



Josef Henkenjohann GmbH
Your partner in drive
technology since 1956



Leaf Chain



Power in Every Link Trust in Every Lift



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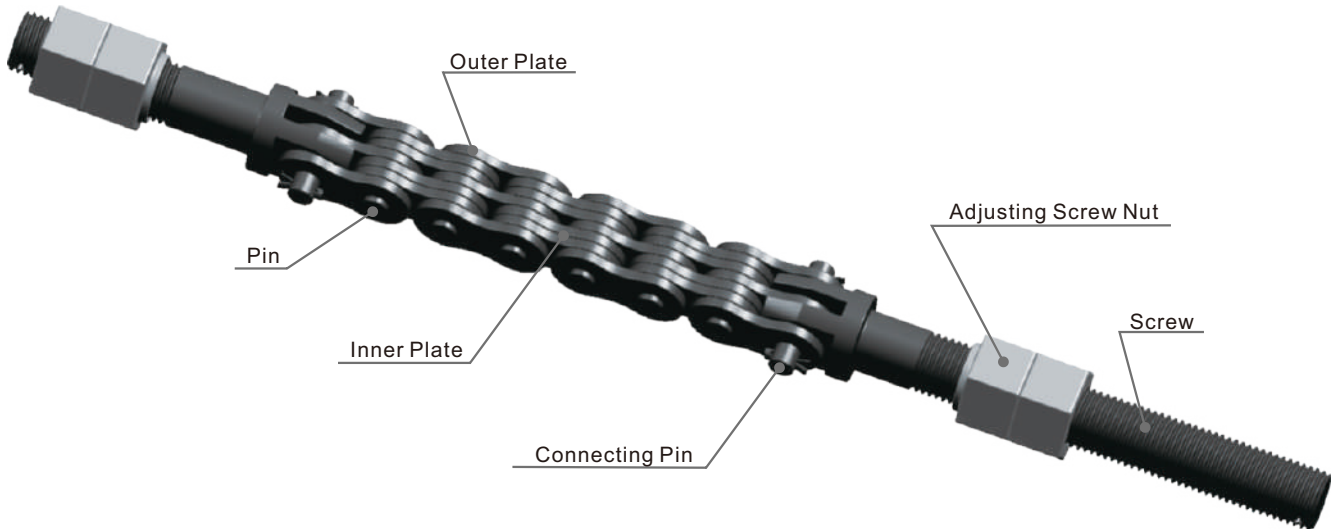
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Standort

Kapellenweg 41, 33415 Verl

Leaf Chain Outstanding Quality



The structure of leaf chain

Our leaf chain is a type of specialized chain, similar to a roller chain but without the rollers, primarily used for lifting and balancing heavy loads in applications like forklifts, cranes, and other material handling equipment.

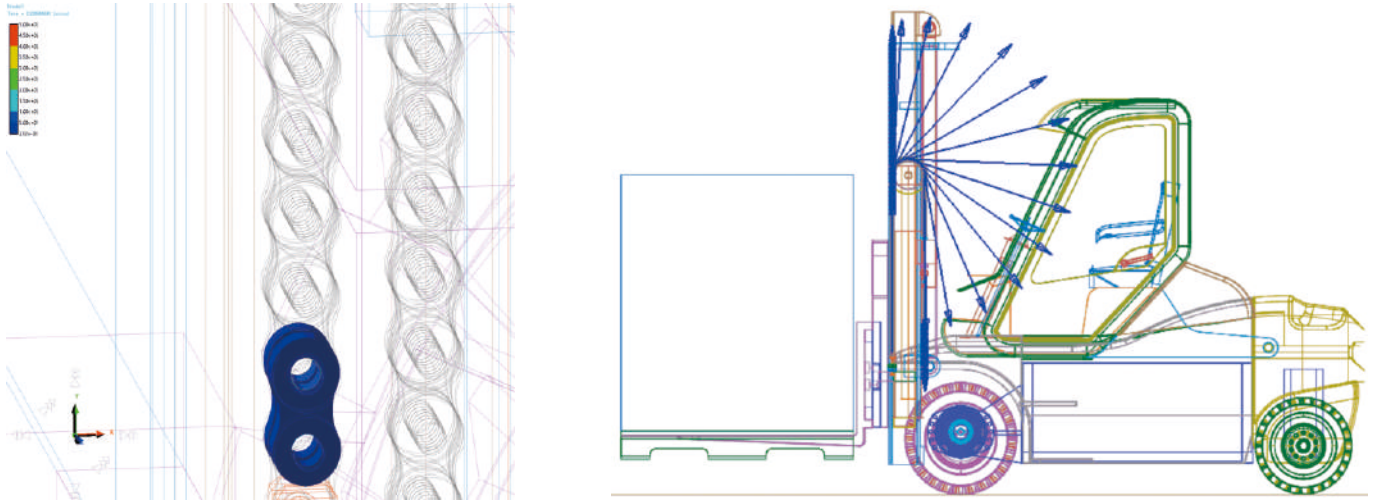
It's constructed from a series of link plates and pins.

Assorted materials, manufacturing and heat treatment processes ensure a **higher safety level and lower maintenance costs** for your equipment.

