

# RexAthletic Roller Chain

## EXTREME PERFORMANCE BY REXNORD

Rexnord RexAthletic® low-maintenance Roller Chain contains low-friction chain joints and provides long relubrication intervals. This chain features high dynamic loading capabilities, long wear life and high wear resistance.

### LOW MAINTENANCE

Due to the high performance long-term lubrication the friction and the need for maintenance is reduced and the lubrication intervals are significantly longer. This is ideal in case the maintenance and lubrication possibilities are limited. The special coating of the pins and bushes offers a very good sliding characteristic.

### HIGH DYNAMIC LOADING CAPABILITY

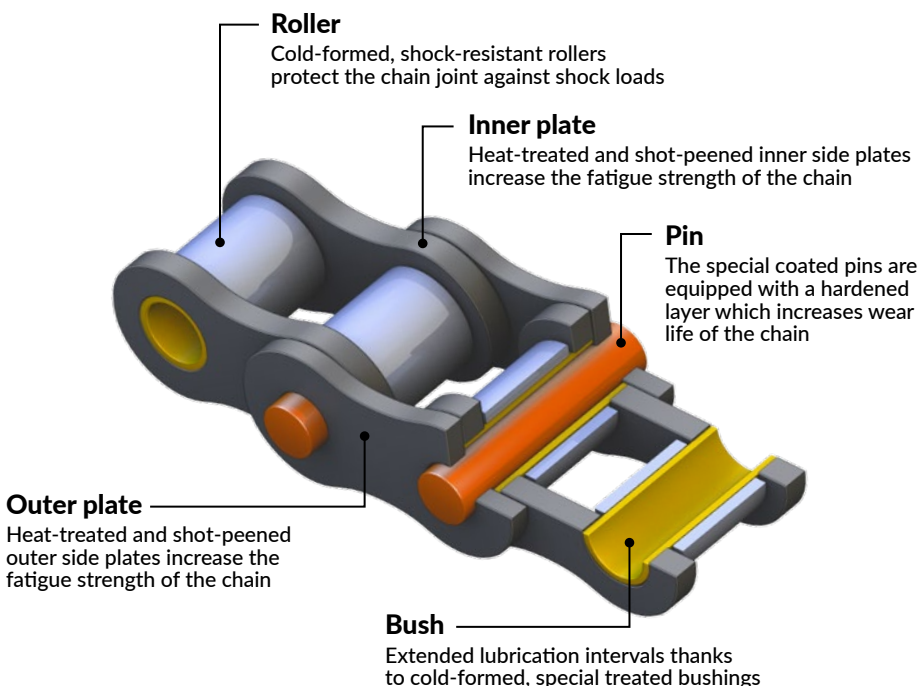
The Rexnord RexAthletic Roller Chain is ideal for heavy loading applications in difficult conditions and in closed systems. It's also suitable for situations where high fatigue resistance is required.

### LONG WEAR LIFE

Even with minimum lubrication and under heavy loads the Rexnord RexAthletic Roller Chain has a high wear resistance and a long wear life. The wear life is much longer compared to standard chains. The chain contains improved protection against stiff joints and links.

### BENEFITS

- Reduced maintenance and longer lubrication intervals
- High wear resistance even with inadequate lubrication
- Extended wear life under tough loading conditions
- Cost-effective



### Industries Served

- Material Handling
- Automotive
- Food & Beverage
- Agriculture
- Energy
- General Mechanical Engineering

### Features:

- Outstanding tribological characteristics
- Excellent sliding properties
- High fatigue strength and chain traction
- Improved protection against chain joint stiffness
- NSF H2 certification for the food industry
- Chain sizes with pitch from 12.7 millimeter (mm) to 50.8 mm available (special sizes on request)
- Dimensions in accordance with DIN, ANSI and ISO standards

### Lubrication:

- High quality long-term lubricant
- No dripping of lubricant
- Water-resistant
- Temperature range from 0°C to +120°C
- Temperature range extension from -40°C to +250°C possible with high- or low-temperature lubricants

