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謙虛的態度、專業的服務

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ROLLER CHAIN P·A·R·T·S

PIN

Pins act as chain bearing members to receive shearing and bending force when load is applied to chain. Therefore, pins must have high strength and toughness as well as resistance to wear.

ROLLER

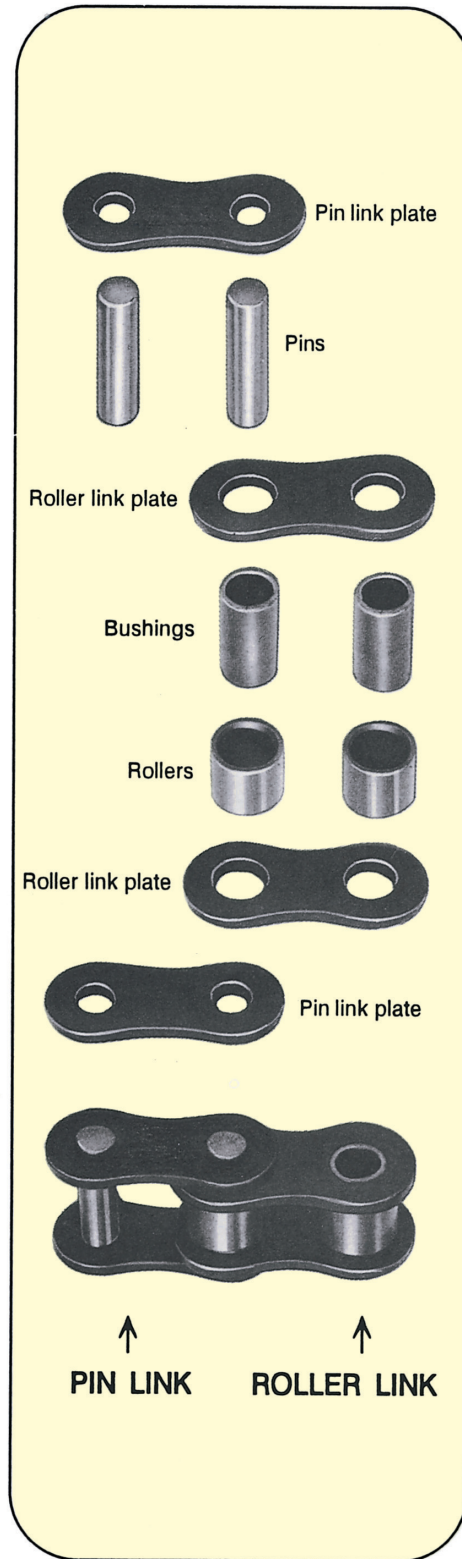
The rollers act as shock absorbing members to protect other component parts when chain engages with sprocket teeth, thus must have toughness with proper surface hardness.

LINK PLATE

The chain link plates act as the main tension members when load is applied to chain. As such, link plates must have maximum strength and resistance to fatigue to withstand demanding conditions of heavy, pulsating and shock loads.

BUSHING

The bushings act as chain bearing members along with pins. Bushings have particularly high wear resisting properties together with proper strength and toughness.





ROLLER CHAIN P·A·R·T·S

PIN LINK

An outside link consisting of two pin link plates assembled with two pins.

There are three types of pin links :

Riveted :

Standard type of pin link.

Double Cotter :

Pin link with two cotters.

Long Solid Cotter :

Pin link with one long cotter.

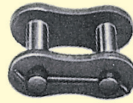
PIN LINKS



Riveted

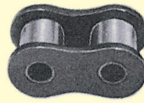


Double cotter



Long solid cotter

ROLLER LINK

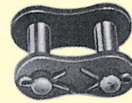


Roller link

CONNECTING LINKS



Spring clip



Cotter pin

OFFSET LINKS



Two pitch offset link



One pitch offset link

CONNECTING LINK

An outside link consisting of a pin link plate, two assembled pins and a detachable pin link plate. There are two types of connecting links :

Spring Clip Type :

The detachable pin link plate is retained by a spring clip which engages grooves cut in the ends of the pins.

Cotter Pin Type :

With two cotters.

ROLLER LINK

An inside link consisting of two roller link plates, two bushings and two rollers.

