



**REX™ HIGH AND APPROVED
PERFORMANCE LEAF CHAIN**
METRIC



Rex™ High Performance
Leaf Chain for demanding and
heavy duty lifting applications

Rex Approved Performance
Leaf Chain for light to medium
duty lifting applications





Introduction to Rex™ High and Approved Performance Products

RexPro™ High Performance Leaf Chain is the standard for quality chains. They can be used in demanding and versatile environments with outstanding performance.

RexDL™ Approved Performance Leaf Chain is cost effective and can be used for many standard applications.

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Rex High Performance Leaf Chains offer:

- Higher fatigue strength
- Higher reliability
- Improved availability
- Longer service life





RexPro™ Leaf Chain

High Performance

RexPro Leaf Chain is the standard for high performance leaf chain applications. The combination of selected steels, optimized manufacturing and RexPro Lubrication results in outstanding product characteristics. They have extreme fatigue strength, high wear resistance and can also be used under difficult conditions.

Industries Served:

Logistics and transportation
Fork lift trucks
Telescopic handlers
Machine tools

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.

Improved wear resistance

RexPro Leaf Chain feature improved protection against wear. The excellent RexPro Lubrication ensures a long service life and high reliability in operation.

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.

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

Advantages

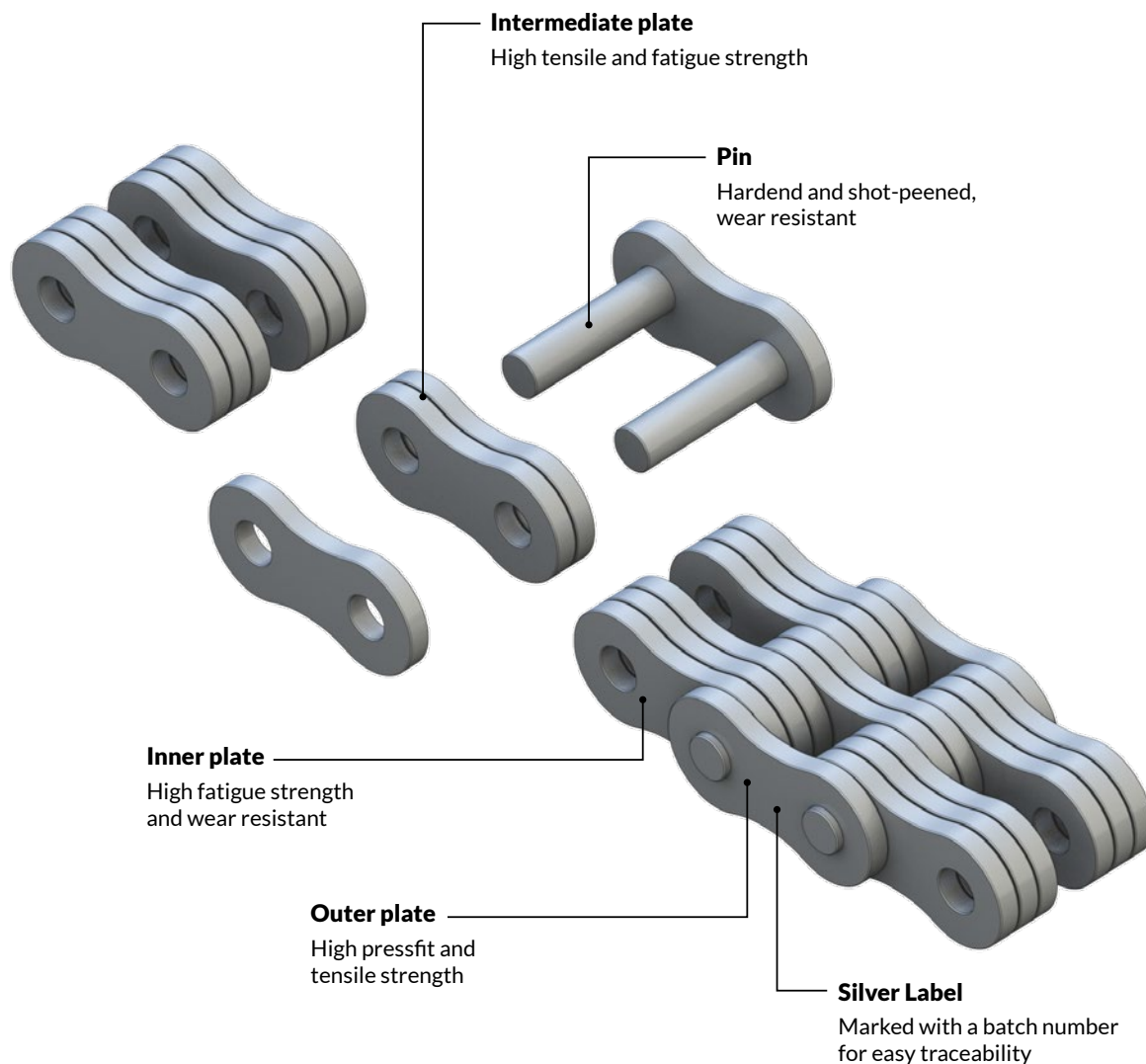
- Minimal pre-running elongation
- Long service life
- High impact resistance
- Robust under tough conditions
- Maximum operating reliability

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

High Performance



Loading capacity

- Special calibrated plate holes
- Shot-peened chain components
- High pre-loading



Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments



Wear resistance

- High protection through RexPro Lubrication
- Long service life
- High operating reliability



Eco-friendly

- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001
- Free of chromium VI

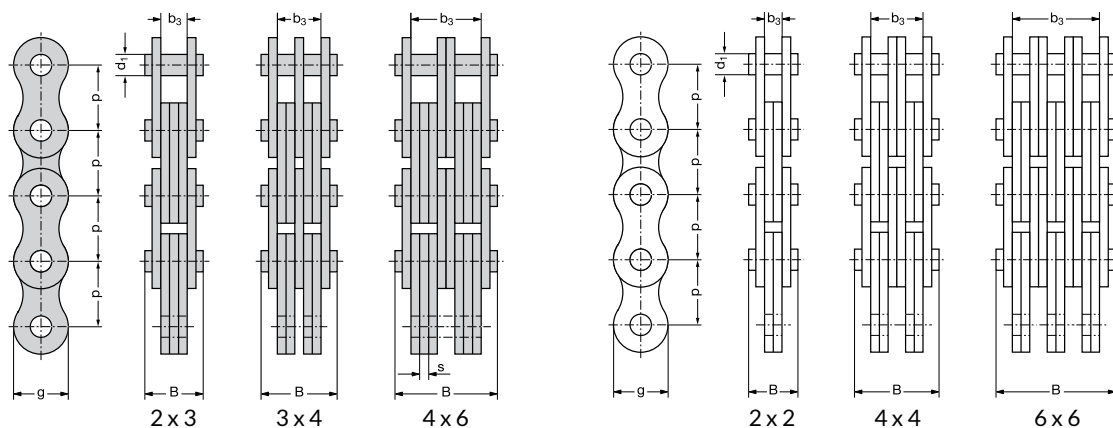


This product meets the requirements of Machine Directive 2006/42/EC

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												
					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			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 1288	LH 2488			8 x 8					97.8	78.4*	5.4	604 800	800 000	98 000	18.8
BL 1423	LH 2823			2 x 3					38.2	19.2	2.7	191 300	250 000	-	8.3
BL 1434	LH 2834	1.75	44.45	3 x 4	14.27	40.8	6.3	4445	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 1488	LH 2888			8 x 8					111.7	89.6*	7.2	765 200	1 000 000	-	25.9
BL 1623	LH 3223			2 x 3					42.1	21.3*	3.67	289 100	360 000	-	11.0
BL 1634	LH 3234	2.00	50.8	3 x 4	17.46	47.9	7.0	5080	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
BL 1688	LH 3288			8 x 8					125.6	103.5*	9.78	1 156 400	1 440 000	-	34.9