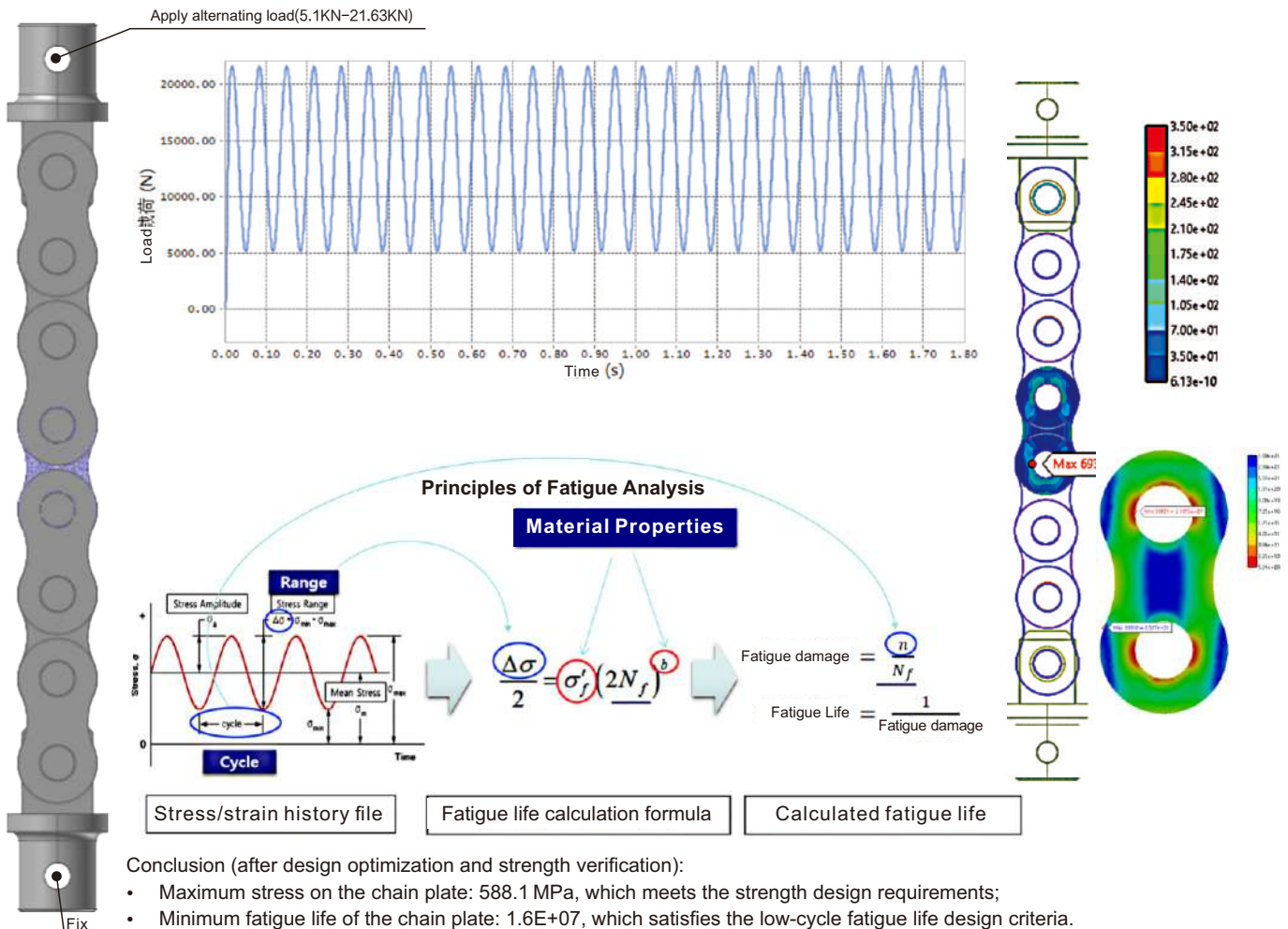


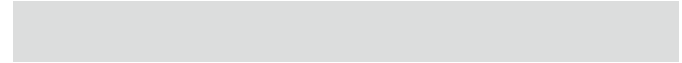


Digital Simulation for Predicting Low-cycle Fatigue Life

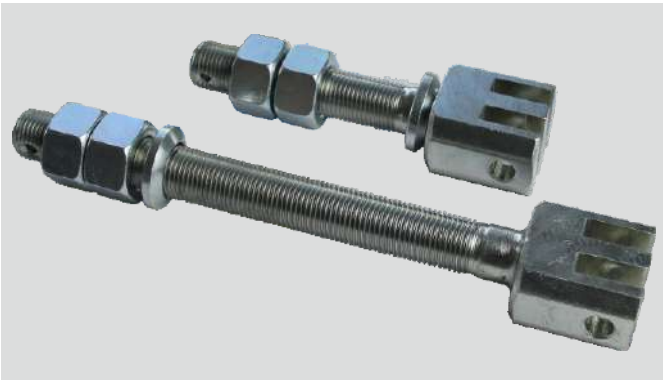


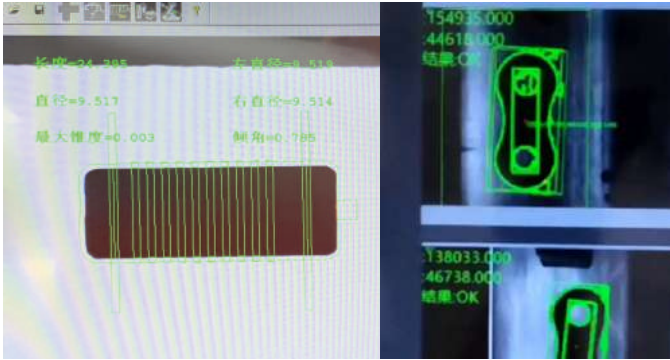
Using digital simulation technology, the real-time variation patterns of chain tension and chain plate stress during the operation of the leaf chain have been obtained, effectively overcoming the technical limitation of traditional static load-based strength calculation methods, which were unable to determine the maximum chain tension and the maximum working stress of the chain plate.





Delivery with precisely fitting components – pre-assembled or off the “role” – everything is possible.





Optical Image Detection
All parts of the leaf chains are 100% optical inspected.



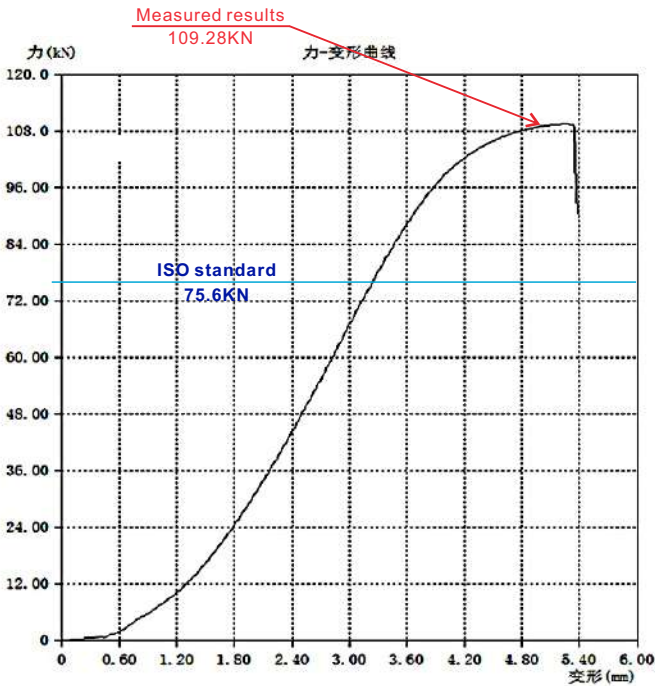
High-quality Heat Treatment and Surface Treatment



All chains are produced on an automated assembly and online inspection line with pre-stretching, boosting fatigue strength while ensuring perfect straightness for flawless assembly.

