

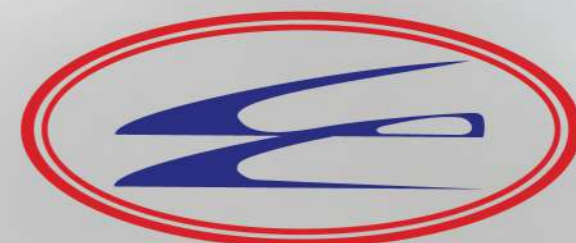
MAXTOP CHAIN



**MAXTOP**

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**MAXTOP**

**Unstoppable  
Starts Here!**

# COMPANY PROFILE

## MING CHANG A World-Class Chain Manufacturer

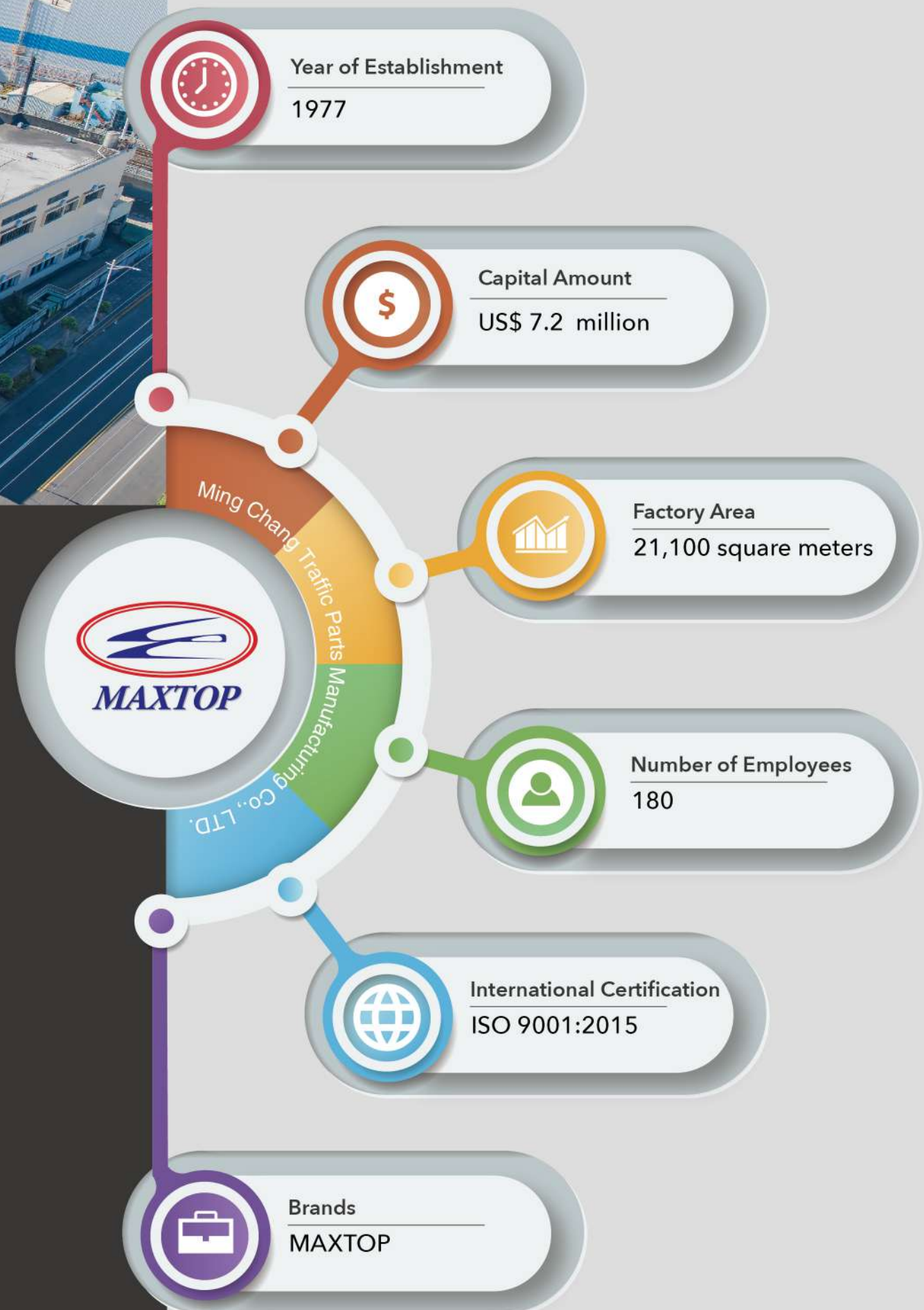
Established in 1977, Ming Chang Traffic Parts Manufacturing Co., Ltd. is dedicated to chain research & development and manufacturing. Ming Chang offers the most comprehensive range of chains, such as transmission chains, roller chains, forklift chains, stainless steel chains, special chains and custom-made chains, which are applied in various industrial sectors.

Ming Chang is a modern chain manufacturer with two factories, occupying areas of 16,500 and 4,600 square meters. At present, the company employs 180 people. The well-planned production lines are fully equipped with abundant automated production equipment. Ming Chang employs an integrated production system to achieve the company's strategy of high efficiency, high productivity, and high quality.

Ming Chang will continue to pursue company growth at a steady pace. In the meantime, we will constantly strengthen our corporate structure and produce high quality, more competitive products. We will also strive to make "Maxtop" an international brand.

### Major Products

Leaf chains for forklifts, industrial roller chains, conveyor chains, timing chains, silent chains, custom-made chains, and chains for wood industry.





## OUTSTANDING RESEARCH CAPABILITIES

Ming Chang's technical research department is comprised of an outstanding R & D team. Based on their extensive experience in chain development and design, the R & D staff is dedicated to the development of new products that respond to the transmission requirements of various industries. In addition to the design and development of standard and special chains, our R & D team also possesses superior custom-design capabilities. They can design chains according to customers' required features and specific applications.

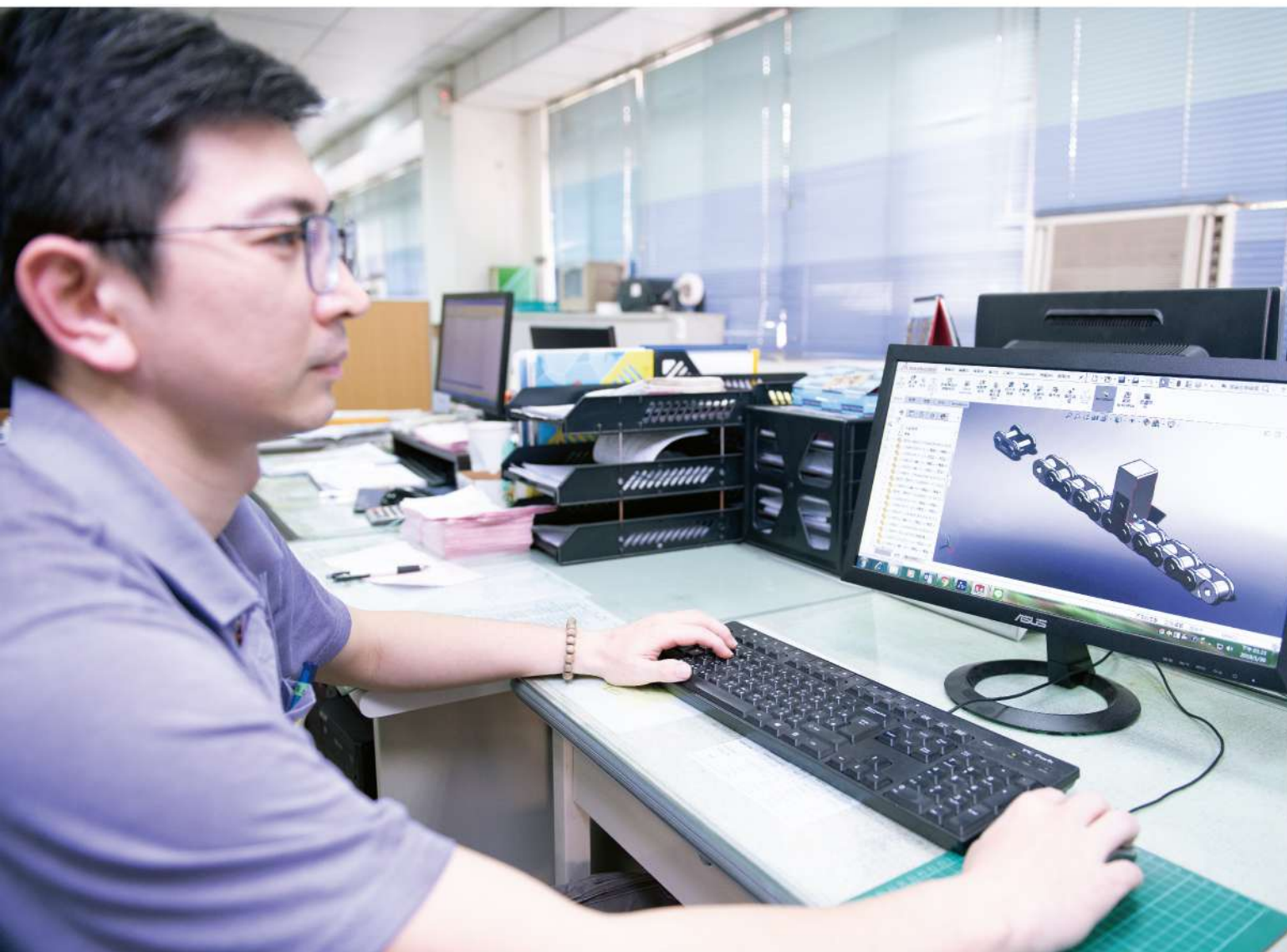


## 95% SELF-PRODUCTION RATE

### Integrated Production System

### High Efficiency! High Productivity!

At present, Ming Chang has two modern factories located in the Ping-Tung Industrial District, with factory areas of 16,500 and 4,600 square meters. All of our production lines in the factory are well-organized, smooth in production and highly efficient.