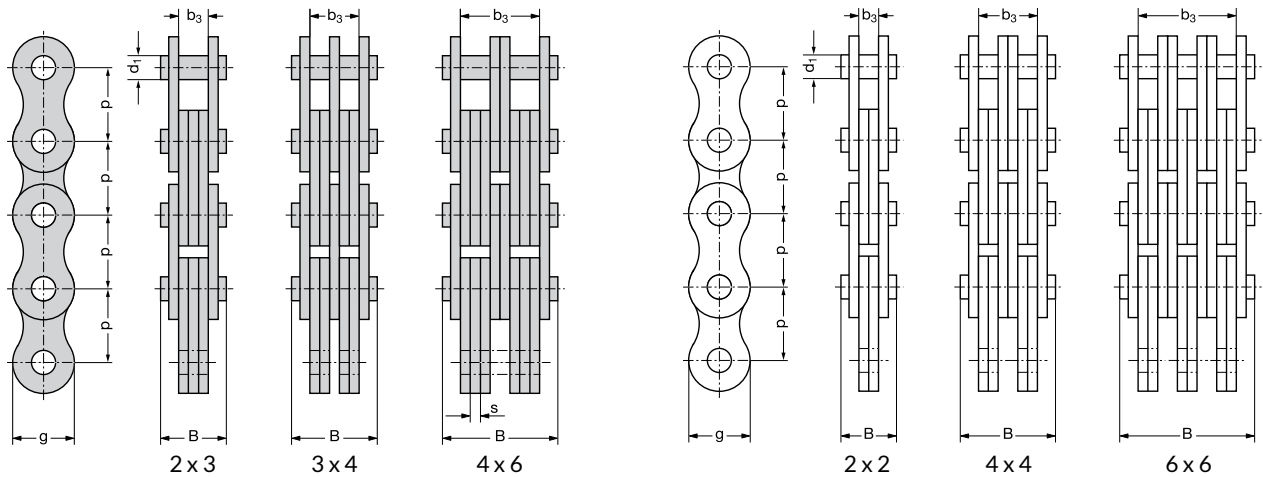
* Please contact Regal Rexnord regarding precision of fit with ISO or ANSI anchors



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														d ₁ max.	g	s	100 p	B max.	b ₃ min.	A	F _U	F _B	F _D	q
		Inch	mm																							
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	5.72	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	1.25	31.75	4 x 4	10.19	25.7	3.5	3155	33.7	21.8	1.43	190 000	200 000	32 400	4.3											
F 31-66	LL 2066			6 x 6					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	1.5	38.1	4 x 4	14.63	33	5	3795	46.9	31.2	2.93	340 000	340 000	-	8.2											
F 38-66	LL 2466			6 x 6					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											
F 44-44	LL 2844	1.75	44.45	4 x 4	15.90	36	6	4426	54.6	36.8*	3.82	400 000	430 000	-	10.4											
F 44-66	LL 2866			6 x 6					80.2	61.4*	5.72	600 000	645 000	-	15.6											
F 44-88	LL 2888			8 x 8					105.4	86.5*	7.63	800 000	860 000	-	20.8											
F 50-44	LL 3244	2	50.8	4 x 4	17.81	41.2	6.3	5055	59.1	39.1	4.49	520 000	520 000	-	12.8											
F 50-66	LL 3266			6 x 6					85.4	65.6	6.73	780 000	780 000	-	19.1											
F 50-88	LL 3288			8 x 8					112.0	92.0	8.98	1040 000	1040 000	-	25.3											
F 63-44	LL 4044	2.5	63.5	4 x 4	22.89	48	8	6320	73.1	49.4	7.32	720 000	720 000	-	17.7											
F 63-66	LL 4066			6 x 6					106.5	82.7	11.0	1080 000	1080 000	-	26.9											
F 63-88	LL 4088			8 x 8					139.9	116.0	14.6	1440 000	1440 000	-	35.1											
F 76-44	LL 4844	3	76.2	4 x 4	29.24	62	10	7575	90.5	61.4	11.7	1120 000	1120 000	-	30.2											
F 76-66	LL 4866			6 x 6					131.4	102.7	17.5	1680 000	1680 000	-	45.0											
F 76-88	LL 4888			8 x 8					172.8	144.0	23.4	2240 000	2240 000	-	59.8											

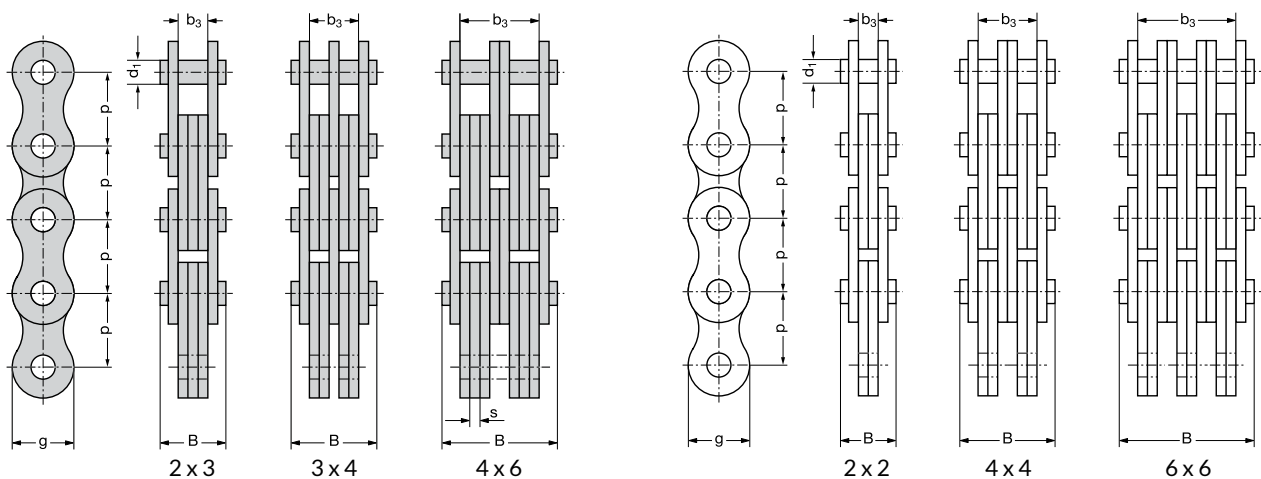
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AL-series - American Standard - RexPro™ Leaf Chain ASME B29.8

