

## Leaf Chains

HKK Leaf chains are built of interlaced plates held together by rivet pins. They are built with the same high degree of precision as our roller chains. HKK Leaf chains are used for applications that require strong flexible linkage for transmitting motion or lift. Specially selected steel and unique heat treatment assures high strength and durability. The first number or numbers in leaf chain identifies the chain pitch, the last two numbers identify the chain's lacing. New applications should use BL series leaf chains.

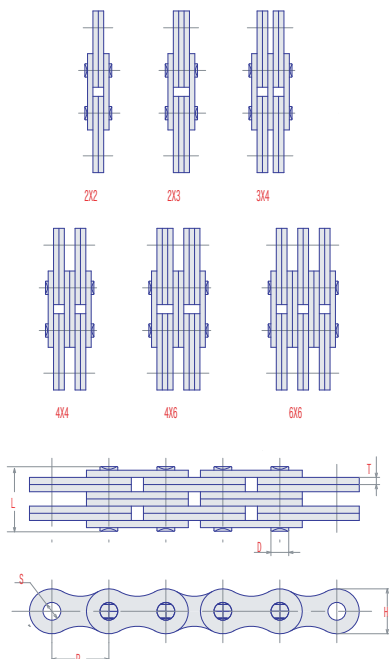
### AL SERIES LEAF CHAIN

HKK AL series Leaf chains are constructed of an equal number of plates on both the inner and outer links. AL series chain use the same pin diameter and plate thickness as standard ANSI chains. AL series Leaf chain was removed from ANSI standards in 1975.

HKK Leaf Chain No.	Assembly	Dimensions - mm					Average Ultimate Strength kN	Maximum Allowable Load kN	Average Weight kg/m
		Pitch	Pin		Plate				
			Dia	Length	Height	Thick.			
P	D	L	H	T	kN	kN	kg/m		
AL-422	2x2	12.70	3.96	8.4	10.3	1.5	18.6	1.86	0.36
AL-444	4x4			14.6			37.3	3.43	0.70
AL-466	6x6			21.2			55.9	3.92	1.04
AL-522	2x2	15.875	5.08	10.5	12.7	2.0	30.4	3.04	0.58
AL-544	4x4			19.0			60.8	5.30	1.16
AL-566	6x6			27.6			94.1	6.28	1.73
AL-622	2x2	19.05	5.95	12.4	15.2	2.4	43.1	4.41	0.81
AL-644	4x4			22.2			86.3	7.45	1.68
AL-666	6x6			32.6			129	8.73	2.46
AL-822	2x2	25.40	7.93	16.6	20.2	3.2	72.6	7.35	1.42
AL-844	4x4			29.4			145	13.2	2.88
AL-866	6x6			43.0			218	15.4	4.23
AL-1022	2x2	31.75	9.53	19.6	24.5	4.0	108	11.6	2.46
AL-1044	4x4			36.2			216	20.6	4.81
AL-1066	6x6			53.5			324	24.0	7.24
AL-1222	2x2	38.10	11.10	24.0	29.2	4.8	152	16.5	3.35
AL-1244	4x4			43.7			304	29.1	6.58
AL-1266	6x6			63.4			456	34.2	9.82
AL-1422	2x2	44.45	12.70	27.8	34.2	5.6	205	22.1	4.99
AL-1444	4x4			51.2			410	38.9	9.56
AL-1466	6x6			73.6			615	46.1	14.13
AL-1622	2x2	50.80	14.28	31.8	40.3	6.4	269	28.3	6.35
AL-1644	4x4			58.4			539	49.9	12.62
AL-1666	6x6			84.8			809	58.8	18.87

### BL SERIES LEAF CHAIN

HKK BL series Leaf chains should be used in all new applications. Greater load capacities are achieved using larger diameter pins and thicker plates. Pin diameters and plate thickness are of the next larger size ANSI standard roller chains.



HKK Leaf Chain No.	Assembly	Dimensions - mm					Average Ultimate Strength kN	Maximum Allowable Load kN	Average Weight kg/m
		Pitch	Pin		Plate				
			Dia	Length	Height	Thick.			
P	D	L	H	T	kN	kN	kg/m		
BL-423	2x3	12.70	5.08	12.5	11.7	2.0	27.5	4.51	0.79
BL-434	3x4			16.8			40.7	5.30	1.07
BL-446	4x6			23.0			54.4	5.98	1.58
BL-523	2x3	15.875	5.95	15.0	14.6	2.4	42.7	6.68	1.19
BL-534	3x4			20.0			64.0	8.33	1.61
BL-546	4x6			27.6			85.3	9.41	2.26
BL-623	2x3	19.05	7.93	19.5	17.5	3.2	70.6	0.81	1.89
BL-634	3x4			26.2			106	12.3	2.68
BL-646	4x6			36.5			141	13.7	4.15
BL-823	2x3	25.40	9.53	23.8	24.1	4.0	114	17.0	3.17
BL-834	3x4			32.5			172	20.6	4.37
BL-846	4x6			45.0			228	23.5	6.23
BL-1023	2x3	31.75	11.10	28.6	29.3	4.8	157	26.0	4.64
BL-1034	3x4			38.7			245	31.4	6.50
BL-1046	4x6			53.4			314	36.3	9.21
BL-1223	2x3	38.10	12.70	34.2	35.1	5.6	207	36.8	6.46
BL-1234	3x4			45.5			332	44.1	9.05
BL-1246	4x6			62.6			414	50.5	11.86
BL-1423	2x3	44.45	14.28	38.8	40.9	6.4	270	49.0	8.90
BL-1434	3x4			51.7			405	58.8	11.61
BL-1446	4x6			71.2			539	67.7	17.86
BL-1623	2x3	50.80	17.45	43.7	46.7	7.2	392	58.8	12.08
BL-1634	3x4			58.9			618	70.6	16.85
BL-1646	4x6			80.2			785	80.4	23.94