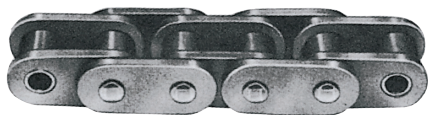
OFFSET LINK

A link consisting of two offset link plates, a bushing, a roller, a removable pin, and cotter.

The two pitch offset link consisting of a roller link and an offset link, which are connected by a riveted press-fit pin.

CHAIN TYPES AND THEIR FEATURES

In order to satisfy heavy works in agriculture, agricultural roller chains furnished by TYC for either



transmission or conveying are qualified in durability & strength.

AGRICULTURAL ROLLER CHAIN

ANSI STD ROLLER CHAIN

TYC ANSI standard roller chains are compatible with those of other manufactures because they conform to all the requirements of the ANSI B29 .1. The major usage of TYC ANSI standard roller chains is for power



transmission. For higher loading, multiple strands are available.

ISO STANDARD ROLLER CHAIN

TYC ISO standard roller chains conform to ISO, DIN and BS requirements. They can



be adapted to European factories and as substitutions for the chains on the European machine.

DOUBLE PITCH ROLLER CHAIN

TYC produces two types of double pitch roller chain :
 Transmission-with "8" shaped side plates.
 Conveyor-with straight side plates.

