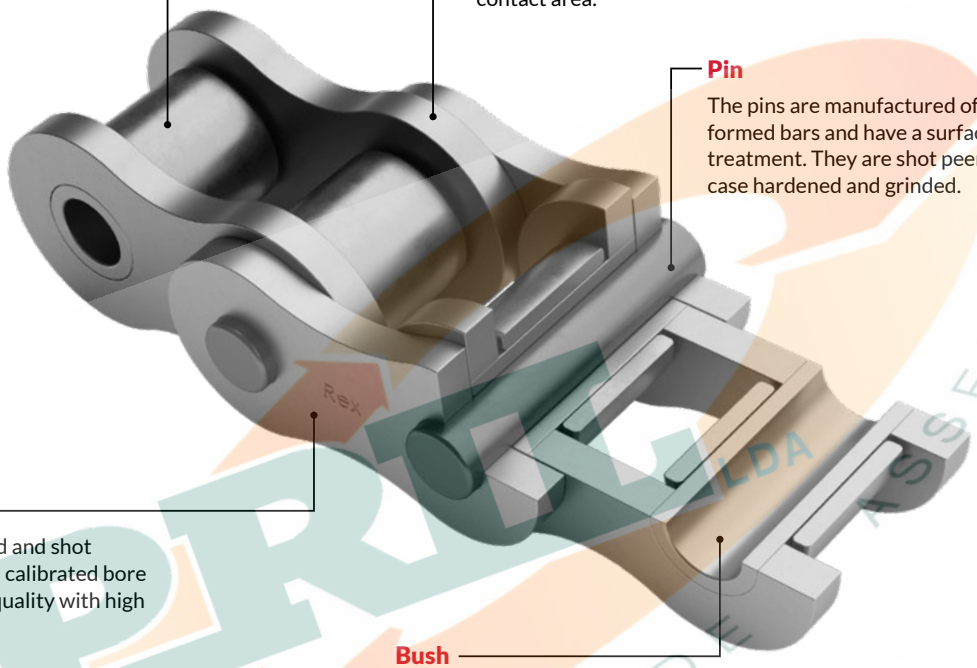
Advantages

- Corrosion-resistant
- Combines the advantages of the H- and HE-Series
- Long wear life
- Cost-effective

Lubrication

- Long-life lubricant
- Thixotropic
- No oil dripping
- Operating temperature: -15°C to +75°C
- With high temperature lubricants, use is possible up to 250°C

Rexnord RexPro Roller Chain – HS-Series American Standard



Roller

Seamless rollers made of through hardened material to protect the chain joint against shock loads.

Inner plate

Through hardened and shot peened plate with calibrated bore for an optimized quality with high contact area.

Pin

The pins are manufactured of cold formed bars and have a surface treatment. They are shot peened, case hardened and grinded.

Outer plate

Through hardened and shot peened plate with calibrated bore for an optimized quality with high contact area.

Bush

The case hardened bushes are shot peened and have a seamless high cylindricity.

Loading capacity

- High loading capacity
- Ideal solution for heavy-duty drives and lifting purposes
- Highest breaking strength
- Very high fatigue strength

Wear resistance

- Very robust chain
- Special pin material and heat treatment for longer wear life
- Long service life and maximum operational reliability

Eco-friendly

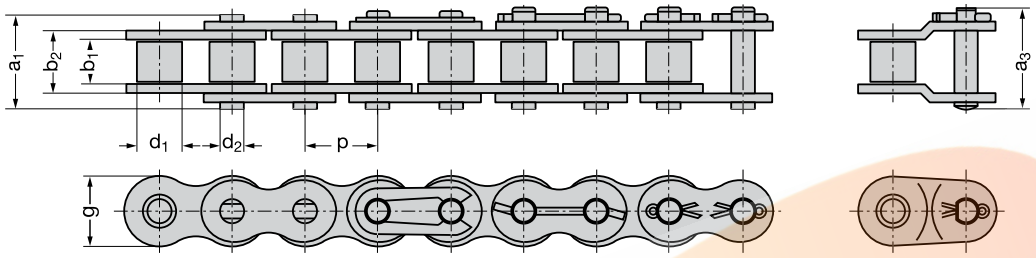
- The Rexnord Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

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

HS-Series – American Standard – Rexnord Roller Chain ISO 606

Simplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
80 HS - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.5	–	35.9	41.0	1.92	69 200	84 000	3.1	x	x			x	x
100 HS - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	–	42.8	48.2	2.76	104 000	115 000	4.5	x	x			x	x

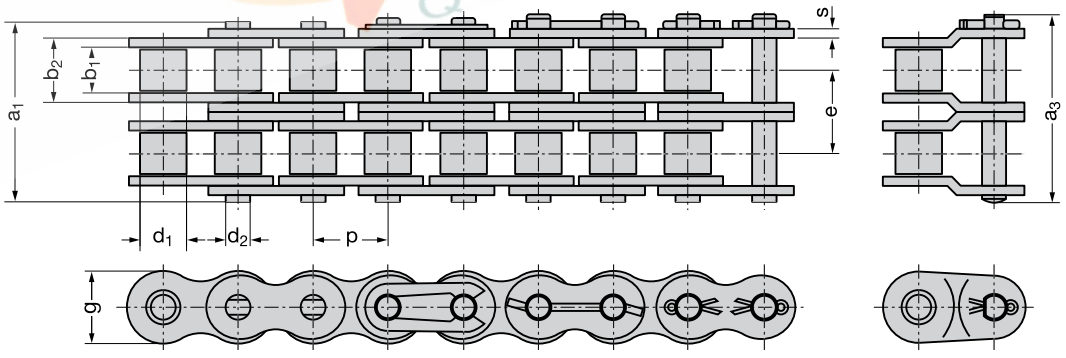


B inner link | A outer link | E connecting link with clip | S connecting link with cotter pin | L cranked link with cotter pin

HS-Series – American Standard – Rexnord Roller Chain ISO 606

Duplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
80 HS - 2	1.00	25.4	15.75	15.88	7.92	24.30	23.5	32.59	68.6	73.7	3.85	138 400	168 000	6.2	x	x			x	x
100 HS - 2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	208 000	230 000	9.0	x	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

Industries Served:
Material handling
Logistics & Transportation
Wood industry
Pulp & Paper

Rexnord RexPro Roller Chain – with Straight Side Plates

High Performance

Rexnord RexPro Roller Chain with straight side plates have the exact same high performance characteristics as the Rexnord RexPro Roller Chain with standard plates. But the straight side plates are ideal for applications to easily convey goods directly on the chain.

Superior corrosion protection

Rexnord RexPro Roller Chain has a very good corrosion protection compared to the best competitor for European and Asian quality roller chains, tested according to the Salt-Spray Test DIN EN ISO 9227 NSS. This results in an improved protection against stiff chain links, and a longer service life.

Improved wear resistence

The Rexnord RexPro High Performance Roller Chain has an improved protection against wear. The excellent protection through RexPro Lubrication leads to a long service life and high operating reliability.

No heavy metals

The lubrication for the Rexnord RexPro Chain does not contain any heavy metals, Teflon or silicone and therefore offers a wide range of applications.

Features

- Straight side plates for smooth conveying of goods directly on the chain
- Larger support surface against external wear
- High fatigue resistance and improved wear resistance
- Superior corrosion protection
- Environmental friendly
- Manufactured from high-performance materials
- Calibrated plate holes and seamless rollers
- Shot-peened components
- Delivered matched in pairs and free of twist on request

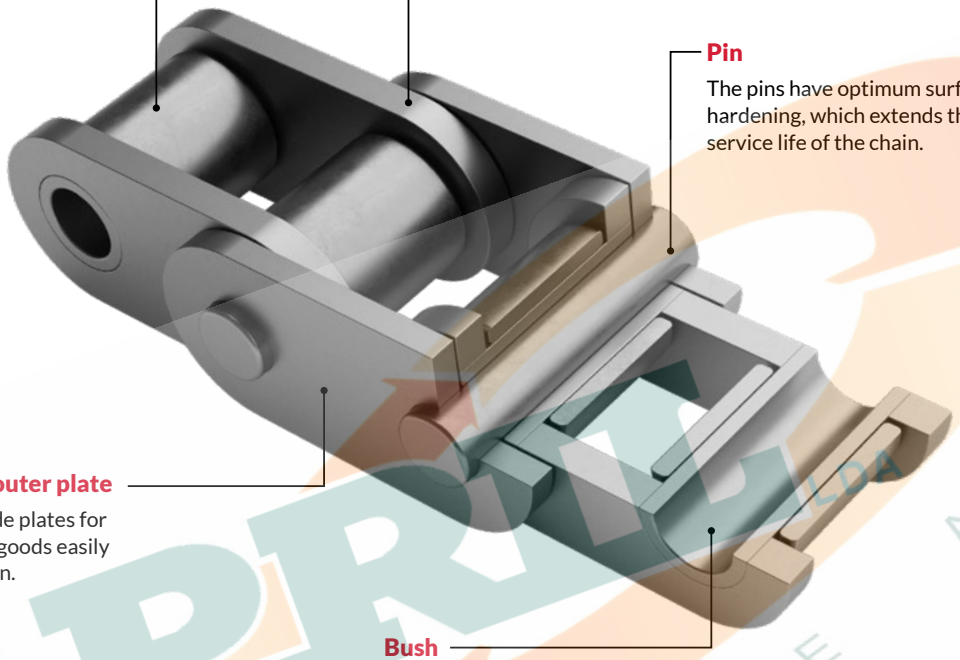
Advantages

- Minimal pre-running elongation
- Long service life
- High impact resistance
- Robust under tough conditions
- Maximum operating reliability
- Improved profitability

Lubrication

- Improved protection with Rexnord RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 permit)

Rexnord RexPro Roller Chain – with Straight Side Plates



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high fatigue strength and longevity.

Straight Inner plate

Straight side plates for conveying goods easily on the chain.

Pin

The pins have optimum surface hardening, which extends the service life of the chain.

Straight outer plate

Straight side plates for conveying goods easily on the chain.

Bush

The bushes have optimum surface hardening, which extends the service life of the chain.