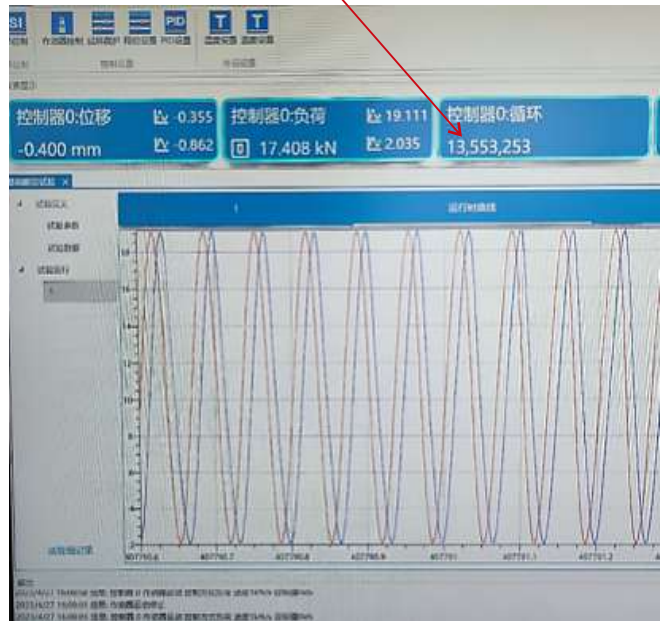


Boasting 2.5 times the corrosion resistance of standard chains, advanced surface treatments like phosphating, Dacromet, or other specialized processes ensure up to 600+ hours of protection.



Delivering strength at more than 130% of the ISO standard in average tensile load.

Engineered for endurance — withstood 13.55 million low-frequency fatigue cycles with no fracture.

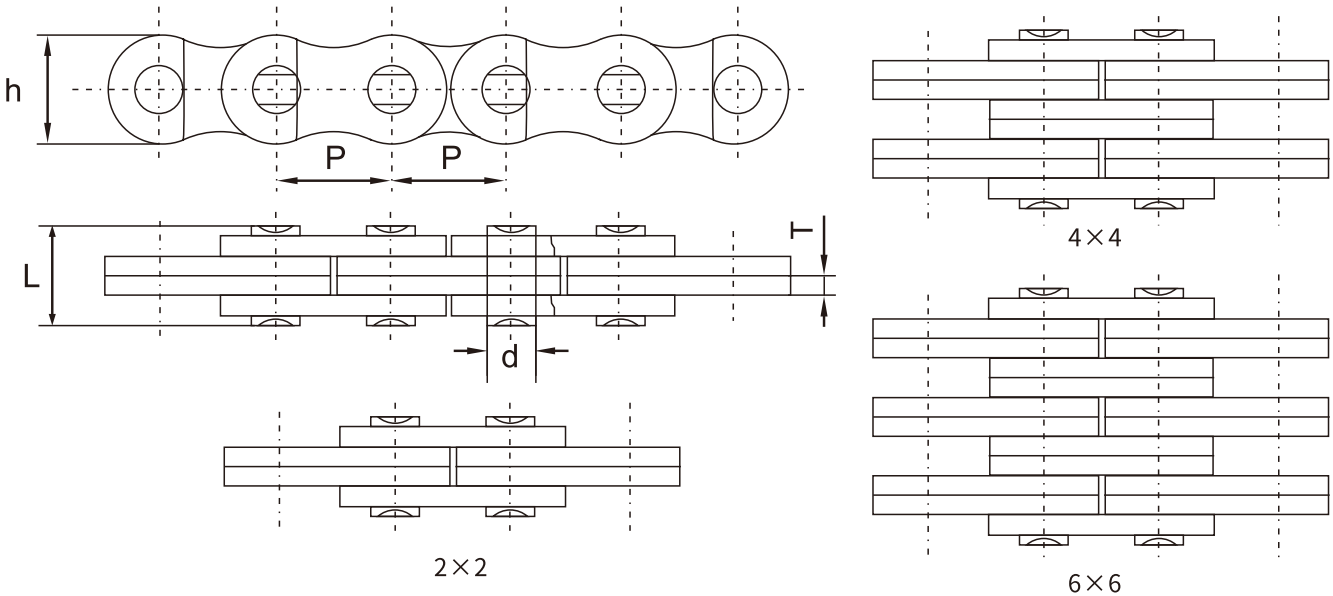


With fatigue strength exceeding the ISO standard by more than threefold, it ensures outstanding performance of over 10 million cycles. (Illustrated here is the low-frequency fatigue test.)



AL Series Leaf Chain (ANSI B 29.8M / ISO 4347)

The part of AL series leaf chain is from ANSI roller chain, the plate and pin is exactly the same as ANSI roller chain out plate and pin at the same pitch. It is a light type used for transmission structure of straight back and forth. The minimum tensile strength is not the working load of the chain. Any designer should keep 5:1 safety margin at least.