conveyor

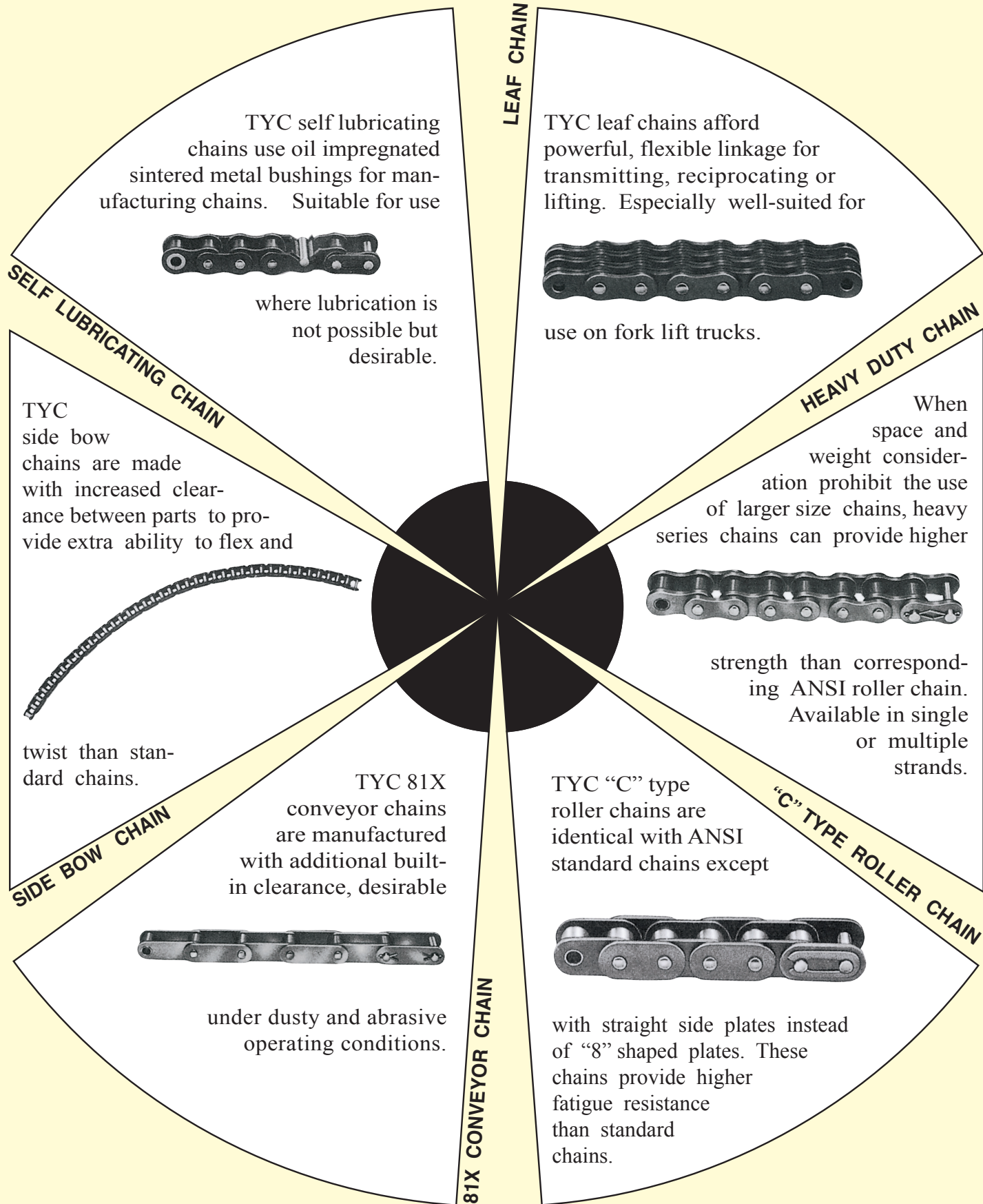


transmission



These chains are furnished as the same standard as ANSI series, with all elements remaining unchanged except the double length pitch, and can serve in lower speed, light load and longer distance works.

Under the same precision quality, the reduction of material provide a more economical choice.



SELF LUBRICATING CHAIN

TYC self lubricating chains use oil impregnated sintered metal bushings for manufacturing chains. Suitable for use where lubrication is not possible but desirable.



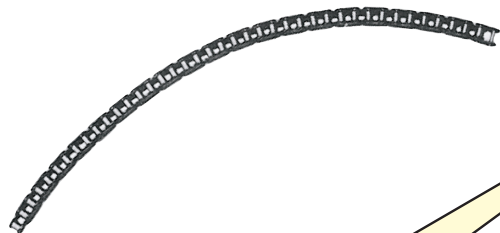
LEAF CHAIN

TYC leaf chains afford powerful, flexible linkage for transmitting, reciprocating or lifting. Especially well-suited for use on fork lift trucks.



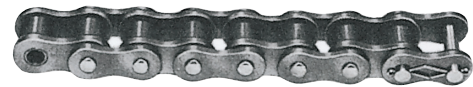
SIDE BOW CHAIN

TYC side bow chains are made with increased clearance between parts to provide extra ability to flex and twist than standard chains.



HEAVY DUTY CHAIN

When space and weight consideration prohibit the use of larger size chains, heavy series chains can provide higher strength than corresponding ANSI roller chain. Available in single or multiple strands.



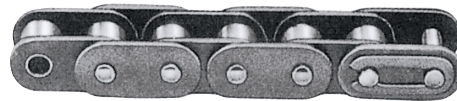
81X CONVEYOR CHAIN

TYC 81X conveyor chains are manufactured with additional built-in clearance, desirable under dusty and abrasive operating conditions.

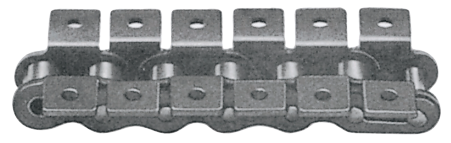


'C' TYPE ROLLER CHAIN

TYC "C" type roller chains are identical with ANSI standard chains except with straight side plates instead of "8" shaped plates. These chains provide higher fatigue resistance than standard chains.



There are numerous ANSI standard attachments available with TYC ANSI standard roller chains, such as D-1, D-3, A-1, D-1, M-1, M35 and series



with "W" suffix. Special types and various combinations would also be supplied on made-to-order basis.

ATTACHMENT

TYC motorcycle chains are design to resist wear, shock and fatigue to enable today's sophisticated motorcycles for increasing horse-power, ridden at higher speed and with high torque.

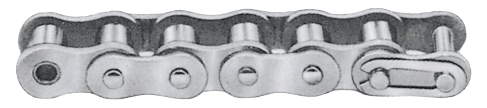


Nickel alloy coating gives good corrosive resistant characteristics. TYC nickel plated roller chains have the same strengths, wear resistance as those of ANSI standard roller chains.



MOTORCYCLE CHAIN

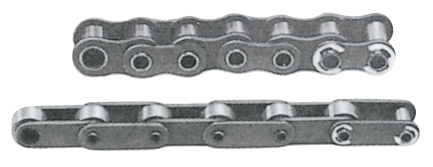
Being made to the same principal dimensions as ANSI standard roller chains and made in stainless steel, stainless steel roller chain inherent excellent corrosion resistance and that is the best reason to choose TYC stainless steel roller chains to serve in unusual high or low temperature or corrosive environment.



