

Leaf Chain



A Regal Brand

REGAL

CONCERNED ABOUT SAFETY

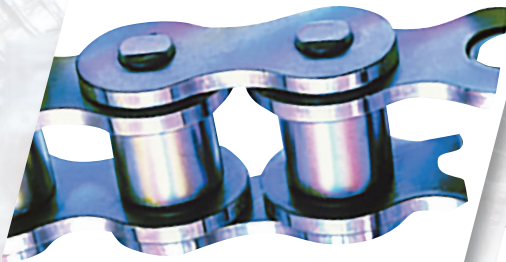
CHOOSE **Morse**

Lift Truck Replacement Chain

For over 50 years, Morse® has been manufacturing quality domestic leaf chain for lift trucks and the material handling industry. Since Morse interchanges with all BL part numbers from distributors and OEMs, consider replacing your worn leaf chain with an industry recognized leader -- Morse Leaf Chain.



Broken Link



Protruding Pins



Edge Wear



SAFETY CONCERNS If any of these links look familiar and you're still waiting to replace your leaf chain, you could have a serious safety issue!!

Why Lift Truck OEMs Choose **Morse** Leaf Chain

- ▶ Available in reels, boxes or cut-to-length from our manufacturing plant in Ithaca, NY or national distribution center in Florence, KY
- ▶ ASME B29.8 and ISO4347 compliant
- ▶ Documented rating audits for chain quality, safety and performance
- ▶ Product certification available
- ▶ Inventory visible to registered eLINK users on www.regalpts.com
- ▶ Competitive pricing

LIFT TRUCK

Leaf Chain Interchange

LIFT TRUCK MANUFACTURER	MANUFACTURER PART NUMBER	ASME CHAIN NUMBER	LENGTH (FT)‡
Allis-Chalmers*	AC4879718	BL834	10
Allis-Chalmers*	AC4850171	BL1046	10
Allis-Chalmers*	AC4852837	BL1046	10
Allis-Chalmers*	AC4850206	BL1046	15
Allis-Chalmers*	AC4853379	BL1046	15
Clark*	1802072	BL446	10
Clark*	1802093	BL544	15
Clark*	1802067	BL546	25
Clark*	1802101	BL623	15
Clark*	1802124	BL634	10
Clark*	1802077	BL646	15
Clark*	1802540	BL834	20
Clark*	1802132	BL1034	10
Clark*	1802086	BL1046	20
Clark*	1802096	BL1246	10
Clark*	1802121	BL1446	15
Crown*	073991-122	BL634	10
Crown*	073991-123	BL634	15
Crown*	073991-124	BL634	20
Crown*	083633-010	BL534	10
Crown*	083633-011	BL534	15
Crown*	083633-012	BL534	20
Crown*	103267-020	BL822	10
Crown*	103267-021	BL822	15
Crown*	089260-080	BL844	10
Crown*	089260-081	BL844	15
Hyster*	HY215693	BL446	10
Hyster*	HY142947	BL634	20
Hyster*	HY126926	BL646	25
Hyster*	HY129329	BL834	15
Hyster*	HY368141	BL866	10

LIFT TRUCK MANUFACTURER	MANUFACTURER PART NUMBER	ASME CHAIN NUMBER	LENGTH (FT)‡
Hyster*	HY125974	BL1034	10
Hyster*	HY126037	BL1046	10
Hyster*	HY98879	BL1246	10
Hyster*	HY1303368	BL1446	15
Nissan*	NI59420-L1201	BL634	10
Nissan*	NI59420-L1203	BL634	10
Nissan*	NI59420-L1209	BL634	10
Nissan*	NI59420-L2801	BL634	15
Nissan*	NI59420-L2902	BL634	10
Nissan*	NI59420-L3007	BL634	10
Nissan*	NI59420-L7208	BL634	10
Nissan*	NI59420-L1310	BL834	10
Nissan*	NI59420-L6202	BL834	10
Nissan*	NI59420-L6302	BL834	10
Promatch* / Mastersource*	2i6597	BL534	10
Promatch* / Mastersource*	2i6598	BL634	10
Promatch* / Mastersource*	2i6599	BL644	10
Promatch* / Mastersource*	2i6603	BL646	10
Promatch* / Mastersource*	2i6600	BL834	10
Promatch* / Mastersource*	2i3318	BL544	10
Promatch* / Mastersource*	2i6601	BL866	10
Toyota*	TY63002-22000-71	BL634	10
Toyota*	TY63101-20600-71	BL634	10
Toyota*	TY63208-24070-71	BL634	10
Toyota*	TY63101-30960-71	BL834	10

Approximate unit of measure. For exact chain length, check with manufacturer.