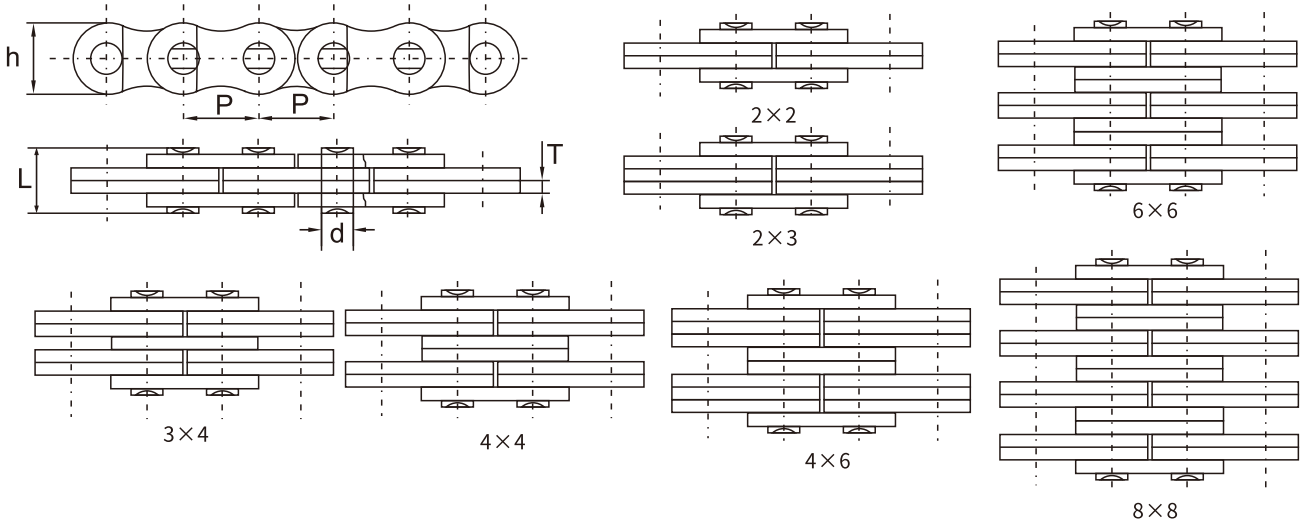


Chain No.	Pitch		Plate Lacing	Chain width	Chain thickness	Pin diameter	Pin length	U.T.S	A.T.S	Net Weight/M			
	mm	inch		h	T	d	L						
ANSI				max	max	max	max	KN	KN	KG/M			
				mm	mm	mm	mm						
AL322	9.525	3/8"	2x2	7.4	1.3	3.58	7.6	9	10.2	0.23			
AL344			4x4				13				18	20	0.46
AL422	12.7	1/2"	2x2	10.4	1.5	3.96	8.8	14.1	16.9	0.36			
AL444			4x4				15				28.2	35.2	0.69
AL466			6x6				21.2				42.3	52.7	1.03
AL522			2x2				11.2				22	27.5	0.6
AL534	15.875	5/8"	3x4	13	2.03	5.08	17	33	46	1.04			
AL544			4x4				19.4				44	55	1.16
AL566			6x6				27.6				66	82.5	1.73
AL622			2x2				13				37	44.4	0.86
AL644	19.05	3/4"	4x4	15.6	2.42	5.92	22.8	63.7	78.8	1.64			
AL666			6x6				32.6				100.1	118.6	2.43
AL688			8x8				42.5				133.4	156.6	3.23
AL822			2x2				16.6				56.71	68.6	1.54
AL844	25.4	1"	4x4	20.5	3.25	7.92	29.6	113.4	135.6	3			
AL866			6x6				42.6				170	202.3	4.46
AL1022			2x2				20.4				88.5	107.1	2.34
AL1044	31.75	1 1/4"	4x4	26	4	9.52	36.9	177	203.6	4.6			
AL1066			6x6				53.3				265	315.3	6.86
AL1088			8x8				69.5				354	421.2	9.12
AL1222			2x2				24.9				127	151.2	3.51
AL1244	38.1	1 1/2"	4x4	31.2	4.8	11.1	44.3	254	299.7	6.9			
AL1266			6x6				63.7				381	426.3	10.3
AL1288			8x8				83.2				508	568.4	13.7
AL1444			4x4				51				372.7	413.6	9.47
AL1466	44.45	1 3/4"	6x6	36.2	5.6	12.7	73.8	559	620.4	14.14			
AL1644			4x4				59.1				471	522.8	12.42
AL1666			6x6				85.5				706	783.6	18.54
AL1688	8x8	112	942	1045.5	24.67								



BL Series Leaf Chain (DIN 8152 / ISO 4347)

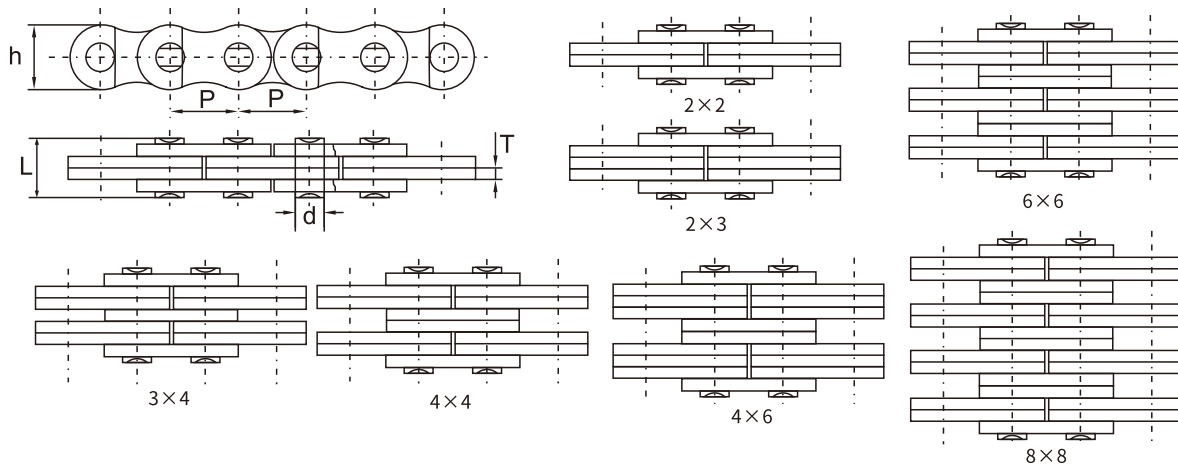
The parts of BL leaf chain is from ANSI roller chain, the plate shape is the same as ANSI roller chain inner plate but higher thickness, and pin diameter is increased. Thus it is a heavy type used for transmission structure of straight back and forth. The minimum tensile strength is not the working load of the chain. Any designer should keep 5:1 safety margin at least.