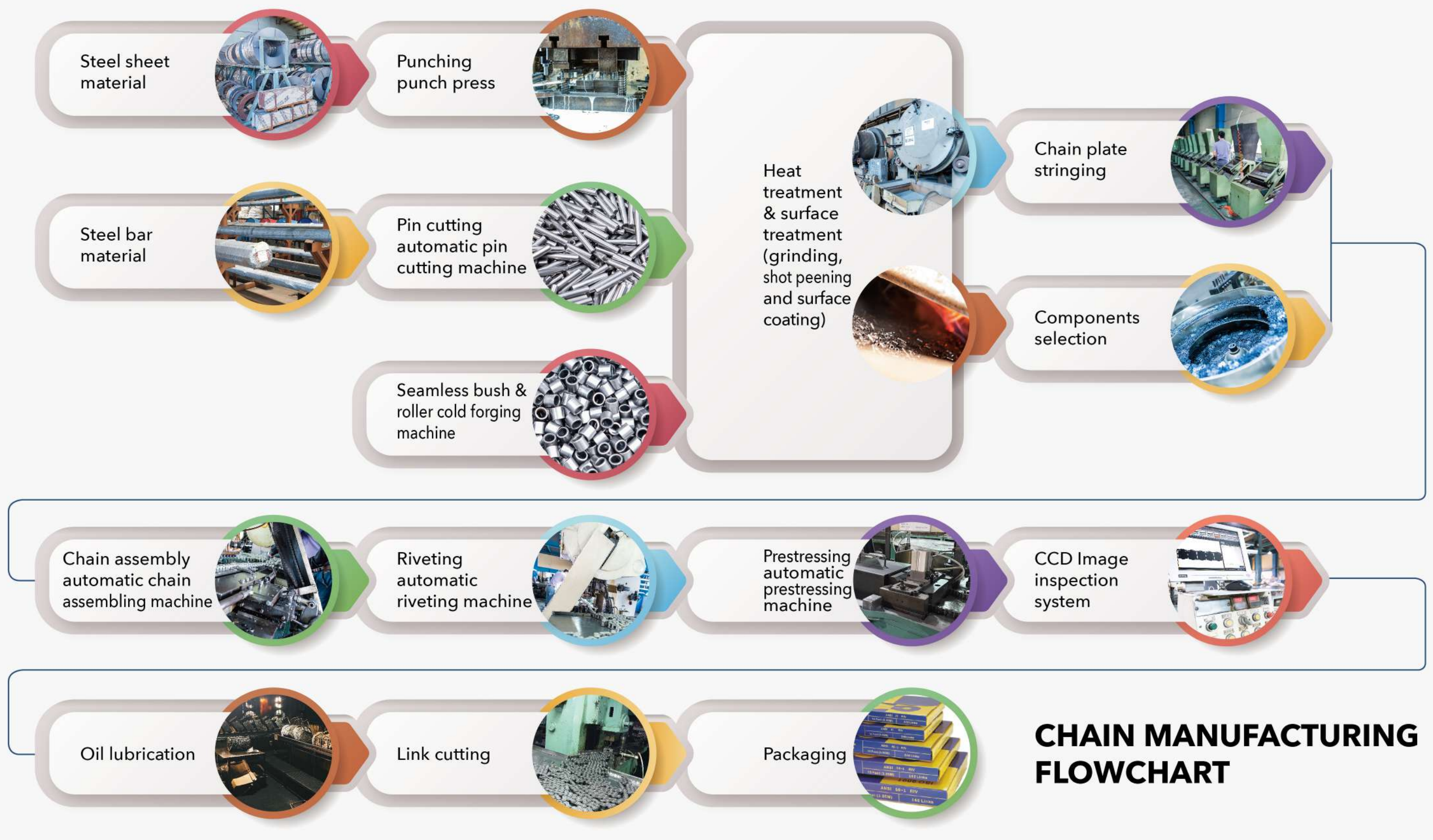


Chain production lines are fully equipped with high efficiency automated production equipment. The chain production processes are an integrated production system. All processes, from material punching forming, pin cutting, heat treatment, chain assembly, CCD inspection, to product packaging, etc. are all implemented in-house. 95% self-production rate give us great competitive edge not only in quality and price but also domestic and oversea delivery time.



# MODERN PRODUCTION MANAGEMENT

With an aim to thoroughly execute the company's policy of high efficiency, high productivity, and to reduce the defect rate to the lowest possible, Ming Chang employs a wide array of automated production equipments. Additionally, Ming Chang also implements rigorous in-process inspection and constant improvement of production processes to ensure maximum quality consistency and high production efficiency.



## CHAIN MANUFACTURING FLOWCHART

### QUALITY PRIORITY INTERNATIONAL QUALITY LEVELS

"Quality Priority" is not just a slogan at Ming Chang, it is our strongest commitment to each customer. In order to carry out the commitment of quality, we set up the highest standard of quality control system. From incoming inspection, in-process inspection, to final product inspection, each step of the chain manufacturing process follows strict standards. Over the years, Ming Chang chains have been recognized by both European and American customers, and this is attributed to our strict adherence to the highest international standards.



UNIVERSAL TESTING MACHINE



WEARING TESTING MACHINE



SALT SPRAY TESTING MACHINE



### RIGOROUS QUALITY INSPECTION CARE TO EVERY DETAIL

Ming Chang's quality control personnel not only implement the quality inspection standards, but also established several exclusive chain test laboratories, such as metallography test lab, elongation analysis lab, and fatigue analysis lab for inspecting chain materials and testing the mechanical and physical properties of chains. A self-developed CCD image inspection system on the chain production line inspects chain quality problems such as missing parts, short pins, or riveting defects.



## SOPHISTICATED INSPECTION INSTRUMENTS ENSURE WORLD-CLASS QUALITY

Ming Chang's quality control department is fully equipped with a complete range of standard inspection devices. Additionally, we have developed in-house various inspection devices to meet our specific inspection requirements. These enable us to thoroughly control chain quality and eliminate negligence.



## EXCELLENT INSPECTION DEVICE FOR LEAF CHAIN - CHARGE COUPLED DEVICE

Safety is always a priority for leaf chains when taken into consideration the lifting operation of forklift truck. It is essential to make sure the chains have good quality and no defects. With the safety and quality in mind, MING CHANG has created an inspection device to scrutinize the chain, the Charge Coupled Device (CCD Inspection Device). The device is developed and improved for many years by our Quality Control Department. CCD is one of our important patented items for quality control.

All of our leaf chains go through CCD inspection during final assembly, following the highest international quality standards. Using optical photography technique, the built-in sensors projects the shadows of chains to the computer to detect and scrutinize missing parts, short pins, poor riveting, and other potential problems and defects. Once chains fail to pass the inspection, the defects will be recorded and marked. (CCD Inspection, Patent ZL00205701.8, Certificate #411436)



## HOW TO ORDER STANDARD ROLLER CHAIN

### YOU MAY ORDER BY 10FT OR 5M IN LENGTH, BOXED PACKAGE

Example: 40 x 10FT Boxed  
08B x 5M Boxed



### OR ORDER LONGER LENGTH, PACKED IN REELS

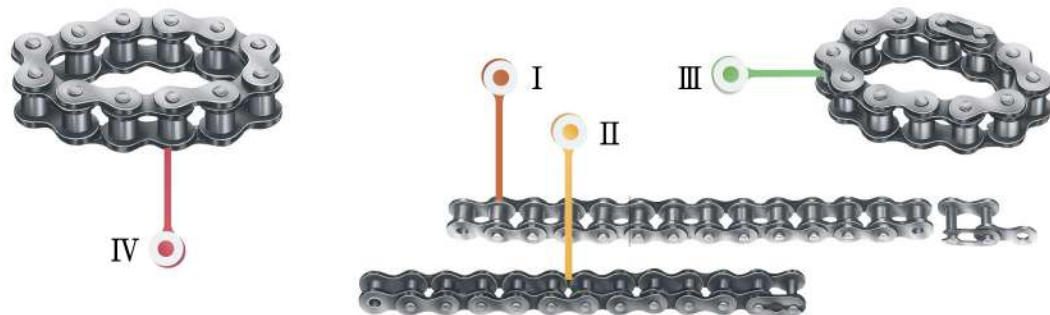
Example: 25 x 100FT Reeled



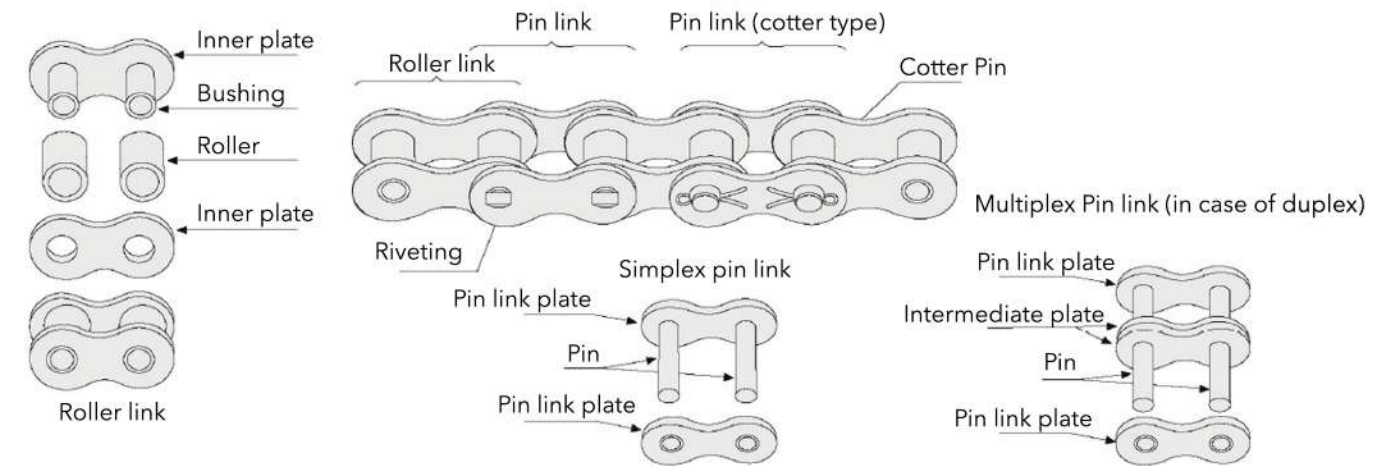
### OR ORDER CUT TO LENGTH

When exact chain length is required, we can cut to a specific length and assemble the chain to your specification

- When an even number of links (itches) in total are required, chains can be supplied as following:
- I. A connecting link supplied separately with the chain.
  - II. A connecting link is attached to one end.
  - III. A.E.: Endless with connecting links already installed.
  - IV. R.E.: A permanent connection of endless chain is required, chains are supplied as riveted endless.