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 ASME	Rex™ minimum tensile strength	Fatigue strength	Weight											
		p														d ₁ max.	g	s	100 p	B max.	b ₃ min.	A	F _U	F _B	F _D	q
		Inch	mm																							
AL 544	-	0.625	15.875	4 x 4	5.08	12.8	2	1572	19.2	12.6	0.41	44 000	50 000	9 000	1.2											
AL 566	-			6 x 6					27.6	21.0	0.61	66 000	75 000	11 500	1.8											
AL 644	-	0.75	19.05	4 x 4	5.94	14.8	2.4	1909	23.0	15.0	0.57	63 600	72 000	12 300	1.7											
AL 666	-			6 x 6					33.1	25.0	0.86	95 400	108 000	15 500	2.5											
AL 688	-			8 x 8					43.2	35.0	1.14	127 200	144 000	-	3.3											
AL 844	-	1	25.4	4 x 4	7.92	20.5	3.1	2545	29.5	19.0	0.98	113 400	130 000	25 000	3.0											
AL 866	-			6 x 6					42.4	31.8	1.47	170 000	195 000	30 000	4.5											
AL 888	-			8 x 8					55.4	44.1	1.96	226 800	260 000	-	6.0											
AL 1044	-	1.25	31.75	4 x 4	9.53	25.7	4	3175	37.3	24.6	1.52	177 000	210 000	-	4.9											
AL 1066	-			6 x 6					54.0	41.0	2.29	265 500	315 000	36 000	7.3											
AL 1088	-			8 x 8					70.8	57.9	3.05	354 000	420 000	46 000	9.7											
AL 1244	-	1.5	38.1	4 x 4	11.1	29.4	4.7	3810	43.7	28.8	2.09	254 000	270 000	-	6.4											
AL 1266	-			6 x 6					63.4	48.0	3.13	381 000	405 000	-	9.5											
AL 1288	-			8 x 8					83.0	67.2	4.17	508 000	540 000	-	12.7											
AL 1644	-	2	50.8	4 x 4	14.27	41.2	6.3	5080	58.2	38.4	3.60	428 000	450 000	-	12.6											
AL 1666	-			6 x 6					85.0	64.0	5.39	642 000	675 000	-	18.9											
AL 1688	-			8 x 8					111.7	89.6	7.19	856 000	900 000	-	25.2											

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





RexDL™ Leaf Chain

Approved Performance

The RexDL Leaf Chain fulfills the ISO quality requirements and is suitable for light to medium duty lifting applications.

Industries Served:

Light and medium duty
lifting applications
Telescopic handler
Material handling

Proven performance

The RexDL Leaf Chain fulfills the ISO quality requirements. Regal Rexnord guarantees the achievement of performance requirements. It's the optimum choice for light and medium duty applications

Purchasing policy

Suppliers must comply with Regal Rexnord's ethical policy and internal guidelines. But they also have to follow the local environmental policy and laws.

Economical

The RexDL Leaf Chain has a good price-performance ratio and a high availability.

CE marking

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

Features

- Fulfills ISO quality requirements
- Good corrosion resistance
- Established Regal Rexnord brand
- Dimensions in accordance with ISO and ANSI
- Free of chromium VI: conforms to Directive 2011/65/EU, (RoHS) and Directive 2000/53/EC

Benefits

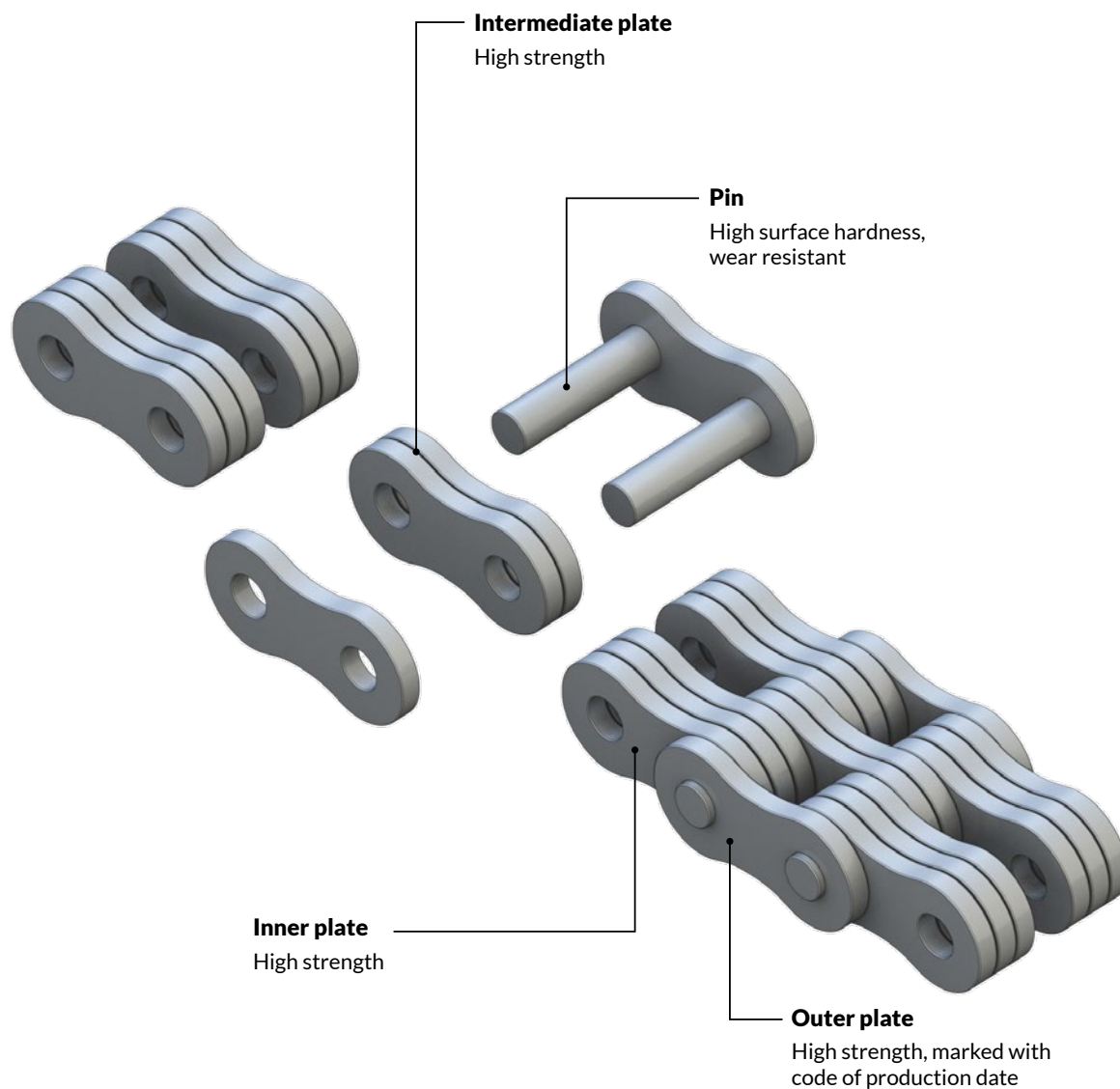
- Good price-performance ratio
- Good availability
- Robust quality

Lubrication

- Contains no heavy metals
- Fulfills REACH, RoHS and Proposition 65 requirements

RexDL™ Leaf Chain

Approved Performance



Loading capacity

- Minimum tensile strength higher than ISO requirement
- Dynamic strength according to ISO 4347



