



Leaf Chain

Unprecedented

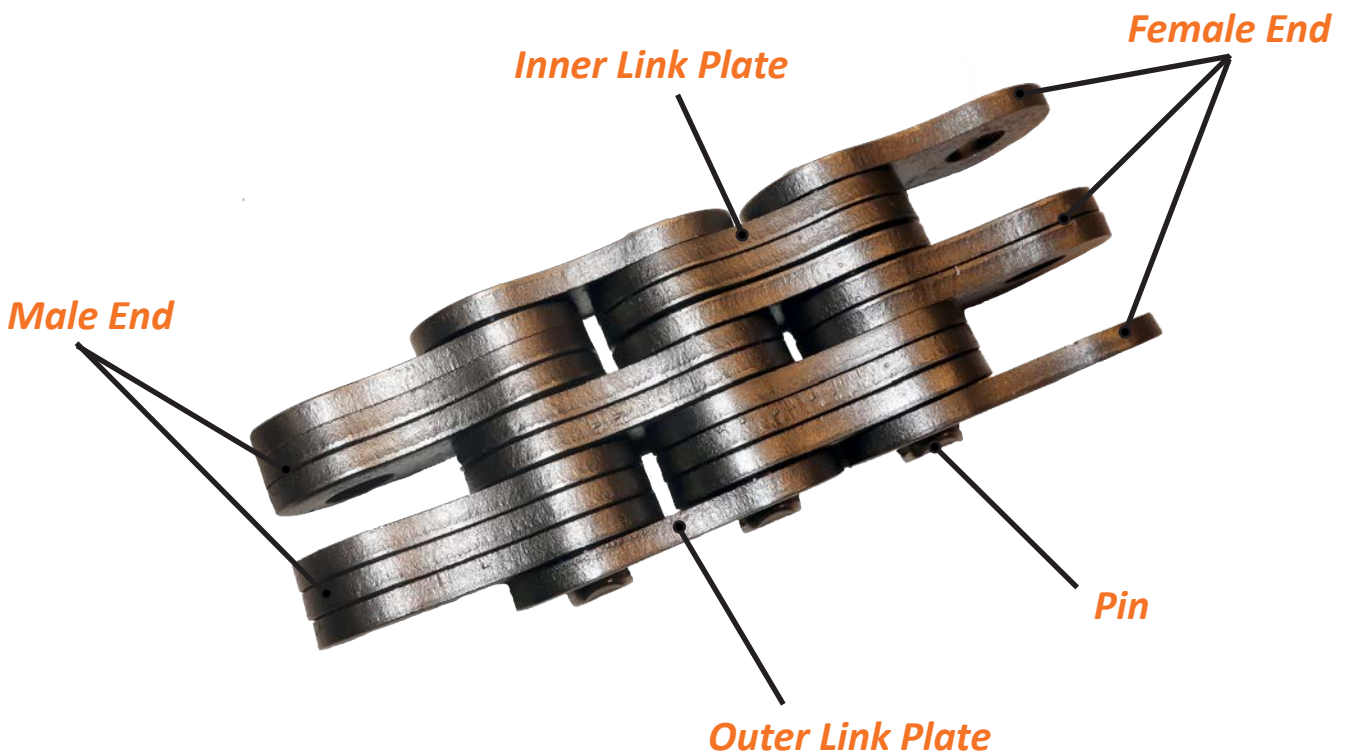
Leaf Chain Options



All About Leaf Chain!

Leaf chains are famous with engineers for their strength in material handling, such as with forklifts, lift trucks, lift masts, straddle carriers, and other major works of civil engineering. Their long service life, high fatigue strength and maximum wear resistance make them the ideal solution for long-term projects that need to be both reliable and incredibly strong. The key parts of leaf chain include:

- Link Plates: Close control of the plate dimensions allows for high fatigue strength and long service life. Inner link plates are slip-fit onto the pins as the outer link plates are press-fit and riveted to pins to prevent rotation during operation.
- Pins: The pins pass through the plates and are subject to shearing forces, while the plates articulate on the pins through rotation over the sheave.



