

# Leaf Chains

SY Leaf chains are well suited for any application requiring flexible, high strength linkage for reciprocating motion or lift at relatively low speed. For their low cost and long life, widely used for lift trucks, masts and other lifting as construction and mining machines and excellent as balance and counterweights of machine tools and so forth.

## CONSTRUCTION AND LACING COMBINATIONS

Built of interlaced plates held together by riveted pins. The chain nomenclature indicates the lacing combinations.

### AL SERIES (LIGHT DUTY)

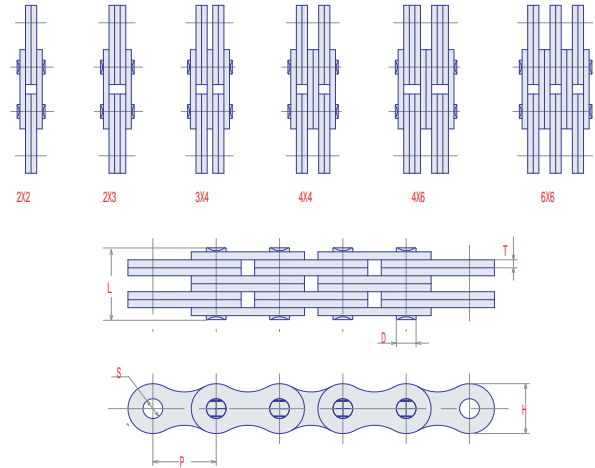
Consisting of link plates of the same contour and thickness as the pin link plates of ANSI roller chains in same pitch. Mainly used for relatively constant, low, medium load with less shock.

### BL SERIES (HEAVY DUTY)

Consisting of link plates with next large size pitch chain of ANSI roller chains. Chiefly used for medium load with greater shock.

### LL SERIES (ISO 606)

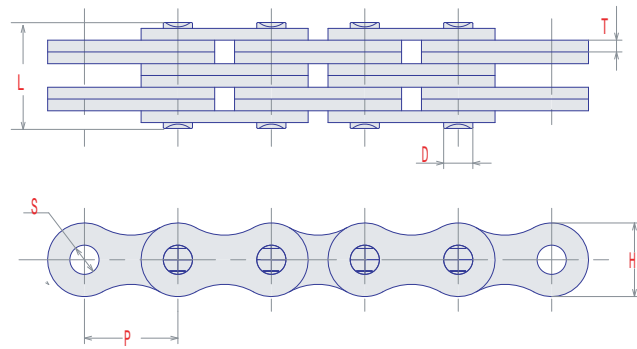
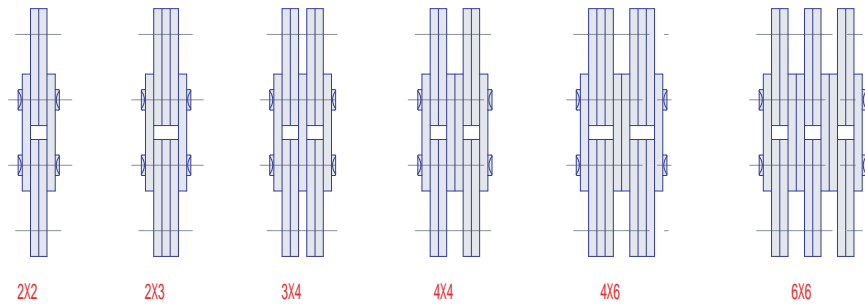
Consisting of link plates of the same contour and thickness as the pin link plates of BS roller chains in same pitch.



SY Chain No.	Lacing	Dimensions - mm						Average Ultimate Strength	Maximum Allowable Load	Average Weight
		Pitch	Pin		Plate		Hole Dia			
			Dia.	Length	Height	Thickness				
P	D	L	H	T	S	kN	kN	kg/m		
AL 422	2 × 2	12.70	3.96	8.4	10.3	1.5	4.03	18.6	1.86	0.36
AL 444	4 × 4			14.6				37.3	3.43	0.70
AL 466	6 × 6			21.2				55.9	3.92	1.04
AL 522	2 × 2	15.875	5.08	10.5	12.7	2.0	5.15	30.4	3.04	0.58
AL 544	4 × 4			19.0				60.8	5.30	1.16
AL 566	6 × 6			27.6				94.1	6.28	1.73
AL 622	2 × 2	19.05	5.95	12.4	15.2	2.4	6.04	43.1	4.41	0.81
AL 644	4 × 4			22.2				86.3	7.45	1.68
AL 666	6 × 6			32.6				129	8.73	2.46
AL 822	2 × 2	25.40	7.93	16.6	20.2	3.2	8.00	72.6	7.35	1.42
AL 844	4 × 4			29.4				145	13.2	2.88
AL 866	6 × 6			43.0				218	15.4	4.23
AL 1022	2 × 2	31.75	9.53	19.6	24.5	4.0	9.59	108	11.6	2.46
AL 1044	4 × 4			36.2				216	20.6	4.81
AL 1066	6 × 6			53.5				324	24.0	7.24
AL 1222	2 × 2	38.10	11.10	24.0	29.2	4.8	11.22	152	16.5	3.35
AL 1244	4 × 4			43.7				304	29.1	6.58
AL 1266	6 × 6			63.4				456	34.2	9.82
AL 1422	2 × 2	44.45	12.70	27.8	34.2	5.6	12.82	205	22.1	4.99
AL 1444	4 × 4			51.2				410	38.9	9.56
AL 1466	6 × 6			73.6				615	46.1	14.13
AL 1622	2 × 2	50.80	14.28	31.8	40.3	6.4	14.47	269	28.3	6.35
AL 1644	4 × 4			58.4				539	49.9	12.62
AL 1666	6 × 6			84.8				809	58.8	18.87