- When an odd number of links (itches) in total are required, chains can be supplied as following:
- V. A connecting link plus offset links are attached to one end.
  - VI. Connecting links are attached to both ends.
  - VII. RLEE: Roller link each end, without any connecting links.



## Components



■ Rivet-Type

### Pin Link

Consists of two pins and two pin link plates. The pins are press fitted to both plates and riveted after assembly.



### Roller Link

Consists of two bushings press fitted to each of the link plates and two rollers. Just enough clearance is provided for the rollers to turn freely over the bushings. The same roller links are used for both single and multiple strand chains.



■ Cotter-Type

### Pin Link (Cotter pin type)

Consists of two pins and two pin link plates. The pins are press fitted to both plates. One end of each pin is riveted and the other end is supplied with cotters.

## Connecting Link



### Cotter Pin Type

Connecting Link (Cotter pin type)  
For chains of 3/4" pitch and larger. Similar to the pin link except that the detachable plate is slip-fitted to the pins and retained by the cotter pins.



### Spring Clip Type

Connecting Link (Spring clip type)  
For chains of 3/4" pitch and smaller. Similar to the pin link, except that the detachable plate is slip-fitted to the pins and retained by a spring clip.

## Offset Link



### Single-Pitch Offset Link

Single-Pitch Offset Link  
Consists of two offset link plates, one special pin, one bushing and one roller. The pin is slip-fitted and retained by a cotter pin.



### Two-Pitch Offset Link

Two-Pitch Offset Link (Assembly press fit type for single chain only)  
Consists of a single pitch offset link and a roller link assembled together and riveted. The pin is press fitted to the offset link plate.



## ANSI standard products:

Model Spec.	A1	K1	A2	K2	SA1	SK1	SA2	SK2	WA1	WK1	WA2	WK2	WSA1	WSK1	WSA2	WSK2
25	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	●	●	-	-	●	●	-	-	●	●	-	-	-	-	-	-
41	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
40	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
50	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
60	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
80	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
100	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
120	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25SS	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35SS	●	●	-	-	●	●	-	-	●	●	-	-	-	-	-	-
40SS	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
50SS	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
60SS	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
80SS	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●

- The form suits for simplex chain. For multiple chain, please contact MCC.
- For attachment specification, please contact MCC.
- Any special specifications not listed above, please feel free to contact MCC.

## ISO standard products:

Model Spec.	A1	K1	A2	K2	SA1	SK1	SA2	SK2	WA1	WK1	WA2	WK2	WSA1	WSK1	WSA2	WSK2
08B	-	-	-	-	●	●	-	-	-	-	-	-	●	●	●	●
D08B	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
K08B	●	●	-	-	-	-	-	-	●	●	●	●	-	-	-	-
10B	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
12B	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
D12B	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
16B	●	●	-	-	●	●	-	-	●	●	●	●	●	●	●	●
D16B	-	-	-	-	●	●	-	-	-	-	-	-	●	●	-	-
K16B	●	●	-	-	-	-	-	-	●	●	●	●	-	-	-	-
08BSS	-	-	-	-	●	●	-	-	-	-	-	-	●	●	-	-
D08BSS	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
K08BSS	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-
10BSS	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-
12BSS	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-
D12BSS	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
16BSS	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-
D16BSS	-	-	-	-	●	●	-	-	-	-	-	-	●	●	-	-
K16BSS	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-

- The form suits for simplex chain. For multiple chain, please contact MCC.
- For attachment specification, please contact MCC.
- Any special specifications not listed above, please feel free to contact MCC.

## Double pitch products:

Model Spec.	A1	K1	A2	K2	SA1	SK1	SA2	SK2	WA1	WK1	WA2	WK2	WSA1	WSK1	WSA2	WSK2
C2040	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2042	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2050	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2052	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2060H	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2062H	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2080H	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2082H	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2100H	●	●	●	●	-	-	●	●	-	-	-	-	-	-	-	-
C2102H	●	●	●	●	-	-	●	●	-	-	-	-	-	-	-	-
C2120H	●	●	-	-	-	-	●	●	-	-	-	-	-	-	-	-
C2122H	●	●	-	-	-	-	●	●	-	-	-	-	-	-	-	-
C2040SS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2042SS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2050SS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2052SS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2060HSS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2062HSS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2080HSS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
C2082HSS	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-

- The form suits for simplex chain. For multiple chain, please contact MCC.
- For attachment specification, please contact MCC.
- Any special specifications not listed above, please feel free to contact MCC.



## Standard Chains

### Standard Roller Chain

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## Surface Treatment

### Corrosion Resistant

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### Special Treatment

■ Black Oxide \ Acid Resistant \ SFL	P.95
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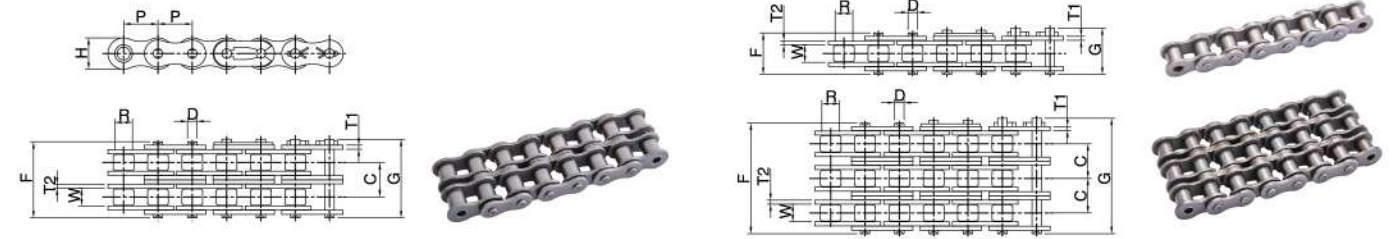
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# STANDARD CHAINS



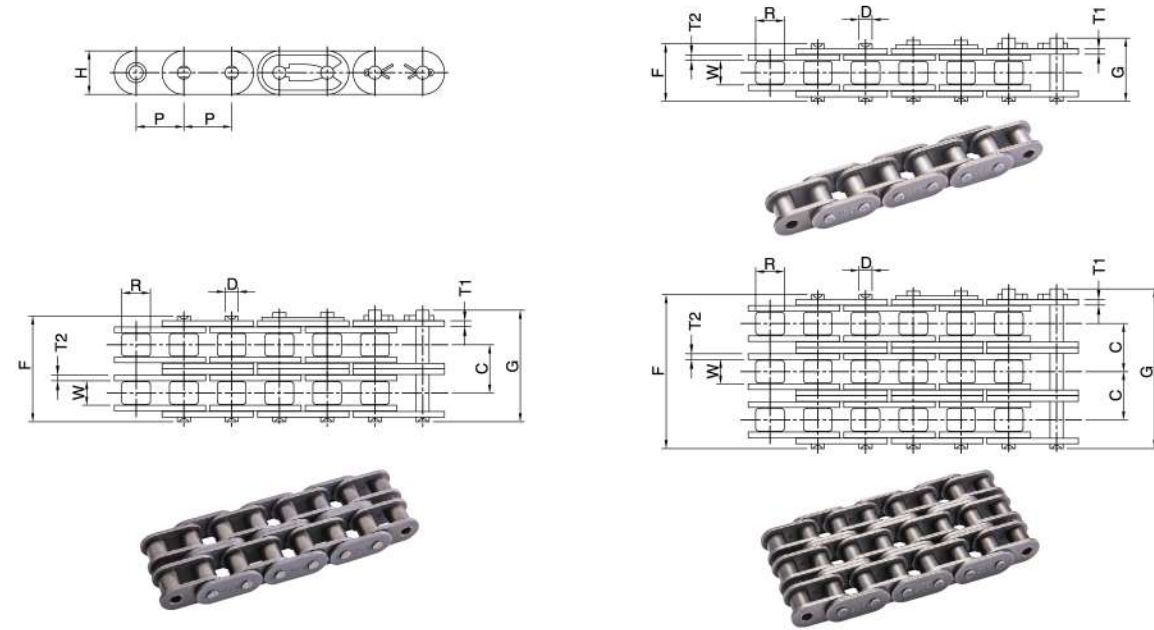
## Standard Roller Chains ● Standard Roller Chain



CHAIN NO.	Pitch		Width W (min)	Roller Dia R(max)	Roller Height H(max)	Plate		Pin			Transverse Pitch C	Ultimate Strength kgf(min)	Approx Weight kg/m
	P	P				Thickness		Length					
	inch	mm	T1	T2	D(max)	F(max)	G(max)						
25	1/4"	6.35	3.10	3.30	6.02	0.75	0.75	2.31	9.1	11.6	---	357	0.14
25-2	1/4"	6.35	3.10	3.30	6.02	0.75	0.75	2.31	15.5	18.0	6.40	714	0.26
35	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	13.2	16.5	---	806	0.33
35-2	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	23.4	26.7	10.10	1612	0.69
35-3	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	33.5	36.8	10.10	2418	1.05
41	1/2"	12.70	6.25	7.77	9.91	1.25	1.25	3.60	14.0	16.0	---	684	0.41
40	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	---	1418	0.63
40-2	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	32.3	36.2	14.40	2837	1.19
40-3	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	46.7	50.6	14.40	4255	1.77
50	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	---	2224	1.01
50-2	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	39.9	44.0	18.10	4449	2.04
50-3	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	57.9	62.0	18.10	6673	3.05
60	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	---	3194	1.44
60-2	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	49.8	54.4	22.80	6388	3.03
60-3	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	72.6	77.2	22.80	9582	4.50
80	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	---	5673	2.40
80-2	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	62.7	68.1	29.30	11347	5.26
80-3	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	91.9	97.3	29.30	17020	7.80
100	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	---	8878	3.74
100-2	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	77.0	83.1	35.80	17755	7.51
100-3	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	113.0	119.1	35.80	26633	11.20
120	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	50.8	57.4	---	12755	6.18
120-2	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	96.3	102.9	45.40	25510	12.25
120-3	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	141.7	148.3	45.40	38265	18.30
140	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	54.9	62.3	---	17347	7.49
140-2	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	103.6	111.0	48.90	34694	14.83
140-3	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	152.4	159.8	48.90	52041	22.20
160	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	65.5	73.4	---	22755	10.10
160-2	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	124.2	132.1	58.50	45510	20.04
160-3	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	182.9	190.8	58.50	68265	30.02
180	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	73.9	83.0	---	28673	13.40
180-2	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	140.0	149.1	65.84	57347	26.20
180-3	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	206.0	215.1	65.84	86020	38.10
200	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	80.3	90.5	---	35408	16.50
200-2	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	151.9	162.1	71.60	70816	32.70
200-3	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	223.5	233.7	71.60	106224	49.05
240	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	95.5	106.0	---	51020	24.20
240-2	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	183.4	193.9	87.80	102041	47.80
240-3	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	271.3	281.8	87.80	153061	71.10