PEER *Quality Links That Last!*



Features & Benefits

Leaf chains are known for their durability and high tensile strength. They are primarily used in lift device applications such as forklifts, lift trucks, and lift masts.

These hard working chains handle the lifting and balancing of heavy loads with the use of sheaves instead of sprockets for guidance. One of the primary differences with leaf chain compared to roller chain is that it only consists of a series of stacked link plates and pins. With the proper selection of steel and heat treatment of link plates and pins, PEER Chain can assist with the Leaf Chain Design to elevate your product needs.

Coating

For superior resistance to corrosion, PEER Chain offers ProCoat™ Leaf Chain. ProCoat™ chain is a proven solution for harsh outdoor environments where high humidity and seawater may be present.



* ProCoat™ chain shown.

Caution

If lifting chains are used that are not suitable for your application or load, you run the risk of premature wear and potential failure. Damaged or defective chain should be replaced immediately, as it is a serious safety hazard due to the pressure that is exerted on the chains when they're bearing a heavy load.



AL Leaf Chain

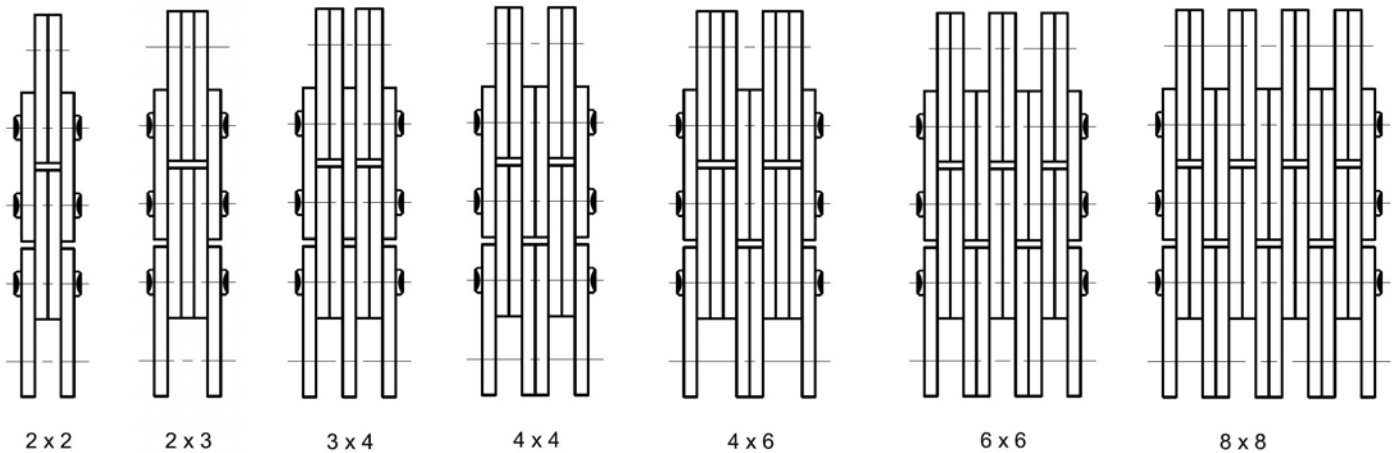
AL series leaf chains linkage plates have the same contour, pitch and thickness of ANSI roller chain. For new designs and applications PEER Chain recommends using BL Series leaf chain as AL leaf chain was removed from ANSI B29.8 standard in 1975.



