

Leaf Chain is the most simple of steel chains, consisting only of link plates and pins. This chain generally has greater tensile strength than roller chains and runs over sheaves rather than sprockets. They are suitable for hanging, balancing or motion transmitting applications. Leaf chains are often used as counterweight chains for machine tools, elevator and oven doors, forklift truck masts, spinning frames and similar lifting or balancing applications.

Plates are connected by pins and hold the tension loaded on the chain.

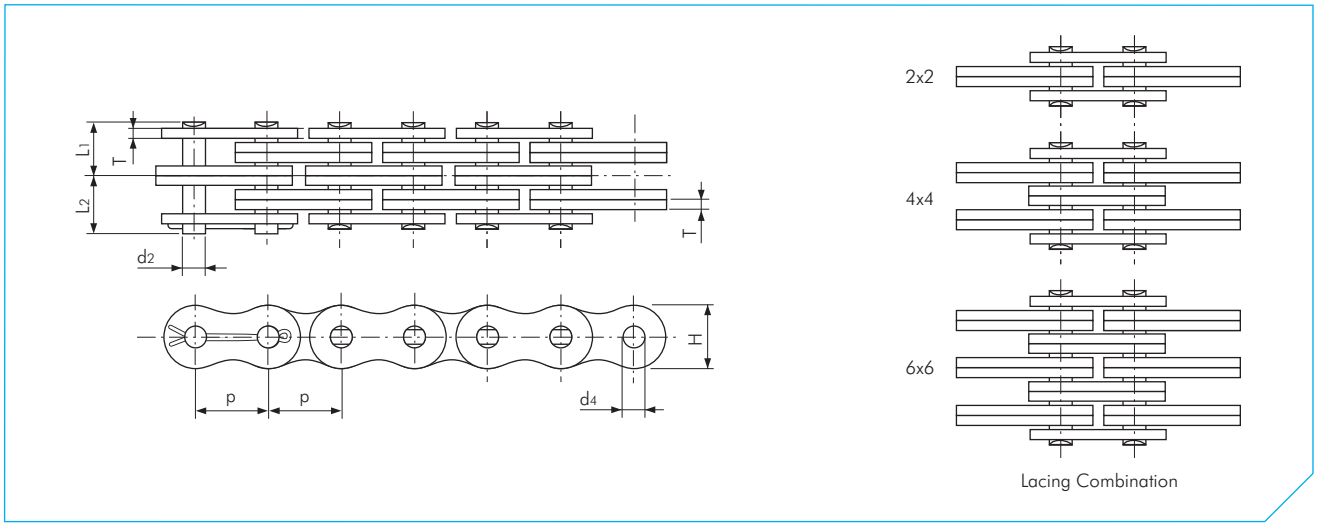
### **AL Type**

Plate configuration and thickness are the same as ANSI G8 roller chain. Pin diameter is almost the same as ANSI G8 roller chain.

### **BL Type**

BL Series leaf chains consist of link plates which are thicker and larger in contour than the AL Series link plates of the same pitch. The link plates have the same thickness as the link plates of the next larger pitch size in ANSI G8 roller chains. The pins have the same diameter as those of ANSI G8 roller chains of the next larger pitch.





