



Industries Served:

- Automotive
- Food & Beverage
- Cosmetics / Pharmacy
- Packaging Industry

Features:

- Outstanding tribological characteristics
- High wear resistance
- High-tech carbon sliding sleeves
- Extremely robust
- NSF H1 certification
- Low-friction chain bearing
- Relubrication is not required although it reduces friction in the application

Benefits:

- Extremely long service life, even without relubrication
- No machine downtime for relubrication
- Low-noise and eco-friendly
- High energy efficiency

Lubrication:

- With food-grade ex-works lubrication
- Temperature range from -40°C to +120°C
- For temperatures from +120°C to +175°C please consult Rexnord Engineering
- A paint-compatible lubrication is available upon request

Rexnord RexCarbon Roller Chain

Extreme Performance by Rexnord

Rexnord RexCarbon **maintenance-free** Roller Chain contains RexCarbon sliding sleeves that require no relubrication. This chain produces less noise compared to sinterbush chain.

Maintenance-free

The high-tech thermoplastic bushes in the Rexnord RexCarbon Roller Chain take over the function of lubrication. Thanks to the low friction in the chain link, no maintenance is needed. You won't experience any downtime in your production cycle.

Improved safety

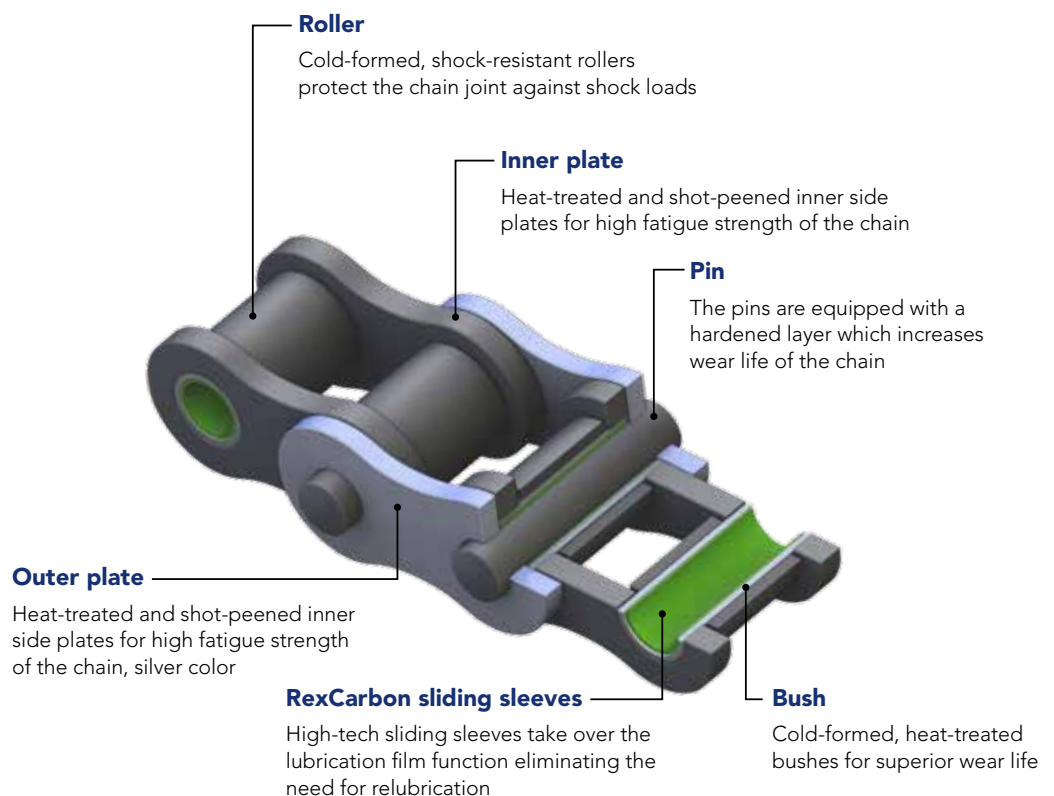
The Rexnord RexCarbon Roller Chain makes it possible to create an extra safe and clean working environment since there is no lubrication needed.

Environmentally friendly

The chain is environmentally friendly since there is no relubrication needed. It's completely free of silicone and Teflon and differentiates itself by its low-noise running.

High wear resistance

The chain is very robust, it contains case hardened pins and the sliding surface of the chain joint itself has wear-minimizing characteristics. Together with the low friction in the chain link, this results in a high wear resistance of the chain.



Recommended chain tractive power for appropriate speeds

Chain No.	temperature range from -40°C to +80°C admissible tractive power for				temperature range +80°C to +120°C* admissible tractive power for	
	N up to 0,5 m/s	N up to 1,0 m/s	N up to 1,5 m/s	N up to 2,0 m/s	N up to 0,5 m/s	N up to 1,0 m/s
	08 B - 1 CB	850	750	650	500	680
10 B - 1 CB	1100	1000	900	670	880	800
12 B - 1 CB	1500	1300	1100	890	1200	1040
16 B - 1 CB	3500	3100	2700	2100	2800	2480
08 B - 2 CB	1500	1300	1100	900	1200	1000
10 B - 2 CB	1900	1800	1600	1200	1500	1400
12 B - 2 CB	2600	2300	1900	1600	2100	1800
16 B - 2 CB	6100	5400	4700	3700	4900	4300

* For temperatures above +120°C please consult Rexnord Engineering (available up to +175°C)

European standard – Rexnord RexCarbon Roller Chain DIN 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	Average tensile strength	Weight	Straight sided plate	Loose parts		
	p		b ₁ min.	d ₁ max.	d ₂ max.	b ₂ max.	g max.	e	a ₁ max.	a ₃ max.	A	F _B	q	A	B	E	
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	kg/m			
08 B - 1 CB	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	16.7	20.0	0.50	17 000	0.70	x	x	x	
10 B - 1 CB	0.625	15.875	9.65	10.16	5.08	13.28	14.6	-	18.9	23.7	0.67	20 000	0.90	x	x	x	
12 B - 1 CB	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.3	27.3	0.89	31 500	1.15	x	x	x	
16 B - 1 CB	1.00	25.4	17.02	15.88	8.28	25.40	20.5	-	35.4	41.5	2.10	64 500	2.60	x	x	x	

* Deviated ultimate tensile strength and length intolerance (up to +0.3%)

** Duplex roller chain also available