Loading capacity

- Ball-drifted plate holes
- Shot-peened chain components, seamless rollers
- High pre-loading

Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments

Wear resistance

- More wear material with the straight side plates
- High protection through RexPro Lubrication
- Long service life
- High operating reliability
- Excellent wear resistance through heat treatment of the wear parts

Eco-friendly

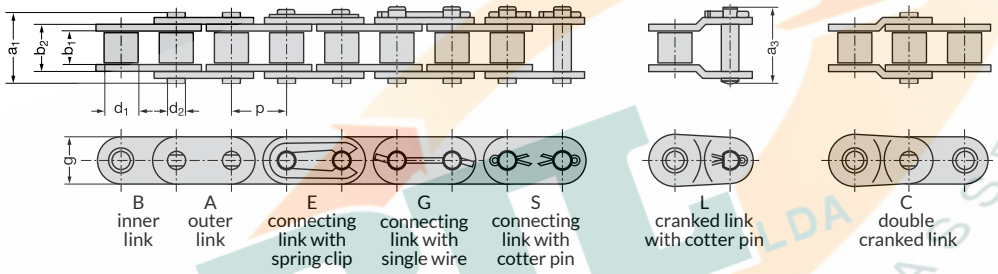
- Use of Rexnord RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environmental management system conforms to DIN EN ISO 14001

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

With Straight Side Plates – Rexnord RexPro Roller Chain ISO 606 / DIN 8187 / DIN 8188

Simplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
European Standard																				
06 B - 1 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.2	–	13.5	16.8	0.28	8 900	9 000	0.4			x	x	x	
10 B - 1 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.8	–	19.6	23.7	0.67	22 200	22 400	1.0	x	x	x	x	x	
12 B - 1 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	–	22.7	27.3	0.89	28 900	29 000	1.3	x	x	x	x	x	
16 B - 1 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.5	–	36.1	41.5	2.10	60 000	71 000	2.9	x	x	x	x	x	x
20 B - 1 GL	1.25	31.75	19.56	19.05	10.19	29.00	25.7	–	40.4	47.6	2.96	95 000	112 000	4.1	x	x	x		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	198 000	7.5	x	x	x		x	x
32 B - 1 GL	2.00	50.8	30.99	29.21	17.81	45.50	41.2	–	65.1	73.6	8.10	250 000	300 000	10.4	x	x	x		x	x
16 B - 1 GL24	1.00	25.4	17.02	15.88	8.28	25.40	24.0	–	36.1	41.5	2.10	60 000	72 000	3.4	x	x		x		x
American Standard																				
60 - 1 GL	0.75	19.05	12.57	11.91	5.94	17.70	17.7	–	26.9	31.5	1.05	31 300	31 800	1.7	x	x		x		
80 - 1 GL	1.00	25.4	15.75	15.88	7.92	22.50	23.5	–	33.5	38.9	1.78	55 600	56 700	3.0				x		x
American Standard H-Series																				
60H - 1 GL	0.75	19.05	12.57	11.91	5.94	19.35	17.7	–	28.8	32.0	1.15	31 300	37 500	2.1				x		

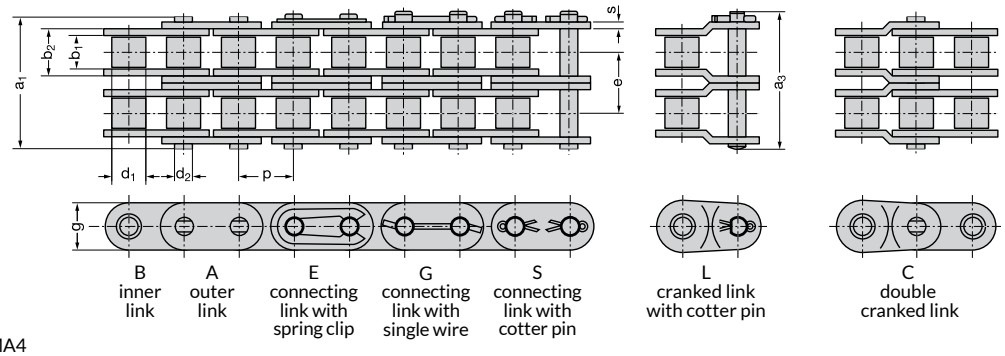


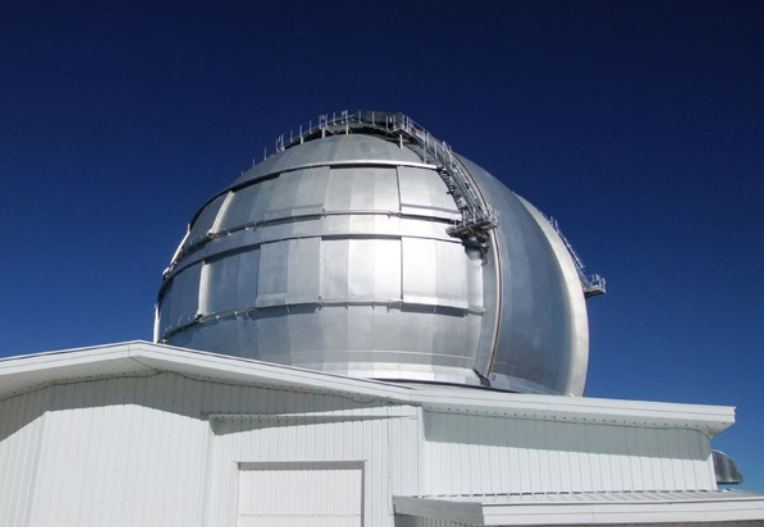
With Straight Side Plates – Rexnord RexPro Roller Chain ISO 606 / DIN 8187 / DIN 8188

Duplex roller chain

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 ISO 606	Rexnord minimum 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						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m	A	B	C	E	L	S
European Standard																				
06 B - 2 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.2	10.24	23.8	27.1	0.56	16 900	16.900	0.8			x	x	x	
10 B - 2 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.8	16.59	36.2	40.3	1.35	44 500	44 500	2.0	x	x	x	x	x	
12 B - 2 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	42.2	46.8	1.79	57 800	57 800	2.6	x	x	x	x	x	
16 B - 2 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	68.0	73.4	4.21	106 000	124 000	5.7	x	x	x	x	x	x
20 B - 2 GL	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	76.9	83.6	5.91	170 000	196 000	8.2	x	x	x		x	x
24 B - 2 GL	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	102.2	122.7	11.09	280 000	346 000	15.0	x	x			x	x
32 B - 2 GL	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	123.6	132.4	16.21	450 000	525 000	20.8	x	x			x	x
16 B - 2 GL24	1.00	25.4	17.02	15.88	8.28	25.40	24.0	31.88	68.0	73.4	4.21	106 000	132 000	6.7	x	x		x		x
American Standard																				
60 - 2 GL	0.75	19.05	12.57	11.91	5.94	17.70	17.7	22.78	49.8	54.4	2.10	62 600	63 600	3.4	x	x				x

* Also available as a Triplex roller chain on request





Industries Served:
Steel
Heavy mechanical engineering
Lifting applications

Rexnord RexPro Roller Chain – Laschenkette (Plate Chain)

High Performance

Rexnord RexPro Roller Chain Laschenkette (Plate Chain) has a double quantity of movable plate links. This way it combines the benefits of roller chains and leaf chains which makes it a highly robust chain.

Effective lubrication

The easily accessible chain link facilitates better relubrication of the chain, preventing potential corrosion problems in the chain link.

Elimination of bushes

The main feature in the Rexnord RexPro Roller Chain Laschenkette (Plate Chain) is the elimination of service-life critical bushings and the optimisation of the remaining chain components (doubling the movable plates and stronger pins).

Long service life

Rexnord RexPro Roller Chains are primarily used for lifting purposes. In practice they have a service life that is 3 to 5 times longer than standard roller chains.

Features

- The design of machine tools facilitates the compression of bearing areas
- Combines the advantages of roller chains and leaf chains
- Reinforced pins and higher breaking strength
- Double quantity of movable plate links
- Reinforced pins with a larger bearing surface and greater resistance to bending
- Insensitive against dust and dirt

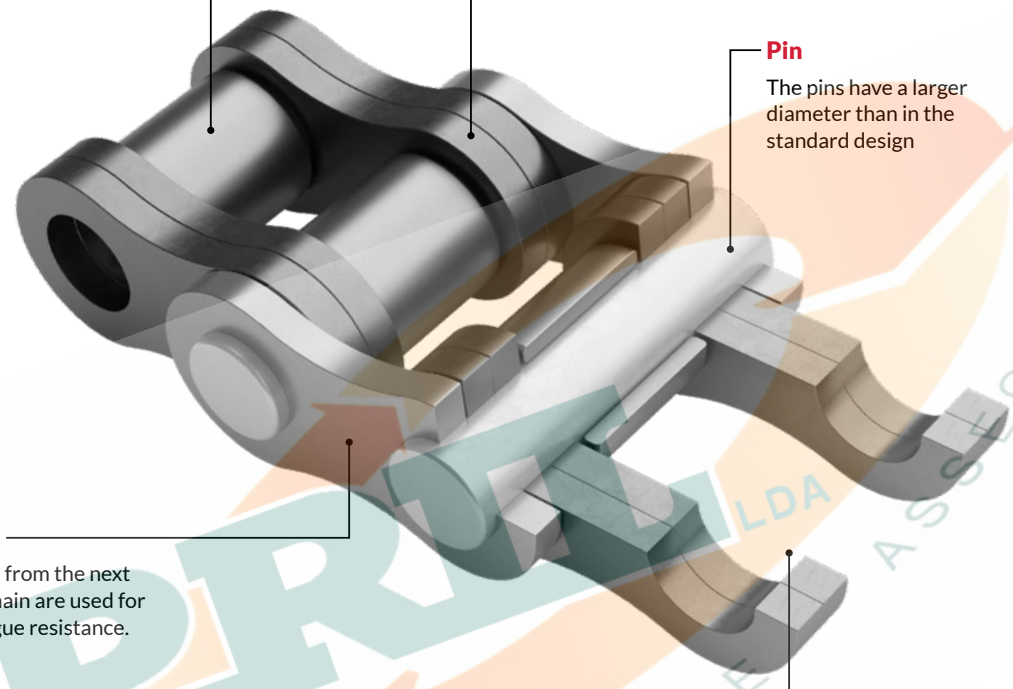
Advantages

- Synchronization of lifting operations possible
- Application of force possible via chain sprocket
- Higher operating reliability and longer service life
- No stiff chain links

Lubrication

- Easy relubrication
- Long-term lubrication
- Operating temperature: - 30° C to + 130° C (-40 °C to +250 °C possible with alternative lubrication)
- Very good surface adhesion; no dripping oil
- No heavy metals
- More effective lubrication thanks to the shorter distance the lubrication has to travel to the pins
- Corrosion protection (like HiPro) and special lubrications available on request

Rexnord RexPro Roller Chain – Laschenkette (Plate Chain)



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high fatigue strength and longevity.

Inner plate

Double plates for reinforcement and high fatigue-resistance

Pin

The pins have a larger diameter than in the standard design

Outer plate

Thicker plates from the next larger pitch chain are used for very high fatigue resistance.

NO Bush

The rollers are fitted directly onto the pins.