Damp corrosion resistance

- Good corrosion protection due to lubrication ex works



Eco-friendly

- REACH compliant
- RoHS:2011 compliant
- Free of chromium VI



This product meets the requirements of Machine Directive 2006/42/EC

BL-series - American Standard - RexDL™ Leaf Chain ISO 4347

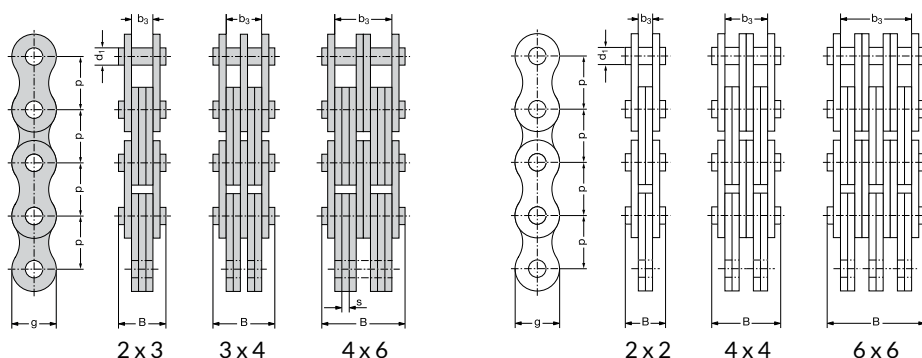
Chain No.	ISO Chain No.	Pitch		Lacing	Pin diameter	Plate depth	Plate thickness	Length over 100 pitches	Pin length	Width between outer plates	Bearing area	Required minimum tensile strength ISO 4347	RexDL minimum tensile strength	Weight
		p												
		Inch	mm		d ₁ max.	g max.	s max.	100 p	B max.	b ₃ min.	A	F _u	F _B	q
					mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m
BL 422	LH 0822	0.5	12.7	2 x 2	5.09	12.07	2.08	1270	11.1	4.2	0.21	22 200	25 800	0.6
BL 423	LH 0823			2 x 3					13.2	6.3	0.32	22 200	25 800	0.7
BL 434	LH 0834			3 x 4					17.4	10.4	0.42	33 400	38 700	1.0
BL 444	LH 0844			4 x 4					19.6	12.4	0.42	44 500	51 600	1.1
BL 446	LH 0846			4 x 6					23.8	16.6	0.64	44 500	51 600	1.4
BL 466	LH 0866			6 x 6					28.0	21.0	0.64	66 700	77 400	1.7
BL 523	LH 1023	0.625	15.875	2 x 3	5.96	15.09	2.48	1588	15.4	7.4	0.44	33 400	36 000	1.1
BL 534	LH 1034			3 x 4					20.4	12.3	0.59	48 900	54 000	1.5
BL 544	LH 1044			4 x 4					22.8	14.7	0.59	66 700	72 000	1.8
BL 546	LH 1046			4 x 6					27.7	19.6	0.89	66 700	72 000	2.2
BL 566	LH 1066			6 x 6					32.7	24.5	0.89	100 100	108 000	2.6
BL 623	LH 1223			2 x 3					20.8	9.9	0.79	48 900	55 800	1.8
BL 634	LH 1234	0.75	19.05	3 x 4	7.96	18.11	3.30	1905	27.5	16.5	1.05	75 600	83 700	2.5
BL 644	LH 1244			4 x 4					30.8	19.8	1.05	97 900	111 600	2.9
BL 646	LH 1246			4 x 6					37.5	26.4	1.58	97 900	111 600	3.6
BL 666	LH 1266			6 x 6					44.2	33.2	1.58	146 800	167 400	4.3
BL 823	LH 1623			2 x 3					25.5	12.3	1.17	84 500	94 500	3.0
BL 834	LH 1634			3 x 4					33.8	20.5	1.56	129 000	142 200	4.2
BL 844	LH 1644	1	25.4	4 x 4	9.56	24.13	4.09	2540	37.9	24.6	1.56	169 000	189 000	4.8
BL 846	LH 1646			4 x 6					46.2	32.7	2.35	169 000	189 000	6.0
BL 866	LH 1666			6 x 6					54.5	41.1	2.35	253 600	283 600	7.2

F-series - European Standard - RexDL 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	RexDL minimum tensile strength	Weight
		p												
		Inch	mm											
					mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m
F 12-22	LL 0822	0.5	12.7	2 x 2	4.45	10.92	1.55	1270	8.5	3.1	0.14	18 000	18 200	0.6
F 12-44	LL 0844			4 x 4					14.6	9.1	0.28	36 000	36 400	1.0
F 12-66	LL 0866			6 x 6					20.7	15.2	0.41	54 000	54 600	1.4

AL-series - American Standard - RexDL Leaf Chain ASME B29.8

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 ASME	RexDL minimum tensile strength	Weight										
		p																						
		Inch	mm												d ₁ max.	g max.	s max.	100 p	B max.	b ₃ min.	A	F _U	F _B	q
		mm	mm												mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
AL 422	—	0.5	12.7	2 x 2	3.98	10.42	1.58	1270	8.5	3.2	0.13	14 100	14 100	0.6										
AL 444	—			4 x 4					14.9	9.2	0.25	28 200	28 200	1.0										
AL 466	—			6 x 6					21.4	15.4	0.38	42 300	42 300	1.4										





RexOil

High Performance Chain Spray

RexOil makes it possible to maintain and relubricate roller chains and leaf chains simply and effectively in a wide range of applications. RexOil makes the lubrication of chains reliable, economical and environmentally friendly. None of the oils and lubricants used by Regal Rexnord contain silicone or Teflon, and all are distinguished by a low environmental impact (in accordance with DIN EN ISO 14001).

Industries Served:

Packaging and logistics
Food and beverages
Machine construction
Wood industry
Agriculture

Effective lubrication

The extended spray head grants better accuracy and increased comfort of use without wasting any grease. With its outstanding penetration and lubrication properties, RexOil delivers an outstanding corrosion protection and very good wear resistance.

The right lubrication

With RexOil, Regal Rexnord offers a long-term lubricant for many applications in an extremely wide range of industries.

Longer lubrication intervals

When long-life lubricants are used, relubrication intervals are significantly longer. And in some case, the use of lubricant waxes or compounds containing solid lubricants means that relubrication can be dispensed with altogether.

Features

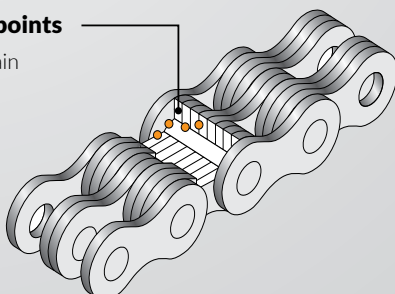
- Outstanding penetration and lubrication properties
- Ensures removal of residual lubricant
- Displaces water and moisture
- Suitable for temperature ranges from -10° C to +150° C
- Appropriate lubrication guarantees a significantly longer service life than is the case with an unlubricated chain

Advantages

- Effective corrosion protection and high oxidation stability
- Extended spray head for easy, comfortable handling
- Lubricant has NSF H2 certification
- Reliable, environmentally friendly, economical