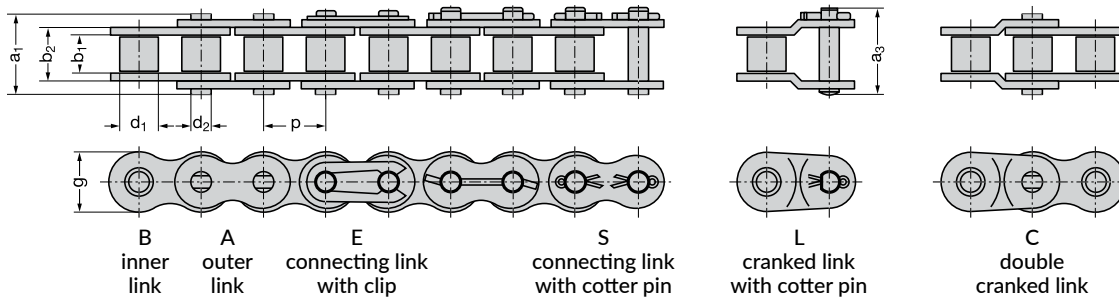
**EUROPEAN STANDARD – REXNORD REXATHLETIC ROLLER CHAIN DIN ISO 606 (DIN 8187)**

**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 DIN / ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts					
	p															b <sub>1</sub> min.	d <sub>1</sub> max.	d <sub>2</sub> max.	b <sub>2</sub> max.	g max.	e
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm <sup>2</sup>	N	N		kg/m					
08 B - 1 AT	0.50	12.70	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	x	
10 B - 1 AT	0.625	15.875	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	x	
12 B - 1 AT	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	x	
16 B - 1 AT	1.00	25.40	17.02	15.88	8.28	25.40	20.5	-	36.1	41.5	2.10	60 000	80 000	2.7	x	x	x	x	x	x	
20 B - 1 AT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	-	40.4	47.6	2.96	95 000	120 000	3.8	x	x	x			x	x
24 B - 1 AT	1.50	38.10	25.40	25.40	14.63	37.90	33.0	-	53.8	60.6	5.54	160 000	211 000	7.0	x	x	x			x	x
28 B - 1 AT	1.75	44.45	30.99	27.97	15.80	46.50	37.0	-	63.3	72.8	7.35	200 000	240 000	8.9		x	x			x	x
32 B - 1 AT	2.00	50.80	30.99	29.21	17.81	45.50	41.2	-	65.1	73.6	8.10	250 000	315 000	9.9	x	x	x			x	x

\* Also available as duplex or triplex on request

\*\* Loose parts are produced in Rexnord RexHiProAthletic version



**AMERICAN STANDARD – REXNORD REXATHLETIC ROLLER CHAIN DIN 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 DIN / ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts					
	p															b <sub>1</sub> min.	d <sub>1</sub> max.	d <sub>2</sub> max.	b <sub>2</sub> max.	g max.	e
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm <sup>2</sup>	N	N		kg/m					
60 - 1 AT	0.75	19.05	12.57	11.91	5.94	17.70	17.7	-	25.7	28.6	1.05	31 300	40 000	1.5	x	x	x			x	x
80 - 1 AT	1.00	25.40	15.75	15.88	7.92	22.50	23.5	-	33.0	38.0	1.78	55 600	65 000	2.6	x	x	x			x	x
100 - 1 AT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	-	39.4	44.9	2.61	87 000	105 000	4.0		x	x			x	x
120 - 1 AT	1.50	38.10	25.22	22.23	11.10	35.30	34.4	-	49.8	56.1	3.92	125 000	145 000	5.5		x	x			x	x
140 - 1 AT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	-	53.4	59.3	4.70	170 000	220 000	7.5		x	x			x	x
160 - 1 AT	2.00	50.80	31.55	28.58	14.27	45.00	47.8	-	63.6	68.9	6.42	223 000	260 000	10.2		x	x			x	x

\* Also available as duplex or triplex on request

\*\* Loose parts are produced in Rexnord RexHiProAthletic version

