



Industries Served:

- Harbors & docks
- Industrial lifting equipment
- Leisure parks
- Food & Beverage
- Automotive

Features:

- Anti-corrosion coating for all chain components
- Breaking strength and fatigue resistance as for Rexnord RexPro Leaf Chain
- Dimensions in accordance with ISO and ANSI standards
- No process-related hydrogen embrittlement
- No separate sprocket required
- Does not contain chromium VI: conforms to Directive 2011/65/EU, RoHS:2011 and Directive 2000/53/EU

Benefits:

- Excellent resistance to corrosion and wear
- Corrosion resistance for more than 600 hours (salt spray test in accordance with EN ISO 9227)
- Resistant against liquids from the automotive industry in accordance with VDA 621-412

Lubrication:

- Operating temperature from -30° C to +130° C
- With high temperature lubricants use is possible up to 250° C
- Use of RexPro lubricants free from heavy metals, silicone and Teflon
- NSF H2 certification
- RoHS:2011 compliant for the electronics industry

Rexnord RexHiPro Leaf Chain

Extreme Performance by Rexnord

Rexnord RexHiPro Leaf Chain has an excellent corrosion resistance and a very high, dynamic and long-term loading capacity. This chain can be used with water and aggressive liquids and still delivers an extremely long and continuous service.

Excellent corrosion resistance

All the single chain components have a special anti-corrosion coating which makes the resistance intact for over 600 hours (salt spray test conform to DIN EN ISO 9227). The Rexnord RexHiPro Leaf Chain is resistant to liquids from the automotive industry under VDA 621-412.

Traceability with silver label

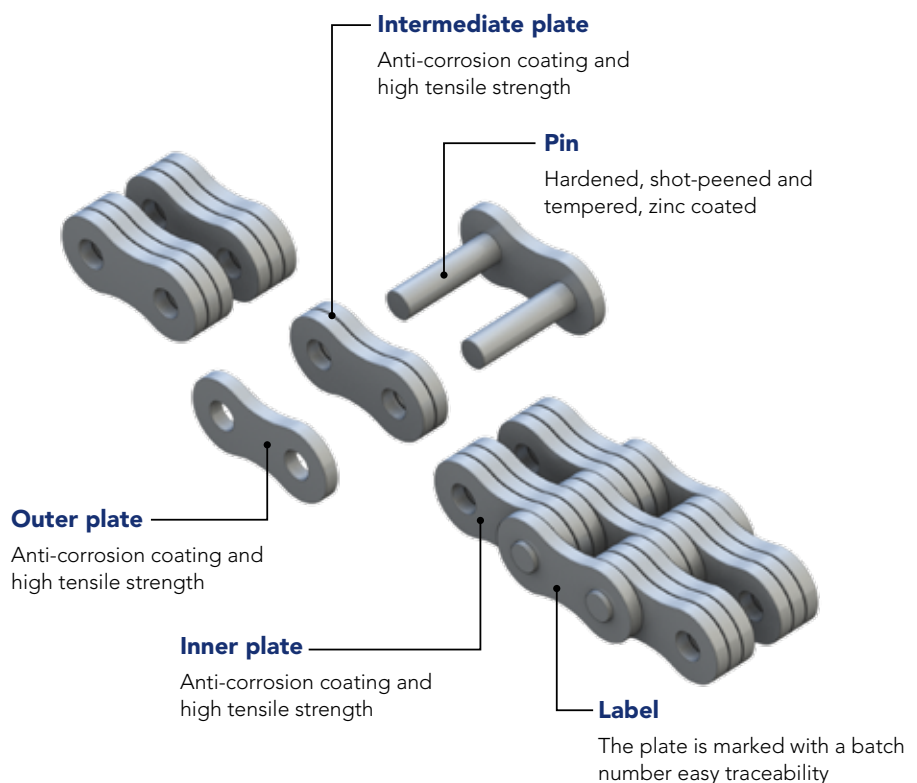
The silver colored outer plates have a label number for full and consistent traceability.

CE marking

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

High dynamic load

Compared to other coated chains the Rexnord RexHiPro Leaf Chain has a higher dynamic and static loading capacity. And no reduction of ultimate tensile strength.



Rexnord RexHiPro Leaf Chain is available in F Series European Standard, BL Heavy and AL Light Series American Standard. In the following table only the BL Heavy Series is shown. For F and AL Series, please contact Rexnord.