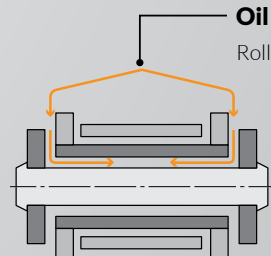
Oiling points

Leaf Chain



Oil flow

Roller Chain



Leaf chain anchoring with end links

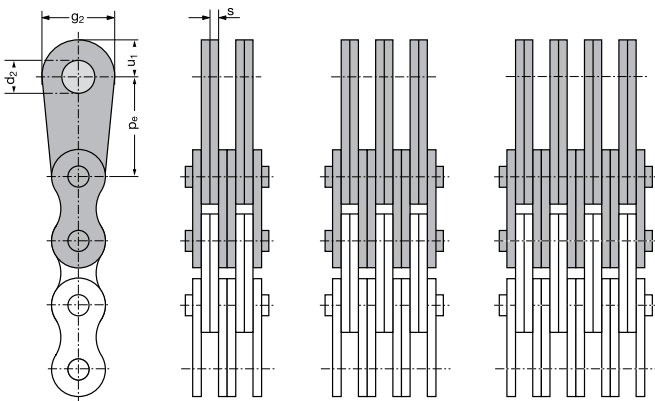
Chain No.	End link order no.		Dimensions in mm				
	IEG	AEG	Pe	d ₂ A11	g ₂	s	u ₁
F 15 - 44	170 - 115 - 44	45	20	8	18.0	1.5	11.0
F 15 - 66	170 - 115 - 66	65					
F 19 - 44	170 - 119 - 44	—	25	10	19.8	1.8	11.2
F 19 - 66	170 - 119 - 66	—					
F 19V - 44	170 - 120 - 44	45	25	10	19.8	1.8	11.2
F 19V - 66	170 - 120 - 66	65					
F 25 - 44	170 - 124 - 44	45	30	12	25.0	3.0	15.0
F 25 - 66	170 - 124 - 66	65					
F 25 - 88	170 - 124 - 88	85					
F 31 - 44	170 - 131 - 44	45	50	18	40.0	3.5	25.0
F 31 - 66	170 - 131 - 66	65					
F 31 - 88	170 - 131 - 88	85					
F 38 - 44	170 - 138 - 44	45	65	24	50.0	5.0	29.0
F 38 - 66	170 - 138 - 66	65					
F 38 - 88	170 - 138 - 88	85					
F 44 - 44	170 - 144 - 44	45	80	28	60.0	6.0	32.0
F 44 - 66	170 - 144 - 66	65					
F 44 - 88	170 - 144 - 88	85					
F 50 - 44	170 - 150 - 44	45	90	32	70.0	6.3	43.0
F 50 - 66	170 - 150 - 66	65					
F 50 - 88	170 - 150 - 88	85					
F 63 - 44	170 - 163 - 44	45	100	38	80.0	8.0	46.5
F 63 - 66	170 - 163 - 66	65					
F 63 - 88	170 - 163 - 88	85					

End links are available as inner and outer links. Ordering example for end links to fit leaf chain F 38-44:

a) as IEG (inner end link): 170-138-44

b) as AEG (outer end link): 170-138-45

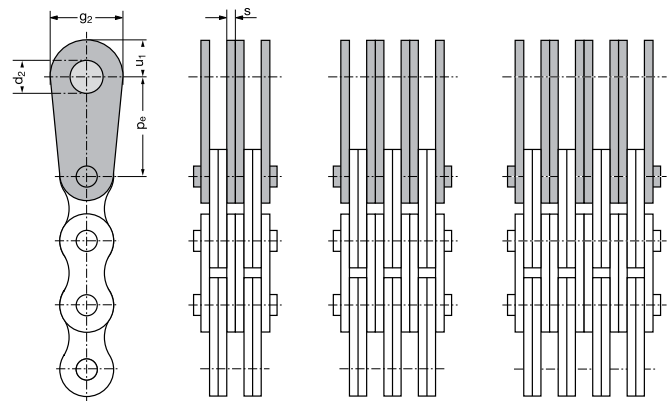
End links as inner links (IEG)



Scope of delivery:

End links (pear-shaped) along with leaf chain outer link supplied as a complete ready-to-rivet sub-assembly or assembled to chain.

End links as outer links (AEG)



Scope of delivery:

End links (pear-shaped) and matching ready-to-rivet pin or assembled to chain.

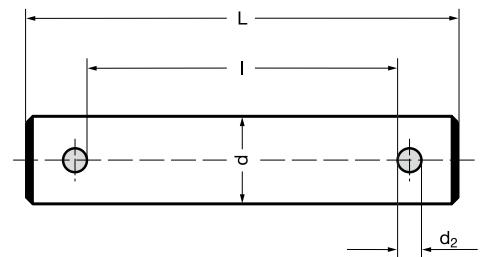
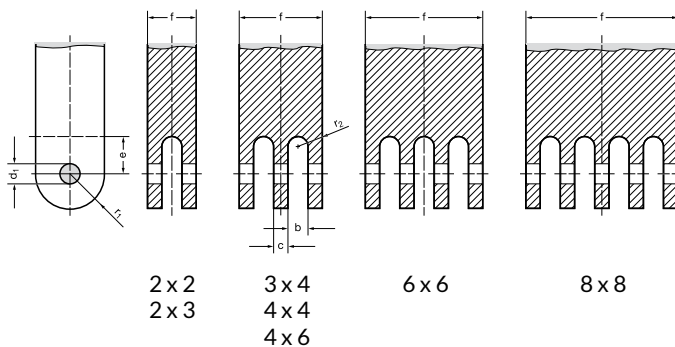
Recommended chain anchor dimensions for connecting leaf chain inner links

Chain No.	Inner link connector dimensions Dimensions in mm						
	f	b	c	d ₁	e	r ₁	r ₂
	max.	min.	max.	D10	min.	max.	max.
F 12-22	8.9						
F 12-44	15.9	3.2	3.0	4.5	7.3	6.5	1.6
F 12-66	22.9						
F 15-44	14.9	3.5	3.0	5.1	8.5	8.0	1.7
F 15-66	21.9						
F 19-44	17.5	4.1	3.6	5.75	10.0	9.5	1.7
F 19-66	24.6						
F 19V-44	22.9	5.2	4.7	6.6	10.0	10.5	2.0
F 19V-66	32.9						
F 25-44	27.9						
F 25-66	40.9	6.7	6.2	8.3	13.5	13.0	3.0
F 25-88	53.9						
F 31-44	32.9						
F 31-66	46.9	7.5	7.0	10.2	17.0	16.5	3.5
F 31-88	61.9						
F 38-44	48.0						
F 38-66	69.0	11.0	10.0	14.7	22.0	20.0	5.0
F 38-88	90.0						
F 44-44	54.8						
F 44-66	80.0	13.0	12.0	16.0	25.0	24.0	6.0
F 44-88	105.8						
F 50-44	59.7						
F 50-66	86.2	13.6	12.6	17.9	28.0	27.0	6.0
F 50-88	113.7						
F 63-44	73.0						
F 63-66	106.3	17.0	16.0	23.0	35.0	35.0	8.0
F 63-88	139.8						
F 76-44	91.2						
F 76-66	133.2	21.0	20.0	29.3	45.0	40.0	10.0
F 76-88	173.9						