Rollerless chains, the ANSI standard roller chains assembled without rollers, can be applied where rollers are not necessary. Like lifting or tension linkage.



Hollow pin chains provide unlimited conveyor design versatility. Attachments or cross-rod can be inserted in the holes at any frequency, thus hollow pin chains allow various changes of combination without removing the chains from the conveyor.



HOLLOW PIN CHAIN

TYC motorcycle chains are design to resist wear, shock and fatigue to enable today's sophisticated motorcycles for increasing horse-power, ridden at higher speed and with high torque.

NICKEL PLATED CHAIN

STAINLESS STEEL CHAIN

ROLLERLESS CHAIN

LEAF CHAINS

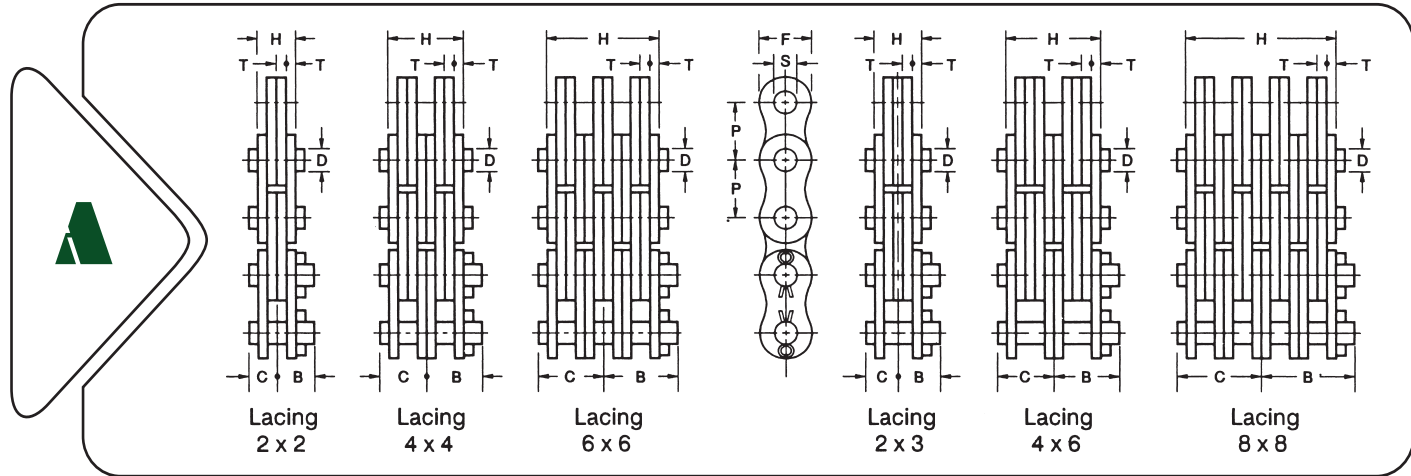
TYPE A 50

TYPE B 51

TYPE L 52



LEAF CHAINS

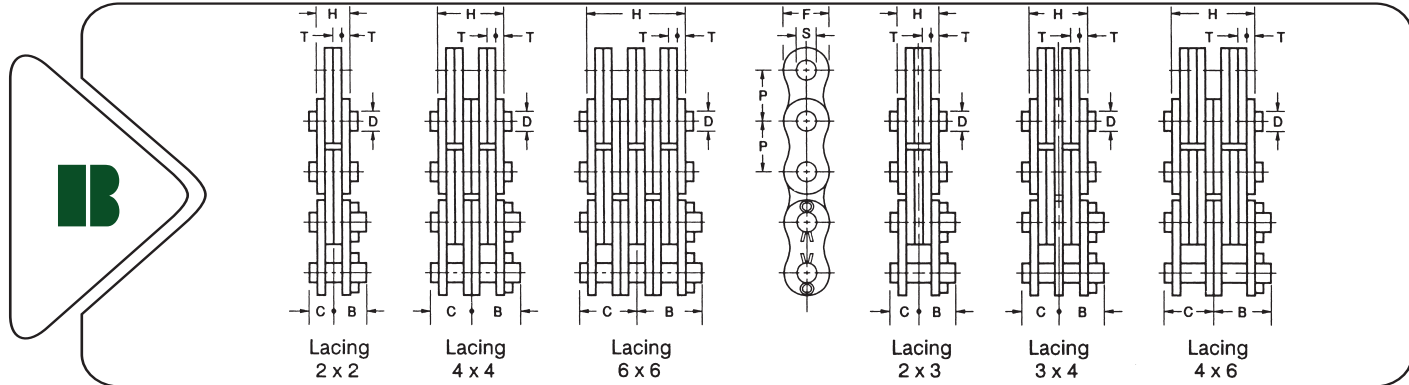


AL series leaf chain is comprised of link plates having the same contour, pitch and thickness as those of pin link plates of the same pitch ANSI standard roller chain. The pins are the same diameter as that of the same pitch ANSI standard roller chain.