Loading capacity

- High loading capacity
- Ideal for heavy-duty drives and lifting purposes
- High impact resistance
- Highest breaking strength

Wear resistance

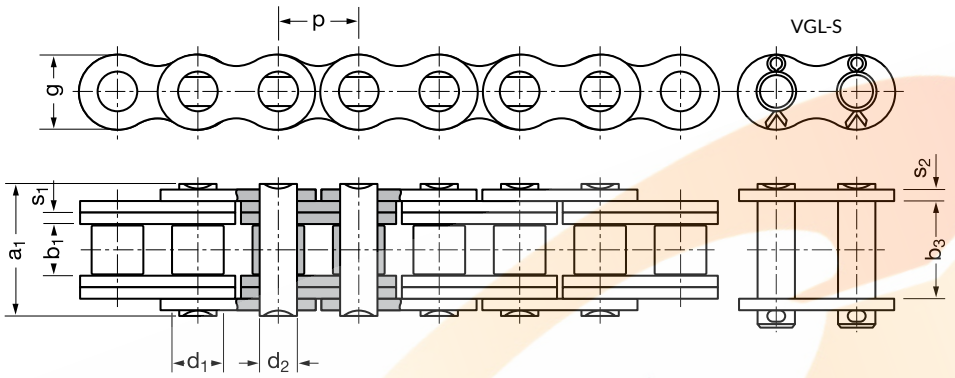
- Very robust chain
- Long service life
- Excellent protection from wear due to machine tool design

Eco-friendly

- The Rexnord Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

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

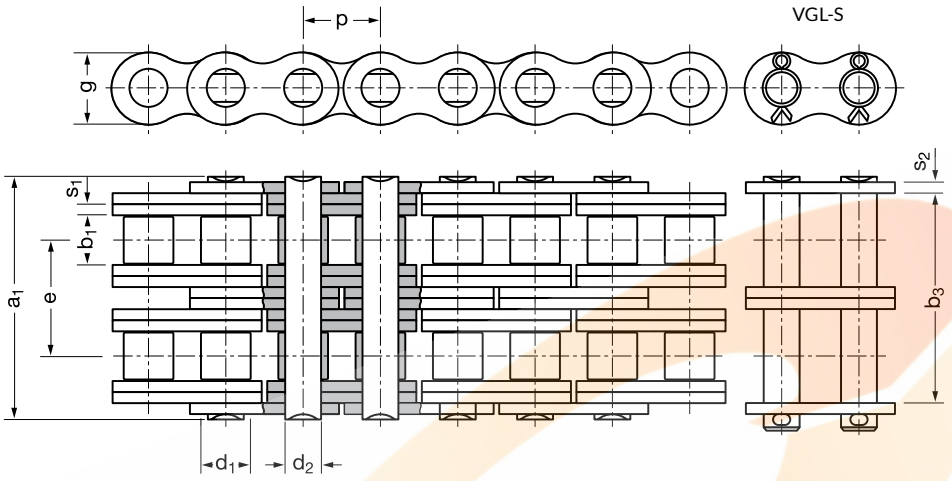
Chain No.	Pitch		Width beetween inner plates	Roller diameter	Pin diameter	Clear width outer link	Plate thickness		Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Rexnord minimum tensile strength	Weight	Loose parts		
	p		b_1 min	d_1 max	d_2 max	b_3 min	s_1	s_2	g	e	a_1 max	a_3 max	A	F_B	q			
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	A	B	S
50 - 1 S L/A	2.00	50.8	31.55	28.58	20.35	57.50	6.3	6.3	47.8	–	75.5	82.5	5.13	270 000	14.9			x
50 - 1 SH L/A	2.00	50.8	31.55	28.58	20.35	57.50	6.5	8.0	47.8	–	80.0	87.0	5.29	330 000	16.2			x
64 - 1 S L/A	2.50	63.5	38.10	39.38	30.00	77.00	9.5	9.5	59.5	–	104.0	113.0	11.40	530 000	28.0			x
64 - 1 SH L/A	2.50	63.5	38.10	39.38	30.00	77.00	9.5	12.0	59.5	–	110.0	120.0	11.40	670 000	29.8			x
64 - 1 SHS L/A	2.50	63.5	27.60	39.38	30.00	66.80	9.5	12.0	59.5	–	97.0	107.0	11.40	670 000	28.1			x
64 - 1 SHBK L/A	2.50	63.5	38.10	39.38	30.00	71.50	8.0	12.0	59.5	–	103.0	120.0	9.60	670 000	27.6			x

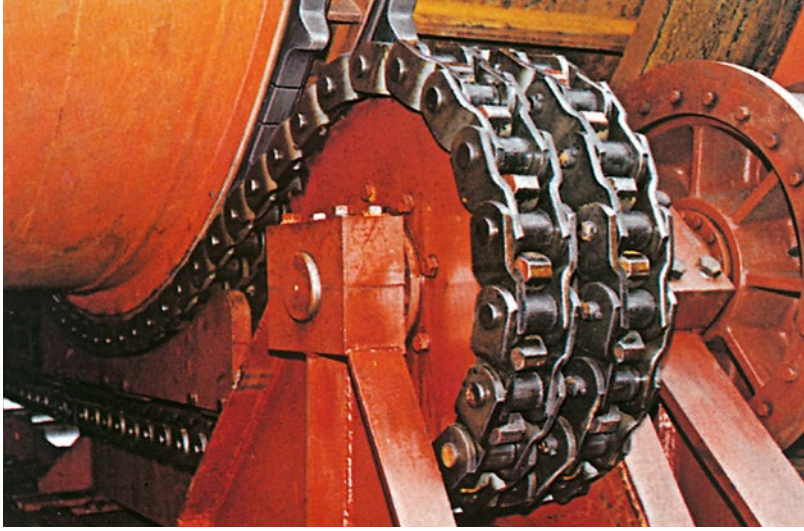


Laschenkette – Rexnord RexPro Roller Chain

Duplex Chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Clear width outer link	Plate thickness		Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Rexnord minimum tensile strength	Weight	Loose parts		
	p		b_1 min	d_1 max	d_2 max	b_3 min	s_1	s_2	g	e	a_1 max	a_3 max	A	F_B	q			
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	A	B	S
50 - 2 SL/A	2.00	50.8	31.55	28.58	20.35	128.0	6.3	6.3	47.8	70.5	146.0	153.0	10.26	540 000	29.6			x





Industries Served:
Mining & Metals
Asphalt
Amusement parcs

Rexnord RexPro Roller Chain – Cranked Link Drive Chain

High Performance

Thanks to the offset link design the Rexnord RexPro Cranked Link Drive Chain is quick and safe to assemble and disassemble. This chain is designed to give you superior performance, even under the most challenging conditions. It is ideal for looped and segmented drives in rotary furnaces and rotary kilns in all kind of industries.

Simple assembly concept

The offset link design allows one link at a time to be taken out or inserted. No special connecting links are required.

Long wear life

The wear life of the chain is directly affected by the hardness and case depth of the wearing components. Partially induction-hardened pins are only additionally heated in the crescent-shaped area that is exposed to wear. The balance of the pin is left in a tough state to withstand shock loading. Chain rollers, sidebars and bushings are all heat treated for wear resistance and strength.

Rexnord sprockets

Rexnord Cranked Link Drive Chains perform better over the long term if they run on Rexnord chain wheels. The sprockets are machined and induction hardened to give hard, deep case depths. Most competitive sprockets have only a fraction of the case depth. Once the case depth is worn through, sprocket wear is rapid and chain interaction is affected, thus causing greater chain stress.

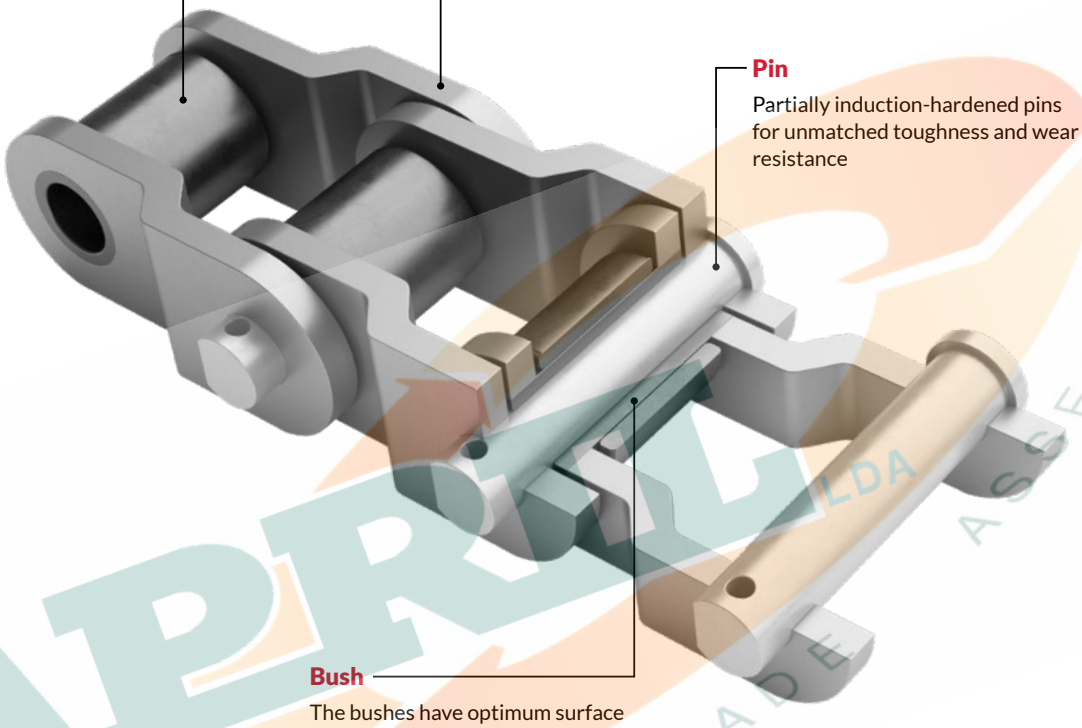
Features

- Very robust
- Pins with protection against pin rotation
- Partially induction-hardened pins for extreme toughness and wear resistance

Advantages

- Resistant to high impact loads and adverse ambient conditions
- Easy to dismantle, any pin can be removed
- Low noise
- Efficient power transmission through optimized sprocket and chain design

Rexnord RexPro Roller Chain – Cranked Link Drive Chain



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high fatigue strength and longevity.

Plate

Cranked plate design for easy assembly and disassembly

Pin

Partially induction-hardened pins for unmatched toughness and wear resistance

Bush

The bushes have optimum surface hardening, which extends the service life of the chain.

Loading capacity

- Pins with protection against pin rotation
- State-of-the-art heat treatment of all chain components to assure longer chain life
- Seamless rollers

Wear resistance

- Selectively Induction Hardened (SIH) pins afford you unmatched toughness and wear resistance
- Long service life
- High operating reliability
- Improved wear resistance through heat treatment of the wear parts

