

SKF Leaf Chains

SKF Leaf Chains are designed for high load, slow speed tension linkage applications. Often, they are specified for reciprocating motion lifting devices such as forklifts or as counterweight chains for elevators or telescoping equipment, e.g. cranes. The chains are typically supplied in a specific length and connected to a clevis at each end. The clevis may accommodate “male” ends (inside links) or “female” ends (outside links), as required. SKF Leaf Chains are available in series: AL, BL, LL, FL, 12XX, 15XX, 19XX and 25XX. The AL and BL series are based on American chain standards, while the LL series is based on British chain standards. BL series leaf chains are made according to the ASME/ANSI B29.8 American standard. LL series leaf chains are made in accordance with the ISO 606 international standard. A chain with an even number of pitches has one male and one female end. A chain with an odd number of pitches have either two male or two female ends.

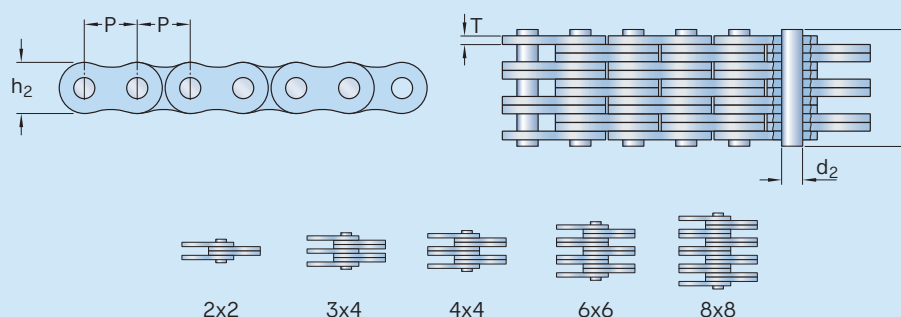
Application

The applications for these chains include counterweight chain for masts, elevator and oven doors, forklift truck masts, spinning frames and any other lifting or balancing application.



SKF Leaf Chains used for lifting in a forklift mast

SKF Leaf Chains – ANSI AL322-AL1688



ANSI Chain number	Dimensions		Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter	Designation
	Pitch	Plate lacing								
	P		h_2 max	T max	d_2 max	L max	Q min	Q_0	q	
	mm						kN		kg/m	
AL322	9,525	2 × 2	7,7	1,3	3,58	6,80	9,0	10,2	0,23	PHC AL322...
AL344		4 × 4				11,60	18,0	20,0	0,46	PHC AL344...
AL422	12,7	2 × 2	10,4	1,5	3,96	8,30	14,1	16,9	0,39	PHC AL422...
AL444		4 × 4				14,40	28,2	35,2	0,74	PHC AL444...
AL466		6 × 6				20,50	42,3	52,7	1,13	PHC AL466...
AL522	15,875	2 × 2	12,8	2,03	5,08	11,05	22,0	27,5	0,64	PHC AL522...
AL534		3 × 4				17,00	33,0	46,0	1,10	PHC AL534...
AL544		4 × 4				19,40	44,0	55,0	1,25	PHC AL544...
AL566		6 × 6				27,50	66,0	82,5	1,79	PHC AL566...
AL622	19,05	2 × 2	15,6	2,42	5,94	13,00	37,0	44,4	0,86	PHC AL622...
AL644		4 × 4				22,70	63,7	78,8	1,76	PHC AL644...
AL666		6 × 6				32,20	100,1	118,6	2,60	PHC AL666...
AL688		8 × 8				42,20	133,4	156,6	3,49	PHC AL688...
AL822	25,4	2 × 2	20,5	3,25	7,92	16,00	56,7	68,6	1,54	PHC AL822...
AL844		4 × 4				29,40	113,4	135,6	3,00	PHC AL844...
AL866		6 × 6				44,20	170,0	202,3	4,46	PHC AL866...
AL1022	31,75	2 × 2	25,6	4	9,53	19,60	88,5	107,1	2,37	PHC AL1022...
AL1044		4 × 4				36,40	177,0	203,6	4,68	PHC AL1044...
AL1066		6 × 6				52,30	265,0	315,3	7,20	PHC AL1066...
AL1088		8 × 8				68,50	354,0	421,2	9,94	PHC AL1088...
AL1222	38,1	2 × 2	30,5	4,8	11,1	24,30	127,0	151,1	3,65	PHC AL1222...
AL1244		4 × 4				43,80	254,0	299,7	7,05	PHC AL1244...
AL1266		6 × 6				63,20	381,0	426,3	10,50	PHC AL1266...
AL1288		8 × 8				82,60	508,0	568,4	14,03	PHC AL1288...
AL1444	44,45	4 × 4	36,4	5,6	12,64	51,30	372,7	413,6	10,34	PHC AL1444...
AL1466		6 × 6				74,56	559,0	620,4	15,16	PHC AL1466...
AL1644	50,8	4 × 4	41,6	6,4	14,21	58,00	471,0	522,8	12,98	PHC AL1644...
AL1666		6 × 6				83,80	706,0	783,6	19,76	PHC AL1666...
AL1688		8 × 8				109,50	942,0	1045,5	25,47	PHC AL1688...

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of AL322 is PHCAL322X10FT.