Connecting pin for attaching leaf chains to chain anchor

Chain No.	Connecting pin order no.	Connecting pin dimensions Dimensions in mm			
		L min.	L max.	d max.	d ₂
F 12-22	709 - 204 - 22	9.0	15.2		
F 12-44	709 - 204 - 44	16.0	22.2	4.45	1.6
F 12-66	709 - 204 - 66	23.0	29.2		
F 15-44	709 - 205 - 44	15.0	21.1	5.08	1.6
F 15-66	709 - 205 - 66	22.0	28.2		
F 19-44	709 - 405 - 44	17.6	25.5	5.72	2.0
F 19-66	709 - 405 - 66	24.7	32.7		
F 19V-44	709 - 206 - 44	23.0	30.2	6.5	2.0
F 19V-66	709 - 206 - 66	33.0	40.3		
F 25-44	709 - 208 - 44	28.0	38.7		
F 25-66	709 - 208 - 66	41.0	51.7	8.28	3.2
F 25-88	709 - 208 - 88	54.0	64.7		
F 31-44	709 - 210 - 44	33.0	43.7		
F 31-66	709 - 210 - 66	47.0	57.7	10.19	3.2
F 31-88	709 - 210 - 88	62.0	72.7		
F 38-44	709 - 214 - 44	48.2	60.6		
F 38-66	709 - 214 - 66	69.2	81.6	14.63	4.0
F 38-88	709 - 214 - 88	90.2	102.6		
F 44-44	709 - 215 - 44	55.0	67.5		
F 44-66	709 - 215 - 66	80.2	92.7	15.9	4.0
F 44-88	709 - 215 - 88	106.0	118.5		
F 50-44	709 - 217 - 44	59.9	77.5		
F 50-66	709 - 217 - 66	86.4	104.0	17.81	5.0
F 50-88	709 - 217 - 88	113.9	131.5		
F 63-44	709 - 222 - 44	73.3	94.3		
F 63-66	709 - 222 - 66	106.6	127.6	22.89	6.3
F 63-88	709 - 222 - 88	140.1	161.1		
F 76-44	709 - 229 - 44	91.5	112.5		
F 76-66	709 - 229 - 66	133.5	154.5	29.23	6.3
F 76-88	709 - 229 - 88	174.2	195.2		

On leaf chains that end with an outer link, the holes in the outer link plates are reamed to fit the connecting pin.



All pins are fitted with 2 cotters and – from BL 1234 and F 38 upwards – with 2 additional washers.

Recommended chain anchor dimensions for connecting leaf chain inner links

Chain No.	Inner link connector dimensions Dimensions in mm						
	f	b	c	d ₁	e	r ₁	r ₂
	max.	min.	max.	D10	min.	max.	max.
BL 422	10.7	4.2	-	5.1	9.0	6.5	2.0
BL 423	12.6	6.4	-				3.0
BL 434	16.0	4.2	2.0				2.0
BL 444	16.9	4.2	4.0				2.0
BL 446	22.9	6.4	4.0				3.0
BL 466	26.9	4.2	4.0	6.0	11.0	8.0	2.0
BL 488	35.4	4.2	4.0				2.0
BL 523	14.9	7.5	-				2.0
BL 534	19.9	5.0	2.4				2.0
BL 544	22.4	5.0	4.8				2.0
BL 546	26.9	7.5	4.8				2.0
BL 566	31.9	5.0	4.8				2.0
BL 588	42.4	5.0	4.8				2.0
BL 623	19.9	10.3	-	8.0	14.0	9.5	5.0
BL 634	26.9	6.8	3.2				3.0
BL 644	29.9	6.8	6.4				3.0
BL 646	36.9	10.3	6.4				3.0
BL 666	42.9	6.8	6.4				3.0
BL 823	24.9	12.8	-	9.6	18.0	12.5	6.0
BL 834	32.9	8.5	4.0				4.0
BL 844	36.9	8.5	8.0				4.0
BL 846	45.9	12.8	8.0				6.0
BL 866	52.9	8.5	8.0				4.0
BL 888	69.4	8.5	8.0				4.0
BL 1023	69.4	15.1	8.0	11.2	22.0	15.0	4.0
BL 1034	39.0	10.0	4.7				5.0
BL 1044	44.0	10.0	9.4				5.0
BL 1046	54.0	15.1	9.4				7.0
BL 1066	63.0	10.0	9.4				5.0
BL 1088	79.7	10.0	9.4	12.8	26.0	19.0	5.0
BL 1223	34.3	17.7	-				8.0
BL 1234	46.0	11.8	5.5				5.0
BL 1244	51.7	11.8	11.0				5.0
BL 1246	63.3	17.7	11.0				8.0
BL 1266	75.1	11.8	11.0				5.0
BL 1288	98.4	11.8	11.0				5.0
BL 1423	38.5	20.1	-	14.3	31.0	22.0	10.0
BL 1434	52.0	13.4	6.3				6.0
BL 1444	58.4	13.4	12.6				6.0
BL 1446	71.5	20.1	12.6				10.0
BL 1466	84.9	13.4	12.6				6.0
BL 1488	111.7	13.4	12.6	17.5	34.0	25.0	6.0
BL 1623	42.8	22.5	-				10.0
BL 1634	57.7	15.0	7.1				7.0
BL 1644	65.4	15.0	14.2				7.0
BL 1646	79.6	22.5	14.2				10.0
BL 1666	94.3	15.0	14.2				7.0
BL 1688	123.7	15.0	14.2				7.0

Connecting pin for joining leaf chains to chain anchor

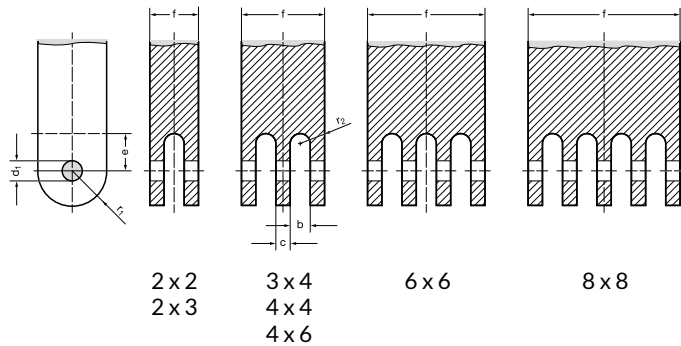
Chain No.	Connecting pin order no.	Connecting pin Dimensions in mm			
		l min.	L max.	d max.	d ₂
BL 422	709 - 305 - 22	10.8	17.0	5.08	2.0
BL 423	709 - 305 - 23	12.7	18.9		
BL 434	709 - 305 - 34	17.0	23.2		
BL 444	709 - 305 - 44	19.0	25.2		
BL 446	709 - 305 - 46	23.0	29.2		
BL 466	709 - 305 - 66	27.0	33.3	5.94	2.0
BL 488	709 - 305 - 88	35.5	41.8		
BL 523	709 - 355 - 23	15.0	21.6		
BL 534	709 - 355 - 34	20.0	26.6		
BL 544	709 - 355 - 44	22.5	29.1		
BL 546	709 - 355 - 46	27.0	33.7		
BL 566	709 - 355 - 66	32.0	38.7		
BL 588	709 - 355 - 88	42.5	49.3		
BL 623	709 - 307 - 23	20.0	30.7	7.92	3.2
BL 634	709 - 307 - 34	27.0	37.7		
BL 644	709 - 307 - 44	30.0	40.7		
BL 646	709 - 307 - 46	37.0	47.7		
BL 666	709 - 307 - 66	43.0	53.7		
BL 823	709 - 309 - 23	25.0	35.7	9.53	3.2
BL 834	709 - 309 - 34	33.0	43.7		
BL 844	709 - 309 - 44	37.0	47.7		
BL 846	709 - 309 - 46	46.0	56.7		
BL 866	709 - 309 - 66	53.0	63.7		
BL 888	709 - 309 - 88	69.5	80.3		
BL 1023	709 - 311 - 23	30.0	42.4	11.1	4.0
BL 1034	709 - 311 - 34	39.2	51.6		
BL 1044	709 - 311 - 44	44.2	56.6		
BL 1046	709 - 311 - 46	54.2	66.6		
BL 1066	709 - 311 - 66	63.2	75.6		
BL 1088	709 - 311 - 88	79.9	92.4	12.7	4.0
BL 1223	709 - 312 - 23	34.5	46.9		
BL 1234	709 - 312 - 34	46.2	58.6		
BL 1244	709 - 312 - 44	51.9	64.4		
BL 1246	709 - 312 - 46	63.5	76.0		
BL 1266	709 - 312 - 66	75.3	87.8		
BL 1288	709 - 312 - 88	98.6	111.1		
BL 1423	709 - 314 - 23	38.7	51.1	14.27	4.0
BL 1434	709 - 314 - 34	52.2	64.6		
BL 1444	709 - 314 - 44	58.6	71.1		
BL 1446	709 - 314 - 46	71.7	84.2		
BL 1466	709 - 314 - 66	85.1	97.7		
BL 1488	709 - 314 - 88	111.9	124.5	17.46	5.0
BL 1623	709 - 317 - 23	43.1	60.6		
BL 1634	709 - 317 - 34	58.0	75.5		
BL 1644	709 - 317 - 44	65.7	82.9		
BL 1646	709 - 317 - 46	79.9	97.4		
BL 1666	709 - 317 - 66	94.6	112.2		
BL 1688	709 - 317 - 88	124.0	141.6		