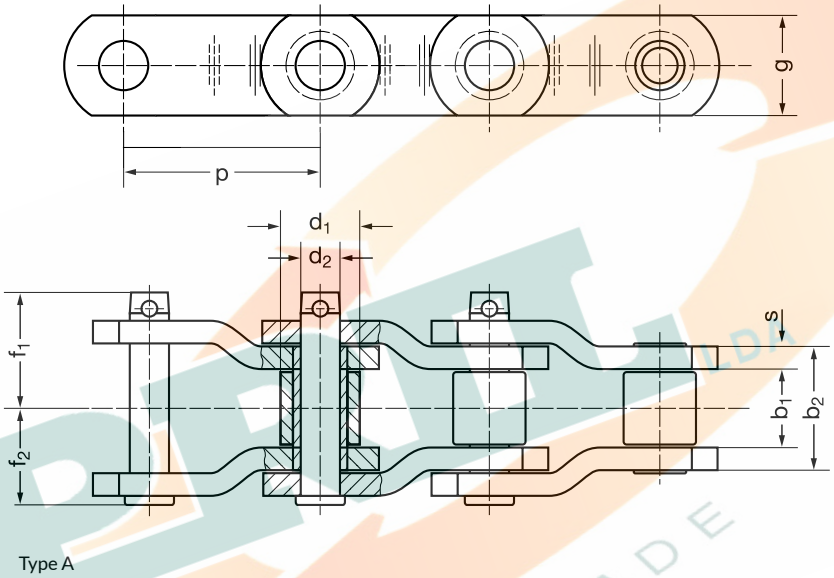
Eco-friendly

- Environmental management system conforms to DIN EN ISO 14001

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

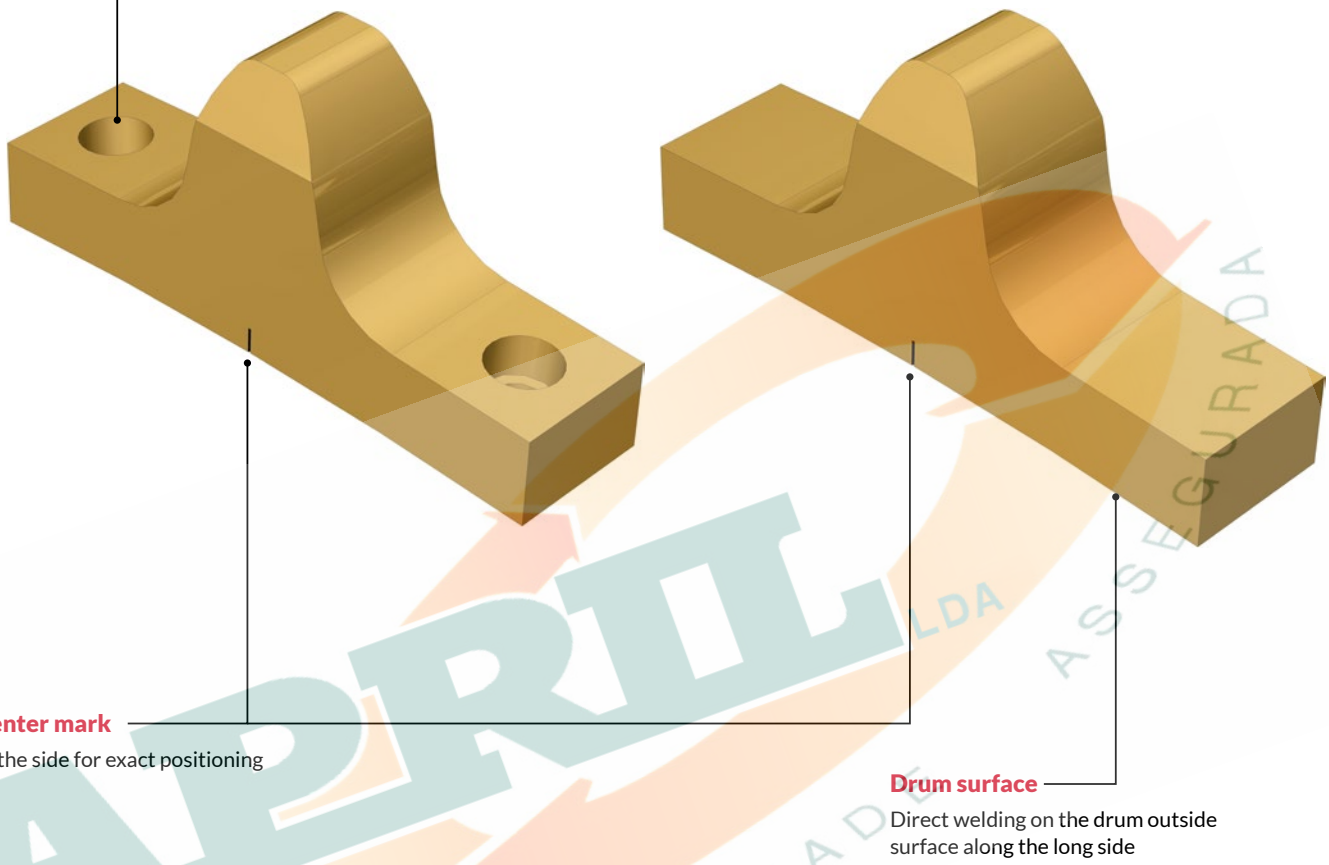
Cranked Link Drive Chain – Rexnord RexPro Roller Chain

Chain No.		Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Plate thickness	Pin length		Bearing area	Rexnord minimum tensile strength	Weight	Type
		p		b_1 min	d_1	d_2	b_2 max	g	s	f_1	f_2	A	F_B	q	
		Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	
R1035	Ro 3	3.075	78.1	36.83	32.00	15.75	53.85	41.3	8.0	47.0	41.2	8.48	230 000	11.0	A
R1037		3.075	78.1	36.83	31.75	16.51	57.15	44.5	9.5	49.5	44.7	9.44	270 000	13.9	A
AX1568	Ro 3b	3.067	77.9	38.61	41.27	19.05	58.67	57.2	9.5	52.7	45.9	11.18	360 000	20.2	A
RX238	Ro 3.5	3.50	88.9	36.83	44.45	22.10	62.50	57.2	12.7	62.1	52.3	13.81	400 000	23.9	A
1244	Ro 4	4.063	103.2	48.00	44.45	22.10	74.68	54.0	12.7	67.7	57.9	16.50	400 000	23.4	A
RX1245	Ro 4b	4.073	103.5	47.63	45.23	23.80	77.77	60.3	14.3	71.6	62.7	18.51	560 000	28.3	A
RO635	Ro 4.5	4.50	114.3	50.80	57.15	27.94	80.95	76.2	14.3	71.9	62.4	22.62	740 000	34.4	A
RX1207	Ro 5b	5.00	127.0	68.25	63.50	31.55	101.60	88.9	15.9	83.9	74.8	32.05	990 000	51.2	A
RO1306	Ro 6	6.00	152.4	74.60	76.20	37.90	114.30	101.6	19.1	97.2	85.0	43.32	1 400 000	69.1	A



Type A

Rexnord Segmented Sprocket Wheel System for the Cranked Link Drive Chain



Features

- System consists of individual blocks of teeth
- Tooth base form or tooth blocks without additional fixing elements are adjusted to drum radius
- Required tooth base height is determined by drum diameter, pitch and number of teeth
- Adjusted tooth blocks can be attached directly to the drum surface
- Recommended material for tooth blocks: E355
- Processed outer contour and contact surface
- Intermediate arc components with same height and width dimensions as tooth blocks are available on request
- Intermediate arc components can be used to support the chain

Advantages

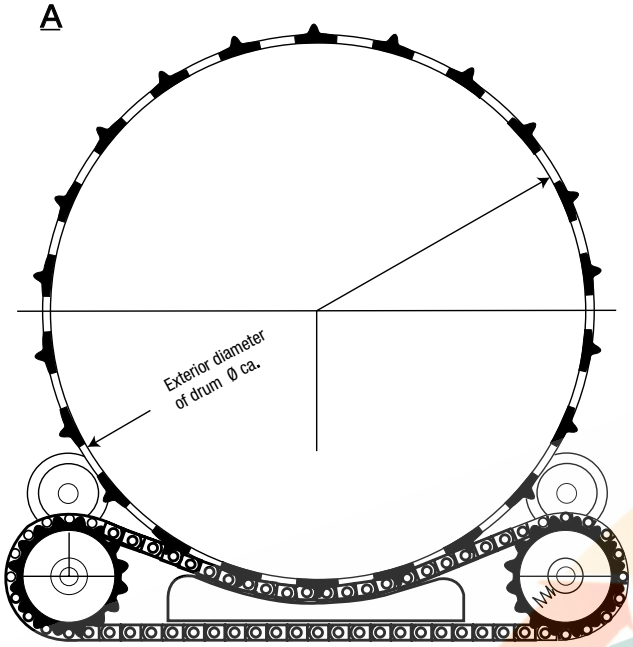
- Cheaper than a large solid sprocket wheel
- Large or small tooth block clearances can be selected according to drive type
- Thermal expansion of the drum is respected in the tooth base design
- Special Rexnord design
- Tooth blocks produced depending on application
- Optimim precision
- Functional reliability

Determination of Drive Type and Dimensions

Please enter your drive layout in the sketch version A, B, C or D as appro-priate. However, if your planned drive solution is different from the versions illustrated, please send us a sketch with details of your proposed drive configuration.

Our experienced design engineers will be pleased to help if you have any technical questions or drive problems requiring solution. Take advantage of our wide experience in the field of drive engineering to ensure that you find the optimum drive configuration for your requirements.

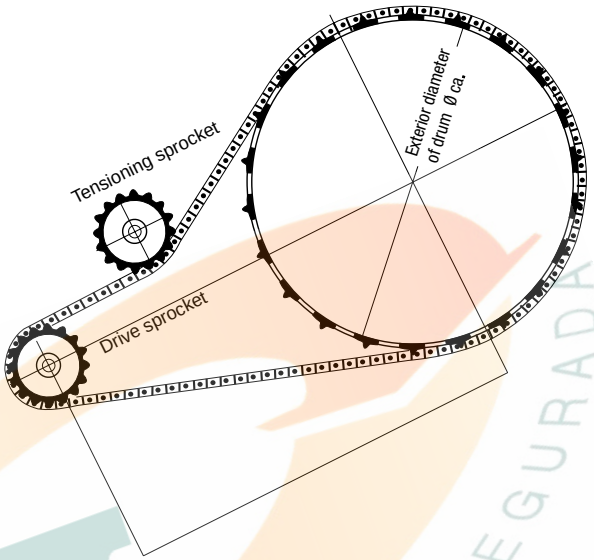
A



Drive sprocket

Tensioning sprocket

B



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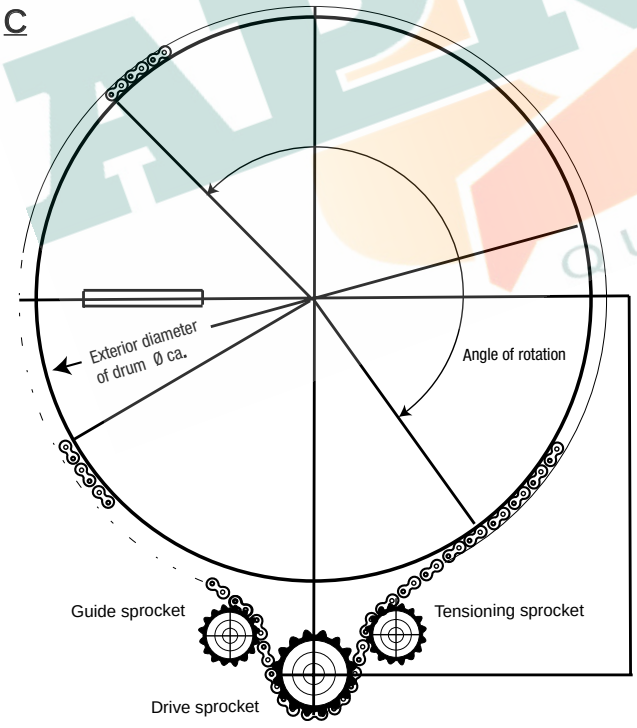