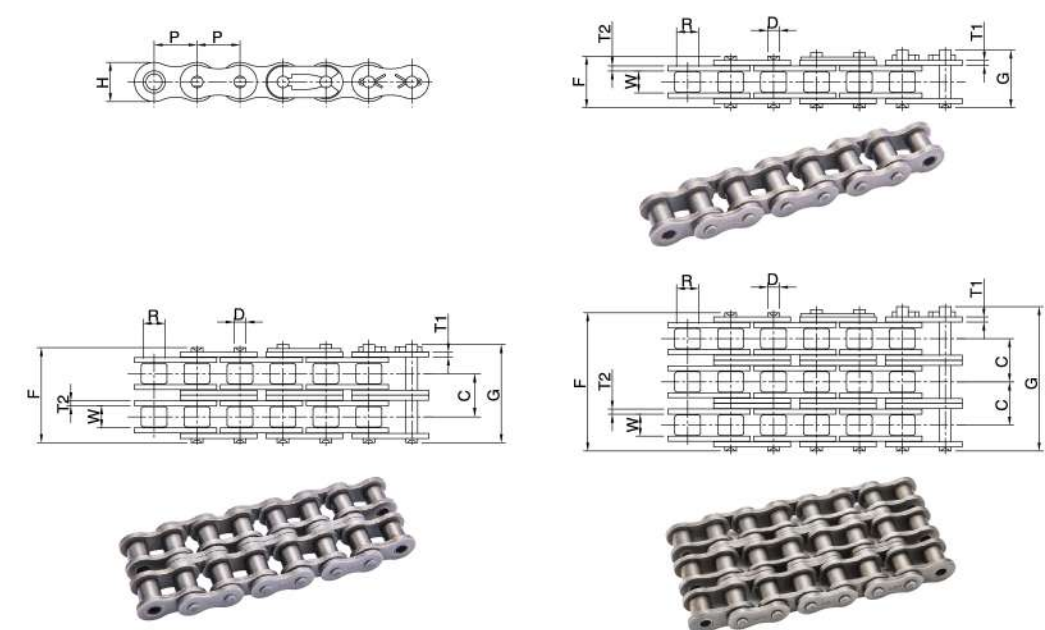
\* Comply with ANSI standard.

## Standard Roller Chains ● Straight Link Plate Chain



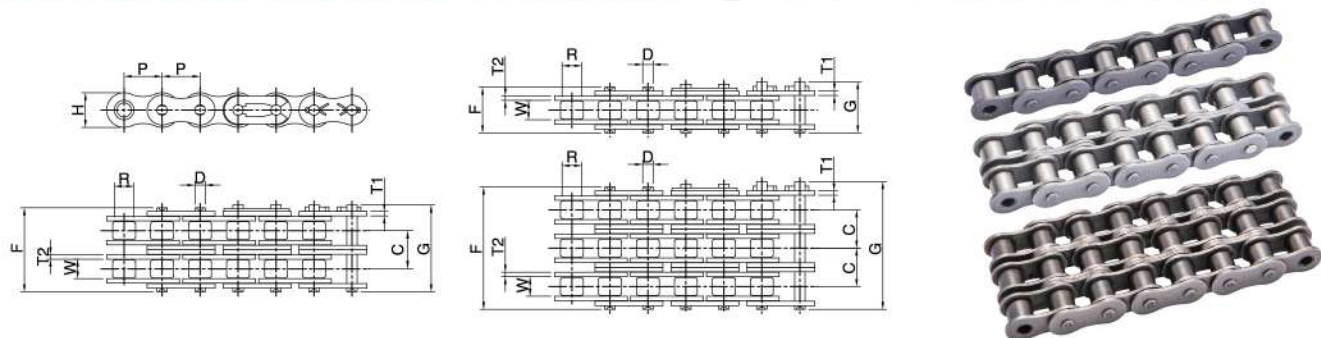
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Transverse Pitch	Ultimate Strength	Approx Weight	
	P	P	W	Dia	Height	Thickness	Dia	Length					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)				G(max)
40F	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	---	1418	0.67
40F-2	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	32.3	36.2	14.40	2837	1.34
40F-3	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	46.7	50.6	14.40	4255	2.00
50F	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	---	2224	1.21
50F-2	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	39.9	44.0	18.10	4449	2.34
50F-3	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	57.9	62.0	18.10	6673	3.51
60F	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	---	3194	1.46
60F-2	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	49.8	54.4	22.80	6388	2.52
60F-3	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	72.6	77.2	22.80	9582	3.60
80F	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	---	5673	2.93
80F-2	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	62.7	68.1	29.30	11347	5.80
80F-3	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	91.9	97.3	29.30	17020	8.71
100F	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	---	8878	4.34
100F-2	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	77.0	83.1	35.80	17755	8.43
100F-3	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	113.0	119.1	35.80	26633	12.52

## Standard Roller Chains ● Heavy Duty Chain



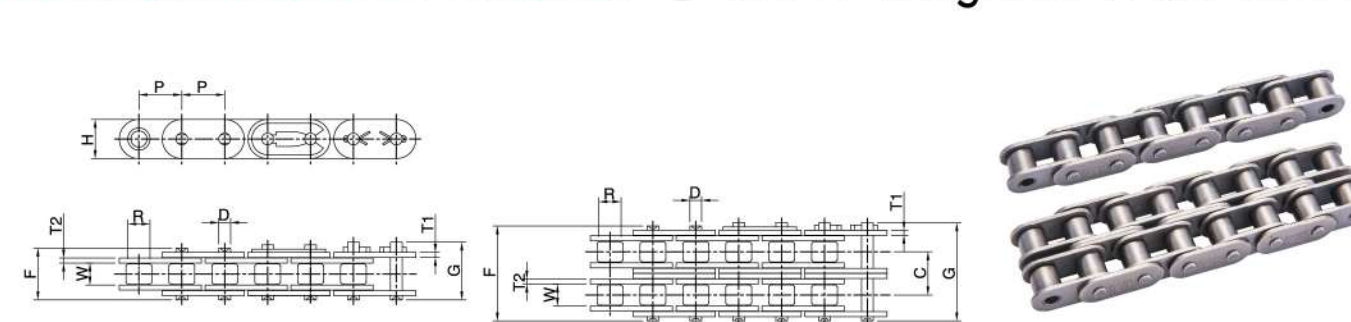
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Transverse Pitch	Ultimate Strength	Approx Weight	
	P	P	W	Dia	Height	Thickness	Dia	Length					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)				G(max)
25H	1/4"	6.35	3.10	3.30	6.02	1.00	1.00	2.31	9.1	11.6	---	490	0.16
50H	5/8"	15.875	9.40	10.16	15.09	2.40	2.40	5.09	23.1	27.5	---	2224	1.12
50H-2	5/8"	15.875	9.40	10.16	15.09	2.40	2.40	5.09	42.8	47.2	19.70	4449	2.25
60H	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	30.2	34.8	---	3194	1.81
60H-2	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	56.3	60.9	26.10	6388	3.57
60H-3	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	82.4	87.0	26.10	9582	5.16
80H	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	37.4	42.8	---	5673	2.95
80H-2	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	70.0	75.4	32.60	11347	5.85
80H-3	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	102.6	108.0	32.60	17020	8.32
100H	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	44.5	50.6	---	8878	4.45
100H-2	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	83.6	89.7	39.10	17755	8.34
100H-3	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	122.7	128.8	39.10	26633	12.03
120H	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	55.0	61.6	---	12755	6.78
120H-2	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	103.9	110.5	48.90	25510	13.45
120H-3	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	152.8	159.4	48.90	38265	20.13
140H	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	59.0	66.4	---	17347	8.12
140H-2	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	111.2	118.6	52.20	34694	16.10
140H-3	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	163.4	170.8	52.20	52041	24.02
160H	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	69.4	77.3	---	22755	10.87
160H-2	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	131.3	139.2	61.90	45510	20.85
160H-3	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	193.2	201.1	61.90	68265	30.83
180H	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	77.3	86.4	---	28673	15.20
180H-2	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	146.5	155.6	69.20	57347	30.10
180H-3	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	215.7	224.8	69.20	86020	45.00
200H	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	87.1	97.3	---	35408	17.80
200H-2	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	165.4	175.6	78.30	70816	35.20
200H-3	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	243.7	253.9	78.30	106224	52.50