PEER Chain No.	Lacing	Pitch (P)	Pin Diam. (D)	Plate Height (H)	Plate Thickness (T)	Overall Width (F)	Overall Width (G)	Avg. Ult. Tensile Strength (Lbs.)	Avg. Weight Per Foot (Lbs.)
AL222	2 x 2	0.250	0.091	0.197	0.030	0.035	0.134	904	0.060
AL322	2 x 2	0.375	0.142	0.307	0.050	0.138	0.250	2,260	0.141
AL344	4 x 4	0.375	0.142	0.307	0.050	0.263	0.334	4,519	0.269
AL422	2 x 2	0.500	0.157	0.410	0.060	0.163	0.242	4,078	0.235
AL444	4 x 4	0.500	0.157	0.410	0.060	0.287	0.368	8,157	0.464
AL466	6 x 6	0.500	0.157	0.410	0.060	0.408	0.487	12,236	0.692
AL522	2 x 2	0.625	0.200	0.512	0.080	0.212	0.297	6,614	0.390
AL523	2 x 3	0.625	0.200	0.512	0.080	0.253	0.342	6,614	0.484
AL534	3 x 4	0.625	0.200	0.512	0.080	0.338	0.430	9,920	0.665
AL544	4 x 4	0.625	0.200	0.512	0.080	0.366	0.455	13,227	0.766
AL566	6 x 6	0.625	0.200	0.512	0.080	0.535	0.638	19,841	1.136
AL622	2 x 2	0.750	0.235	0.616	0.094	0.253	0.354	9,039	0.531
AL623	2 x 3	0.750	0.235	0.616	0.094	0.298	0.398	9,039	0.652
AL644	4 x 4	0.750	0.235	0.616	0.094	0.440	0.542	18,078	1.028
AL666	6 x 6	0.750	0.235	0.616	0.094	0.632	0.732	24,117	1.539
AL688	8 x 8	0.750	0.235	0.616	0.094	0.789	0.925	36,155	2.050
AL822	2 x 2	1.000	0.313	0.820	0.125	0.339	0.457	17,086	0.968
AL844	4 x 4	1.000	0.313	0.820	0.125	0.589	0.750	34,172	1.888
AL866	6 x 6	1.000	0.313	0.820	0.125	0.898	1.055	51,257	2.822
AL888	8 x 8	1.000	0.313	0.820	0.125	1.116	1.274	68,343	3.743
AL1022	2 x 2	1.250	0.376	1.025	0.156	0.411	0.555	24,912	1.761
AL1044	4 x 4	1.250	0.376	1.025	0.156	0.742	0.864	49,824	3.152
AL1066	6 x 6	1.250	0.376	1.025	0.156	1.059	1.212	74,737	4.697
AL1088	8 x 8	1.250	0.376	1.025	0.156	1.385	1.535	99,648	6.243
AL1244	4 x 4	1.500	0.437	1.230	0.187	0.878	1.041	63,934	4.193
AL1266	6 x 6	1.500	0.437	1.230	0.187	1.255	1.449	95,901	6.249
AL1288	8 x 8	1.500	0.437	1.230	0.187	1.647	1.840	127,868	8.312
AL1444	4 x 4	1.750	0.500	1.435	0.219	1.015	1.223	94,799	6.149
AL1466	6 x 6	1.750	0.500	1.435	0.219	1.467	1.652	143,300	9.206
AL1488	8 x 8	1.750	0.500	1.435	0.219	1.914	2.111	191,140	12.297
AL1644	4 x 4	2.000	0.563	1.640	0.250	1.152	1.337	115,743	7.593
AL1666	6 x 6	2.000	0.563	1.640	0.250	1.674	1.843	173,724	11.356
AL1688	8 x 8	2.000	0.563	1.640	0.250	2.189	2.386	251,327	15.186

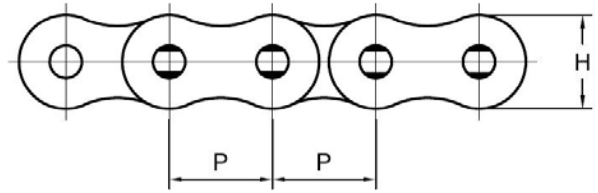
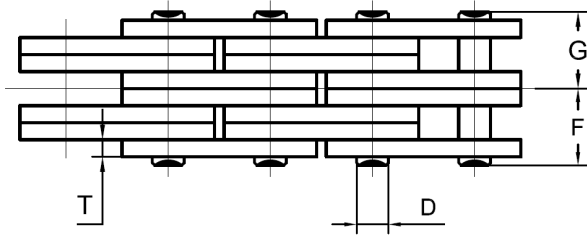
BL Leaf Chain

BL series leaf chain linkage plates have the same contour and pitch of ANSI roller chain, but the thickness of the linkage plates and diameter of the pins are of the next size larger of ANSI standard pitch roller chain. BL series leaf chains are designed to have a higher fatigue strength and longer service life while maintaining a compact design.