Chain No.		Pitch		Plate Lacing	Chain width	Chain thickness	Pin diameter	Pin length	U.T.S	A.T.S	Net Weight/M							
ISO	ANSI	mm	inch		h	T	d	L			q							
					max	max	max	max			KN	KN	KG/M					
LH0822	BL422	12.7	1/2"	2x2	12	2	5.06	11	22.2	27.6	0.63							
LH0823	BL423			2x3				13.1				0.77						
LH0834	BL434			3x4				17.1					1.08					
LH0844	BL444			4x4				19.2						1.23				
LH0846	BL446			4x6				23.5							1.53			
LH0866	BL466			6x6				27.7								1.81		
LH0888	BL488			8x8				36.2									89	109.4
LH1022	BL522			15.875				5/8"								2x2	15	2.42
LH1023	BL523	2x3	15.5		1.11													
LH1034	BL534	3x4	20.3			1.53												
LH1044	BL544	4x4	22.7				1.75											
LH1046	BL546	4x6	28						2.19									
LH1066	BL566	6x6	32.7							2.61								
LH1088	BL588	8x8	42.4								133.4	169.5	3.46					
LH1222	BL622	19.05	3/4"							2x2	18	3.23	7.92	17	48.9	63.6		
LH1223	BL623			2x3	20	1.8												
LH1234	BL634			3x4	26.4		2.49											
LH1244	BL644			4x4	30.1			2.84										
LH1246	BL646			4x6	36.5				3.53									
LH1266	BL666			6x6	43.2					4.23								
LH1288	BL688			8x8	56.4									195.7			238.8	5.61
LH1622	BL822			25.4	1"					2x2				24			4	9.52
LH1623	BL823	2x3	24.5			2.99												
LH1634	BL834	3x4	32.7				4.15											
LH1644	BL844	4x4	36.8					4.73										
LH1646	BL846	4x6	44.9						5.89									
LH1666	BL866	6x6	53.3							7.06								
LH1688	BL888	8x8	70								338.1	432.7	9.37					



BL Series Leaf Chain (DIN 8152 / ISO 4347)



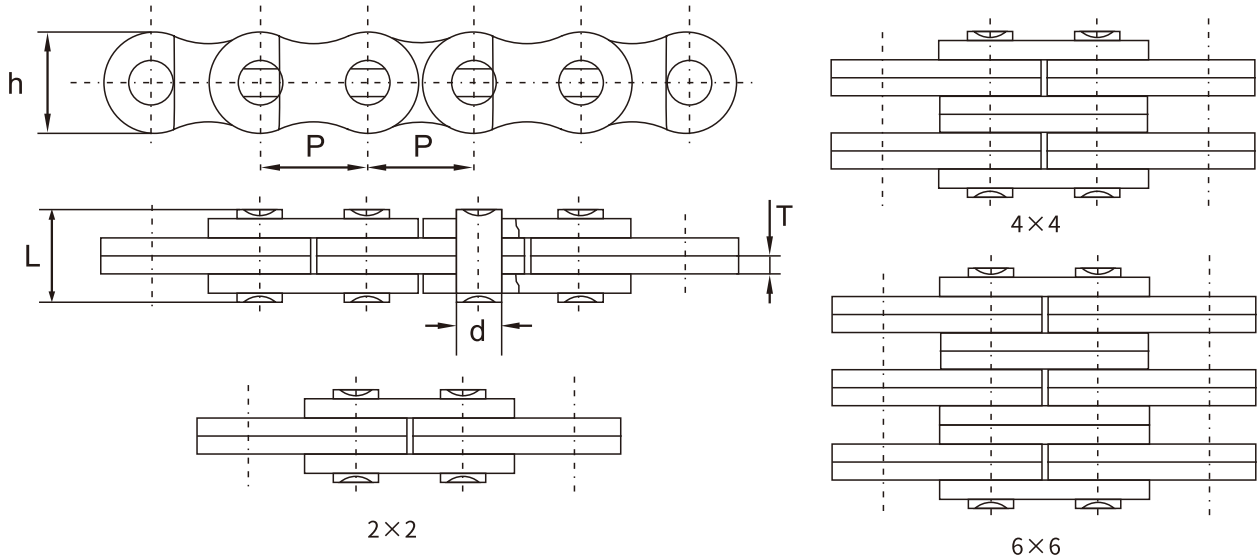
Chain No.		Pitch		Plate Lacing	Chain width	Chain thickness	Pin diameter	Pin length	U.T.S	A.T.S	Net Weight/M					
ISO	ANSI	mm	inch		h	T	d	L			q					
					max	max	max	max	KN	KN	KG/M					
					mm	mm	mm	mm								
LH2022	BL1022	31.75	1"1/4	2x2	30	4.8	11.1	24.8	115.6	150.8	3.6					
LH2023	BL1023			2x3				29.7				4.46				
LH2034	BL1034			3x4				39.3								
LH2044	BL1044			4x4				44.3					231.6			
LH2046	BL1046			4x6				54.2						291.4		
LH2066	BL1066			6x6				64							430.3	
LH2088	BL1088			8x8				83.7								10.55
LH2422	BL1222	38.1	1"1/2	2x2	36.2	5.6	12.7	28.2	151.2	192	5.2					
LH2423	BL1223			2x3				34				6.52				
LH2434	BL1234			3x4				45.5					315.9			
LH2444	BL1244			4x4				51.2						381.1		
LH2446	BL1246			4x6				62.7							381.1	
LH2466	BL1266			6x6				74.3								543.6
LH2488	BL1288			8x8				97.8								
LH2822	BL1422	44.45	1"3/4	2x2	42	6.5	14.27	32.8	191.3	225.7	7.05					
LH2823	BL1423			2x3				39.5				8.76				
LH2834	BL1434			3x4				53					372.6			
LH2844	BL1444			4x4				59						451.2		
LH2846	BL1446			4x6				73							451.2	
LH2866	BL1466			6x6				86								682.4
LH2888	BL1488			8x8				112								
LH3222	BL1622	50.8	2"	2x2	48.26	7.4	17.46	36.4	289.1	341.1	9.09					
LH3223	BL1623			2x3				43.9				11.3				
LH3234	BL1634			3x4				58.9					519.6			
LH3244	BL1644			4x4				66.3						680.4		
LH3246	BL1646			4x6				81.3							680.4	
LH3266	BL1666			6x6				96.4								1000.7
LH3288	BL1688			8x8				126.6								
LH4022	BL2022	63.5	2"1/2	2x2	60.3	9.5	23.8	47.9	433.7	511.7	14.68					
LH4023	BL2023			2x3				57.6				18.18				
LH4034	BL2034			3x4				77.4					28.78			
LH4044	BL2044			4x4				87						1023.5		
LH4046	BL2046			4x6				106.9							1023.5	
LH4066	BL2066			6x6				127								1535.2
LH4088	BL2088			8x8				166.9								
								1734.8		2046.5	57.15					



LL Series Leaf Chain (DIN 8152 / ISO 4347)

The parts of LL leaf chain is from BS roller chain, the plate and pin is exactly the same as BS roller chain out plate and pin at the same pitch. It is a light type used for transmission structure of straight back and forth.