## Standard Roller Chains ● ISO "B" Roller Chain



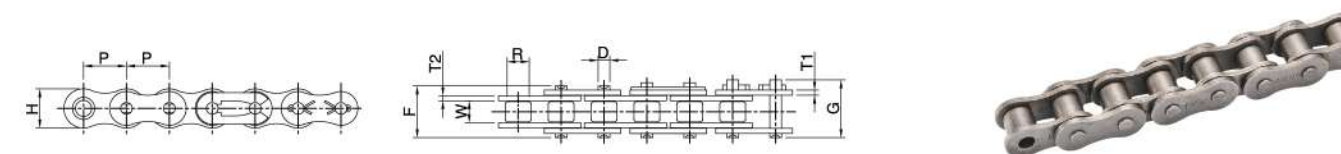
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Transverse Pitch	Ultimate Strength	Approx Weight	
	P		W	Dia	Height	Thickness	Dia	Length					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)				G(max)
05B	0.315"	8.00	3.00	5.00	7.11	0.75	0.75	2.31	8.6	11.7	---	449	0.16
05B-2	0.315"	8.00	3.00	5.00	7.11	0.75	0.75	2.31	14.3	17.4	5.64	796	0.30
06B	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	13.5	16.8	---	908	0.39
06B-2	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	23.8	27.1	10.24	1724	0.74
06B-3	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	34.0	37.3	10.24	2541	1.09
08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	17.0	20.9	---	1816	0.65
08B-2	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	31.0	34.9	13.92	3173	1.30
08B-3	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	44.9	48.8	13.92	4541	1.92
10B	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	---	2265	0.92
10B-2	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	36.2	40.3	16.59	4541	1.68
10B-3	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	52.8	56.9	16.59	6806	2.62
12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	2949	1.24
12B-2	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	5898	2.28
12B-3	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	61.7	66.3	19.46	8847	3.55
16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	---	6122	2.65
16B-2	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	68.0	73.4	31.88	10816	5.25
16B-3	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	99.9	105.3	31.88	16327	7.86
20B	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	43.2	49.3	---	9694	3.85
20B-2	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	79.7	85.8	36.45	17347	7.65
20B-3	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	116.1	122.2	36.45	25510	11.45
24B	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	53.4	60.0	---	16327	7.60
24B-2	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	101.8	108.4	48.36	28571	14.80
24B-3	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	150.2	156.8	48.36	43367	21.90
28B	1.75"	44.45	30.99	27.94	37.08	6.30	7.50	15.90	65.1	72.5	---	20408	9.05
28B-2	1.75"	44.45	30.99	27.94	37.08	6.30	7.50	15.90	124.7	132.1	59.56	36735	17.12
28B-3	1.75"	44.45	30.99	27.94	37.08	6.30	7.50	15.90	184.3	191.7	59.56	54082	25.61
32B	2"	50.80	30.99	29.21	42.29	6.30	7.10	17.81	67.4	75.3	---	25510	10.63
32B-2	2"	50.80	30.99	29.21	42.29	6.30	7.10	17.81	126.0	133.9	58.55	45918	20.85
32B-3	2"	50.80	30.99	29.21	42.29	6.30	7.10	17.81	184.5	192.4	58.55	68367	31.57
40B	2.5"	63.50	38.10	39.37	52.96	8.00	8.50	22.89	82.6	92.8	---	36224	16.25
40B-2	2.5"	63.50	38.10	39.37	52.96	8.00	8.50	22.89	154.9	165.1	72.29	64286	31.86
40B-3	2.5"	63.50	38.10	39.37	52.96	8.00	8.50	22.89	227.2	237.4	72.29	96939	48.14
48B	3"	76.20	45.72	48.26	63.88	10.0	12.1	29.24	99.1	109.6	---	57143	25.05
48B-2	3"	76.20	45.72	48.26	63.88	10.0	12.1	29.24	190.4	200.9	91.21	102041	49.83
48B-3	3"	76.20	45.72	48.26	63.88	10.0	12.1	29.24	281.6	292.1	91.21	153061	75.07
56B	3.5"	88.90	53.34	53.98	77.85	12.3	13.6	34.32	114.6	126.3	---	86735	35.80
56B-2	3.5"	88.90	53.34	53.98	77.85	12.3	13.6	34.32	221.2	232.9	106.6	163265	71.50

## Standard Roller Chains ● ISO "B" Straight Link Plate Chain



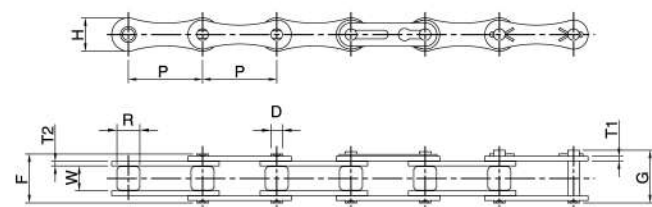
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Transverse Pitch	Ultimate Strength	Approx Weight	
	P		W	Dia	Height	Thickness	Dia	Length					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)				G(max)
06B	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	13.5	16.8	---	908	0.39
06B-2	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	23.8	27.1	10.24	1724	0.74
08BF	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	17.0	20.9	---	1816	0.75
08BF-2	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	31.0	34.9	13.92	3173	1.50
10BF	0.625"	15.875	9.65	10.16	15.10	1.65	1.65	5.08	19.6	23.7	---	2265	1.00
10BF-2	0.625"	15.875	9.65	10.16	15.10	1.65	1.65	5.08	36.2	40.3	16.59	4541	1.85
12BF	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	2949	1.29
12BF-2	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	5898	2.38
16BGL(24)	1"	25.40	17.02	15.88	24.13	3.20	4.00	8.28	36.1	41.5	---	6122	3.30
16BGL(24)-2	1"	25.40	17.02	15.88	24.13	3.20	4.00	8.28	68.0	73.4	31.88	10816	6.55
16BF	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	---	6122	2.70
16BF-2	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	68.0	73.4	31.88	10816	5.35
20BF	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	43.2	49.3	---	9694	4.25
20BF-2	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	79.7	85.8	36.45	17347	8.45
24BF	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	53.4	60.0	---	16327	8.20
24BF-2	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	101.8	108.4	48.36	28571	16.0
32BF	2"	50.80	30.99	29.21	42.20	6.00	7.00	17.81	65.2	71.0	---	25510	10.68

## Standard Roller Chains ● ISO "B" Heavy Duty Chain

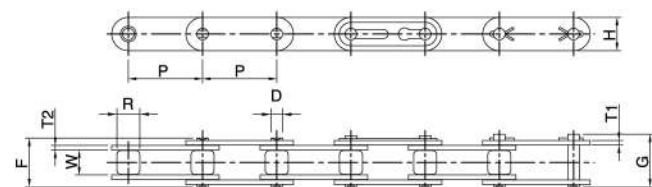


CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength	Approx Weight	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
06BH	0.375"	9.525	5.72	6.35	8.26	1.30	1.50	3.28	15.1	18.4	1250	0.45
08BH	0.5"	12.70	7.75	8.51	12.20	2.00	2.00	4.45	19.2	23.2	2300	0.85
10BH	0.625"	15.875	9.65	10.16	14.73	2.00	2.00	5.08	20.6	24.7	3100	1.01
12BH	0.75"	19.05	11.68	12.07	16.13	2.40	2.40	6.12	25.1	29.7	4500	1.42
16BH	1"	25.40	17.02	15.88	24.00	3.10	4.10	9.00	36.1	38.8	9500	3.22

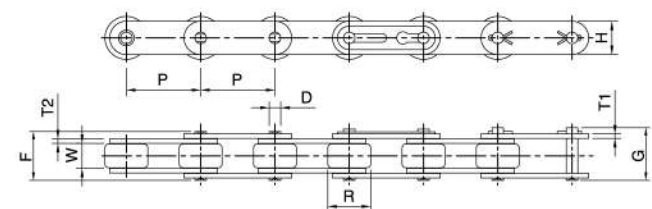
## Standard Roller Chains • Double Pitch Roller Chain



CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m
	P		W	Dia	Height	Thickness		Dia	Length			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)		
A2040	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	17.8	21.7	1418	0.40
A2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	21.8	25.9	2224	0.66



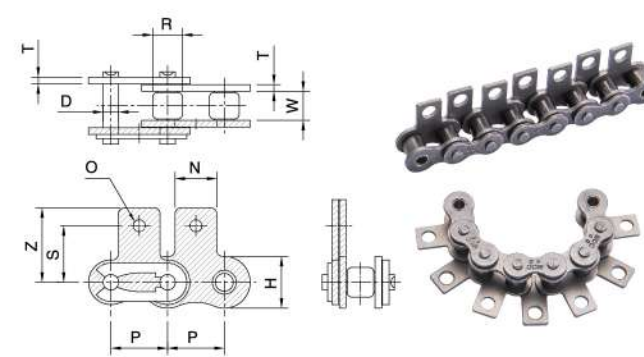
CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m
	P		W	Dia	Height	Thickness		Dia	Length			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)		
C2040	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	17.8	21.7	1418	0.49
C2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	21.8	25.9	2224	0.84
C2060H	1-1/2"	38.10	12.57	11.91	18.0	3.20	3.20	5.96	30.2	34.8	3194	1.45
C2080H	2"	50.80	15.75	15.88	24.1	4.00	4.00	7.94	37.4	42.8	5673	2.41
C2100H	2-1/2"	63.50	18.90	19.05	30.1	4.80	4.80	9.54	44.5	50.6	8878	3.50
C2120H	3"	76.20	25.22	22.23	36.2	5.60	5.60	11.11	55.0	61.6	12755	6.00
C2160H	4"	101.60	31.55	28.58	48.2	7.20	7.20	14.29	69.4	77.3	22694	8.80



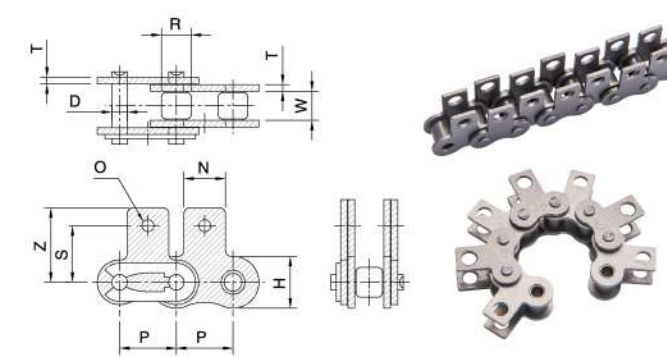
CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m
	P		W	Dia	Height	Thickness		Dia	Length			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)		
C2042	1"	25.40	7.85	15.88	12.0	1.50	1.50	3.98	17.8	21.7	1418	0.86
C2052	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.09	21.8	25.9	2224	1.32
C2062H	1-1/2"	38.10	12.57	22.23	18.0	3.20	3.20	5.96	30.2	34.8	3194	2.17
C2082H	2"	50.80	15.75	28.58	24.1	4.00	4.00	7.94	37.4	42.8	5673	3.45
C2102H	2-1/2"	63.50	18.90	39.67	30.1	4.80	4.80	9.54	44.5	50.6	8878	4.68
C2122H	3"	76.20	25.22	44.45	36.2	5.60	5.60	11.11	55.0	61.6	12755	8.00
C2162H	4"	101.60	31.55	57.15	48.2	7.20	7.20	14.29	69.4	77.3	22694	13.52