PEER Chain No.	Lacing	Pitch (P)	Pin Diam. (D)	Plate Height (H)	Plate Thickness (T)	Overall Width (F)	Overall Width (G)	Avg. Ult. Tensile Strength (Lbs.)	Avg. Weight Per Foot (Lbs.)
BL422	2 x 2	0.500	0.200	0.475	0.079	0.212	0.298	6,283	0.390
BL423	2 x 3	0.500	0.200	0.475	0.079	0.253	0.341	6,283	0.484
BL434	3 x 4	0.500	0.200	0.475	0.079	0.326	0.435	9,370	0.672
BL444	4 x 4	0.500	0.200	0.475	0.079	0.366	0.476	12,566	0.759
BL446	4 x 6	0.500	0.200	0.475	0.079	0.459	0.547	12,566	0.954
BL466	6 x 6	0.500	0.200	0.475	0.079	0.535	0.652	18,739	1.136
BL522	2 x 2	0.625	0.235	0.594	0.094	0.253	0.351	9,039	0.585
BL523	2 x 3	0.625	0.235	0.594	0.094	0.298	0.398	9,039	0.712
BL534	3 x 4	0.625	0.235	0.594	0.094	0.398	0.495	13,889	1.001
BL544	4 x 4	0.625	0.235	0.594	0.094	0.440	0.542	18,078	1.136
BL546	4 x 6	0.625	0.235	0.594	0.094	0.534	0.637	18,078	1.411
BL566	6 x 6	0.625	0.235	0.594	0.094	0.632	0.732	27,117	1.693
BL588	8 x 8	0.625	0.235	0.594	0.094	0.825	0.927	36,156	2.271
BL622	2 x 2	0.750	0.313	0.713	0.126	0.339	0.457	14,661	0.968
BL623	2 x 3	0.750	0.313	0.713	0.126	0.393	0.546	14,661	1.189
BL634	3 x 4	0.750	0.313	0.713	0.126	0.524	0.685	22,046	1.646
BL644	4 x 4	0.750	0.313	0.713	0.126	0.589	0.750	29,321	1.875
BL646	4 x 6	0.750	0.313	0.713	0.126	0.719	0.880	29,321	2.332
BL666	6 x 6	0.750	0.313	0.713	0.126	0.847	1.015	44,092	2.789
BL688	8 x 8	0.750	0.313	0.713	0.126	1.116	1.278	58,423	3.951
BL822	2 x 2	1.000	0.376	0.950	0.157	0.411	0.555	24,912	1.546
BL823	2 x 3	1.000	0.376	0.950	0.157	0.496	0.631	24,912	1.922
BL834	3 x 4	1.000	0.376	0.950	0.157	0.651	0.805	37,479	2.661
BL844	4 x 4	1.000	0.376	0.950	0.157	0.742	0.864	49,824	3.037
BL846	4 x 6	1.000	0.376	0.950	0.157	0.899	1.041	49,824	3.770
BL866	6 x 6	1.000	0.376	0.950	0.157	1.059	1.212	74,737	4.516
BL888	8 x 8	1.000	0.376	0.950	0.157	1.385	1.539	99,648	6.323