On leaf chains that end with an outer link, the holes in the outer link plates are reamed to fit the connecting pin.

Recommended chain anchor dimensions for connecting leaf chain inner links

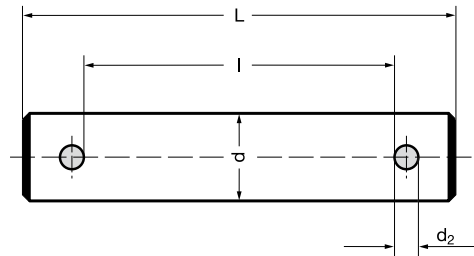
Chain No.	Inner link connector dimensions Dimensions in mm						
	f	b	c	d ₁	e	r ₁	r ₂
	max.	min.	max.	D10	min.	max.	max.
AL 422	8.0						
AL 444	14.4	3.2	3.0	4.0	7.0	6.5	1.6
AL 466	20.8						
AL 544	18.9						
AL 566	26.9	4.2	4.0	5.1	9.0	6.5	2.0
AL 588	35.4						
AL 644	22.4						
AL 666	31.9	5.0	4.8	6.0	11.0	8.0	2.0
AL 688	42.4						
AL 844	29.9						
AL 866	42.9	6.8	6.4	8.0	14.0	9.5	3.0
AL 888	56.4						
AL 1044	36.9						
AL 1066	52.9	8.5	8.0	9.6	18.0	12.5	4.0
AL 1088	69.4						
AL 1244	44.0						
AL 1266	63.0	10.0	9.4	11.2	22.0	15.0	5.0
AL 1288	79.7						
AL 1644	58.4						
AL 1666	84.9	13.4	12.6	14.3	31.0	22.0	6.0
AL 1688	111.7						

On leaf chains that end with an outer link, the holes in the outer link plates are reamed to fit the connecting pin.



Connecting pin for attaching leaf chains to chain anchor

Chain No.	Connecting pin order no.	Connecting pin dimensions Dimensions in mm			
		I min.	L max.	d max.	d ₂
AL 422	709 - 303 - 22	8.1	14.3		
AL 444	709 - 303 - 44	14.5	20.7	3.98	1.6
AL 466	709 - 303 - 66	20.9	27.1		
AL 544	709 - 305 - 44	19.0	25.2		
AL 566	709 - 305 - 66	27.0	33.3	5.08	1.6
AL 588	709 - 305 - 88	35.5	41.8		
AL 644	709 - 355 - 44	22.5	29.1		
AL 666	709 - 355 - 66	32.0	38.7	5.94	2.0
AL 688	709 - 355 - 88	42.5	49.3		
AL 844	709 - 307 - 44	30.0	40.7		
AL 866	709 - 307 - 66	43.0	53.7	7.92	3.2
AL 888	709 - 307 - 88	56.5	67.2		
AL 1044	709 - 309 - 44	37.0	47.7		
AL 1066	709 - 309 - 66	53.0	63.7	9.53	3.2
AL 1088	709 - 309 - 88	69.5	80.3		
AL 1244	709 - 311 - 44	44.2	56.6		
AL 1266	709 - 311 - 66	63.2	75.6	11.1	4.0
AL 1288	709 - 311 - 88	79.9	92.4		
AL 1644	709 - 314 - 44	58.6	71.1		
AL 1666	709 - 314 - 66	85.1	97.7	14.27	4.0
AL 1688	709 - 314 - 88	111.9	124.5		



All pins are fitted with 2 cotters and –
from BL 1234 and F 38 upwards – with 2
additional washers.

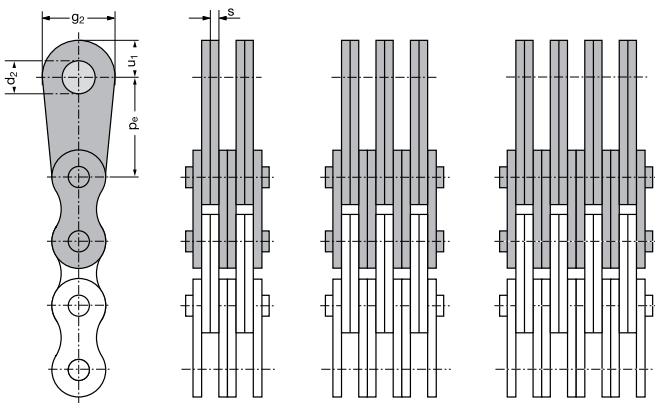
Leaf chain anchoring with end links

Chain No.	End link order no.		Dimensions in mm				
	IEG	AEG	Pe	d ₂ A11	g ₂	s	u ₁
AL 644	170 - 118 - 44	45	25	10	19.8	2.4	11.2
AL 666	170 - 118 - 66	65					
AL 688	170 - 118 - 88	85					
AL 1044	170 - 130 - 44	45	40	14	30.0	4.0	18.0
AL 1066	170 - 130 - 66	65					

End links are available as inner and outer links. Ordering example for end links to fit leaf chain AL 644:

a) as IEG (inner end link): 170-118-44 b) as AEG (outer end link): 170-118-45

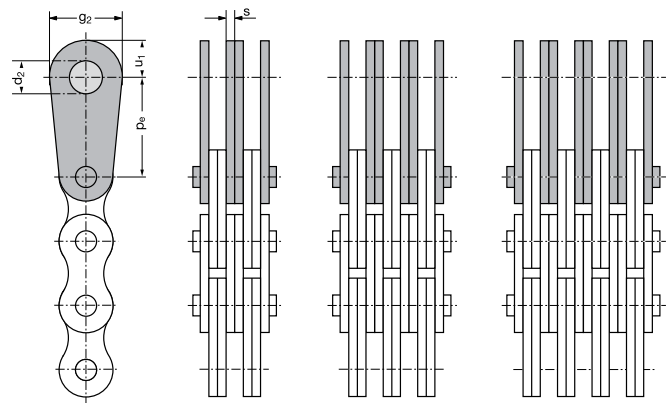
End links as inner links (IEG)



Scope of delivery:

End links (pear-shaped) along with leaf chain outer link supplied as a complete ready-to-rivet sub-assembly or assembled to chain.