Note: These tables are samples of BL to OEM part number interchangeability. The above chart reflects the tensile rating of the ASME B29.8 standard. Confirm manufacturer's tensile requirements prior to chain selection and installation.

LEAF CHAIN Features

Link Plate

Our links are parallel punched and shot peened as an effective means of extending wear life and improving cracking resistance

Link Plate

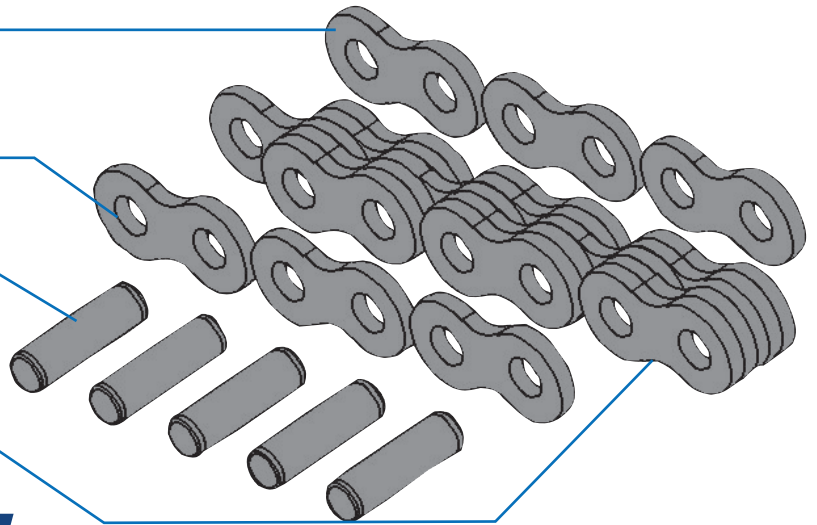
During the manufacturing process, link plates are pierced and shaved to improve chain performance.

Pin

The manufacturing process uses alloy steel to manufacture pins, which, are case hardened and precision ground for optimum wear life.

Assembly

During the assembly process, leaf chain is pre-stressed and inspected to ensure quality and uniformity.



Identifying Leaf Chain

The BL number is an industry standard designation used to determine the pitch and lacing configuration of leaf chain on the mast. The ASME B29.8 standard provides interchangeability with chains that connect with clevises made to standard dimensions.