BL Leaf Chain



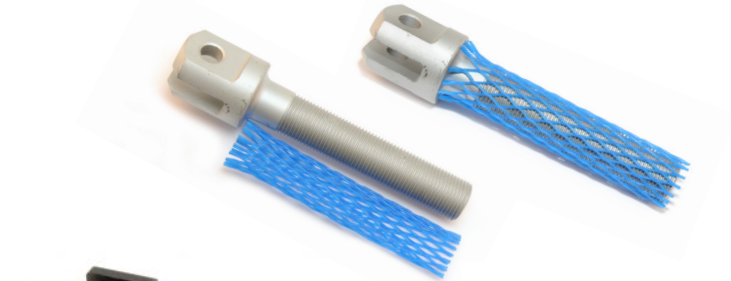
PEER Chain No.	Lacing	Pitch (P)	Pin Diam. (D)	Plate Height (H)	Plate Thickness (T)	Overall Width (F)	Overall Width (G)	Avg. Ult. Tensile Strength (Lbs.)	Avg. Weight Per Foot (Lbs.)
BL1022	2 x 2	1.250	0.437	1.188	0.189	0.505	0.665	34,172	2.459
BL1023	2 x 3	1.250	0.437	1.188	0.189	0.598	0.759	34,172	3.051
BL1034	3 x 4	1.250	0.437	1.188	0.189	0.787	0.948	51,257	4.233
BL1044	4 x 4	1.250	0.437	1.188	0.189	0.879	1.041	68,343	4.825
BL1046	4 x 6	1.250	0.437	1.188	0.189	1.068	1.230	68,343	6.007
BL1066	6 x 6	1.250	0.437	1.188	0.189	1.255	1.448	102,515	7.183
BL1088	8 x 8	1.250	0.437	1.188	0.189	1.639	1.823	132,277	9.542
BL1222	2 x 2	1.500	0.500	1.425	0.220	0.572	0.780	42,990	3.380
BL1223	2 x 3	1.500	0.500	1.425	0.220	0.682	0.786	42,990	4.200
BL1234	3 x 4	1.500	0.500	1.425	0.220	0.902	1.115	64,485	5.839
BL1244	4 x 4	1.500	0.500	1.425	0.220	1.015	1.223	85,980	6.659
BL1246	4 x 6	1.500	0.500	1.425	0.220	1.235	1.444	85,980	8.292
BL1266	6 x 6	1.500	0.500	1.425	0.220	1.467	1.652	128,970	9.932
BL1288	8 x 8	1.500	0.500	1.425	0.220	1.920	2.081	171,961	12.499
BL1422	2 x 2	1.750	0.563	1.663	0.252	0.642	0.850	49,824	4.543
BL1423	2 x 3	1.750	0.563	1.663	0.252	0.766	0.975	49,824	5.645
BL1434	3 x 4	1.750	0.563	1.663	0.252	1.024	1.233	74,737	7.862
BL1444	4 x 4	1.750	0.563	1.663	0.252	1.152	1.361	99,649	8.971
BL1446	4 x 6	1.750	0.563	1.663	0.252	1.418	1.587	99,649	11.168
BL1466	6 x 6	1.750	0.563	1.663	0.252	1.674	1.843	149,473	13.386
BL1488	8 x 8	1.750	0.563	1.663	0.252	2.189	2.378	199,298	17.794
BL1622	2 x 2	2.000	0.687	1.900	0.280	0.724	0.948	78,264	5.544
BL1623	2 x 3	2.000	0.687	1.900	0.280	0.870	1.094	78,264	6.854
BL1634	3 x 4	2.000	0.687	1.900	0.280	1.159	1.376	117,396	8.991
BL1644	4 x 4	2.000	0.687	1.900	0.280	1.303	1.519	159,528	10.342
BL1646	4 x 6	2.000	0.687	1.900	0.280	1.588	1.805	159,528	12.794
BL1666	6 x 6	2.000	0.687	1.900	0.280	1.874	2.090	234,792	15.858
BL1688	8 x 8	2.000	0.687	1.900	0.280	2.444	2.553	313,056	21.053
BL2034	3 x 4	2.500	0.937	2.375	0.374	1.608	1.746	196,873	18.614
BL2044	4 x 4	2.500	0.937	2.375	0.374	1.803	1.941	262,571	21.234
BL2046	4 x 6	2.500	0.937	2.375	0.374	2.195	2.333	262,571	26.543
BL2066	6 x 6	2.500	0.937	2.375	0.374	2.587	2.724	393,746	31.851
BL2088	8 x 8	2.500	0.937	2.375	0.374	3.370	3.508	525,141	42.468

* Information is subject to change without notice. Contact PEER Chain for more details.

