

# RexProX Roller Chain

## EXTREME PERFORMANCE BY REXNORD

Rexnord RexProX® load-resistant Roller Chain provides high static and dynamic loading capabilities and reliabilities. Therefore a long wear life, high breaking load and fatigue resistance is granted.

### ENVIRONMENTALLY FRIENDLY

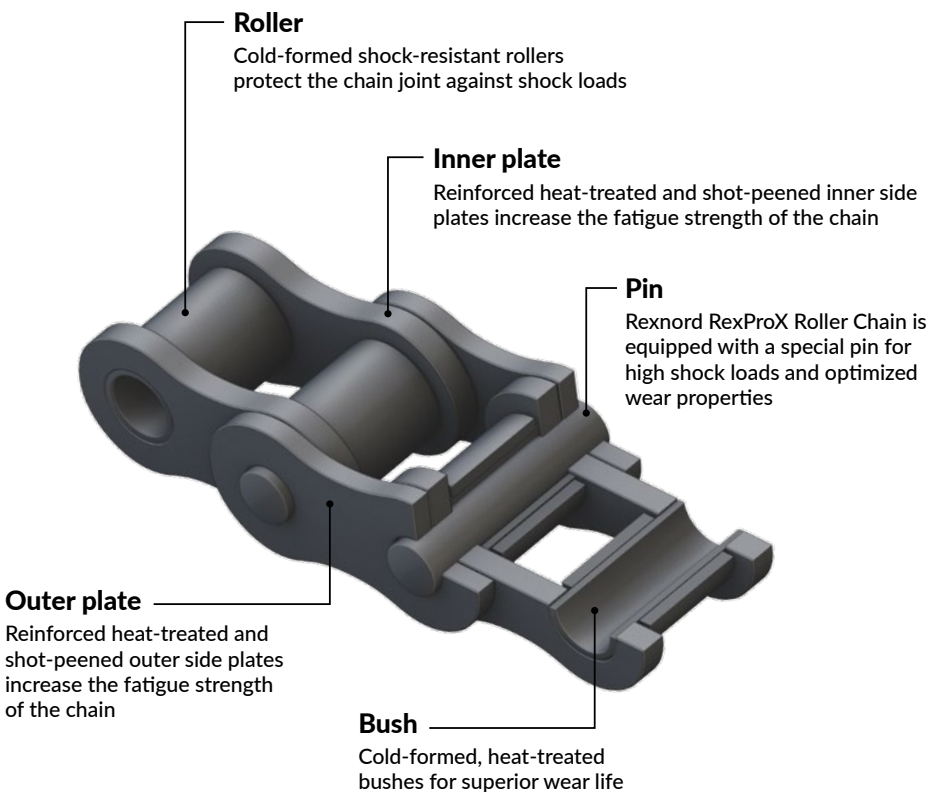
The chain contains no heavy metals, no Teflon or silicone. This results in an environmentally friendly product that is DIN EN ISO 14001 certified.

### EXTREME HIGH FATIGUE RESISTANCE

The Rexnord RexProX Roller Chain is very robust, even in difficult conditions. It has an extremely high impact strength due to calibrated plates, reinforced chain links and the seamless rollers. Through Rexnord RexPro Lubrication the chain is protected. All these factors result in an extreme high fatigue resistance.

### HIGH LOADING CAPACITY

In situations where heavy drives and lifting applications are needed, this chain is ideal. It has a high loading capacity in combination with maximum operational safety.



### Industries Served

- Mining & Metals
- Cement & Aggregate
- Forestry
- Agriculture
- Logistics & Transportation
- Construction

### Features:

- Enlarged bearing area
- Improved tensile strength
- Outstanding fatigue resistance
- Compatible with European types

### Benefits:

- For high-performance power transmission
- Very high impact strength
- Extremely robust, even under difficult conditions

### Lubrication:

- Excellent protection through RexPro Lubrication
- Operating temperature range: -30°C to +130°C (can be extended -40°C to +250°C)
- Contains no heavy metals; Teflon- and silicone-free

