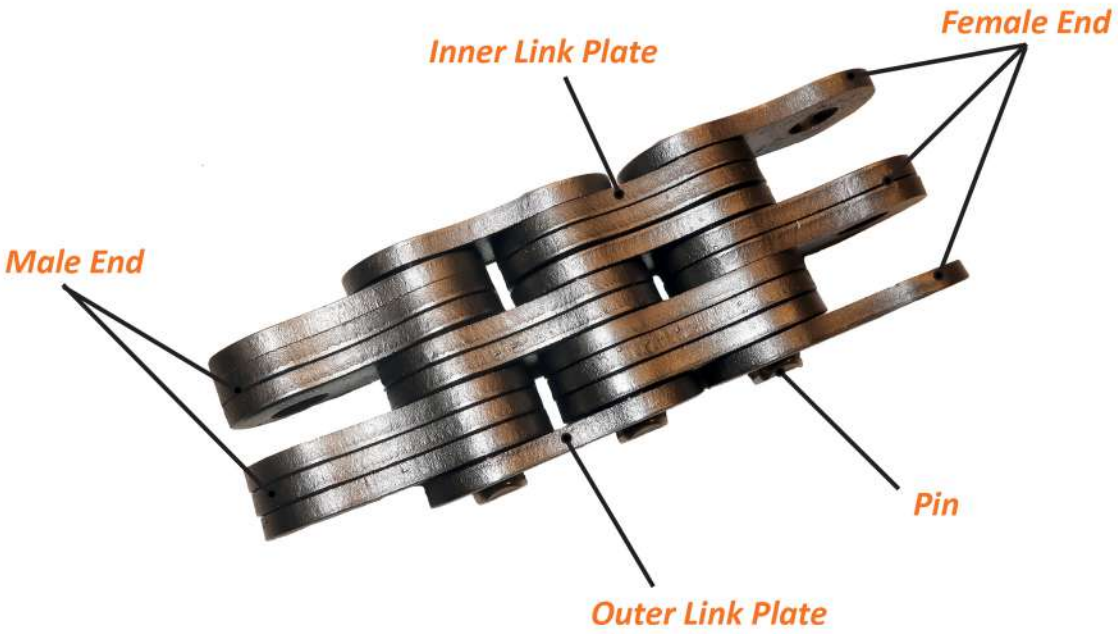
PRINCE GROUP

LEAF CHAIN BROCHURE

Leaf-Chain-Brochure



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:

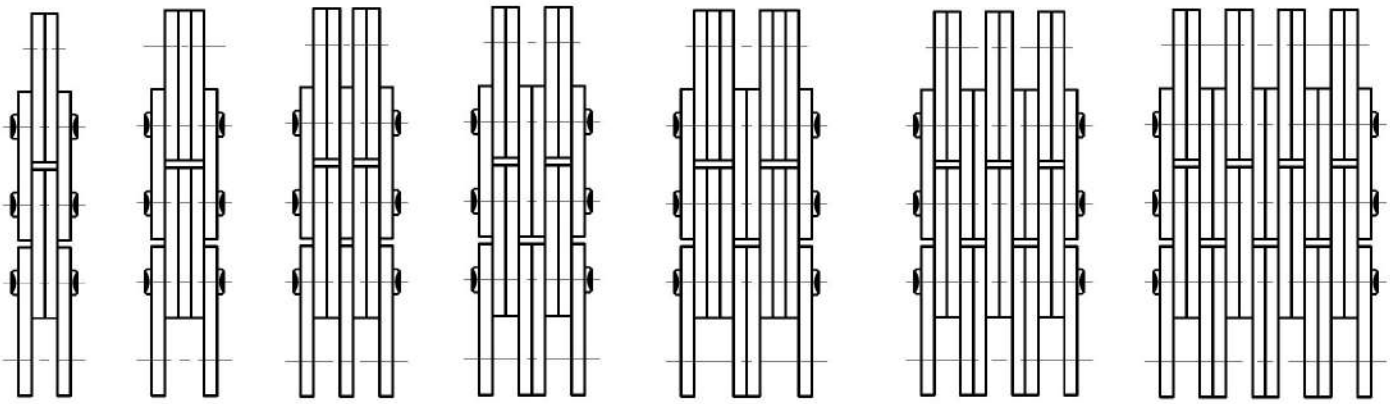
- Link Plates: Close control of the plate dimensions allows for high fatigue strength and long service life. Inner link plates are slip-fit onto the pins as the outer link plates are press-fit and riveted to pins to prevent rotation during operation.
- Pins: The pins pass through the plates and are subject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

AGRICULTURAL CHAINS

Leaf-Chain-Brochure

Chain	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

Leaf-Chain-Brochure



Chain	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