Chain No.	Pitch		Lacing	Pin			Links				Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P			C	B	D	S	T	H	F		
	inch	mm										
AL- 222	1/4	6.35	2 x 2	2.41	3.41	2.32	3.34	0.76	3.40	5.01	420	0.09
AL- 322	3/8	9.525	2 x 2	3.51	5.26	3.59	3.62	1.28	5.44	7.80	1050	0.21
AL- 422	1/2	12.70	2 x 2	4.15	6.15	3.98	4.0	1.49	6.45	10.41	1800	0.35
AL- 444			4 x 4	7.30	9.35				12.90		3600	0.69
AL- 466			6 x 6	10.37	12.37				19.35		5400	1.03
AL- 522	5/8	15.875	2 x 2	5.35	7.55	5.09	5.12	2.01	8.48	13.01	3000	0.58
AL- 523			2 x 2	6.43	8.68				8.48		3010	0.72
AL- 544			4 x 4	9.30	11.55				16.96		6000	1.14
AL- 566	3/4	19.05	6 x 6	13.60	16.20	5.96	5.98	2.38	25.45	15.64	9000	1.69
AL- 622			2 x 2	6.42	8.92				9.91		4200	0.79
AL- 644			4 x 4	11.17	13.77				19.81		8400	1.53
AL- 646	1	25.40	4 x 6	13.57	16.17	7.94	7.96	3.18	24.77	20.82	8400	1.91
AL- 666			6 x 6	16.05	18.60				29.72		12600	2.29
AL- 688			8 x 8	20.95	23.70				39.62		16800	3.05
AL- 822	1 1/4	31.75	2 x 2	8.62	11.62	9.54	9.57	3.99	13.41	26.03	7200	1.44
AL- 844			4 x 4	14.95	19.05				26.82		14400	2.81
AL- 866			6 x 6	21.52	25.57				40.23		21600	4.20
AL- 888	1 1/2	38.10	8 x 8	28.65	32.05	11.11	11.14	4.80	53.64	31.24	28800	5.57
AL-1044			4 x 4	18.84	21.94				33.12		23000	4.69
AL-1066			6 x 6	26.89	30.79				49.68		34000	6.99
AL-1088	1 3/4	44.45	8 x 8	35.19	38.99	12.71	12.75	5.57	66.24	36.44	46000	9.29
AL-1244			4 x 4	22.33	26.43				39.62		29600	6.24
AL-1266			6 x 6	31.88	36.78				59.44		44400	9.30
AL-1288	2	50.8	8 x 8	41.83	46.73	14.29	14.33	6.49	79.25	41.65	59200	12.37
AL-1444			4 x 4	25.77	31.07				46.60		43000	9.15
AL-1466			6 x 6	37.27	41.97				69.60		65000	13.70
AL-1488	2	50.8	8 x 8	48.62	53.62	14.29	14.33	6.49	92.60	41.65	86700	18.30
AL-1644			4 x 4	29.26	33.96				52.9		57100	11.3
AL-1666			6 x 6	42.51	46.81				79.6		85800	16.9
AL-1688	2	50.8	8 x 8	55.61	60.61	14.29	14.33	6.49	105.2	41.65	114000	22.6