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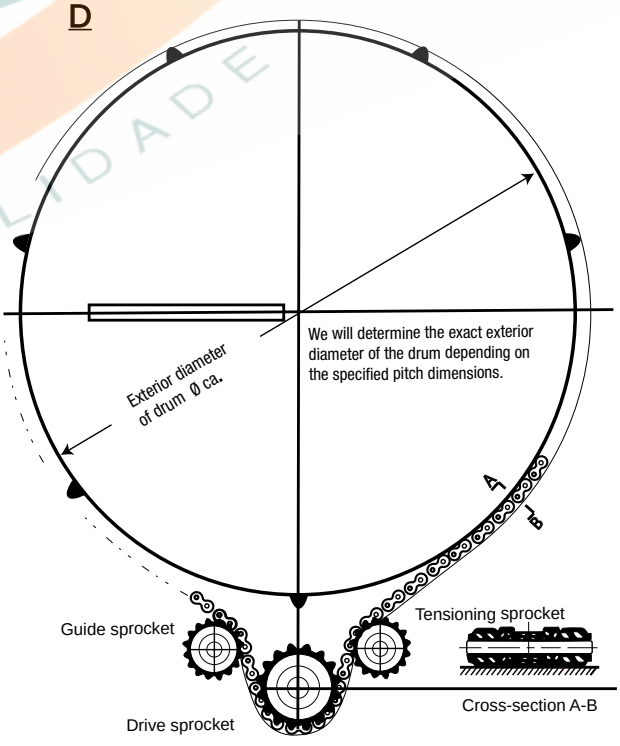
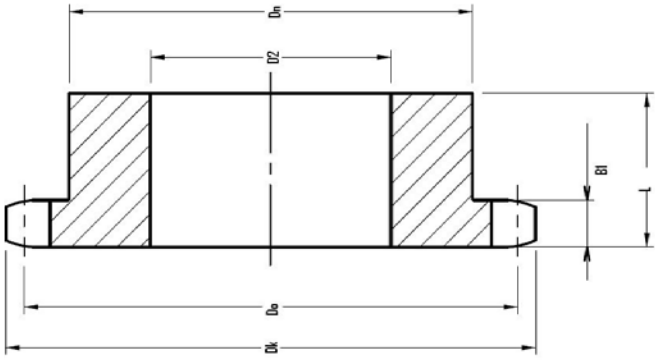
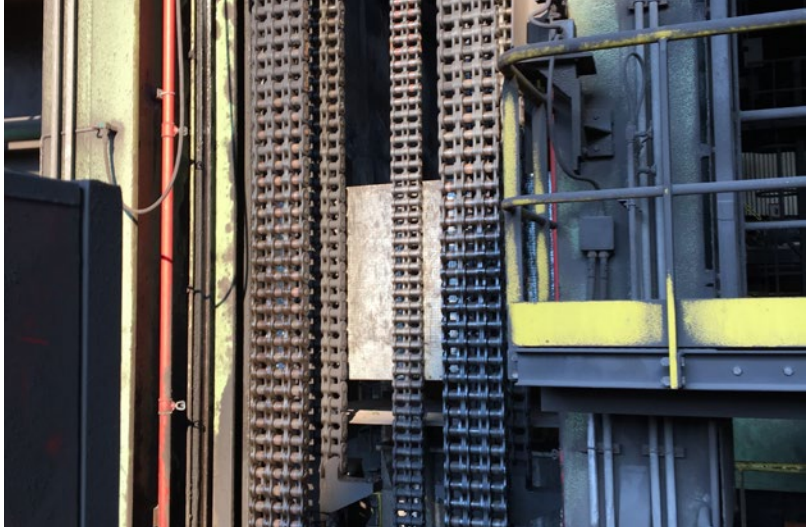


Sprockets for Cranked Link Drive Chain – Rexnord RexPro Roller Chain

Sprockets with a hub on one side for cranked link drive chain	Number of teeth	Pitch circle diameter	Tooth width	Outside diameter	Hub diameter	Pre-bore diameter	Bore size max	Total length	Weight approx.
	Z	d_0	B_1	d_K	d_0	d_2	d_2	L	kg
Ro 3b Pitch 77.9 mm	17	423.3	34	469	200	60	110	130	52
	19	473.3	34	520	200	60	110	130	61
	21	522.7	34	571	200	60	110	130	71
	23	572.2	34	622	200	60	110	130	83
	25	621.6	34	673	200	60	110	130	95
Ro 3 / Ro 3c Pitch 78.1 mm	17	425.0	34	469	160	60	90	110	44
	19	474.5	34	520	160	60	90	110	54
	21	524.1	34	571	170	60	95	110	65
	23	573.6	34	622	170	60	95	110	79
	25	623.2	34	673	200	60	110	130	95
Ro 3.5 Pitch 88.9 mm	17	483.8	34	533	200	60	110	130	63
	19	540.2	34	590	200	60	110	130	73
	21	596.5	34	648	200	60	110	130	85
	23	652.9	34	706	200	60	110	130	97
	25	709.3	34	764	200	60	110	130	115
Ro 4 Pitch 103.2 mm	17	561.6	44	616	235	70	130	155	107
	19	627.0	44	684	250	70	140	170	135
	21	692.5	44	751	250	70	140	170	158
	23	758.0	44	818	250	70	140	170	184
	25	823.4	44	884	270	70	150	180	220
Ro 4b Pitch 103.45 mm	17	562.9	44	618	235	70	130	155	108
	19	628.5	44	686	250	70	140	170	136
	21	694.1	44	753	250	70	140	170	159
	23	759.8	44	821	250	70	140	170	185
	25	825.4	44	887	270	70	150	180	221
Ro 4.5 Pitch 114.3 mm	17	622.0	47	685	270	80	150	180	147
	19	694.4	47	758	270	80	150	180	175
	21	766.9	47	830	290	80	160	190	215
	23	839.5	47	905	290	80	160	190	249
	25	912.0	47	977	290	80	160	190	285
Ro 5 b Pitch 127.0 mm	17	691.1	63	760	310	80	170	200	231
	19	771.7	63	840	320	80	180	210	282
	21	852.2	63	920	320	80	180	210	333
	23	932.8	63	1000	320	80	180	210	389
	25	1013.8	63	1080	340	80	190	225	464
Ro 6 Pitch 152.4 mm	17	829.4	69	910	360	90	200	240	370
	19	926.0	69	1005	360	90	200	240	442
	21	1022.6	69	1100	360	90	220	240	510
	23	1119.4	69	1200	360	90	220	240	598
	25	1216.0	69	1297	360	90	220	240	694

Sprockets are supplied with one-sided hub as standard. Symmetrical and asymmetrical versions available on request. Minimum strength of steel sprockets is 590 N/mm2 . Tooth hardening on request.





Industries Served:
Steel industry
Heavy mechanical engineering
Marine
Steel

Rexnord RexPro Roller Chain – Marine Diesel Version

High Performance

In the case of marine diesel roller chains, operational safety is the most important factor overall. As a result of extensive research and development, Rexnord has developed a plate design in order to increase the fatigue resistance.

Highest reliability

The plate of the inner link is the specific part of a roller chain which determines the fatigue resistance and in consequence the operational safety of the complete roller chain. Only an extremely reliable chain can guarantee trouble-free operation over the entire service life.

High fatigue resistance

Marine diesel roller chains could also be considered for use on critical drives in industrial applications. They would be particularly advantageous in drives operating at the limits of standard roller chains, as well as those drives requiring high efficiency and reliability, but especially to replace chain drives susceptible to fatigue fractures.

Machine tool version

The special bonderizing provides a maximum pressure absorptive power and at the same time a high level of oil absorption capacity. Under pressure the synthetic lubricants and the bonderized surface is activated and assures an excellent wear resistance. The result is a higher allowable bearing area pressure and longer service lifetime with less or no re-lubrication intervals.

Features

- High-precision adjustability
- Special Rexnord inner link contour for outstanding fatigue resistance
- Optimal operating reliability
- Very good sliding characteristics under high bearing area pressure
- No stick slip effect
- Good emergency running properties

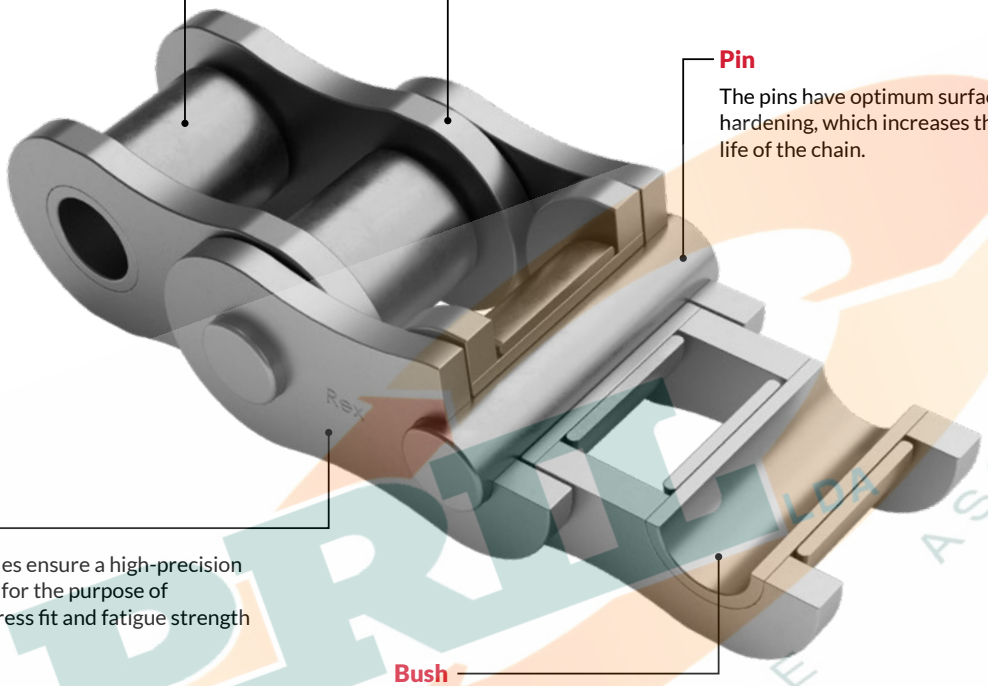
Advantages

- Suitable for use where other roller chains have reached their performance limit
- Long service life
- Very good start-up behavior because of the use of solid lubricants

Lubrication

- Long-term lubrication
- Operating temperature: - 15° C to + 75° C (can be extended from - 40° C to + 250° C)
- Very good surface adhesion; no dripping oil
- No heavy metals, Teflon- and silicone-free

Rexnord RexPro Roller Chain – Marine Diesel Version



Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high fatigue strength and longevity.

Inner plate

Special inner plate contour and finish-bored holes for exceptional fatigue resistance.

Pin

The pins have optimum surface hardening, which increases the service life of the chain.

Outer plate

Finish-bored holes ensure a high-precision contact surface, for the purpose of increasing the press fit and fatigue strength in particular.

Bush

The bushes have optimum surface hardening, which extends the service life of the chain.