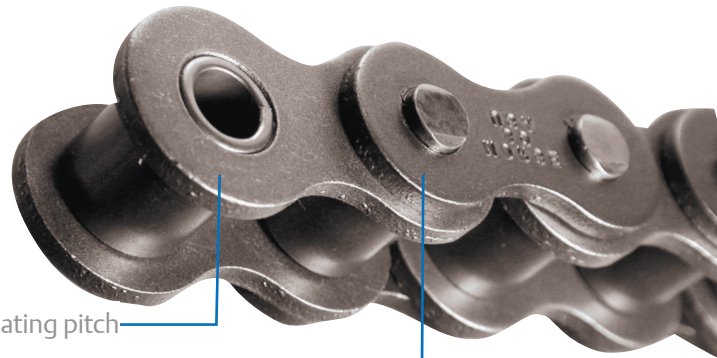
BL 8 4 4

Lacing - Number of link plates in articulating pitch

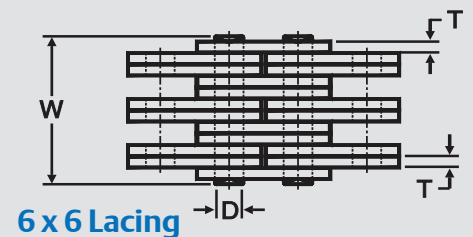
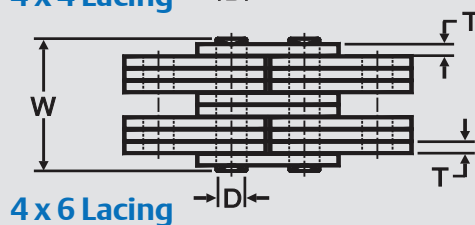
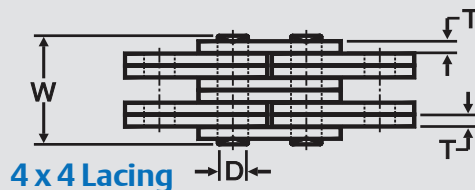
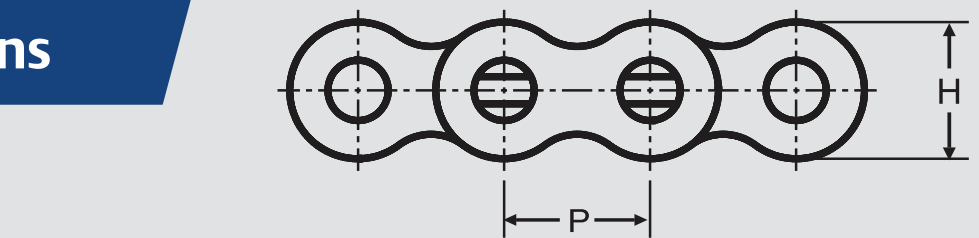
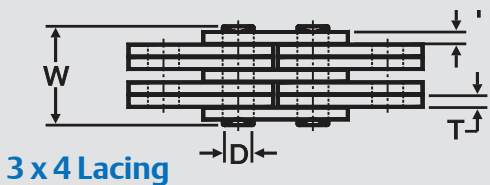
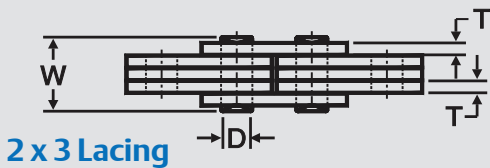
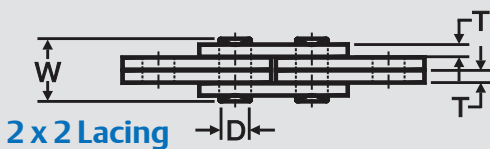
Lacing - Number of plates in pin link pitch

Pitch given in 1/8

ASME Prefix (heavy series)



Lacing Configurations



LEAF CHAIN

Dimensional Information

LEAF CHAIN NO.	ISO NO.	PITCH (P)	LACING	PIN DIAMETER	PLATE THICKNESS (I)	PLATE HEIGHT (H)	WIDTH OVER RIVETED PINS (W)	APPROX. WEIGHT PER FT.	ANSI MIN. ULTIMATE TENSILE STRENGTH*
BL423	LH 0822	1/2"	2 x 3	.200"	.080"	.466"	.495"	.550	5,000
BL434	LH 0834		3 X 4				.660	.763	7,500
BL446	LH 0846		4 X 6				.910	1.082	10,000
BL523	LH 1023	5/8	2 x 3	.234	.094	.584	.584	.797	7,500
BL534	LH 1034		3 x 4				.777	1.106	11,000
BL546	LH 1046		4 x 6				1.069	1.570	15,000
BL623	LH 1223	3/4	2 x 3	.312	.125	.700	.786	1.197	11,000
BL634	LH 1234		3 x 4				1.048	1.657	17,000
BL644	LH 1244		4 x 4				1.179	1.888	22,000
BL646	LH 1246		4 x 6				1.441	2.348	22,000
BL666	LH 1266		6 x 6				1.705	2.809	33,000
BL822	LH 1622	1	2 x 2	.375	.156	.934	.808	1.507	19,000
BL823	LH 1623		2 x 3				.970	1.940	19,000
BL834	LH 1634		3 x 4				1.294	2.692	29,000
BL844	LH 1644		4 x 4				1.455	3.068	38,000
BL846	LH 1646		4 x 6				1.781	3.820	38,000
BL866	LH 1666		6 x 6				2.105	4.573	57,000
BL1023	LH 2023	1 1/4	2 x 3	.437	.187	1.166	1.152	3.005	26,000
BL1034	LH 2034		3 x 4				1.542	4.178	41,000
BL1044	LH 2044		4 x 4				1.733	4.764	52,000
BL1046	LH 2046		4 x 6				2.126	5.937	52,000
BL1066	LH 2066		6 x 6				2.511	7.111	78,000
BL1223	LH 2423	1 1/2	2 x 3	.500	.219	1.400	1.352	4.080	34,000
BL1234	LH 2434		3 x 4				1.807	5.674	55,000
BL1244	LH 2444		4 x 4				2.033	6.475	68,000
BL1246	LH 2446		4 x 6				2.494	8.067	68,000
BL1266	LH 2466		6 x 6				2.947	9.662	102,000
BL1423	LH 2823	1 3/4	2 x 3	.562	.250	1.634	1.531	5.286	43,000
BL1434	LH 2834		3 x 4				2.048	7.356	71,000
BL1444	LH 2844		4 x 4				2.307	8.392	86,000
BL1446	LH 2846		4 x 6				2.825	10.462	86,000
BL1466	LH 2866		6 x 6				3.345	12.533	130,000
BL1632	LH 3232	2	2 x 3	.687	.281	1.866	1.767	7.668	65,000
BL1634	LH 3234		3 x 4				2.360	10.663	99,000
BL1646	LH 3246		4 x 6				3.251	15.157	130,000