LEAF CHAINS

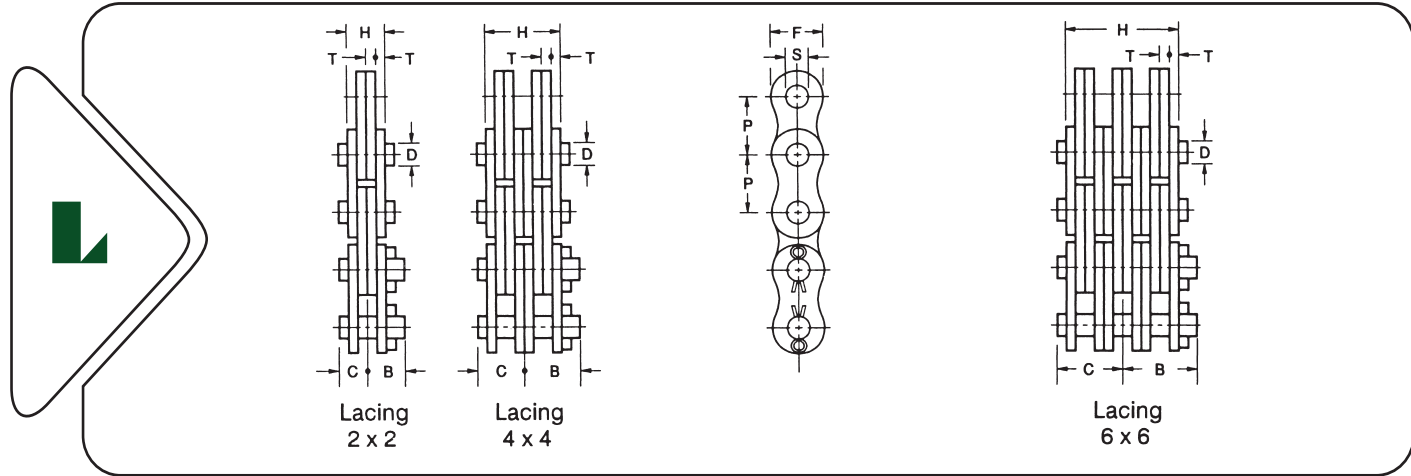


BL series leaf chain is comprised of link plates having the same contour and pitch as those of roller link plates of the same pitch ANSI standard roller chain, but the thickness of the next large pitch ANSI standard roller chain.

Chain No.	Pitch		Lacing	Pin			Links				Avg. Ult. Tensile Strength kgf	Approx. Weight kg/m
	inch	mm		C	B	D	S	T	H	F		
BL- 422	1/2	12.70	2 x 2	5.38	7.58	5.09	5.12	2.01	8.48	12.06	2700	0.58
BL- 423			2 x 3	6.43	8.68				10.62		2700	0.72
BL- 434			3 x 4	8.30	11.05				14.86		4050	1.00
BL- 444			4 x 4	9.30	12.10				16.97		5400	1.13
BL- 446			4 x 6	11.65	13.90				21.21		5400	1.42
BL- 466			6 x 6	13.60	16.20				25.45		8100	1.69
BL- 522	5/8	15.875	2 x 2	6.42	8.92	5.96	5.98	2.38	9.91	15.08	4250	0.87
BL- 523			2 x 3	7.57	10.12				12.40		4250	1.06
BL- 534			3 x 4	10.02	12.57				17.35		6400	1.49
BL- 544			4 x 4	11.17	13.77				19.81		8500	1.69
BL- 546			4 x 6	13.57	16.17				24.77		8500	2.10
BL- 566			6 x 6	16.05	18.60				29.72		12750	2.52
BL- 622	3/4	19.05	2 x 2	8.62	11.62	7.94	7.96	3.18	13.41	18.10	6550	1.44
BL- 623			2 x 3	9.97	13.87				16.76		6550	1.77
BL- 634			3 x 4	13.30	17.40				23.47		10000	2.45
BL- 644			4 x 4	14.95	19.05				26.82		13200	2.79
BL- 646			4 x 6	18.25	22.35				33.53		13200	3.47
BL- 666			6 x 6	21.52	25.77				40.23		19800	4.15
BL- 822	1	25.40	2 x 2	10.44	14.09	9.54	9.56	3.99	16.56	24.13	10500	2.30
BL- 823			2 x 3	12.59	16.04				20.70		10500	2.86
BL- 834			3 x 4	16.54	20.44				28.98		15500	3.96
BL- 844			4 x 4	18.84	21.94				33.12		21000	4.52
BL- 846			4 x 6	22.84	26.44				41.40		21000	5.61
BL- 866			6 x 6	26.89	30.79				49.68		30000	6.72
BL- 1022	1 1/4	31.75	2 x 2	12.70	16.88	11.11	11.14	4.80	19.81	30.16	15000	3.66
BL- 1023			2 x 3	15.18	19.28				24.77		15000	4.54
BL- 1034			3 x 4	19.98	24.08				34.67		22500	6.30
BL- 1044			4 x 4	22.33	26.43				39.62		30000	7.18
BL- 1046			4 x 6	27.13	31.23				49.53		30000	8.94
BL- 1066			6 x 6	31.88	36.78				59.44		45000	10.69
BL- 1222	1 1/2	38.10	2 x 2	14.52	19.82	12.71	12.74	5.57	23.27	36.19	20000	5.03
BL- 1223			2 x 3	17.32	22.62				29.08		20000	6.25
BL- 1234			3 x 4	22.92	28.32				40.72		30000	8.69
BL- 1244			4 x 4	25.77	31.07				46.53		40000	9.91
BL- 1246			4 x 6	31.37	36.67				58.17		40000	12.34
BL- 1266			6 x 6	37.27	41.97				69.80		60000	14.78
BL- 1422	1 3/4	44.45	2 x 2	16.31	21.61	14.29	14.31	6.49	26.42	42.22	24000	6.76
BL- 1423			2 x 3	19.46	24.76				33.22		24000	8.40
BL- 1434			3 x 4	26.01	31.31				46.23		36000	11.70
BL- 1444			4 x 4	29.26	34.56				52.83		48000	13.35
BL- 1466			6 x 6	18.00	23.00				79.25		72000	19.92
BL- 1622			2	50.80	2 x 2				—		—	17.46
BL- 1623	2 x 3	—			—	36.9	35000	10.20				
BL- 1634	3 x 4	29.44			34.94	51.5	63000	14.20				
BL- 1644	4 x 4	33.09			38.69	58.8	71200	16.20				
BL- 1646	4 x 6	40.34			45.84	73.3	71200	20.30				
BL- 1666	6 x 6	47.59			53.09	87.8	106800	24.30				
BL- 1688	6 x 6	62.09	67.59	87.8	141470	31.45						



