

REXPRO™ LEAF CHAIN

HIGH PERFORMANCE



INDUSTRIES SERVED

- Logistics and transportation
- Fork lift trucks
- Telescopic handlers
- Machine tools

FEATURES

- High fatigue strength and improved wear resistance
- Improved protection against chain joint stiffness
- Dimensions in accordance with ISO and ANSI
- Manufactured from high-performance materials
- Calibrated plate holes
- Shot-peened components
- Silver Label with batch number for full traceability

BENEFITS

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

LUBRICATION

- Improved protection with 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

RexPro Leaf Chain is the standard for high performance leaf chain applications. With its outstanding fatigue strength and wear resistance it's a very robust chain, even in difficult conditions.

HIGH-QUALITY MATERIALS

RexPro Leaf Chain is manufactured with heavy-duty steel and lubricated with RexPro lubrication which results in a reliable chain for tough applications.

HIGH TENSILE AND DYNAMIC STRENGTH

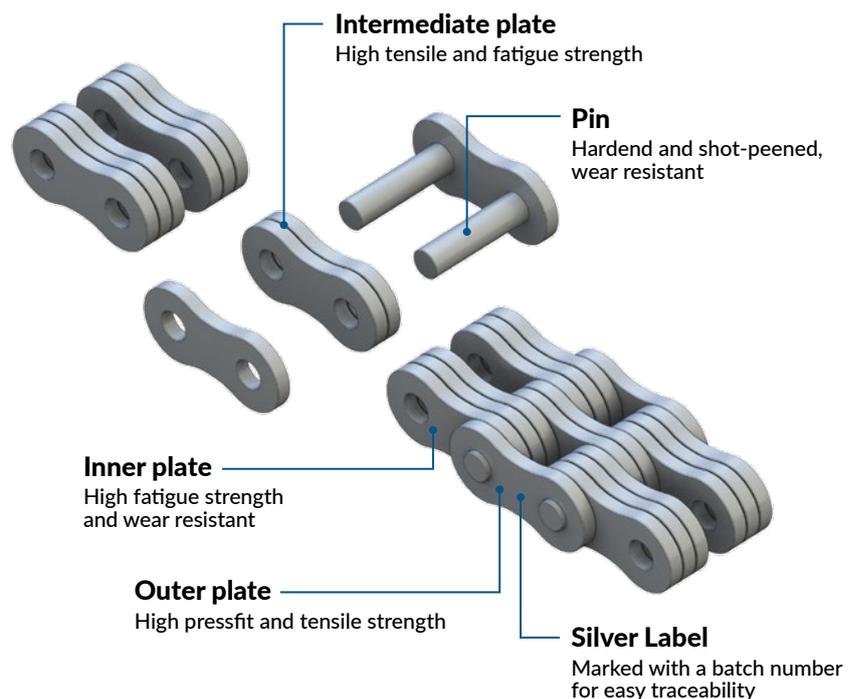
The combination of high-performance steel, an optimized manufacturing process and RexPro lubrication make the chain ideal for the widest range of heavy-duty applications and offer high dynamic load capacity.

TRACEABILITY WITH SILVER LABEL

The silver colored outer plates have a label number for full and consistent traceability.

CE MARKING

All RexPro Leaf Chains have the CE marking because they fulfill the requirements of Machinery Directive 2006/42/EC.



REXPRO™ LEAF CHAIN

RexPro Leaf Chain is available in F Series European Standard, BL Heavy and AL Light Series American Standard. In the following tables only the most common sizes of the F Series and BL Heavy Series are shown. For larger sizes and the AL Light Series, please contact Regal Rexnord.

F-SERIES - EUROPEAN STANDARD - REXPRO LEAF CHAIN ISO 4347

Chain No.*	ISO Chain No.	Pitch		Lacing	Pin diameter	Plate depth	Plate thickness	Length over 100 pitches	Pin length	Width between outer plates	Bearing area	Required minimum tensile strength ISO 4347	Rex™ minimum tensile strength	Fatigue strength	Weight
		p													
		Inch	mm												
				d ₁ max.	g	s	100 p	B max.	b ₃ min.	A	F _U	F _B	F _D	q	
					mm	mm	mm	mm	mm	mm	cm ²	N	N	N	kg/m
F 15-44	LL 1044	0.625	15.875	4 x 4	5.08	12.8	1.5	1596	15.0	9.6	0.30	44 000	48 000	6 800	1.0
F 15-66	LL 1066			6 x 6					21.5	16.0	0.46	66 000	72 000	8 800	1.4
F 19-44	LL 1244	0.75	19.05	4 x 4	7.92	14.8	1.8	1894	18.0	11.4	0.41	58 000	64 000	9 500	1.4
F 19-66	LL 1266			6 x 6					25.7	19.0	0.62	87 000	96 000	12 000	2.1
F 19V-44	-	0.75	19.05	4 x 4	6.50	15.2	2.35	1905	22.8	14.7	0.61	-	80 000	-	1.8
F 19V-66	-			6 x 6					32.7	24.5	0.92	-	120 000	-	2.5
F 25-44	LL 1644	1	25.04	4 x 4	8.28	20.5	3	2540	28.7	18.6	0.99	120 000	140 000	25 000	2.9
F 25-66	LL 1666			6 x 6					41.2	31.0	1.49	180 000	210 000	30 000	4.3
F 25-88	LL 1688			8 x 8					53.8	43.4	1.99	240 000	280 000	-	5.8
F 31-44	LL 2044			4 x 4					33.7	21.8	1.43	190 000	200 000	32 400	4.3
F 31-66	LL 2066	1.25	31.75	6 x 6	10.19	25.7	3.5	3155	48.6	36.6	2.14	285 000	300 000	37 500	6.4
F 31-88	LL 2088			8 x 8					63.5	51.4	2.85	380 000	400 000	-	8.4
F 38-44	LL 2444			4 x 4					46.9	31.2	2.93	340 000	340 000	-	8.2
F 38-66	LL 2466	1.5	38.1	6 x 6	14.63	33	5	3795	68.3	52.4	4.39	510 000	510 000	-	12.2
F 38-88	LL 2488			8 x 8					89.7	73.5	5.85	680 000	680 000	-	16.2