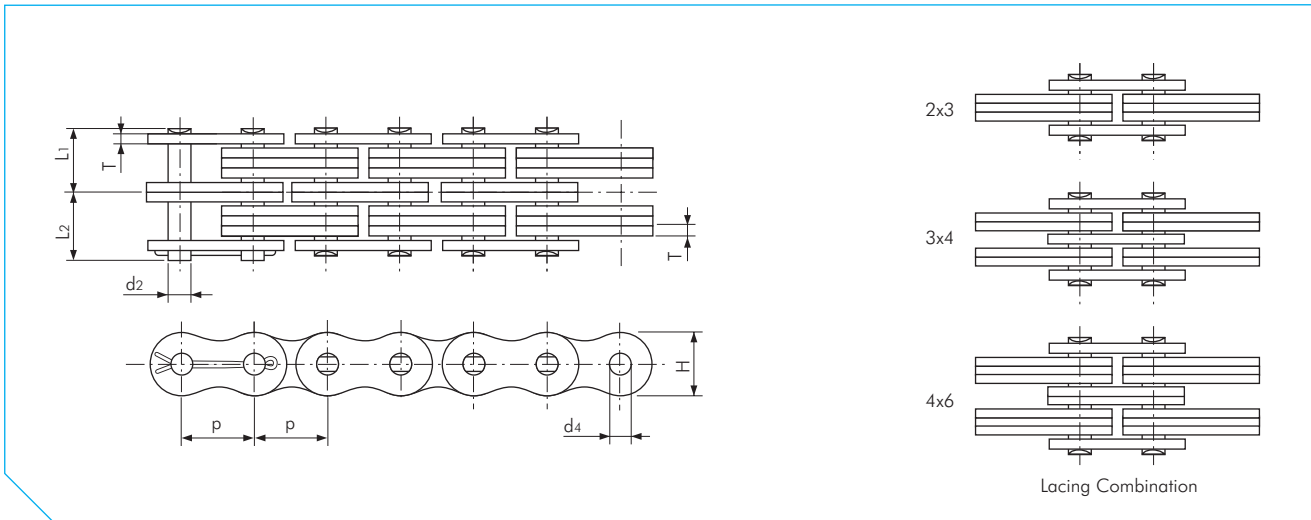
## AL Type

Dimensions in mm

TSUBAKI Chain No.	Pitch		Lacing Combination	Pin			Link Plate			Min. Tensile Strength acc. to Tsubaki	Approx. Mass
	p	LC		Diameter	Length	Length	Thickness	Height	Hole Diameter		
				d2	L1	L2	T	H (max)	d4	kN	kg/m
AL 422			2 x 2		4.15	5.55				16.7	0.38
AL 444	12.70	(1/2")	4 x 4	3.96	7.35	8.85	1.50	10.40	4.02	33.3	0.74
AL 466			6 x 6		10.40	11.85				50.0	1.10
AL 522			2 x 2		5.40	6.90				27.5	0.62
AL 544	15.875	(5/8")	4 x 4	5.08	9.45	11.05	2.00	13.00	5.13	54.9	1.22
AL 566			6 x 6		13.70	15.20				82.4	1.81
AL 622			2 x 2		6.45	8.45				38.2	0.87
AL 644	19.05	(3/4")	4 x 4	5.95	11.35	13.85	2.40	15.60	6.00	76.5	1.71
AL 666			6 x 6		16.40	19.00				115.0	2.54
AL 822			2 x 2		8.175	10.975				64.7	1.51
AL 844	25.40	(1")	4 x 4	7.90	14.90	17.70	3.20	20.80	7.97	129.0	2.98
AL 866			6 x 6		21.60	24.40				194.0	4.44
AL 1022			2 x 2		10.025	13.225				98.1	2.69
AL 1044	31.75	(1 1/4")	4 x 4	9.48	18.35	21.55	4.00	26.00	9.57	196.0	5.31
AL 1066			6 x 6		26.65	29.85				294.0	7.93
AL 1222			2 x 2		12.10	15.80				141.0	3.57
AL 1244	38.10	(1 1/2")	4 x 4	11.04	22.00	25.70	4.80	31.20	11.14	282.0	7.07
AL 1266			6 x 6		31.925	35.625				424.0	10.56
AL 1444			4 x 4		25.65	30.15				373.0	10.34
AL 1466	44.45	(1 3/4")	6 x 6	12.64	37.275	41.775	5.60	36.40	12.74	559.0	15.16
AL 1644			4 x 4		29.025	34.025				471.0	12.98
AL 1666	50.80	(2")	6 x 6	14.21	42.225	47.225	6.40	41.60	14.32	706.0	19.41

