

# RexHiPro™ Leaf Chain

EXTREME PERFORMANCE



## INDUSTRIES SERVED

- Harbors & docks
- Industrial lifting equipment
- Outside application
- Food & beverage
- Automotive

## FEATURES

- Anti-corrosion coating for all chain components
- Tensile strength and fatigue resistance as for RexPro Leaf Chain
- Dimensions in accordance with ISO and ANSI standards
- No process-related hydrogen embrittlement
- 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

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 RexHiPro Leaf Chain is resistant to liquids from the automotive industry under VDA 621-412.

## HIGH DYNAMIC LOAD

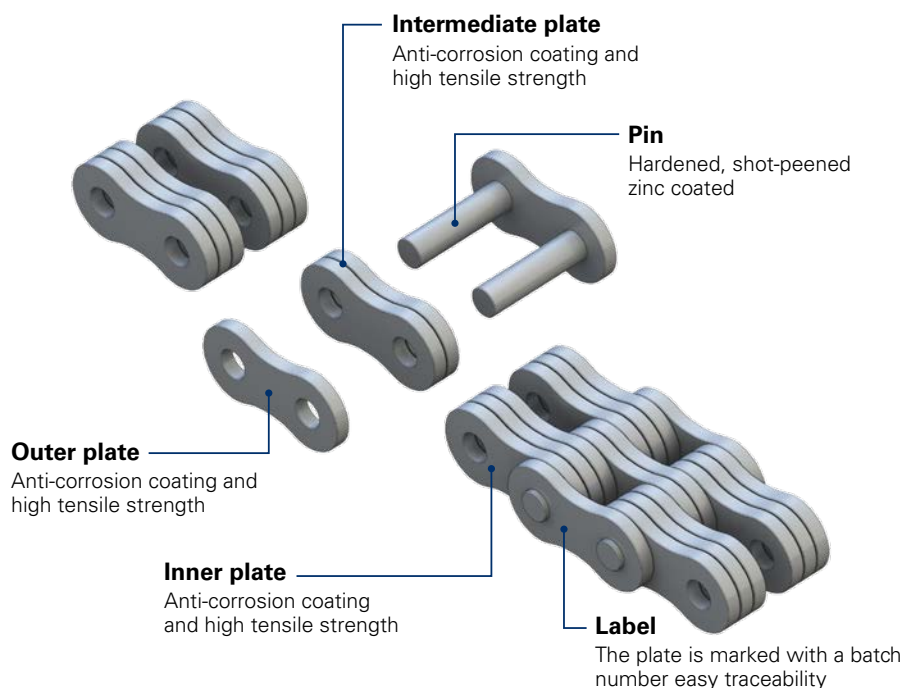
Compared to other coated chains the RexHiPro Leaf Chain has a higher dynamic and static loading capacity. And no reduction of ultimate tensile strength.

## TRACEABILITY WITH SILVER LABEL

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

## CE MARKING

All RexHiPro Leaf Chains have the CE marking because they fulfill the requirements of Machine Directive 2006/42/EC. coating for all chain parts and the high strength and long-term loading capacity.



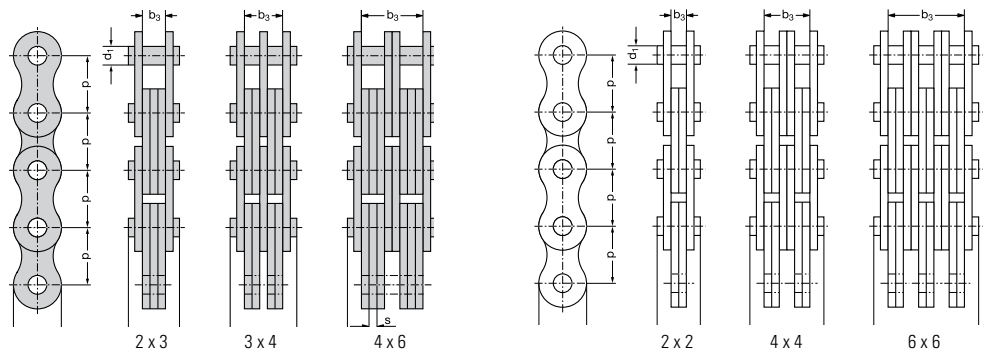
# RexHiPro™ Leaf Chain

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 Regal Rexnord.

## BL HEAVY SERIES AMERICAN STANDARD – REXHIPRO LEAF CHAIN ISO 4347

Chain No.*	ISO Chain No.	Pitch		Lacing	Pin diameter d <sub>1</sub> max.	Plate depth g	Plate thickness s	Length over 100 pitches 100 p	Pin length B max.	Width between outer plates b <sub>2</sub> min.	Bearing area A	Required minimum tensile strength ISO 4347 F <sub>U</sub>	Rex™ minimum tensile strength F <sub>B</sub>	Rex fatigue strength F <sub>0</sub>	Weight q
		p													
		Inch	mm												
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 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	1.00	25.4	2 x 3	9.53	23.6	4.0	2540	24.8	12.3	1.14	84 500	110 000	30 000	3.0
BL 834	LH 1634			3 x 4					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 1023	LH 2023	1.25	31.75	2 x 3	11.10	29.2	4.7	3179	28.9	14.4	1.56	115 600	164 000	47 500	4.4
BL 1034	LH 2034			3 x 4					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 1223	LH 2423	1.50	38.1	2 x 3	12.70	34.4	5.5	3810	33.6	16.8	2.1	151 200	200 000	64 000	6.0
BL 1234	LH 2434			3 x 4					45.5	28.0	2.8	224 600	300 000	68 000	8.3
BL 1244	LH 2444			3 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 1423	LH 2823	1.75	44.45	2 x 3	14.27	40.8	6.3	4445	38.2	19.2	2.7	191 300	250 000		8.3
BL 1434	LH 2834			3 x 4					51.7	32.0	3.6	315 800	375 000		11.6
BL 1444	LH 2844			4 x 4					58.2	38.4	3.6	382 600	500 000		13.2
BL 1446	LH 2846			4 x 6					71.5	51.2	5.4	382 600	500 000		16.4
BL 1466	LH 2866			6 x 6					85.0	64.0*	5.4	578 000	750 000		19.7
BL 1623	LH 3223	2.00	50.8	2 x 3	17.46	47.9	7.0	5080	42.1	21.3*	3.67	289 100	360 000		11.0
BL 1634	LH 3234			3 x 4					57.0	35.5*	4.89	440 400	540 000		15.4
BL 1644	LH 3244			4 x 4					63.8	42.6*	5.0	578 200	720 000		17.5
BL 1646	LH 3246			4 x 6					78.9	56.8*	7.33	578 200	720 000		21.8
BL 1666	LH 3266			6 x 6					95.0	73.7*	7.33	867 400	1 080 000		26.2

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



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