ANSI LEAF CHAIN

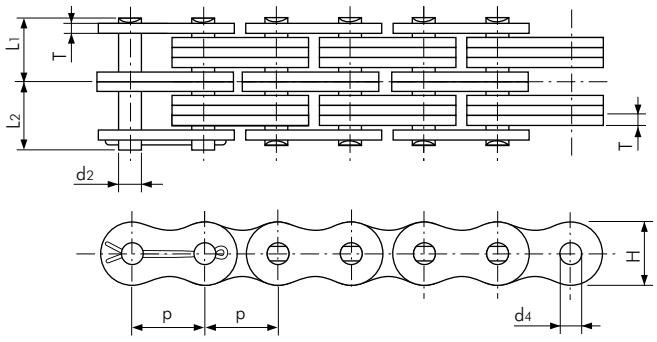
Leaf Chain is the most simple of steel chains, consisting only of link plates and pins. This chain generally has greater tensile strength than roller chains and runs over sheaves rather than sprockets. They are suitable for hanging, balancing or motion transmitting applications. Leaf chains are often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

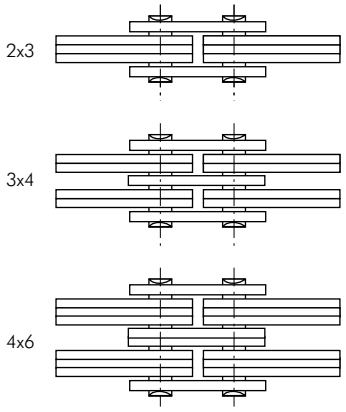
Plates are connected by pins and hold the tension loaded on the chain.

AL Type
Plate configuration and thickness are the same as ANSI G7 roller chain. Pin diameter is almost the same as ANSI G7 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 G7 roller chains. The pins have the same diameter as those of ANSI G7 roller chains of the next larger pitch.

ANSI LEAF CHAIN





Lacing Combination

BL Type

Dimensions in mm

TSUBAKI Chain No.	Pitch p		Lacing Combination LC	Pin Diameter d2	Pin Length L1	Pin Length L2	Link Plate Thickness T	Link Plate Height H (max)	Link Plate Hole Diameter d4	Min. Tensile Strength acc. to Tsubaki kN	Approx. Mass kg/m
BL 422	12.70	(1/2")	2 x 2	5.08	5.44	6.99	2.00	12.00	5.13	23.5	0.68
BL 423			2 x 3		6.48	8.02				23.5	0.84
BL 434			3 x 4		8.61	10.15				35.3	1.13
BL 444			4 x 4		9.70	11.25				47.1	1.28
BL 446			4 x 6		11.80	13.35				47.1	1.65
BL 466			6 x 6		13.89	15.44				69.4	1.96
BL 522	15.875	(5/8")	2 x 2	5.94	6.32	8.23	2.40	15.00	6.00	39.2	1.07
BL 523			2 x 3		7.55	9.45				39.2	1.27
BL 534			3 x 4		10.05	11.95				58.8	1.69
BL 544			4 x 4		11.28	13.18				78.5	1.89
BL 546			4 x 6		13.75	15.65				78.5	2.40
BL 566			6 x 6		16.23	18.14				117.4	2.80
BL 622	19.05	(3/4")	2 x 2	7.90	8.20	11.02	3.20	18.10	7.97	63.7	1.68
BL 623			2 x 3		9.88	12.67				63.7	2.04
BL 634			3 x 4		13.23	16.02				95.6	2.83
BL 644			4 x 4		14.91	17.70				127.0	3.18
BL 646			4 x 6		18.25	21.05				127.0	4.01
BL 666			6 x 6		21.62	24.41				191.2	4.73
BL 822	25.40	(1")	2 x 2	9.48	10.08	13.28	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		16.28	19.47				155.0	4.44
BL 844			4 x 4		18.47	21.67				206.0	5.04
BL 846			4 x 6		22.50	25.70				206.0	6.32
BL 866			6 x 6		26.64	29.85				309.0	7.54
BL 1022	31.75	(1 1/4")	2 x 2	11.04	11.99	15.67	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		19.43	23.12				216.0	6.55
BL 1044			4 x 4		21.69	25.37				282.0	7.48
BL 1046			4 x 6		26.85	30.55				282.0	9.29
BL 1066			6 x 6		31.93	35.61				424.0	11.16
BL 1222	38.10	(1 1/2")	2 x 2	12.64	14.02	18.54	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	30.18				373.0	10.39
BL 1246			4 x 6		31.48	35.97				373.0	12.01
BL 1266			6 x 6		37.29	41.81				559.0	14.58
BL 1422	44.45	(1 3/4")	2 x 2	14.21	15.82	20.83	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		29.03	34.04				471.0	12.96
BL 1446			4 x 6		35.63	40.62				471.0	18.00
BL 1466			6 x 6		42.24	47.24				706.0	22.51
BL 1622	50.80	(2")	2 x 2	17.38	17.81	24.41	7.20	48.20	17.49	353.0	9.84
BL 1623			2 x 3		21.63	28.22				353.0	12.16
BL 1634			3 x 4		29.20	35.80				554.0	16.95
BL 1644			4 x 4		32.94	39.55				706.0	18.97
BL 1646			4 x 6		40.53	47.12				706.0	24.09
BL 1666			6 x 6		48.08	54.69				1060.0	28.73

Note:

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