Loading capacity

- Machined bore holes
- Shot-peened chain links, seamless rollers
- High pre-loading

Wear resistance

- Improved protection against wear
- Excellent protection from wear because of the machine tool design
- Long service life
- High operating reliability

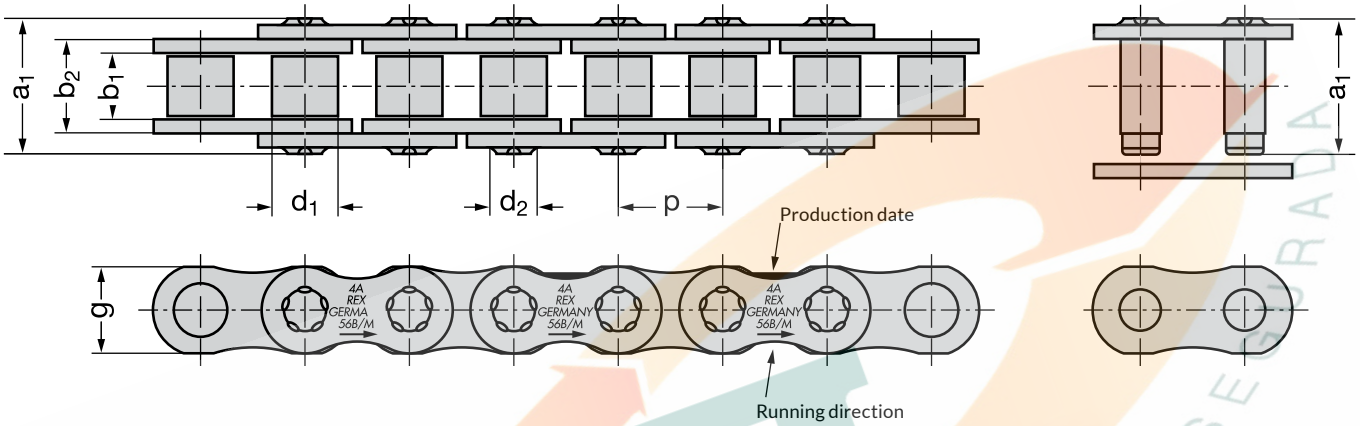
Eco-friendly

- The Rexnord Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

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

Chain No. *	Pitch		Width beetween inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Bearing area	Required minimum tensile strength ISO 606	Weight	Loose parts
	p		b_1 min	d_1 max	d_2 max	b_2 max	g	e	a_1	A	F_U	q	VGL
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	
40 B - 1	2.50	63.5	38.10	39.37	22.89	55.70	55.0	-	78.9	12.75	355 000	17.0	x
48 B - 1	3.00	76.2	45.72	48.26	29.24	70.50	65.0	-	98.5	20.61	560 000	26.5	x
56 B - 1	3.50	88.9	53.34	53.98	34.32	81.30	80.0	-	114.6	27.90	850 000	37.0	x
64 B - 1	4.00	101.6	60.96	63.50	39.40	92.00	93.0	-	130.0	36.25	1 120 000	49.0	x
72 B - 1	4.50	114.3	68.58	72.39	44.50	103.80	105.0	-	147.0	46.19	1 400 000	64.0	x

* Marine Diesel Triple Chain also available on request

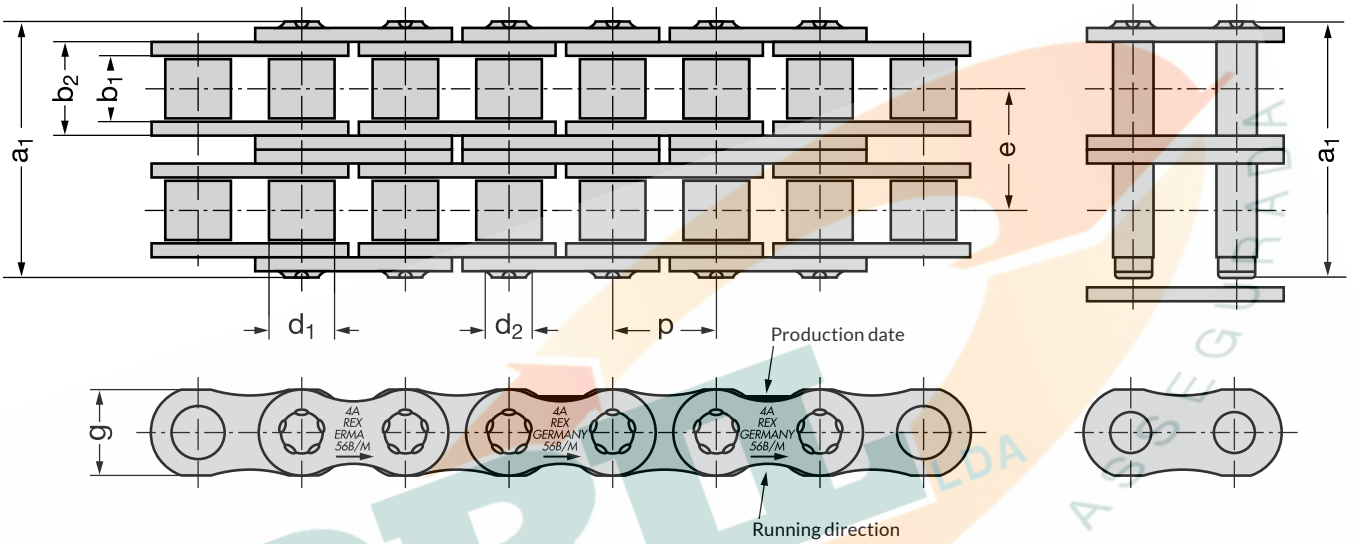


Marine Diesel – Rexnord RexPro Roller Chain DIN ISO 606 (DIN 8187)

Duplex roller chain

Chain No. *	Pitch		Width beetween inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Bearing area	Required minimum tensile strength ISO 606	Weight	Loose parts
	p		b_1 min	d_1 max	d_2 max	b_2 max	g	e	a_1	A	F_U	q	VGL
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	
40 B - 2	2.50	63.5	38.10	39.37	22.89	55.70	55.0	72.29	151.2	12.75	630 000	34.0	x
48 B - 2	3.00	76.2	45.72	48.26	29.24	70.50	65.0	91.21	189.7	20.61	1 000 000	53.0	x
56 B - 2	3.50	88.9	53.34	53.98	34.32	81.30	80.0	106.60	221.2	27.90	1 600 000	74.0	x
64 B - 2	4.00	101.6	60.96	63.50	39.40	92.00	93.0	119.89	250.0	36.25	2 000 000	98.0	x
72 B - 2	4.50	114.3	68.58	72.39	44.50	103.80	105.0	136.27	283.5	46.19	2 500 000	128.0	x

* Marine Diesel Triple Chain also available on request



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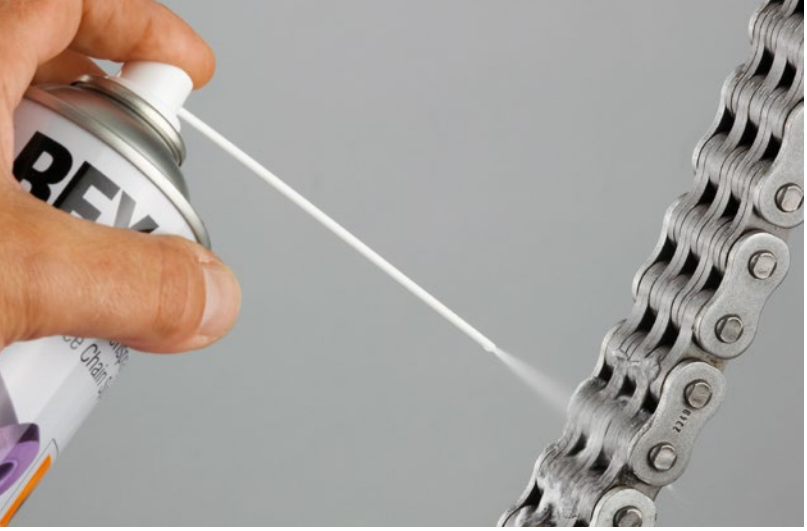


Industries Served:
Packaging and logistics
Food and beverages
Machine construction
Wood industry
Agriculture

Rexnord RexOil

High Performance Chain Spray

Rexnord RexOil makes it possible to maintain and relubricate roller chains and leaf chains simply and effectively in a wide range of applications. RexOil makes the lubrication of chains reliable, economical and environmentally friendly. None of the oils and lubricants used by Rexnord contains silicone or Teflon, and all are distinguished by a low environmental impact (in accordance with DIN EN ISO 14001).

Effective lubrication

The extended spray head grants better accuracy and increased comfort of use without wasting any grease. With its outstanding penetration and lubrication properties, RexOil delivers an outstanding corrosion protection and very good wear resistance.

The right lubrication

With RexOil, Rexnord offers a long-term lubricant for many applications in an extremely wide range of industries.

Longer lubrication intervals

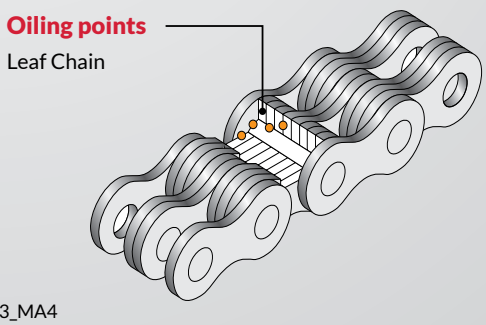
When long-life lubricants are use, relubrication intervals are significantly longer. And in some case, the use of lubricant waxes or compounds containing solid lubricants means that relubrication can be dispensed with altogether.

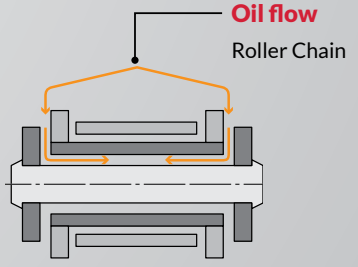
Features

- Outstanding penetration and lubrication properties
- Ensures removal of residual lubricant
- Displaces water and moisture
- Suitable for temperature ranges from -10°C to +150°C
- Appropriate lubrication guarantees a significantly longer service life than is the case with an unlubricated chain

Advantages

- Effective corrosion protection and high oxidation stability
- Extended spray head for easy, comfortable handling
- Lubricant has NSF H2 certification
- Reliable, environmentally friendly, economical





Relubrication

CORRECT VISCOSITY IS THE KEY

- Lubricating oil must remain fluid at all ambient temperatures
- Ideal viscosity is from SAE 20 to SAE 50 or 46 to 220 ISO VG at + 40° C
- RexOil is strongly adherent and remains fluid even after application. It has special tribiological characteristics.
- The Rexnord high-performance chain spray "RexOil" is suitable for highly loaded chain drives and lifting chains, including those running at high speed.