* Please contact Regal Rexnord regarding precision of fit with ISO or ANSI anchors.

BL SERIES - AMERICAN STANDARD - REXPRO LEAF CHAIN ISO 4347

Chain No.*	ISO Chain No.	Pitch		Lacing	Pin diameter	Plate depth	Plate thickness	Length over 100 pitches	Pin length	Width between outer plates	Bearing area	Required minimum tensile strength ISO 4347	Rex™ minimum tensile strength	Fatigue strength	Weight
		p													
		Inch	mm												
					d ₁ max.	g	s	100 p	B max.	b ₃ min.	A	F _U	F _B	F _D	q
					mm	mm	mm	mm	mm	mm	cm ²	N	N	N	kg/m
BL 523	LH 1023	0.625	15.875	2 x 3	5.94	14.6	2.4	1596	15.0	7.4	0.43	33 400	40 000	10 500	1.1
BL 534	LH 1034			3 x 4					20.0	12.3	0.57	48 900	60 000	11 500	1.5
BL 544	LH 1044			4 x 4					22.5	14.7	0.57	66 700	80 000	12 000	1.8
BL 546	LH 1046			4 x 6					27.4	19.6	0.86	66 700	80 000	14 000	2.2
BL 566	LH 1066			6 x 6					32.3	24.5	0.86	100 100	120 000	15 200	2.6
BL 588	LH 1088			8 x 8					42.2	34.3	1.14	133 600	160 000	17 000	3.4
BL 623	LH 1223	0.75	19.05	2 x 3	7.92	17.9	3.1	1905	20.0	9.6	0.74	48 900	62 000	16 300	1.8
BL 634	LH 1234			3 x 4					26.4	16.0	0.98	75 600	93 000	17 400	2.5
BL 644	LH 1244			4 x 4					29.5	19.2	0.98	97 900	124 000	19 000	2.9
BL 646	LH 1246			4 x 6					35.9	25.6	1.47	97 900	124 000	21 500	3.6
BL 666	LH 1266			6 x 6					42.5	32.0*	1.47	146 800	186 000	24 500	4.3
BL 823	LH 1623			2 x 3					24.8	12.3	1.14	84 500	110 000	30 000	3.0
BL 834	LH 1634	1.00	25.4	3 x 4	9.53	23.6	4.0	2540	33.1	20.5	1.52	129 000	165 000	32 000	4.2
BL 844	LH 1644			4 x 4					37.3	24.7	1.52	169 000	220 000	33 500	4.8
BL 846	LH 1646			4 x 6					45.7	33.0	2.29	169 000	220 000	38 500	6.0
BL 866	LH 1666			6 x 6					54.1	41.3	2.29	253 600	330 000	41 850	7.2
BL 888	LH 1688			8 x 8					70.8	57.9	2.97	338 000	440 000	45 000	9.6
BL 1023	LH 2023			2 x 3					28.9	14.4	1.56	115 600	164 000	47 500	4.4
BL 1034	LH 2034	1.25	31.75	3 x 4	11.10	29.2	4.7	3179	38.8	24.1	2.09	182 400	246 000	50 000	6.2
BL 1044	LH 2044			4 x 4					43.7	29.0	2.09	231 200	328 000	55 000	7.0
BL 1046	LH 2046			4 x 6					53.5	38.4*	3.12	231 200	328 000	62 000	8.7
BL 1066	LH 2066			6 x 6					63.5	48.6*	3.12	347 000	492 000	69 000	10.5
BL 1088	LH 2088			8 x 8					83.2	68.2*	4.17	462 400	656 000	74 000	13.9
BL 1223	LH 2423			2 x 3					33.6	16.8	2.1	151 200	200 000	64 000	6.0
BL 1234	LH 2434	1.50	38.1	3 x 4	12.70	34.4	5.5	3810	45.5	28.0	2.8	224 600	300 000	68 000	8.3
BL 1244	LH 2444			4 x 4					51.2	33.6	2.8	302 400	400 000	72 000	9.5
BL 1246	LH 2446			4 x 6					62.7	44.8	4.2	302 400	400 000	82 000	11.8
BL 1266	LH 2466			6 x 6					74.5	56.0*	4.2	453 600	600 000	90 000	14.1
BL 1288	LH 2488			8 x 8					97.8	78.4*	5.4	604 800	800 000	98 000	18.8

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Industrial Powertrain Solutions
Regal Rexnord

Contact us: [regalrexnord.com/contact](https://www.regalrexnord.com/contact)
[regalrexnord.com](https://www.regalrexnord.com)

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