

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

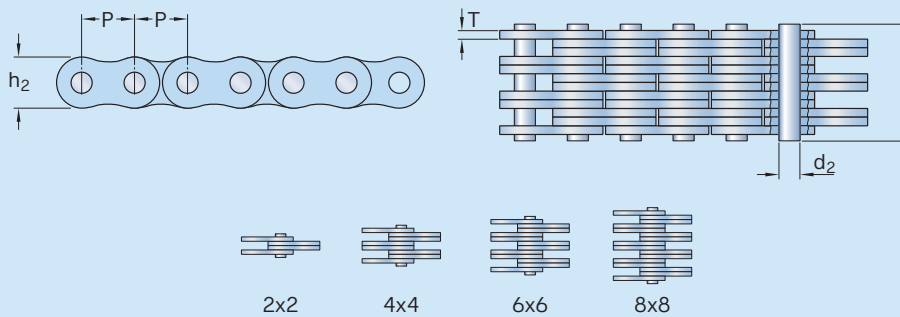
The applications for these chains include counterweight chain for masts, elevator and oven doors, forklift truck masts, spinning frames and any other lifting or balancing application.



SKF Leaf Chains used for lifting in a forklift mast

Table 3

SKF Leaf Chains – BS/ISO LL0822-LL4888



BS/ISO 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	–
LL0822	12,7	2 × 2	10,6	1,6	4,45	8,9	18,2	20,4	0,42	PHC LL0822...
LL0844		4 × 4				15,6	36,4	40,7	0,84	PHC LL0844...
LL0866		6 × 6				22,0	54,6	60	1,24	PHC LL0866...
LL0888		8 × 8				28,5	72,8	80	1,64	PHC LL0888...
LL1022	15,875	2 × 2	13,7	1,6	5,08	9,2	22,7	25,5	0,54	PHC LL1022...
LL1044		4 × 4				15,8	45,4	51	1,06	PHC LL1044...
LL1066		6 × 6				22,1	68,1	76,3	1,57	PHC LL1066...
LL1088		8 × 8				28,8	90,8	101,9	2,1	PHC LL1088...
LL1222	19,05	2 × 2	16	1,85	5,72	10,4	29,5	33,2	0,73	PHC LL1222...
LL1244		4 × 4				17,9	59,0	66,4	1,44	PHC LL1244...
LL1266		6 × 6				25,4	88,5	99,7	2,15	PHC LL1266...
LL1288		8 × 8				32,9	118,0	132,9	2,84	PHC LL1288...
LL1622	25,4	2 × 2	21	3,1	8,28	17,2	58,0	66,7	1,52	PHC LL1622...
LL1644		4 × 4				29,6	116,0	140	2,9	PHC LL1644...
LL1666		6 × 6				42,4	174,0	208,8	4,3	PHC LL1666...
LL1688		8 × 8				54,9	232,0	278	5,71	PHC LL1688...
LL2022	31,75	2 × 2	26,4	3,5	10,19	20,1	95,0	109,2	2,33	PHC LL2022...
LL2044		4 × 4				33,8	190,0	218,5	4,4	PHC LL2044...
LL2066		6 × 6				50,1	285,0	324,6	6,79	PHC LL2066...
LL2088		8 × 8				64,0	380,0	435,1	8,9	PHC LL2088...
LL2422	38,1	2 × 2	33,4	5	14,63	28,4	170,0	195,5	4,47	PHC LL2422...
LL2444		4 × 4				46,3	340,0	380,8	8,22	PHC LL2444...
LL2466		6 × 6				66,4	510,0	571,2	12,22	PHC LL2466...
LL2488		8 × 8				86,6	680,0	775,2	16,3	PHC LL2488...
LL2822	44,45	2 × 2	37,08	6	15,9	32,2	200,0	224	5,1	PHC LL2822...
LL2844		4 × 4				56,4	400,0	448	9,9	PHC LL2844...
LL2866		6 × 6				80,8	600,0	672	14,6	PHC LL2866...
LL2888		8 × 8				105,2	800,0	896	19,4	PHC LL2888...
LL3222	50,8	2 × 2	42	6,4	17,81	34,8	260,0	291,2	6,2	PHC LL3222...
LL3244		4 × 4				60,6	520,0	582,4	12,3	PHC LL3244...
LL3266		6 × 6				86,4	780,0	873,6	18,3	PHC LL3266...
LL3288		8 × 8				112,2	1040,0	1176	24	PHC LL3288...
LL4022	63,5	2 × 2	52,76	8	22,89	42,2	360,0	403,2	10,3	PHC LL4022...
LL4044		4 × 4				74,4	780,0	873,6	20	PHC LL4044...
LL4066		6 × 6				106,5	1080,0	1209,6	30	PHC LL4066...
LL4088		8 × 8				140,0	1440,0	1747,2	39,1	PHC LL4088...
LL4822	76,2	2 × 2	63,88	10	29,24	54,6	560,0	627,2	18,5	PHC LL4822...
LL4844		4 × 4				92,6	1120,0	1554,4	35,7	PHC LL4844...
LL4866		6 × 6				133,4	1680,0	1880	53	PHC LL4866...
LL4888		8 × 8				174,2	2240,0	2508,8	70,4	PHC LL4888...

Standard lengths are 10 ft. and 5 m. To complete designation, add chain length. For example, a 10 ft. box of BL1022 is PHC BL1022X10FT.