LEAF CHAINS



LL series leaf chain is comprised of link plates having the same contour, and pitch as those of roller link plates of the same pitch DIN standard roller chain. The pins are the same diameter as that of the same pitch DIN standard roller chain.

Chain No.	Pitch		Lacing	Pin			Links				Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P			C	B	D	S	T	H	F		
	inch	mm										
LL0622	3/8	9.525	2 x 2	2.88	4.48	3.28	3.29	1.02	4.3	8.80	1100	0.23
LL0644			4 x 4	4.93	6.53				8.55		2200	0.45
LL0666			6 x 6	7.13	8.73				12.80		3300	0.66
LL0822	1/2	12.70	2 x 2	4.31	6.41	4.45	4.46	1.60	6.75	10.90	2000	0.37
LL0844			4 x 4	7.66	9.76				13.45		4000	0.72
LL0866			6 x 6	11.06	13.16				20.05		6000	1.07
LL1022	5/8	15.875	2 x 2	4.48	6.58	5.08	5.09	1.60	6.75	13.70	2500	0.45
LL1044			4 x 4	7.83	9.93				13.45		5000	0.89
LL1066			6 x 6	11.23	13.33				20.05		7500	1.33
LL1222	3/4	19.05	2 x 2	5.09	7.59	5.72	5.73	1.80	7.60	16.10	3800	0.65
LL1244			4 x 4	8.99	11.49				15.10		7600	1.28
LL1266			6 x 6	12.79	15.29				22.60		11400	1.91
LL1622	1	25.4	2 x 2	8.21	11.71	8.28	8.29	3.00	12.65	21.10	7345	1.30
LL1644			4 x 4	15.01	18.51				25.15		14690	2.58
LL1666			6 x 6	21.46	24.96				37.65		22035	3.83
LL2022	1 1/4	31.75	2 x 2	9.58	13.52	10.19	10.23	3.50	14.80	26.40	11000	2.00
LL2044			4 x 4	16.85	20.85				29.90		22000	3.92
LL2066			6 x 6	24.10	28.10				44.93		33100	5.84
LL2422	1 1/2	38.7	2 x 2	13.67	18.67	14.63	14.68	5.00	21.10	33.40	19800	4.1
LL2444			4 x 4	24.17	29.17				42.0		39500	8.0
LL2466			6 x 6	34.67	39.67				62.7		59300	11.8

NOTE :LL06xx is according to work standard.