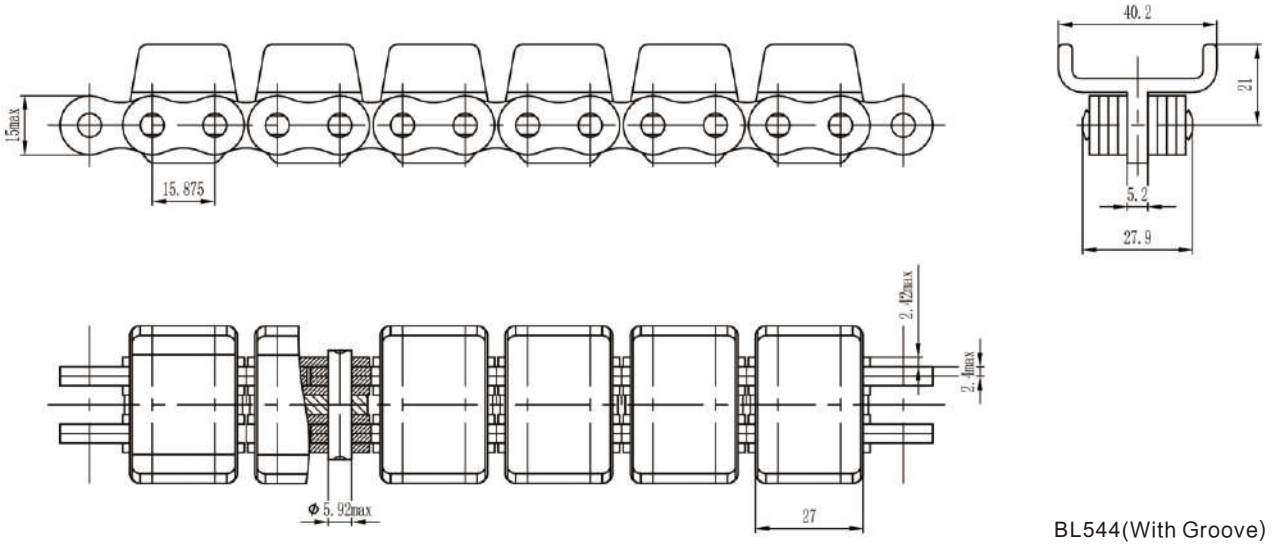
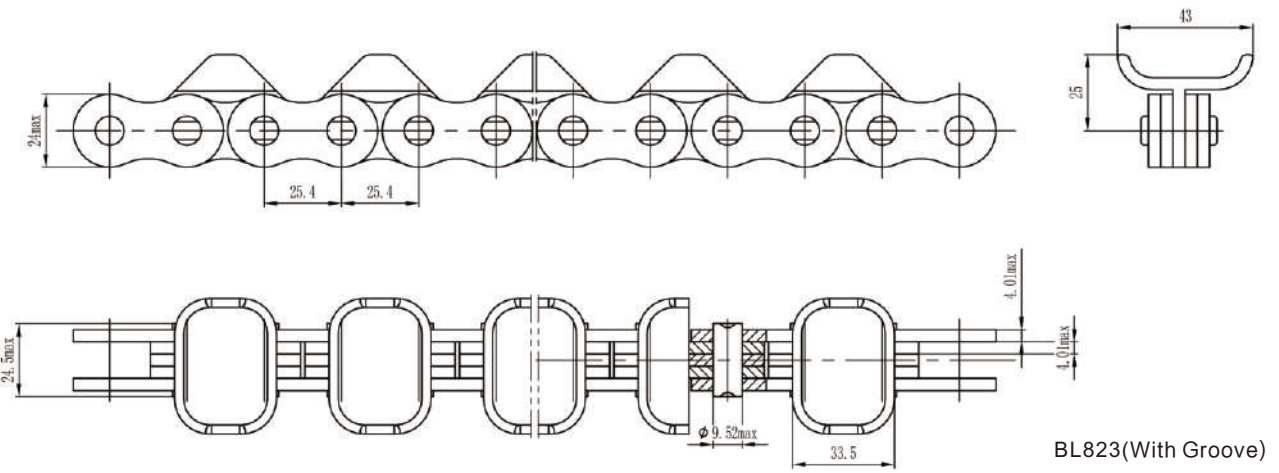
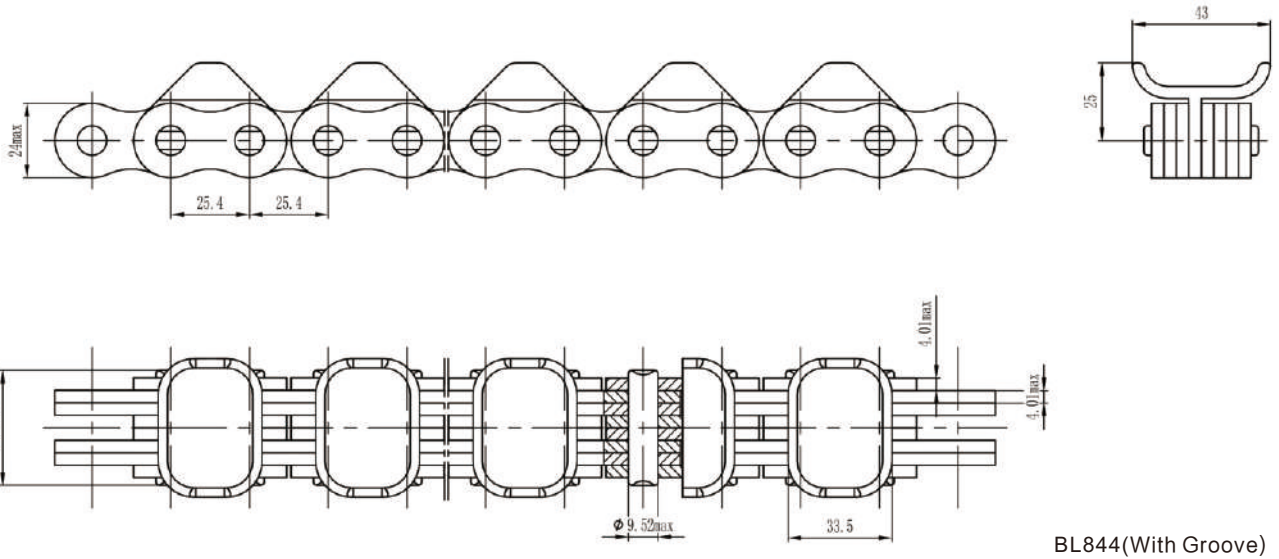
The minimum tensile strength is not the working load of the chain. Any designer should keep 5:1 safety margin at least.