PREMATURE CHAIN FAILURE OR WEAR CAUSED BY INSUFFICIENT MAINTENANCE

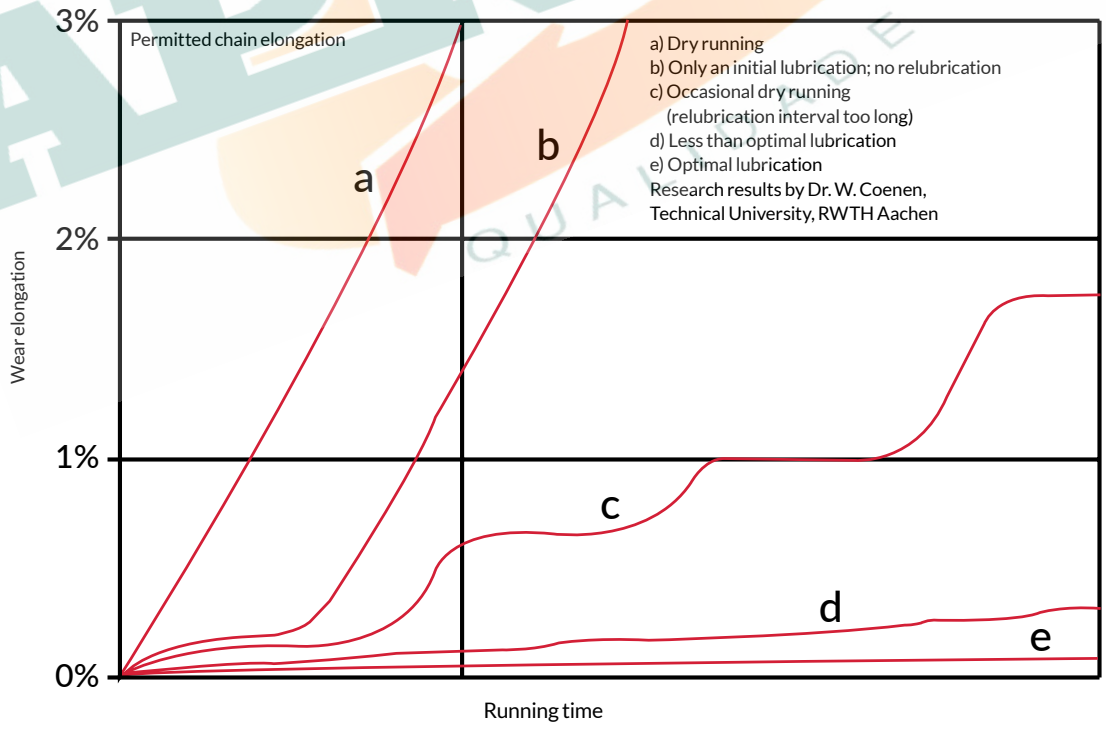
- In the short term, inadequate lubrication and high loading result in corrosion problems in the chain link
- Chain links become stiff and the press fits between the pins and the link plate are destroyed, i.e., the inner link rotates the pin in the press fit of the outer link.
- The result: premature chain failure

THE DECISION IN FAVOUR OF A 60-FOLD, 12-FOLD OR MERELY INADEQUATE WEAR LIFETIME RESTS ENTIRELY WITH YOU!

LUBRICATION ERRORS

- Good lubrication is a decisive factor in regard to a chain's wear lifetime
- Statistics show that about 60 % of all chain faults are a result of incorrect lubrication
- Chain lubricants in aerosol cans contain a solvent that leaves behind a slimy oil film with an inadequate lubricating effect when there is improper removal of contaminants.

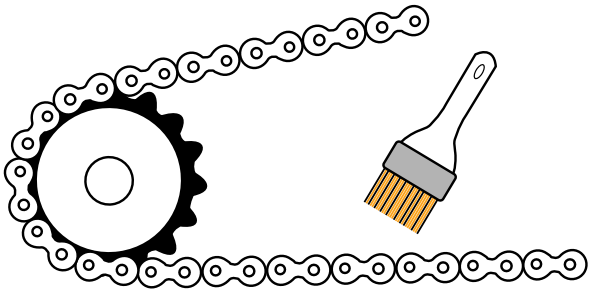
GOOD LUBRICATION PROLONGS CHAIN LIFESPAN:

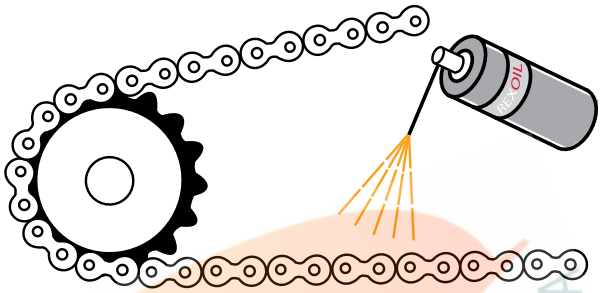


Relubrication Methods

MANUAL LUBRICATION

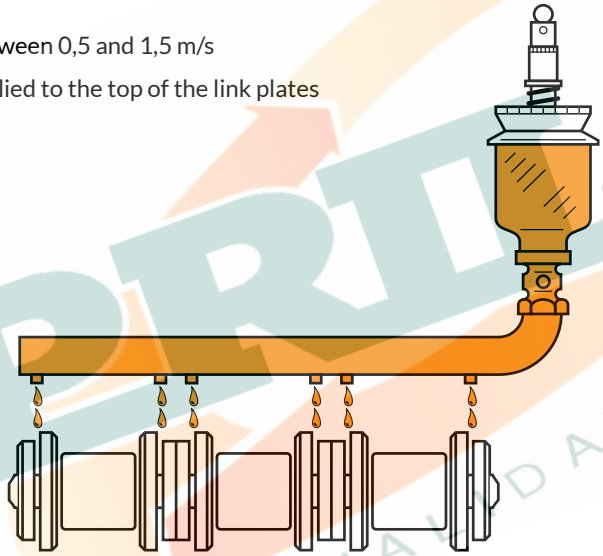
- For chain speeds up to approximately 0,5 m/s
- Apply oil with brush, oil can or aerosol can
- Use free-flowing lubricant e.g. RexOil





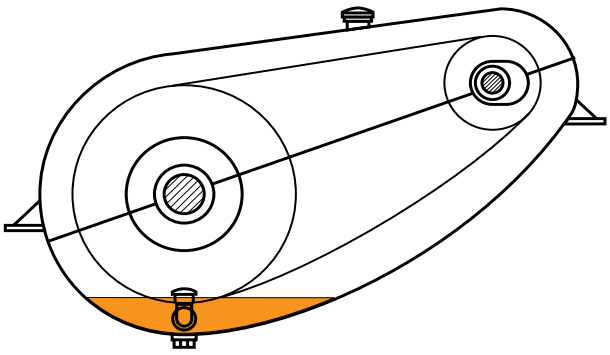
DRIP LUBRICATION

- For chain speeds between 0,5 and 1,5 m/s
- Lubricant is only applied to the top of the link plates



OIL BATH LUBRICATION

- For chain speeds between 1,5 and 8 m/s
- Fit an oil splasher disc next to the sprocket for speeds between 4 and 8 m/s
- To prevent formation of foam, make sure that the chain sprocket and chain are not dipped too deeply into the oil.

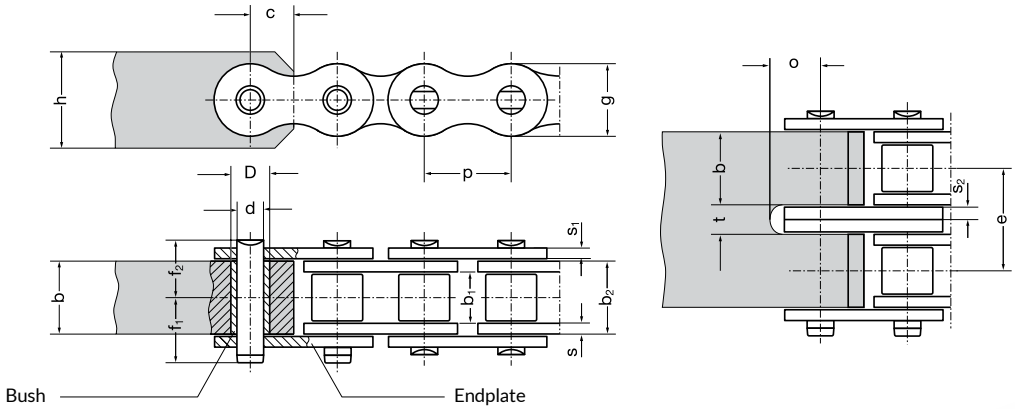


Rexnord Ex-Works Lubricant Characteristics and Advantages

Identification	Viscosity	Flash Point	Temperature Range	Food-stuffs	Uses	Special Features	Particular Advantages
VSK001 (L01) RexPro lubricant	178 (40°C)	> 210°C	-30°C to 130°C	NSF H2	Lubrication and preservation of roller and leaf chains	WGK 2	• Very good corrosion protection • Long service life and high reliability • Good adhesion • NSF H2 certification
VSK005 (L05) Corrosion protection oil	3 (40°C)	> 56°C	-10°C to 40°C	no	Special anti- corrosion agent for chains in storage	WGK 1	• Good corrosion protection • Displaces moisture • Unproblematic relubrication with other media possible
VSK006 (L06) Long-life lubricant	7500 (40°C)	> 200°C	0°C to 120°C	no	For exposed drive chains and lifting chains running at low to high speeds, papermaking-, packaging-, wood processing machines and industrial handlers; also for wit-running chains, with hydro-capillary effect		• Also suitable for high-speed applications • Long-term lubrication • Good adhesion • Very good wear resistance
VSK008 (L08) High- and low-temperature lubricant	350 (40°C)	> 250°C	-30°C to 400°C	no	Especially suited for drying kilns		• Drip-resistant • Good wear resistance • Transition to dry lubrication at temperatures above 180°C
VSK010 (L10) Long-life lubricant	–	> 250°C	-15°C to 75°C	no	Drive chains and lifting chains in industrial handling equipment and toolmaking machines	Synthetic solid lubricants, high pressure resistance	• Good wear resistance • Good emergency operation characteristics due to solid lubricants • Long-term lubrication • Drip-resistant
VSK012 (L12) High- and low-temperature lubricant	105 (40°C)	> 200°C	-40°C to 220°C	NSF H2	Good wear resistance and good emergency running characteristics in high-temperature applications. Suitable for lubrication of chains subject to high temperatures (conveyor systems, furnaces) and refrigerated warehouses.	Solid lubricants	• Good wear resistance • Special solid lubricants with good emergency operation characteristics in emergencies • Fully synthetic
VSK015 (L15) High-temperature lubricant	220 (40°C)	> 273°C	-5°C to 250°C	no	High temperature chain oil for transport and conveyor chains in the automotive industry	Compatible with cathodic immersion paint systems	• Low lubricant consumption • Good wear resistance • Minimal residue formation • Very good resistance to oxidation and aging
VSK016 (L16) Food-grade lubricant	1500 (40°C)	> 200°C	-25°C to 120°C	NSF H1	Food and pharmaceutical industry	Synthetic oil	• Food-grade lubricant with NSF H1 certification • Aging and oxidation stability
VSK018 (L18) Food-grade wax lubricant	1500 (40°C)	> 200°C	-40°C to 120°C	NSF H1	Long-life and lifelong lubrication of all types of sliding surfaces with mainly mixed friction	Also for dusty environments	• Non-drip • Non-slip surface • Wax-like structure • Food-grade lubricant with NSF H1 certification • Long-life product • Good wear resistance • Good corrosion protection
VSK020 (L20) Food-grade lubricant	32 (40°C)	> 200°C	-35°C to 120°C	NSF H1	Food and beverage industry	Excellent for chains running in guide rails Thin lubricant film	• Food-grade lubricant with NSF H1 certification • Aging and oxidation stability