SY Chain No.	Lacing	Dimensions - mm						Average Ultimate Strength	Maximum Allowable Load	Average Weight
		Pitch	Pin		Plate		Hole Dia			
			Dia.	Length	Height	Thickness				
			P	D	L	H				
							kN	kN	kg/m	
BL422	2 × 2	12.70	5.08	10.5	11.7	2.0	5.15	27.5	4.51	0.64
BL423	2 × 3			12.5				0.79		
BL434	3 × 4			16.8				1.07		
BL444	4 × 4			19.0				1.22		
BL446	4 × 6			23.0				1.58		
BL466	6 × 6			27.5				1.89		
BL522	2 × 2	15.875	5.95	12.4	14.6	2.4	6.04	42.7	6.86	1.01
BL523	2 × 3			15.0				1.19		
BL534	3 × 4			20.0				1.61		
BL544	4 × 4			22.2				1.80		
BL546	4 × 6			27.6				2.26		
BL566	6 × 6			32.4				2.65		
BL622	2 × 2	19.05	7.93	16.6	17.5	3.2	8.00	70.6	9.81	1.53
BL623	2 × 3			19.5				1.89		
BL634	3 × 4			26.2				2.68		
BL644	4 × 4			29.2				3.04		
BL646	4 × 6			36.5				4.15		
BL666	6 × 6			43.0				4.58		
BL822	2 × 2	25.40	9.53	19.6	24.1	4.0	9.59	114	17.0	2.57
BL823	2 × 3			23.8				3.17		
BL834	3 × 4			32.5				4.37		
BL844	4 × 4			36.2				4.95		
BL846	4 × 6			45.0				6.23		
BL866	6 × 6			53.5				7.44		
BL1022	2 × 2	31.75	11.10	24.0	29.3	4.8	11.20	157	26.0	3.73
BL1023	2 × 3			28.6				4.64		
BL1034	3 × 4			38.7				6.50		
BL1044	4 × 4			43.7				7.41		
BL1046	4 × 6			53.4				9.21		
BL1066	6 × 6			63.4				11.07		
BL1222	2 × 2	38.10	12.70	27.8	35.1	5.6	12.82	207	36.8	4.77
BL1223	2 × 3			34.2				6.46		
BL1234	3 × 4			45.5				9.05		
BL1244	4 × 4			51.2				10.27		
BL1246	4 × 6			62.6				11.86		
BL1266	6 × 6			73.6				14.40		
BL1422	2 × 2	44.45	14.28	31.8	40.9	6.4	14.39	270	49.0	7.87
BL1423	2 × 3			38.8				8.90		
BL1434	3 × 4			51.7				11.61		
BL1444	4 × 4			58.4				12.87		
BL1446	4 × 6			71.2				17.86		
BL1466	6 × 6			84.8				22.33		
BL1622	2 × 2	50.80	17.45	35.8	46.7	7.2	17.62	392	58.8	9.77
BL1623	2 × 3			43.7				12.08		
BL1634	3 × 4			58.9				16.85		
BL1644	4 × 4			65.9				18.85		
BL1646	4 × 6			80.2				23.94		
BL1666	6 × 6			96.2				28.54		

# Leaf Chains



SY Chain No.	Lacing	Dimensions - mm						Minimum Ultimate Strength	Average Chain Weight
		Pitch	Pin		Plate		Hole Dia		
			Dia.	Length	Height	Thickness			
P	D	L	H	T	S	kN	kg/m		
LL0822	2 x 2	12.70	4.45	7.6	10.9	1.25	4.46	17.8	0.31
LL0844	4 x 4			13.0				31.1	0.60
LL0866	6 x 6			18.4				44.5	0.89
LL1022	2 x 2	15.875	5.08	9.3	13.7	1.65	5.09	22.2	0.48
LL1044	4 x 4			16.1				44.5	0.94
LL1066	6 x 6			22.9				66.7	1.40
LL1222	2 x 2	19.05	5.72	10.7	16.1	1.80	5.73	28.9	0.63
LL1244	4 x 4			18.5				57.8	1.22
LL1266	6 x 6			26.3				86.7	1.82
LL1622	2 x 2	25.40	8.28	17.2	21.0	3.20	8.30	58.0	1.48
LL1644	4 x 4			30.2				116	2.90
LL1666	6 x 6			43.2				174	4.31
LL2022	2 x 2	31.75	10.19	20.1	26.4	3.50	10.21	95.0	2.17
LL2044	4 x 4			35.1				190	4.24
LL2066	6 x 6			50.1				285	6.30
LL2422	2 x 2	38.10	14.63	28.4	33.4	4.90	14.65	170	4.02
LL2444	4 x 4			49.4				340	7.79
LL2466	6 x 6			70.4				510	11.55
LL2822	2 x 2	44.45	15.90	34.0	37.0	6.3	15.92	200	5.42
LL2844	4 x 4			60.0				400	10.56
LL2866	6 x 6			86.0				600	15.71
LL3222	2 x 2	50.80	17.81	35.0	42.2	6.3	17.83	260	5.92
LL3244	4 x 4			61.0				520	11.50
LL3266	6 x 6			87.0				780	17.06