BL Heavy Series American standard – Rexnord RexHiPro Leaf Chain ISO 4347

Chain No.*	ISO chain number	Pitch		Lacing	Pin diameter d, max. mm	Plate depth g max. mm	Thickness of plates s mm	Length over 100 pitches mm	Overall width B max. mm	Bearing area A cm ²	Width between outer plates b ₃ min. mm	Required minimum tensile strength F _U N	Rexnord minimum tensile strength F _B N	Fatigue strength F _D N	Weight q kg/m						
		p																			
		Inch	mm																		
BL 523	LH 1023			2 x 3					15.0	0.43	7.4	33 400	40 000	10 500	1.1						
BL 534	LH 1034			3 x 4					20.0	0.57	12.3	48 900	60 000	11 500	1.5						
BL 544	LH 1044	0.625	15.875	4 x 4	5.94	14.6	2.4	1596	22.5	0.57	14.7	66 700	80 000	12 000	1.8						
BL 546	LH 1046			4 x 6					27.4							0.86	19.6	66 700	80 000	14 000	2.2
BL 566	LH 1066			6 x 6					32.3							0.86	24.5	100 100	120 000	15 200	2.6
BL 588	LH 1088			8 x 8					42.2							1.14	34.3	133 600	160 000	17 000	3.4
BL 622	LH 1222			2 x 2					16.6							0.51	6.4	48 900	62 000	13 000	1.5
BL 623	LH 1223	2 x 3							20.0	0.74	9.6	48 900	62 000	16 300	1.8						
BL 634	LH 1234	0.75	19.05	3 x 4	7.92	17.9	3.1	1905	26.4	0.98	16.0	75 600	93 000	17 400	2.5						
BL 644	LH 1244			4 x 4					29.5							0.98	19.2	97 900	124 000	19 000	2.9
BL 646	LH 1246			4 x 6					35.9							1.47	25.6	97 900	124 000	21 500	3.6
BL 666	LH 1266			6 x 6					42.5							1.47	32.0*	146 800	186 000	24 500	4.3
BL 822	LH 1622			2 x 2					20.6							0.74	8.2	84 500	110 000	22 000	2.4
BL 823	LH 1623	2 x 3							24.8	1.14	12.3	84 500	110 000	30 000	3.0						
BL 834	LH 1634	3 x 4							33.1	1.52	20.5	129 000	165 000	32 000	4.2						
BL 844	LH 1644	1.00	25.4	4 x 4	9.53	23.6	4.0	2540	37.3	1.52	24.7	169 000	220 000	33 500	4.8						
BL 846	LH 1646			4 x 6					45.7							2.29	33.0	169 000	220 000	38 500	6.0
BL 866	LH 1666			6 x 6					54.1							2.29	41.3	253 600	330 000	41 850	7.2
BL 888	LH 1688			8 x 8					70.8							2.97	57.9	338 000	440 000	45 000	9.6
BL 1023	LH 2023			2 x 3					28.9							1.56	14.4	115 600	164 000	47 500	4.4
BL 1034	LH 2034	3 x 4							38.8	2.09	24.1	182 400	246 000	50 000	6.2						
BL 1044	LH 2044	1.25	31.75	4 x 4	11.10	29.2	4.7	3179	43.7	2.09	29.0	231 200	328 000	55 000	7.0						
BL 1046	LH 2046			4 x 6					53.5							3.12	38.4*	231 200	328 000	62 000	8.7
BL 1066	LH 2066			6 x 6					63.5							3.12	48.6*	347 000	492 000	69 000	10.5
BL 1088	LH 2088			8 x 8					83.2							4.17	68.2*	462 400	656 000	74 000	13.9
BL 1223	LH 2423			2 x 3					33.6							2.1	16.8	151 200	200 000	64 000	6.0
BL 1234	LH 2434	3 x 4							45.5	2.8	28.0	224 600	300 000	68 000	8.3						
BL 1244	LH 2444	1.50	38.1	3 x 4	12.70	34.4	5.5	3810	51.2	2.8	33.6	302 400	400 000	72 000	9.5						
BL 1246	LH 2446			4 x 6					62.7							4.2	44.8	302 400	400 000	82 000	11.8
BL 1266	LH 2466			6 x 6					74.5							4.2	56.0*	453 600	600 000	90 000	14.1
BL 1288	LH 2488			8 x 8					97.8							5.4	78.4*	604 800	800 000	98 000	18.8
BL 1423	LH 2823			2 x 3					38.2							2.7	19.2	191 300	250 000		8.3
BL 1434	LH 2834	3 x 4							51.7	3.6	32.0	315 800	375 000		11.6						
BL 1444	LH 2844	1.75	44.45	4 x 4	14.27	40.8	6.3	4445	58.2	3.6	38.4	382 600	500 000		13.2						
BL 1446	LH 2846			4 x 6					71.5							5.4	51.2	382 600	500 000		16.4
BL 1466	LH 2866			6 x 6					85.0							5.4	64.0*	578 000	750 000		19.7
BL 1488	LH 2888			8 x 8					111.7							7.2	89.6*	765 200	1 000 000		25.9
BL 1623	LH 3223			2 x 3					42.1							3.67	21.3*	289 100	360 000		11.0
BL 1634	LH 3234	3 x 4							57.0	4.89	35.5*	440 400	540 000		15.4						
BL 1644	LH 3244	2.00	50.8	4 x 4	17.46	47.9	7.0	5080	63.8	5.0	42.6*	578 200	720 000		17.5						
BL 1646	LH 3246			4 x 6					78.9							7.33	56.8*	578 200	720 000		21.8
BL 1666	LH 3266			6 x 6					95.0							7.33	73.7*	867 400	1 080 000		26.2
BL 1688	LH 3288			8 x 8					125.6							9.78	103.5*	1 156 400	1 440 000		34.9

* Please contact Rexnord regarding precision of fit with ISO anchors