* Minimum ultimate tensile strength is not the working load capacity of the chain. A service or safety factor must be applied with regard to severity of application or based on user experience with the application. Note: Replacement chain specifications should be verified by lift manufacturer.

eCommerce Capabilities

Comprehensive website

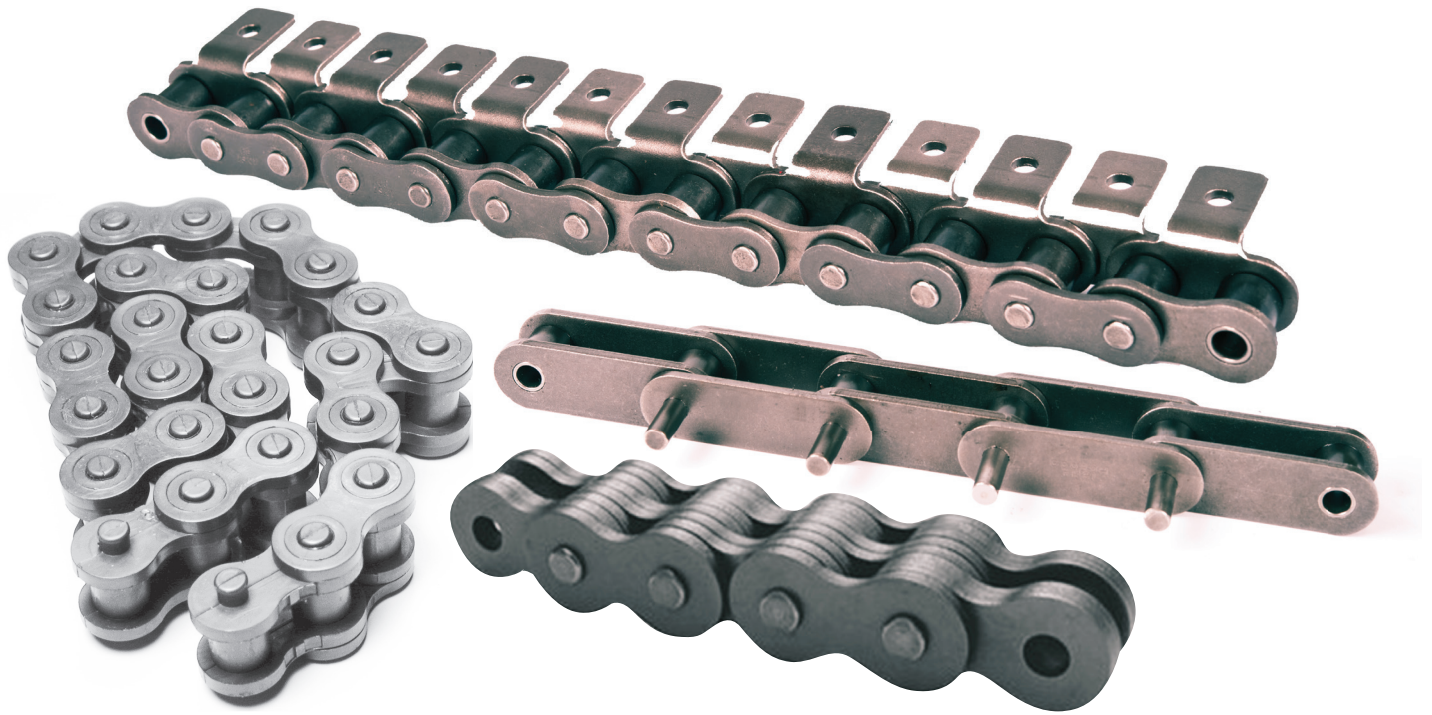
- ▶ Consultative engineering support
 - ▶ EDGE®
 - Chain drive selection
 - CAD drawings in 2D and 3D models
 - Smart Interchange
 - eCatalog/product literature
 - Product training

Transaction capabilities

- ▶ eLINK*
 - Inventory/pricing visibility
 - Quote/order entry and review
 - Purchase order acknowledgment
 - Advance ship notices

Electronic Data Interchange (EDI)*

- ▶ Order status report
- ▶ Shipment and billing notices



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Technical Service: 800-626-2093

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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk. For a copy of our Standard Terms and Conditions of Sale, Disclaimers of Warranty, Limitation of Liability and Remedy, please contact Customer Service at 1-800-626-2120. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use a Regal Beloit America Inc. product referred to herein, including any person who buys from a licensed distributor of these branded products.

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