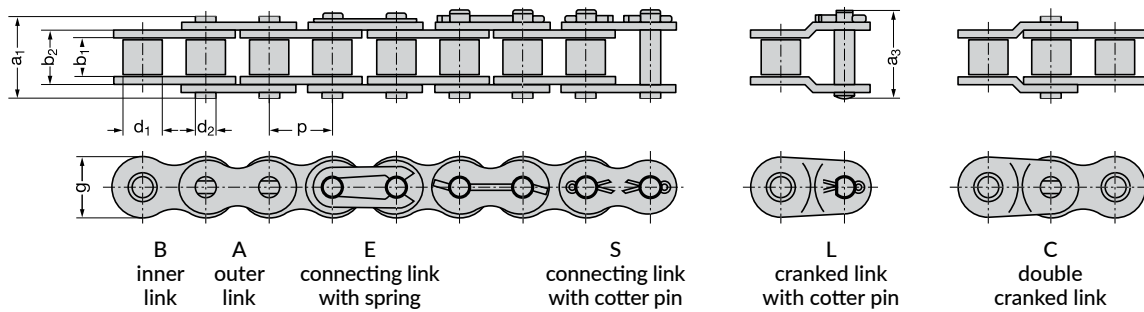
**REXNORD REXPROX ROLLER CHAIN FOR HEAVY-DUTY DRIVES AND LIFTING PURPOSES**

**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	Minimum tensile strength	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.	-	a <sub>1</sub> max.	a <sub>2</sub> max.	A	F <sub>U</sub>	F <sub>B</sub>	q		A	B	C	E	L	S
	Inch	mm	mm	mm	mm	mm	mm	-	mm	mm	cm <sup>2</sup>	N	N	kg/m							
Re 480	0.75	19.05	11.68	12.07	6.10	17.23	16.8	-	25.0	29.5	1.05	40 000	50 000	1.5		x	x		x	x	x
KRV 12	1.00	25.40	12.70	19.05	10.19	25.70	24.0	-	40.1	45.5	2.62	117 500	140 000	4.4		x	x				x

R 25 - 1 SH	1.00	25.40	17.02	15.88	8.28	25.40	24.0	-	35.4	38.5	2.10	85 000	105 000	3.2		x	x	x			x	x
R 31 - 1 SH	1.25	31.75	19.56	19.05	10.19	32.00	29.2	-	45.8	49.6	3.26	150 000	170 000	5.3		x	x					x
R 38 - 1 SH	1.50	38.10	25.40	25.40	14.63	40.00	36.2	-	56.7	63.3	5.85	235 000	250 000	8.7		x	x					x
R 44 - 1 SH	1.75	44.45	30.99	27.97	15.90	46.50	40.8	-	66.3	73.7	7.39	270 000	300 000	10.4		x	x					x
R 50 - 1 SH	2.00	50.80	30.99	29.21	17.81	45.50	47.8	-	66.5	75.0	8.10	385 000	415 000	11.5		x	x					x

\* Also available in larger sizes and as triplex on request



**REXNORD REXPROX ROLLER CHAIN FOR HEAVY-DUTY DRIVES AND LIFTING PURPOSES**

**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	Minimum tensile strength	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	a <sub>1</sub> max.	a <sub>2</sub> max.	A	F <sub>U</sub>	F <sub>B</sub>	q		A	B	C	E	L	S	
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm <sup>2</sup>	N	N		kg/m						
R 25 - 2 SH	1.00	25.40	17.02	15.88	8.28	25.40	24.0	31.88	67.4	70.7	4.21	170 000	190 000	6.4		x	x	x			x	x
R 31 - 2 SH	1.25	31.75	19.56	19.05	10.19	32.00	29.2	42.00	87.8	91.6	6.52	260 000	300 000	10.4		x	x					x
R 38 - 2 SH	1.50	38.10	25.40	25.40	14.63	40.00	36.2	52.00	108.7	115.3	11.70	450 000	500 000	17.0		x	x					x
R 44 - 2 SH	1.75	44.45	30.99	27.97	15.90	46.50	40.8	61.20	127.5	134.9	14.79	465 000	525 000	20.5		x	x					x
R 50 - 2 SH	2.00	50.80	30.99	29.21	17.81	45.50	47.8	60.20	126.7	135.2	16.21	650 000	725 000	22.5		x	x					x

\* Also available in larger sizes and as triplex on request