End links as outer links (AEG)

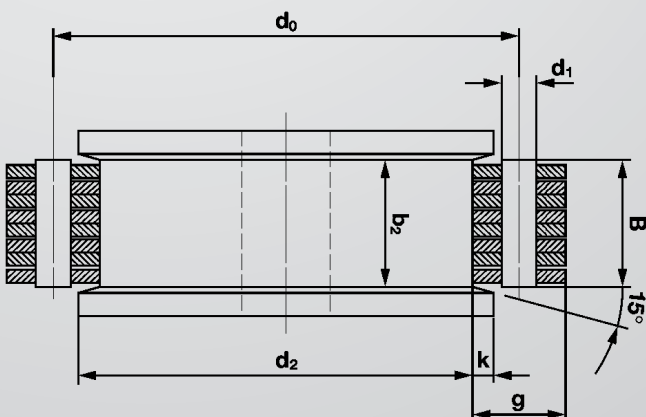


Scope of delivery:

End links (pear-shaped) and matching ready-to-rivet pin or assembled to chain.

Sheave

Leaf chains can be guided over untoothed sheaves. The sheaves should have the largest possible diameter. The diameter of the sheave determines the size of the link movement at the chain inlet and outlet, and thus also to a considerable extent the wearing life-span of the chain. Moreover, a large sheave diameter contributes to smooth running of the chain.



Dimensions of Sheave

The diameter of sheave should as far as possible be 5 times, but at least 3 times the chain pitch. The width of the running face, B, in the case of a sheave should correspond to the leaf chain width across the rivet pin. The flanged wheel height "k" is selected 15% smaller than corresponds to the distance between the plate upper edge and the rivet pin.

Sheave

$$d_2 = 5 \cdot p; \text{ min } 3 \times p$$

$$d_0 = d_2 + g$$

$$b_2 = B$$

$$k = 0,43 (g - d_1)$$

d₂ = Sheave diameter

d₀ = Reference pitch circle diameter

b₂ = Sheave tread width

k = Flanged wheel height

p = Chain pitch

g = Plate depth

d₁ = Rivet pin diameter

B = Leaf chain width over rivet pin

A large yellow Rex™ Leaf Chain hoist system is the central focus, extending vertically from the bottom of the frame towards the top. It features multiple stages of pulleys and thick black leaf chains. To the left, a red crane arm is partially visible. To the right, a white crane arm with a blue bucket is visible, with a blue banner that says "NORMWOOD" attached to it. The background shows a clear blue sky with some clouds and other construction equipment in the distance. A blue semi-transparent banner is overlaid at the bottom left, containing white text. Safety warning icons are visible on the yellow hoist structure.

**Rex™ Leaf Chain:
Extreme Performance,
High Performance &
Approved Performance**



Overview of Rex™ Leaf Chain Portfolio

Extreme Performance Leaf Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Linear scalability
RexHiPro™ Leaf Chain								VSK001	
RexAthletic™ Leaf Chain								VSK010	
RexWM™ Leaf Chain								VSK006	
RexProX™ Leaf Chain								VSK001	

* Special or other lubrication types on request

High Performance Leaf Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Linear scalability
RexPro™ Leaf Chain								VSK001	

* Special or other lubrication types on request

Approved Performance Leaf Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication	Linear scalability
RexDL™ Leaf Chain								REACH conform	

Symbol Key



Loading capacity



Damp corrosion resistance



Acid corrosion resistance



Wear resistance

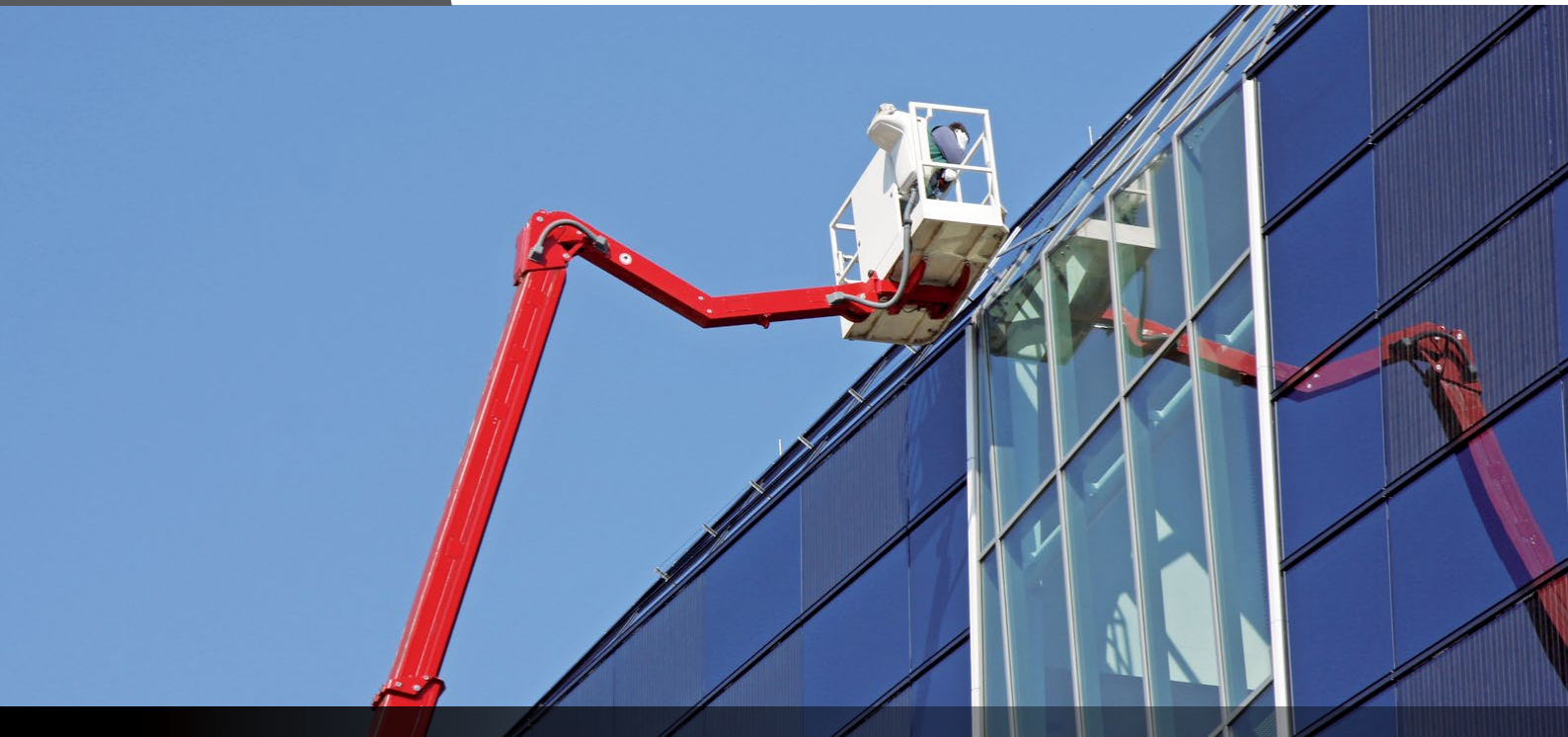


Eco-friendly



Linear scalability

PRODUCT CATALOG



Rex™

Industrial Powertrain Solutions Regal Rexnord

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