Chain No.	Pitch		Plate Lacing	Chain width	Chain thickness	Pin diameter	Pin length	U.T.S	A.T.S	Net Weight/M
	mm	inch		h	T	d	L			
ISO	mm	inch		max	max	max	max	KN	KN	KG/M
				mm	mm	mm	mm			
LL0822	12.7	1/2"	2x2	10.9	1.58	4.45	9	18.2	20.4	0.41
LL0844			4x4				15.6	36.4	40.7	0.84
LL0866			6x6				22	54.6	60	1.24
LL1022	15.875	5/8"	2x2	13.7	1.65	5.06	9.3	22.7	25.5	0.54
LL1044			4x4				16.1	45.4	51	1.07
LL1066			6x6				22.9	68.1	76.3	1.59
LL1222	19.05	3/4"	2x2	16.1	1.85	5.72	10.6	29.5	33.2	0.68
LL1244			4x4				18.3	59	66.4	1.3
LL1266			6x6				25.7	88.5	99.7	1.93
LL1622	25.4	1"	2x2	21	3.2	8.28	16	58	66.7	1.83
LL1644			4x4				29.2	116	140	3.61
LL1666			6x6				42.5	174	208.8	5.38
LL2022	31.75	1 1/4"	2x2	26.4	3.5	10.19	18.4	95	109.2	2.35
LL2044			4x4				33.6	190	218.5	4.65
LL2066			6x6				46.6	285	324.6	6.9
LL2422	38.1	1 1/2"	2x2	33.4	5	14.63	25.4	170	195.5	3.98
LL2444			4x4				45.8	340	380.8	7.8
LL2466			6x6				66.2	510	571.2	11.62
LL2488			8x8				86.4	680	775.2	16.3
LL2822	44.45	1 3/4"	2x2	37	6.3	15.9	31.4	200	224	5.45
LL2844			4x4				57	400	448	10.7
LL2866			6x6				82.6	600	672	15.93
LL2888			8x8				108	800	896	21.17
LL3222	50.8	2"	2x2	42.2	6.3	17.81	31.3	260	291.2	6.2
LL3244			4x4				56.9	520	582.4	12.3
LL3266			6x6				82.5	780	873.6	18.3
LL3288			8x8				108.5	1040	1176	24.2
LL4022	63.5	2 1/2"	2x2	52.9	8	22.89	42.2	360	403.2	10.37
LL4044			4x4				74.6	780	873.6	20.23
LL4066			6x6				107	1080	1209.6	30.1
LL4088			8x8				139	1440	1747.2	40
LL4822	76.2	3"	2x2	63.88	10	29.24	50.2	560	627.2	15.06
LL4844			4x4				89.6	1120	1554.4	29.35
LL4866			6x6				130	1680	1880	43.7
LL4888			8x8				170	2240	2508.8	58.02