## Attachments Chains • Roller Chain Attachments

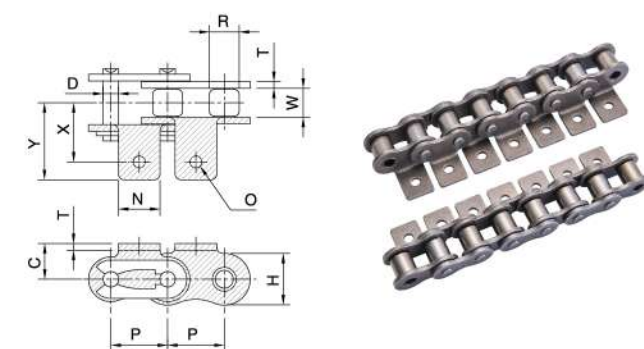
SA1



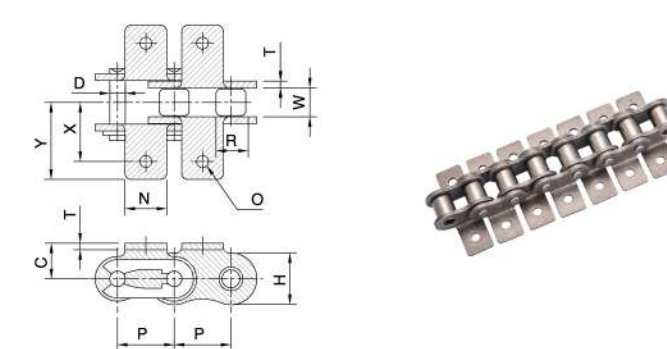
SK1



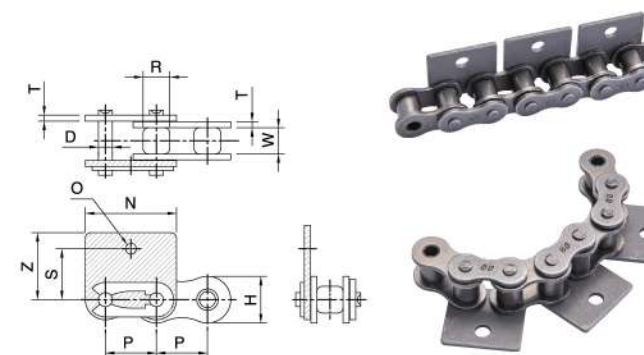
A1



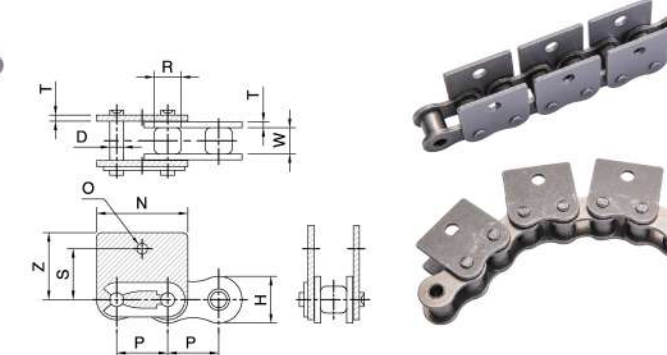
K1



WSA1

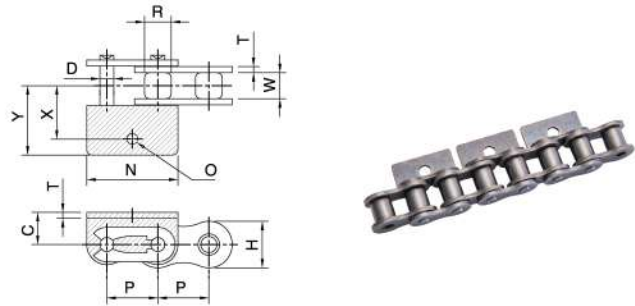


WSK1

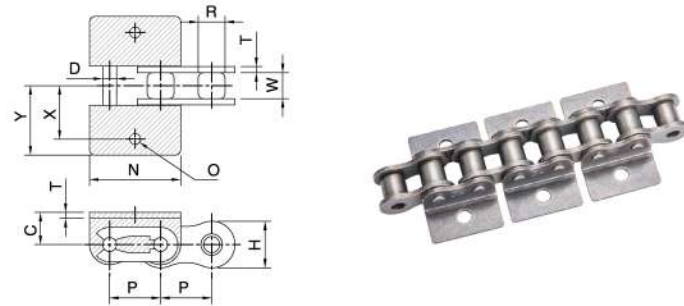


## Attachments Chains ● Roller Chain Attachments

WA1

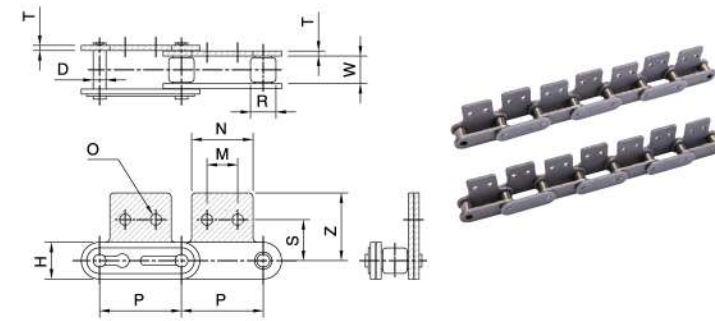


WK1

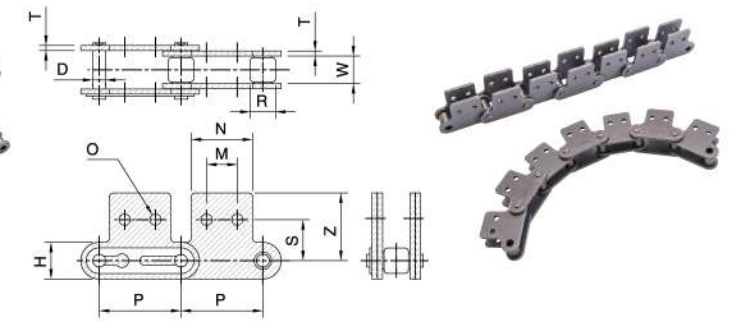


## Attachments Chains ● Roller Chain Attachments

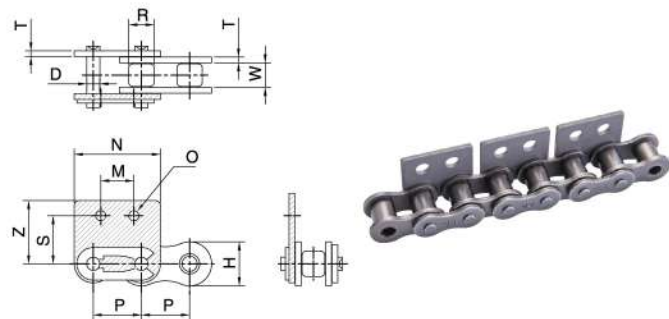
SA2



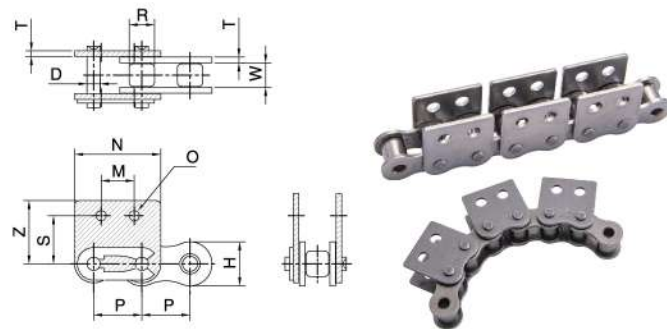
SK2



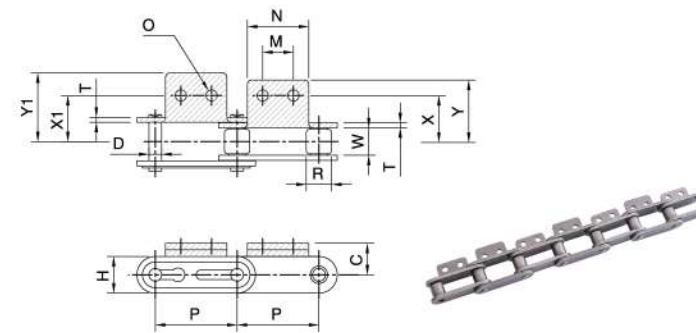
WSA2



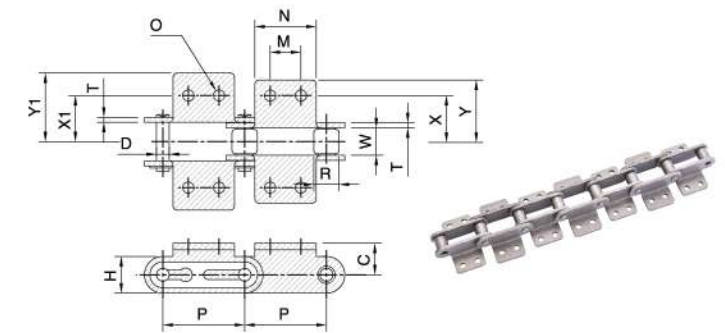
WSK2



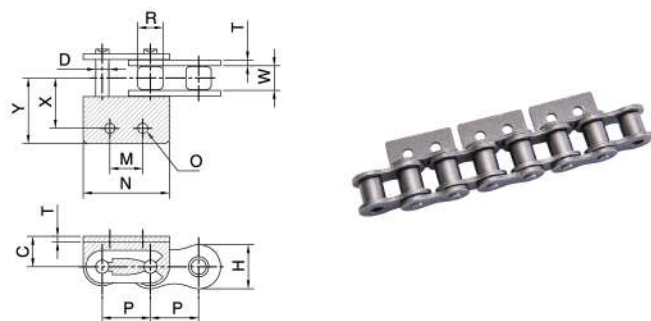
A2



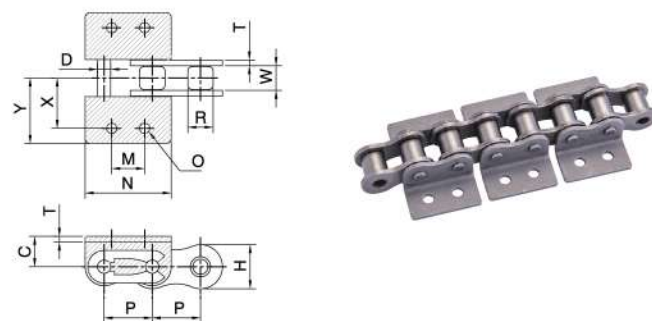
K2



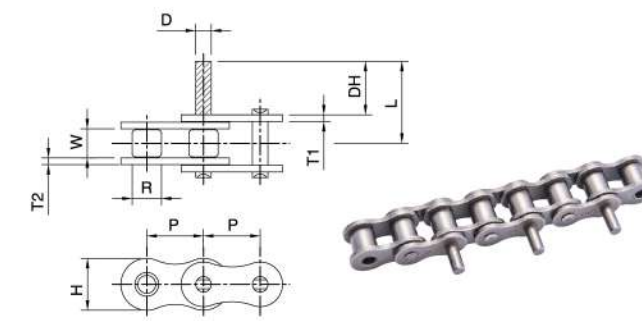
WA2



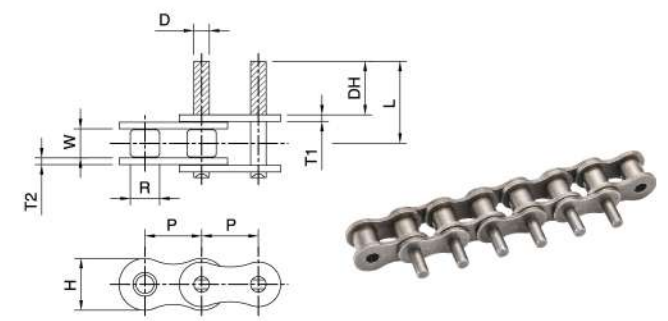
WK2



D1/AG



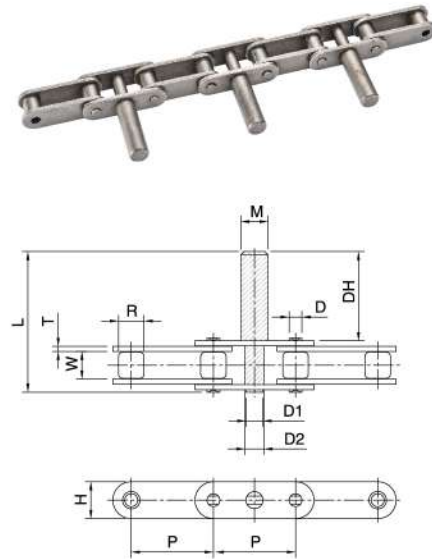
D3



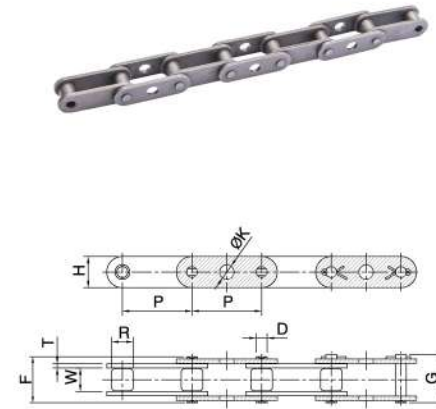


### Attachments Chains ● Roller Chain Attachments

D5

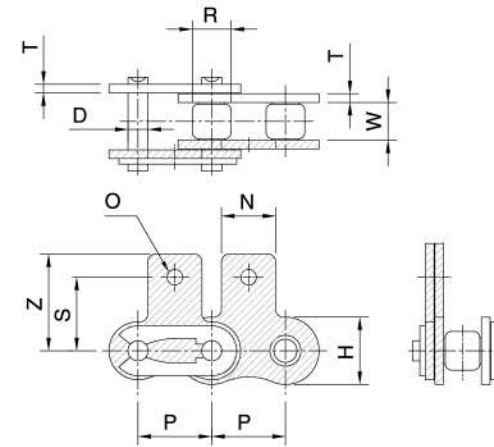


GK1

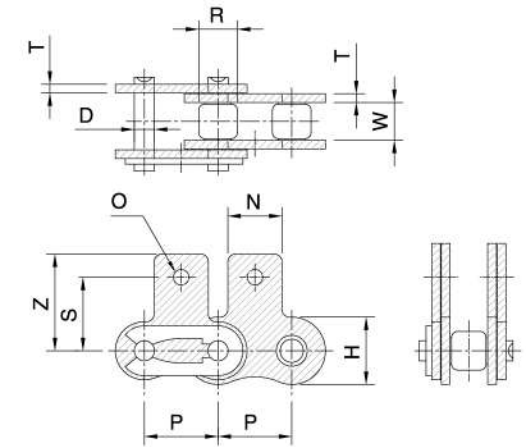


### Attachments Chains ● Roller Chain Attachments

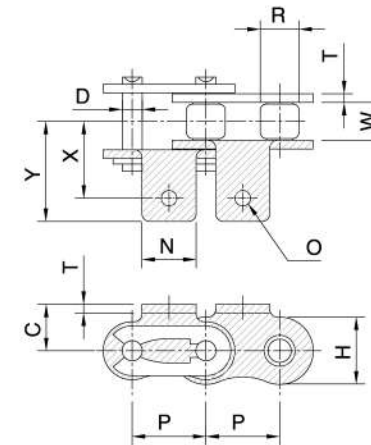
SA1



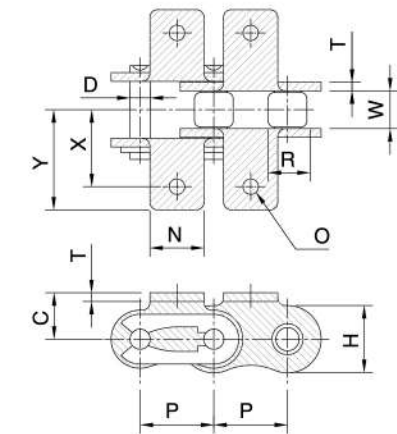
