



Industries Served:

- Automotive
- Food & Beverage
- Agriculture
- Construction
- Logistics & Transportation
- Material Handling
- Wood

Features:

- High fatigue resistance
- Improved wear resistance
- Good corrosion protection
- Environmental friendly
- Manufactured from high-performance materials
- Ball-drifted plate holes
- Seamless rollers
- Shot-peened pins, plates, bushes and rollers
- Delivered adjusted and free of twist on request
- NSF H2 certification, RoHS:2011 compliant for electronics industry

Benefits:

- Minimal pre-running elongation
- Longer working life
- High impact strength
- Robust under tough conditions
- Maximum operating reliability
- Improved cost-effectiveness

Lubrication:

- Rexnord 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
- Teflon- and silicone-free

Rexnord RexPro Roller Chain

High Performance by Rexnord

Rexnord RexPro Roller Chain is the standard for quality chains. It can be used in versatile and aggressive ambient conditions and still achieve a high performance. The Chain is available in different versions like H/HE-Series, side bow, rotary, etc. and with attachments and extended pins.

Good corrosion protection

Rexnord RexPro Roller Chain has a good corrosion protection tested according to the Salt-Spray Test DIN 50021 SS. This results in a better protection against stiff chain links and a longer working life.

No heavy metals

The lubrication for Rexnord RexPro Chain contains no heavy metals, no Teflon and no Silicone and thereby offers a wide spectrum of applications.

Improved wear resistance

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

Roller

The special heat treatment and intensive shot-peening of the rollers guarantee high shock resistance against running-in impacts.

Inner plate

The ball-drifting of the plate bores results in a significant improvement in the press fits and the fatigue strength.

Pin

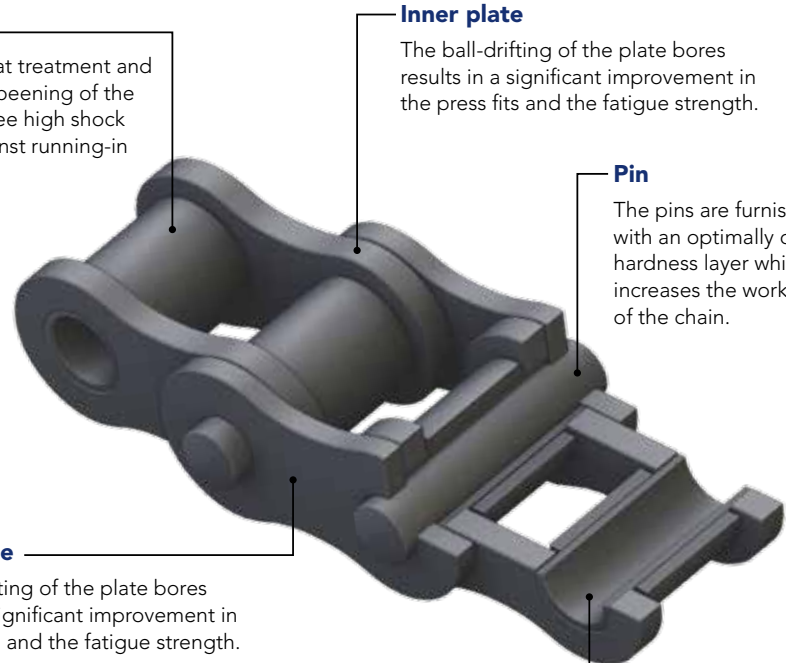
The pins are furnished with an optimally deep hardness layer which increases the working life of the chain.

Outer plate

The ball-drifting of the plate bores results in a significant improvement in the press fits and the fatigue strength.

Bush

The bushes are furnished with an optimally deep hardness layer which increases the working life of the chain.



European standard – Rexnord RexPro Roller Chain ISO 606 / DIN 8187 *

Simplex roller chain

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

*This table only contains the data for the Simplex Rexnord RexPro Roller Chain according to the European Standard. For all available versions please consult the complete catalog or contact Rexnord.