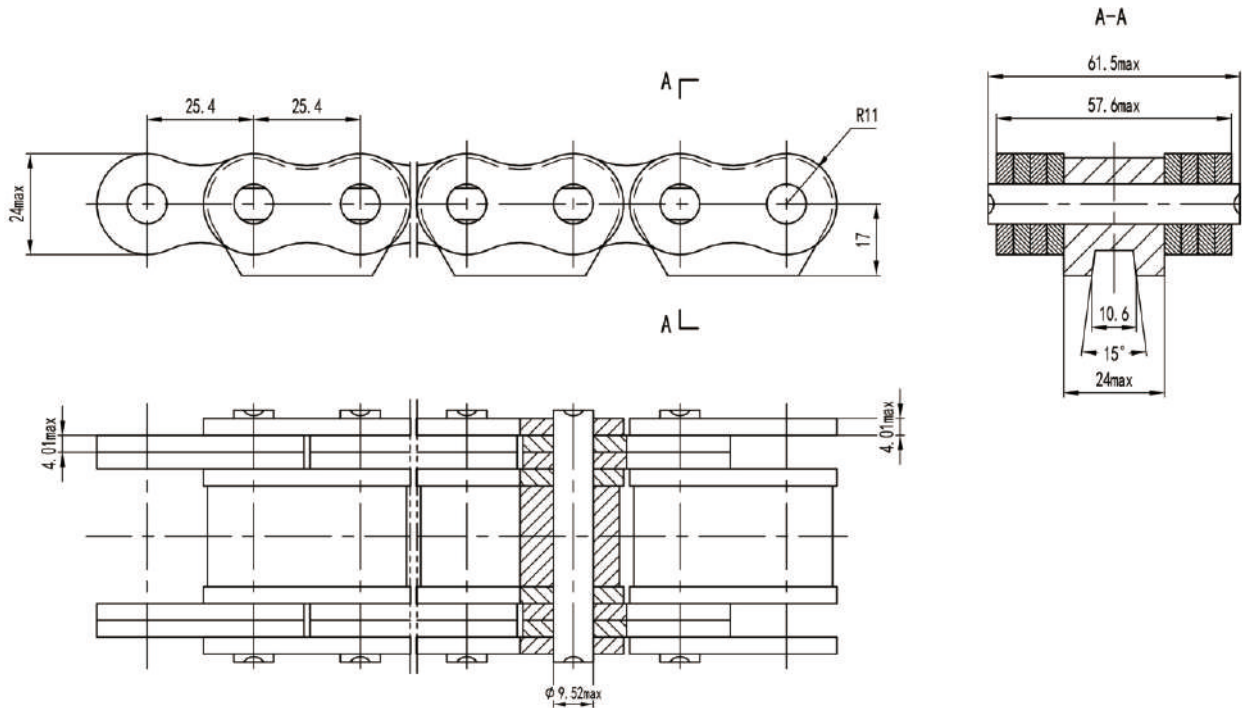


Leaf Chain with Groove

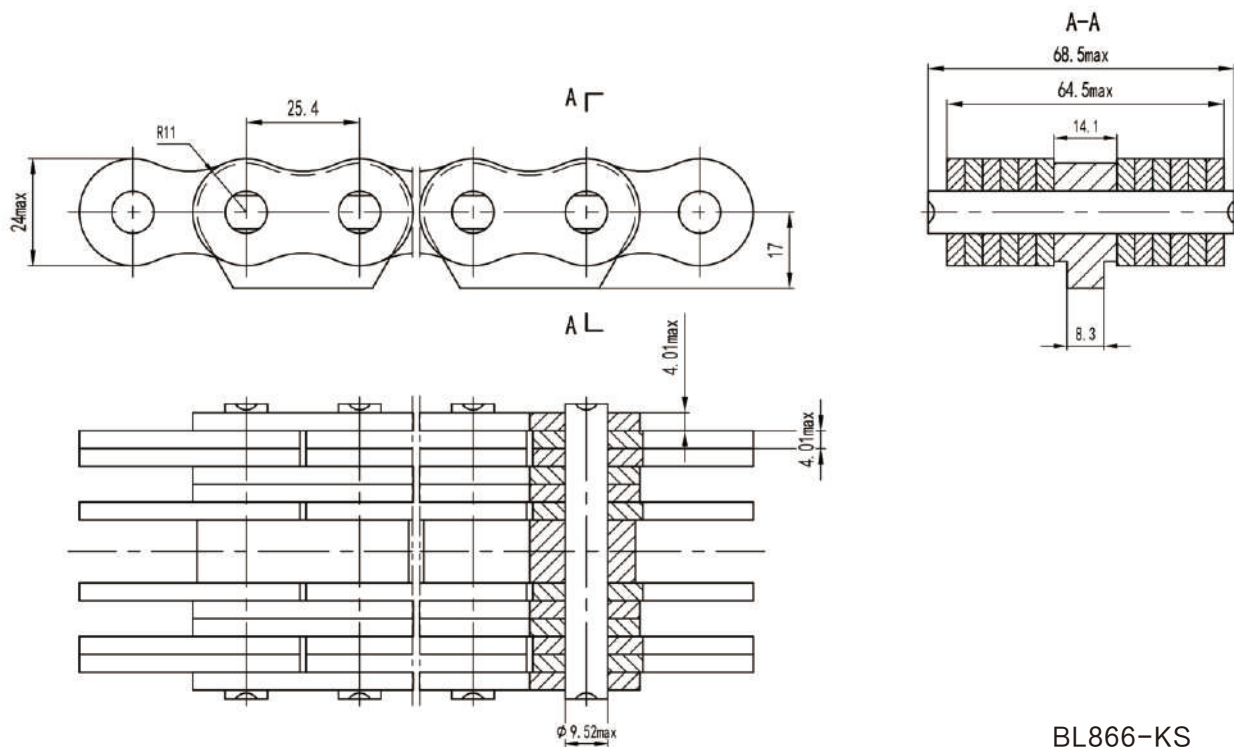




Leaf Chain with Groove



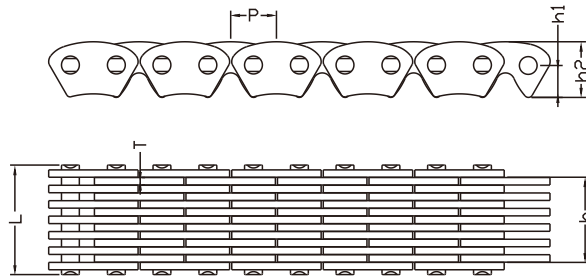
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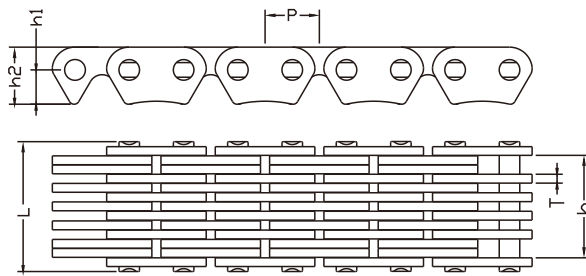
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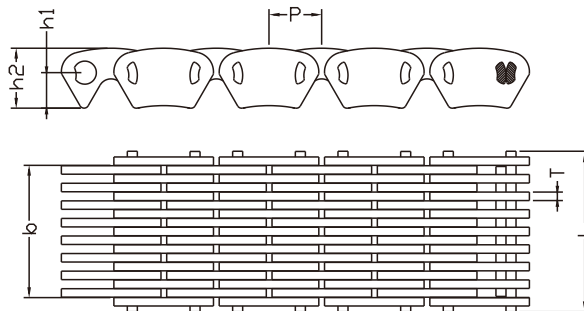
Hydraulic Oil Pump Silent Chain



Chain No.	Pitch	Chain width	Pin diameter	Pin length	Distance from hole center to tooth	Chain thickness	Plate thickness	Plate numbers	Links	Q _o
	P	b min	d2 max	L max	h1	h2	T	N		KN
	mm	mm	mm	mm	mm	mm	mm			
SC-389	9.525	17.6	3.7	22.6	6.6	11.5	1.535	13	72	28.2
		23.9		28.9	6.6	11.5	1.535	17	60	37.6
		23.9		28.9	6.6	11.5	1.535	17	68	37.6
		23.9		28.9	6.6	11.5	1.535	17	70	37.6
		23.9		28.9	6.6	11.5	1.535	17	72	37.6
		43.1		48.1	6.6	11.5	1.535	29	40	65.8
		43.1		48.1	6.6	11.5	1.535	29	80	65.8



Chain No.	Pitch	Chain width	Pin diameter	Pin length	Distance from hole center to tooth	Chain thickness	Plate thickness	Plate numbers	Links	Q _o
	P	b min	d2 max	L max	h1	h2	T	N		KN
	mm	mm	mm	mm	mm	mm	mm			
HD-367	9.525	17.6	3.6	22.6	6	10	1.535	13	60	25.7
		17.6		22.6	6	10	1.535	13	70	25.7
		17.6		22.6	6	10	1.535	13	72	25.7



Chain No.	Pitch	Chain width	Pin diameter	Pin length	Distance from hole center to tooth	Chain thickness	Plate thickness	Plate numbers	Links	Q _o
	P	b min	d2 max	L max	h1	h2	T	N		KN
	mm	mm	mm	mm	mm	mm	mm			
SCC-389	9.525	23.9	Double Flat Pin	28.9	6.4	10.8	1.535	17	60	32.1
		23.9		28.9	6.4	10.8	1.535	17	70	32.1
		23.9		28.9	6.4	10.8	1.535	17	72	32.1
		23.9		28.9	6.4	10.8	1.535	17	76	32.1
		23.9		28.9	6.4	10.8	1.535	17	90	32.1
		23.9		28.9	6.4	10.8	1.535	17	102	32.1
		30.3		35.3	6.4	10.8	1.535	21	70	40.1