SK1



A1



K1

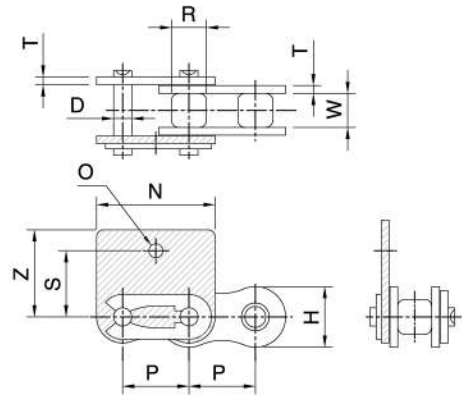


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment						Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thick.	Dia	A-1,K-1			SA-1,SK-1				
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	C	X	Y	S		Z
25	1/4"	6.35	3.10	3.30	6.02	0.75	2.31	5.60	3.30	4.75	7.15	10.70	---	---	357
35	3/8"	9.525	4.68	5.08	9.05	1.25	3.60	7.90	2.60/3.30	6.35	9.50	14.30	9.50	14.55	806
41	1/2"	12.70	6.25	7.77	9.91	1.25	3.60	9.50	3.20	---	---	---	12.24	17.73	684
40	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	9.50	3.50	8.00	12.70	17.80	12.70	17.40	1418
50	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	12.70	5.10	10.30	15.90	23.40	15.90	23.05	2224
60	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	15.90	5.10	11.90	19.05	28.20	18.30	26.85	3194
80	1"	25.40	15.75	15.88	24.13	3.20	7.94	19.10	6.70	15.90	25.40	36.60	24.60	35.45	5673
100	1-1/4"	31.75	18.90	19.05	30.17	4.00	9.54	25.40	8.60	19.80	31.75	44.90	31.80	44.00	8878
120	1-1/2"	38.10	25.22	22.23	36.20	4.80	11.11	28.60	9.80	23.00	38.10	55.80	---	---	12755
160	2"	50.80	31.55	28.58	48.26	6.40	14.29	38.10	13.10	31.80	50.80	71.80	---	---	22755

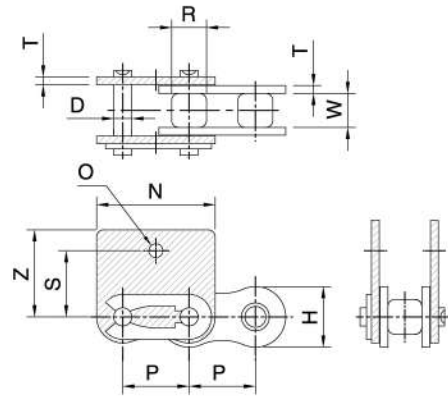
Any special specifications, please feel free to contact us.

