

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)

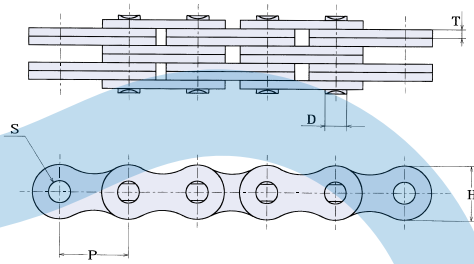
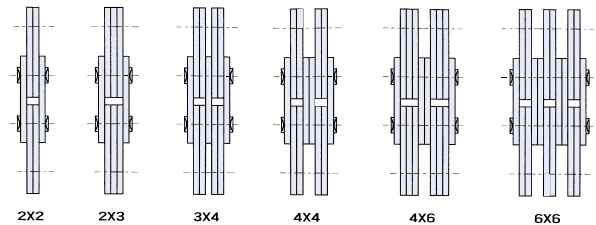
Consisting of link plates of the same contour and thickness as the pin link plates of ANSI roller chains in same pitch. Mainly used for relatively constant, low, medium load with less shock.

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)

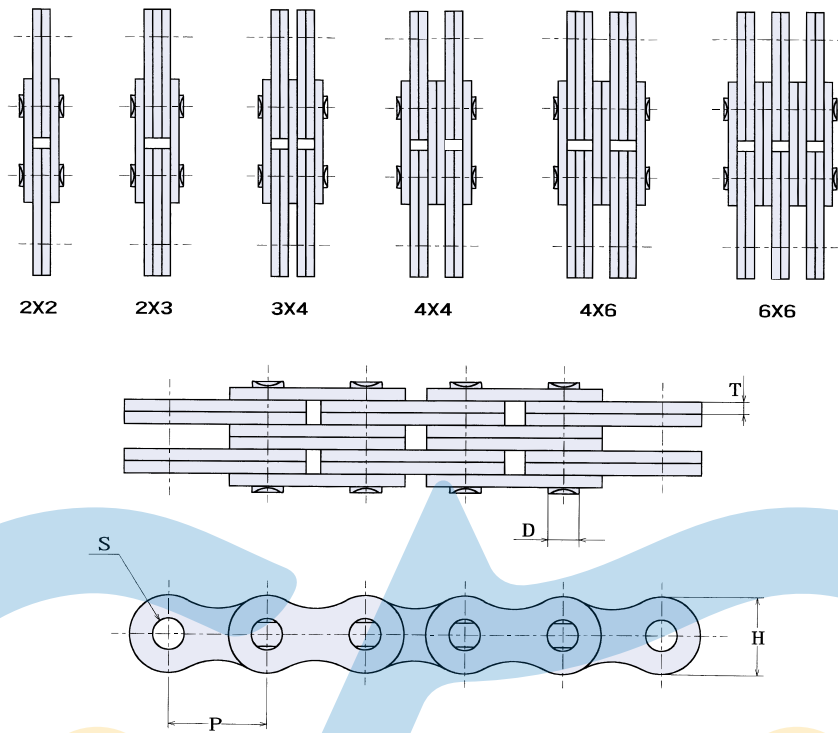
Consisting of link plates of the same contour and thickness as the pin link plates of BS roller chains



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		
AL422	2x2	12.70	3.96	8.4	10.3	1.5	4.03	18.6	1.86	0.36
AL444	4x4			14.6				37.3	3.43	0.70
AL466	6x6			21.2				55.9	3.92	1.04
AL522	2x2	15.875	5.08	10.5	12.7	2.0	5.15	30.4	3.04	0.58
AL544	4x4			19.0				60.8	5.30	1.16
AL566	6x6			27.6				94.1	6.28	1.73
AL622	2x2	19.05	5.95	12.4	15.2	2.4	6.04	43.1	4.41	0.81
AL644	4x4			22.2				86.3	7.45	1.68
AL666	6x6			32.6				129	8.73	2.46
AL822	2x2	25.40	7.93	16.6	20.2	3.2	8.00	72.6	7.35	1.42
AL844	4x4			29.4				145	13.2	2.88
AL866	6x6			43.0				218	15.4	4.23
AL1022	2x2	31.75	9.53	19.6	24.5	4.0	9.59	108	11.6	2.46
AL1044	4x4			36.2				216	20.6	4.81
AL1066	6x6			53.5				324	24.0	7.24
AL1222	2x2	38.10	11.10	24.0	29.2	4.8	11.22	152	16.5	3.35
AL1244	4x4			43.7				304	29.1	6.58
AL1266	6x6			63.4				456	34.2	9.82
AL1422	2x2	44.45	12.70	27.8	34.2	5.6	12.82	205	22.1	4.99
AL1444	4x4			51.2				410	38.9	9.56
AL1466	6x6			73.6				615	46.1	14.13
AL1622	2x2	50.80	14.28	31.8	40.3	6.4	14.47	269	28.3	6.35
AL1644	4x4			58.4				539	49.9	12.62
AL1666	6x6			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				
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				27.5	4.51	0.79
BL434	3 × 4			16.8				40.7	5.30	1.07
BL444	4 × 4			19.0				54.4	5.98	1.22
BL446	4 × 6			23.0				54.4	5.98	1.58
BL466	6 × 6			27.5				82.5	9.81	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				42.7	6.86	1.19
BL534	3 × 4			20.0				64.0	8.33	1.61
BL544	4 × 4			22.2				85.3	9.41	1.80
BL546	4 × 6			27.6				85.3	9.41	2.26
BL566	6 × 6			32.4				127	15.7	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				70.6	9.81	1.89
BL634	3 × 4			26.2				106	12.3	2.68
BL644	4 × 4			29.2				141	13.7	3.04
BL646	4 × 6			36.5				141	13.7	4.15
BL666	6 × 6			43.0				212	24.5	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				114	17.0	3.17
BL834	3 × 4			32.5				172	20.6	4.37
BL844	4 × 4			36.2				228	23.5	4.95
BL846	4 × 6			45.0				228	23.5	6.23
BL866	6 × 6			53.5				342	40.2	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				157	26.0	4.64
BL1034	3 × 4			38.7				245	31.4	6.50
BL1044	4 × 4			43.7				314	36.3	7.41
BL1046	4 × 6			53.4				314	36.3	9.21
BL1066	6 × 6			63.4				471	58.8	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				207	36.8	6.46
BL1234	3 × 4			45.5				332	44.1	9.05
BL1244	4 × 4			51.2				414	50.5	10.27
BL1246	4 × 6			62.6				414	50.5	11.86
BL1266	6 × 6			73.6				621	73.1	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				270	49.0	8.90
BL1434	3 × 4			51.7				405	58.8	11.61
BL1444	4 × 4			58.4				539	67.7	12.87
BL1446	4 × 6			71.2				539	67.7	17.86
BL1466	6 × 6			84.8				810	95.1	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				392	58.8	12.08
BL1634	3 × 4			58.9				618	70.6	16.85
BL1644	4 × 4			65.9				785	80.4	18.85
BL1646	4 × 6			80.2				785	80.4	23.94
BL1666	6 × 6			96.2				1176	137.3	28.54

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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	4.8	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