Connecting Components

Looking for methods to anchor your leaf chain? PEER Chain offers a variety of leaf chain clevis and anchors per customer specifications. Contact PEER Chain for specific application needs.

Clevis Anchors

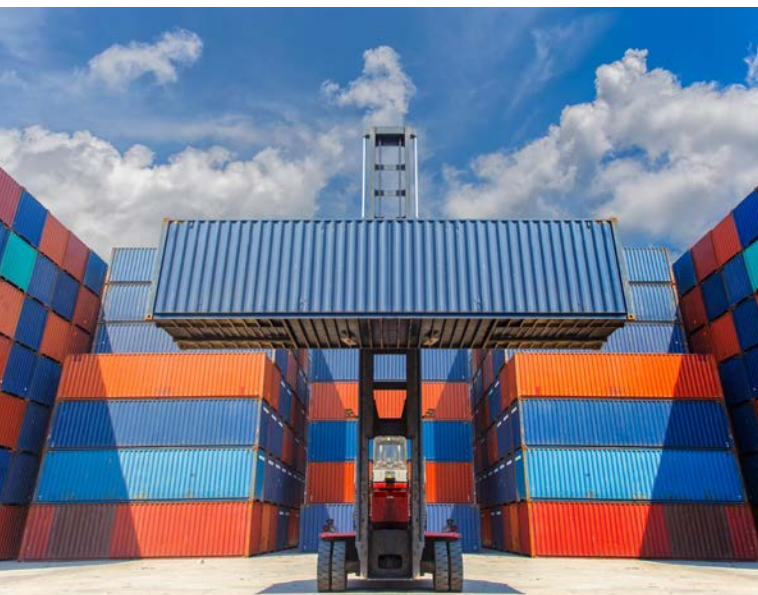


Clevis Pin



Port Lift Chain

To overcome design requirements for 24-7 hours of operation with heavy loads experiencing frequent shock loads, PEER Chain offers Port Lift Chain. This chain is constructed with special alloy steel components to better withstand shock loads and special heat treatment of pins increasing surface hardness to greatly increase wear life. Contact PEER Chain for more information.





Dan Troxell,
Warehouse & Fulfillment
Center Manager

For a retired Marine like Dan (Trox to his friends), “quit” is not a part of his vocabulary! He works tirelessly with his team to ensure every shipment leaves his warehouse on time and up to our customers’ expectations.



Kevin Shrout,
National Sales
Manager

Like a master chef, Kevin identifies the strengths of those around him and then works to coax those qualities to success. With more than 30 years of experience in distribution, it has proven a winning recipe!



Nety Park,
Technical Product
Manager

As a detail-oriented, team player, Nety finds happiness in helping others to solve problems. Like a superhero in one of her favorite movies, managing your most complex projects is something she enjoys doing every day!



Art Merwitz,
Director,
Sprocket Division

There’s only one way to describe Art — a true die-hard! Whether his beloved Cubs or Sprockets, his passion is palpable. You can be sure that when you need a sprocket, Art is your guy to ensure it is perfectly paired!



Eric Ma,
Manager of Engineering
& Quality

A more befitting title could not be given to Eric, unless it also included something about his strength of character. Engineering and quality is what Eric lives, breathes, and embodies day in and day out.



Jeremy Fogo,
Vice President of
Product, Solutions &
Experiences

A consummate people person, Jeremy finds the work he does with PEER customers incredibly rewarding. Being able to solve challenges for PEER customers is something that gets Jeremy out of bed each morning.



Chuck Briere,
Vice President of
Strategic Alliances

What do you say about a guy who has been in the power transmission business for more than 40 years? Chuck loves selling chain. Why? Because chain is a technical product, and he enjoys the mechanics and science of it.



Drew Beadle,
Product Manager

Drew grew up as a sponge surrounded by industrial and farm equipment. His quest to absorb technical and practical knowledge created an expertise in analyzing and creating quality customer solutions for all stakeholders.