**Note:**

1. For more detailed information regarding clevises and sheaves, please contact Tsubaki.



## BL Type

Dimensions in mm

TSUBAKI Chain No.	Pitch p	Lacing Combination LC	Pin			Link Plate			Min. Tensile Strength acc. to Tsubaki kN	Approx. Mass kg/m
			Diameter d2	Length L1	Length L2	Thickness T	Height H (max)	Hole Diameter d4		
BL 422	12.70 (1/2")	2 x 2	5.08	5.40	6.90	2.00	12.00	5.13	23.5	0.68
BL 423		2 x 3		6.475	7.825				23.5	0.84
BL 434		3 x 4		8.65	9.75				35.3	1.13
BL 444		4 x 4		9.45	11.05				47.1	1.28
BL 446		4 x 6		11.80	12.40				47.1	1.65
BL 466		6 x 6		13.70	15.20				70.6	1.96
BL 522	15.875 (5/8")	2 x 2	5.94	6.325	8.225	2.40	15.00	6.00	39.2	1.07
BL 523		2 x 3		7.60	9.80				39.2	1.27
BL 534		3 x 4		10.05	11.95				58.8	1.69
BL 544		4 x 4		11.275	13.175				78.5	1.89
BL 546		4 x 6		13.75	16.05				78.5	2.40
BL 566		6 x 6		16.225	18.125				118.0	2.80
BL 622	19.05 (3/4")	2 x 2	7.90	8.175	10.975	3.20	18.10	7.97	63.7	1.68
BL 623		2 x 3		9.95	12.15				63.7	2.04
BL 634		3 x 4		13.225	16.025				95.6	2.83
BL 644		4 x 4		14.90	17.70				127.0	3.18
BL 646		4 x 6		18.25	20.25				127.0	4.01
BL 666		6 x 6		21.60	24.40				191.0	4.73
BL 822	25.40 (1")	2 x 2	9.48	10.025	13.225	4.00	24.10	9.57	103.0	2.59
BL 823		2 x 3		12.10	15.30				103.0	3.20
BL 834		3 x 4		16.275	19.475				155.0	4.44
BL 844		4 x 4		18.35	21.55				206.0	5.04
BL 846		4 x 6		22.50	25.70				206.0	6.32
BL 866		6 x 6		26.65	29.85				309.0	7.54
BL 1022	31.75 (1 1/4")	2 x 2	11.04	12.10	15.80	4.80	30.10	11.14	141.0	3.76
BL 1023		2 x 3		14.45	18.15				141.0	4.69
BL 1034		3 x 4		19.425	23.125				216.0	6.55
BL 1044		4 x 4		22.00	25.70				282.0	7.48
BL 1046		4 x 6		26.85	30.55				282.0	9.29
BL 1066		6 x 6		31.925	35.625				424.0	11.16
BL 1222	38.10 (1 1/2")	2 x 2	12.64	14.05	18.45	5.60	36.20	12.74	186.0	4.83
BL 1223		2 x 3		16.95	21.45				186.0	6.54
BL 1234		3 x 4		22.75	27.25				299.0	9.10
BL 1244		4 x 4		25.65	30.15				373.0	10.39
BL 1246		4 x 6		31.475	35.975				373.0	12.01
BL 1266		6 x 6		37.275	41.775				559.0	14.58
BL 1422	44.45 (1 3/4")	2 x 2	14.21	15.80	20.90	6.40	42.20	14.32	235.0	7.31
BL 1423		2 x 3		19.10	24.10				235.0	9.06
BL 1434		3 x 4		25.70	30.70				387.0	11.32
BL 1444		4 x 4		29.025	34.025				471.0	12.96
BL 1446		4 x 6		35.625	40.625				471.0	18.00
BL 1466		6 x 6		42.225	47.225				706.0	22.51
BL 1622	50.80 (2")	2 x 2	17.38	17.85	24.55	7.20	48.20	17.49	353.0	9.84
BL 1623		2 x 3		21.625	28.225				353.0	12.16
BL 1634		3 x 4		29.20	35.80				554.0	16.95
BL 1644		4 x 4		33.00	39.60				706.0	18.97
BL 1646		4 x 6		40.525	47.125				706.0	24.09
BL 1666		6 x 6		48.075	54.775				1060.0	28.73

**Note:**

1. For more detailed information regarding clevises and sheaves, please contact Tsubaki.