Identification	Advantages
VSK001 (L01)	**RexPro lubricant – increased corrosion protection** Significantly improved corrosion protection and very good wear resistance properties. Consistent film thickness also reduces the danger of excessive lubrication. Low environmental impact that complies with the strict standards required by the Environmental Management Certificate in accordance with DIN EN ISO 14001 and the environmental standards of leading market manufacturers. RexPro is suitable for food industry applications where direct contact with the products must be prevented. RexPro is registered in the NSF category H2 and suitable for use in the electrical and electronics industry. RexPro is ROHS compliant and drip-proof at ambient temperatures up to + 50° C. Can be used at temperatures between approx. - 30° C and + 130° C.
VSK005 (L05)	**Corrosion protection oil (not a lubricant)** Water-repellent corrosion protection agent for chains in storage. Can be removed with alkaline degreasing solutions. The application temperature ranges from approximately -10 °C to +40° C. Relubrication with other media is also possible and does not cause any problems.
VSK006 (L06)	**Long-life lubricant** This "long-life" product is particularly well suited for high-speed applications, such as packaging machines, wood processing machinery and conveyor systems. The product is a special lubricant made from mineral oil, with a viscosity and appearance similar to honey. VSK006 contains special adhesion additives, which can significantly reduce or eliminate the risk that the material being transported could be contaminated by oil dripped or sprayed from chains running at high speed. It provides good protection against wear and corrosion. VSK006 can be used at temperatures ranging from approx. 0° C to + 120° C.
VSK008 (L08)	**High- and low-temperature lubricant** This lubricant contains a combination of solid lubricants. After liquid substances evaporate at temperatures above +180° C, the solid lubricants form a dry lubricant film that can still have a lubricating effect up to +400° C. Service temperature from -30° C to +180° C, lubricating effect up to+400 °C (dry lubrication),
VSK010 (L10)	**Long-term lubricant** A light-coloured, highly adhesive, solvent-free lubricant with very good creep capacity. Its thixotropic properties ensure that the lubricant film retains a hard, wax-like consistency when there is no movement, providing reliable protection against corrosion. During movement, the lubricant rapidly transitions into a liquid state, thereby facilitating good creep behavior.
VSK012 (L12)	**High- and low-temperature lubricant** This product is suitable for the temperature range - 40° C to + 220° C. On the one hand it is used on chains that operate in temperatures below 0° C – on lifting devices in refrigerated warehouses, for example, and machines operating in outdoor conditions. On the other hand, it is also used in high-temperature ranges, for example on chains that are operated in ovens and drying facilities. This thermally stable synthetic oil contains special solid lubricants with emergency operation characteristics.
VSK015 (L15)	**High-temperature lubricant** This lubricant is suitable for high-temperature applications up to + 250° C and is used for lubricating conveyor chains and oven chains in cathodic immersion painting. It is also suitable for all other applications in car body painting and similar applications. The new type of ester base oil offers better resistance to aging, and any residues are dissolved by relubrication with fresh oil. Because so little residue is deposited, maintenance and repair expenses are reduced.
VSK016 (L16)	**Food-grade lubricant** This lubricant, which was specially formulated for the food industry, is suitable for temperatures ranging from approx. - 25° C to +120° C.It exhibits good wear protection and EP characteristics, as well as good performance in cold conditions. Along with corrosion protection it also offers good aging resistance and oxidation stability. The components of this product are compliant with the requirements of the „Guidelines of Sec. 21 CFR 178.3570" of FDA regulations" and have NSF H1 certification.
VSK018 (L18)	**Food-grade wax lubricant** Product VSK018 is suitable for use in a dusty environment, such as in packaging, paper or textile machines, and in applications in the food industry. The wax-like product has NSF H1 certification and can be used everywhere where there is occasional, technically unavoidable contact with foodstuffs. The wax is also provides good corrosion protection. When tested in an alternating condensation climate (DIN 50017 KFW), the condensation rate was 0 after 30 cycles (= 720 hr).This corresponds to the performance of high-quality rustproofing agents. It also provides protection against friction, wear and tribo corrosion (fretting corrosion).
VSK020 (L20)	**Food-grade lubricant** This lubricating oil, which is also NSF H1-registered, is used in the food and beverage industry. It is particularly suitable for temperatures from approx. - 35° C to + 120° C and for chains running in guide rails. Additional features are good wear resistance, as well as resistance to aging and oxidation stability.

Connecting Dimensions for Roller Chains —
European and American Standards



- Required material tensile strength of fixing elements: at least 490 N/mm²
- To increase wear resistance, fit a bush (surface hardness rating approximately 60 HRc) to the connecting element, if joint mobility is required at the connection point. Hardened bushes are not required in case of static loading. Please order bushes using the corresponding chain part number
- The bush bore diameters d^{C10} result from press-fitting in bore diameter D^{S7}. If no bushes are fitted, the bore d^{C10} is inserted directly into the connection element

Connecting Dimensions for Roller Chains, European Standard, ISO 606 / DIN 8187

Chain no.	Pitch		Width between inner plates	Width over inner link		Plate thickness		Plate depth	Transverse pitch						Bore diameter			
	p		b_1 min.	b_2 max.	s	s_1	s_2	g	e	f_1	f_2	h	b max.	c	d^{C10}	D^{S7}	t	o
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
08 B	0.50	12.70	7.75	11.30	1.70	1.70	1.25	11.60	13.92	10.30	8.40	11	11.20	6.0	4.45	6.27	2.7	7.5
10 B	0.625	15.875	9.65	13.28	1.70	1.50	1.50	14.60	16.59	11.30	9.40	13	13.20	7.5	5.08	7.00	3.2	8.0
12 B	0.75	19.05	11.68	15.62	1.80	1.80	1.80	15.90	19.46	13.20	11.10	16	15.60	10.0	5.72	8.75	3.8	9.5
16 B	1.00	25.40	17.02	25.40	3.75	3.05	3.05	20.50	31.88	21.60	17.70	20	25.40	14.0	8.28	11.70	6.4	13.0
20 B	1.25	31.75	19.56	29.00	4.50	3.50	3.50	25.70	36.45	24.10	20.20	26	29.00	16.5	10.19	14.00	7.4	16.5
24 B	1.50	38.10	25.40	37.90	6.00	5.00	5.00	33.00	48.36	31.60	26.90	33	37.90	19.5	14.63	18.99	10.6	20.0
28 B	1.75	44.45	30.99	46.50	6.50	5.50	6.00	37.00	59.56	36.60	31.60	36	46.50	23.0	15.90	21.64	12.6	24.0
32 B	2.00	50.80	30.99	45.50	7.00	6.30	6.30	41.20	58.55	38.40	32.50	42	45.50	27.0	17.81	23.12	13.2	27.0
40 B	2.50	63.50	38.10	55.70	8.50	8.00	8.00	51.50	72.29	47.50	39.40	52	55.70	35.0	22.89	29.18	16.6	35.0
48 B	3.00	76.20	45.72	70.50	12.00	10.00	10.00	65.00	91.21	56.00	49.20	64	70.50	40.0	29.24	37.90	20.6	40.0
56 B	3.50	88.90	53.34	81.30	13.60	12.00	12.00	80.00	106.60	64.80	57.80	77	81.30	45.0	34.32	43.50	25.0	51.0

Connecting Dimensions for Roller Chains, American Standard, ISO 606 / DIN 8188

Chain no.	Pitch		Width between inner plates	Width over inner link		Plate thickness		Plate depth	Transverse pitch						Bore diameter			
	p		b_1 min	b_2 max	s	s_1	s_2	g	e	f_1	f_2	h	b max	c	d^{C10}	D^{S7}	t	o
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
40	0.50	12.70	7.85	11.15	1.50	1.50	1.50	11.60	14.38	11.2	8.1	11	11.10	6.0	3.96	5.98	3.2	7.0
50	0.625	15.875	9.40	13.80	2.00	2.00	2.00	14.60	18.11	12.0	10.2	13	13.80	7.7	5.08	7.65	4.2	9.0
60	0.75	19.05	12.57	17.70	2.40	2.40	2.40	17.70	22.78	14.4	12.8	16	17.60	9.0	5.94	9.00	5.0	10.0
80	1.00	25.40	15.75	22.50	3.05	3.05	3.05	23.60	29.29	20.4	16.5	22	22.30	12.0	7.92	11.67	6.8	14.0
100	1.25	31.75	18.90	27.40	4.00	4.00	4.00	29.20	35.76	23.7	19.7	26	27.40	15.5	9.53	13.82	8.4	17.5
120	1.50	38.10	25.22	35.30	4.70	4.70	4.70	34.40	45.44	30.0	24.9	30	35.20	18.5	11.10	16.13	9.8	20.0
140	1.75	44.45	25.22	37.00	5.50	5.50	5.50	40.80	48.87	31.6	26.7	36	37.00	21.5	12.70	18.29	11.6	23.5
160	2.00	50.80	31.55	45.00	6.30	6.30	6.30	47.80	58.55	36.4	31.8	42	44.70	24.0	14.27	20.70	13.2	27.5
180	2.25	57.15	35.48	50.50	7.00	7.00	7.00	54.00	65.35	41.4	35.7	47	50.60	27.0	17.46	25.35	14.6	32.0
200	2.50	63.50	37.85	54.70	8.00	8.00	8.00	59.50	71.55	45.0	39.0	52	54.60	30.0	19.84	28.38	16.6	34.5
240	3.00	76.20	47.35	67.50	9.50	9.50	9.50	70.00	87.33	55.5	47.4	62	67.50	37.0	23.80	34.28	19.6	41.0

Overview of Rexnord Roller Chain Product Portfolio

Extreme Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Attachments
RexPlus Roller Chain	●	●	●	∞	⚗	💧	🍃	VSK016 Food-grade lubricant**	✓
RexAthletic Roller Chain	●●	●●	●●	∞ ∞			🍃 🍃	VSK006 Long-term lubricant	✓ ✓
RexHiPro Roller Chain	●●	●●	●●	∞	⚗	💧 💧	🍃 🍃	VSK001 Pre-lubrication Corrosion protection	
RexCarbon Roller Chain	●●	● ●	●	∞ ∞			🍃 🍃	VSK016 Food-grade lubricant**	✓ ✓
RexPlus Carbon Roller Chain	●	●	●	∞ ∞	⚗	💧	🍃	VSK016 Food-grade lubricant**	✓
RexProX Roller Chain	●●	●●	●●	∞		💧	🍃 🍃	VSK001 lubricant	
RexHiPro Athletic Roller Chain	●●	●●	●●	∞ ∞	⚗	💧 💧	🍃 🍃	VSK018 Food-grade lubricating wax**	
ReXtreme Roller Chain	●●	●●	●●	∞ ∞	⚗	💧	🍃 🍃	VSK015 High-temperature lubricant	✓

* Special or other lubrication types on request
** NSF H1 Certification

High Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Attachments
RexPro Roller Chain	●●	●●	●●	∞		💧	🍃 🍃	VSK001 RexPro lubricant	✓ ✓ ✓

Approved Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication	Attachments
Link-Belt Roller Chain	●●	●●	●●	∞			🍃	Pre-lubrication Corrosion protection	

● Loading capacity
💧 Damp corrosion resistance
⚗ Acid corrosion resistance
∞ Wear resistance
🍃 Eco-friendly

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An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

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