## Attachments Chains ● Roller Chain Attachments

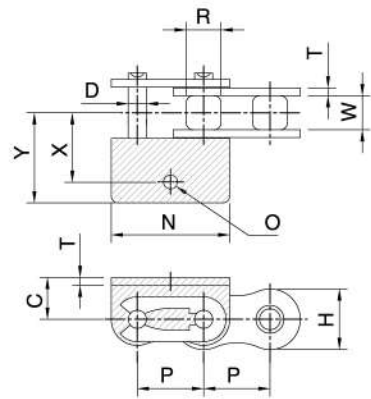
WSA1



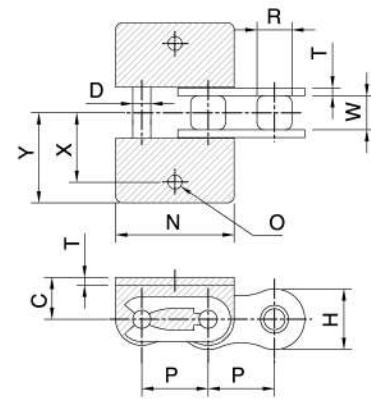
WSK1



WA1

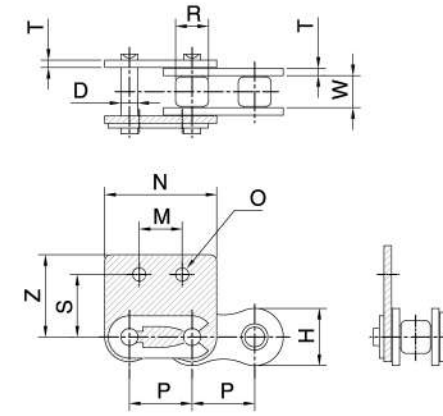


WK1

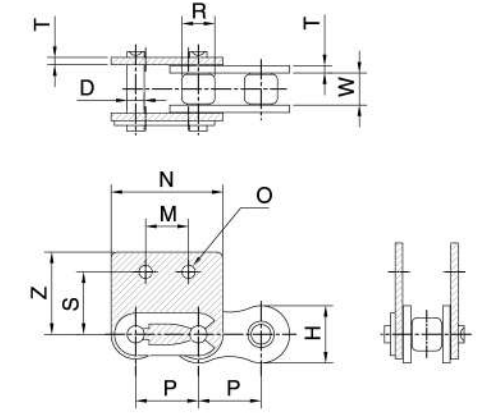


## Attachments Chains ● Roller Chain Attachments

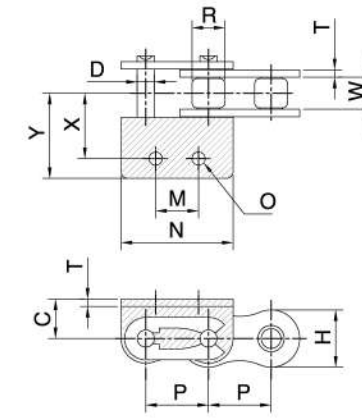
WSA2



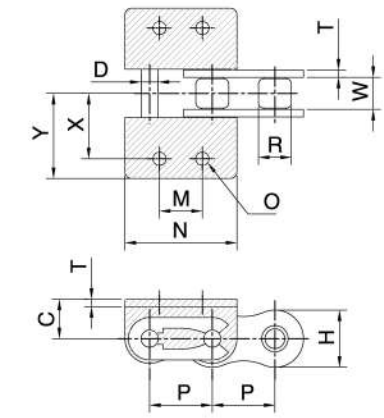
WSK2



WA2



WK2



CHAIN NO.	Pitch		Width	Roller	Plate			Pin	Attachment							Ultimate Strength kgf(min)
	P	W	Dia	Height	Thick.	Dia	N	WA1	WSA1	WA1,WK1			WSA1,WSK1			
	inch	mm	(min)	R(max)	H(max)	T		D(max)	WK1	WSK1	C	X	Y	S	Z	
35	3/8"	9.525	4.68	5.08	9.05	1.25	3.60	17.10	3.50	---	6.35	9.50	14.30	---	---	806
40	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	22.90	3.30	4.40	8.00	12.70	17.80	12.70	17.60	1418
50	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	28.70	5.10	5.40	10.30	15.90	23.40	15.90	23.05	2224
60	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	34.60	6.50	---	11.90	19.05	28.20	18.30	27.10	3194
80	1"	25.40	15.75	15.88	24.13	3.20	7.94	45.70	6.75/8.90	8.90	15.90	25.40	36.60	24.60	35.45	5673
100	1-1/4"	31.75	18.90	19.05	30.17	4.00	9.54	56.55	---	10.90	---	---	---	31.80	44.00	8878

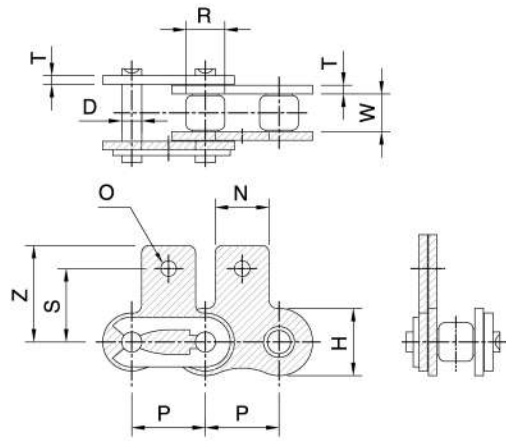
Any special specifications, please feel free to contact us.

CHAIN NO.	Pitch		Width	Roller	Plate			Pin	Attachment							Ultimate Strength kgf(min)
	P	W	Dia	Height	Thick.	Dia	N	WA2	WSA2	WA2,WK2			WSA2,WSK2			
	inch	mm	(min)	R(max)	H(max)	T		D(max)	WK2	WSK2	C	X	Y	S	Z	
40	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	22.90	3.30	4.40	8.00	12.70	17.80	12.70	17.60	1418
50	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	28.70	5.10	5.40	10.30	15.90	23.40	15.90	23.05	2224
60	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	34.60	6.50	---	11.90	19.05	28.20	18.30	27.10	3194
80	1"	25.40	15.75	15.88	24.13	3.20	7.94	45.70	6.75/8.90	8.90	15.90	25.40	36.60	24.60	35.45	5673
100	1-1/4"	31.75	18.90	19.05	30.17	4.00	9.54	56.55	---	10.90	---	---	---	31.80	44.00	8878

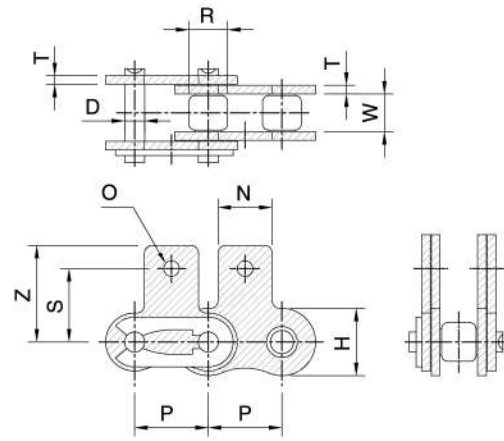
Any special specifications, please feel free to contact us.

## Attachments Chains ● Roller Chain Attachments

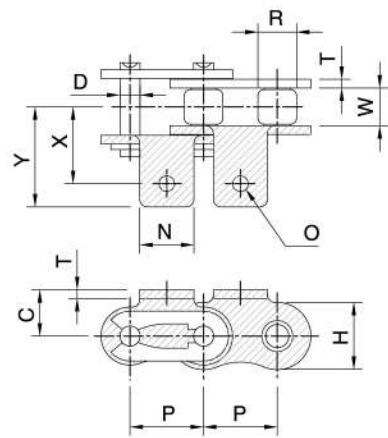
SA1



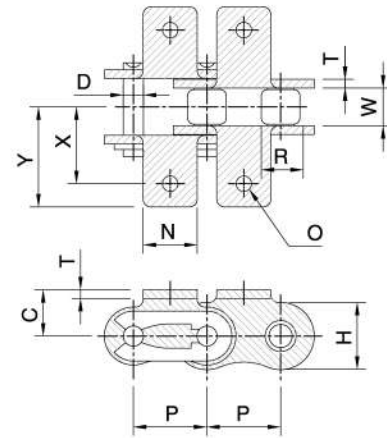
SK1



A1



K1

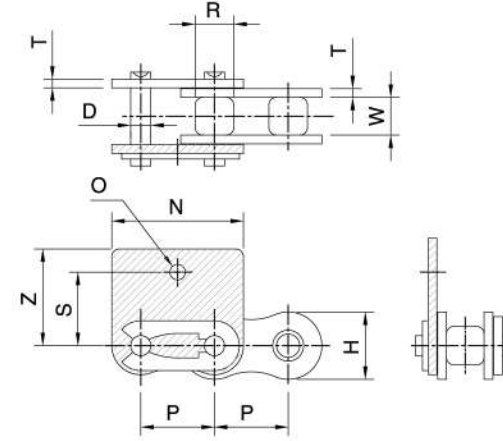


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment							Allowable Load kgf(max)
	P		W	Dia	Height	Thick.	Dia	A-1,K-1			SA-1,SK-1				
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	C	X	Y	S	Z	
25SS	1/4"	6.35	3.10	3.30	6.02	0.75	2.31	5.60	3.30	4.75	7.15	10.7	---	---	12
35SS	3/8"	9.525	4.68	5.08	9.05	1.25	3.60	7.90	2.60/3.30	6.35	9.50	14.30	9.50	14.55	27
40SS	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	9.50	3.50	8.00	12.70	17.80	12.70	17.40	45
50SS	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	12.70	5.10	10.30	15.90	23.40	15.90	23.05	70
60SS	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	15.90	5.10	11.90	19.05	28.20	18.30	26.85	105
80SS	1"	25.40	15.75	15.88	24.13	3.20	7.94	19.10	6.70	15.90	25.40	36.60	24.60	35.45	180

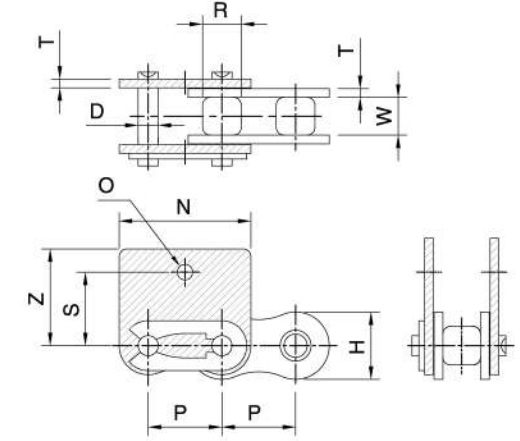
Any special specifications, please feel free to contact us.

## Attachments Chains ● Roller Chain Attachments

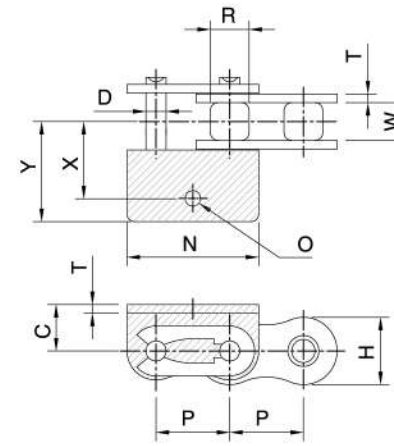
WSA1



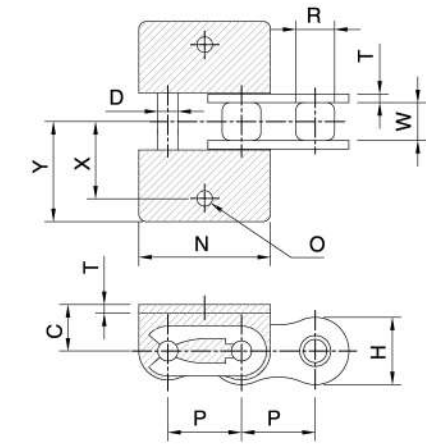
WSK1



WA1



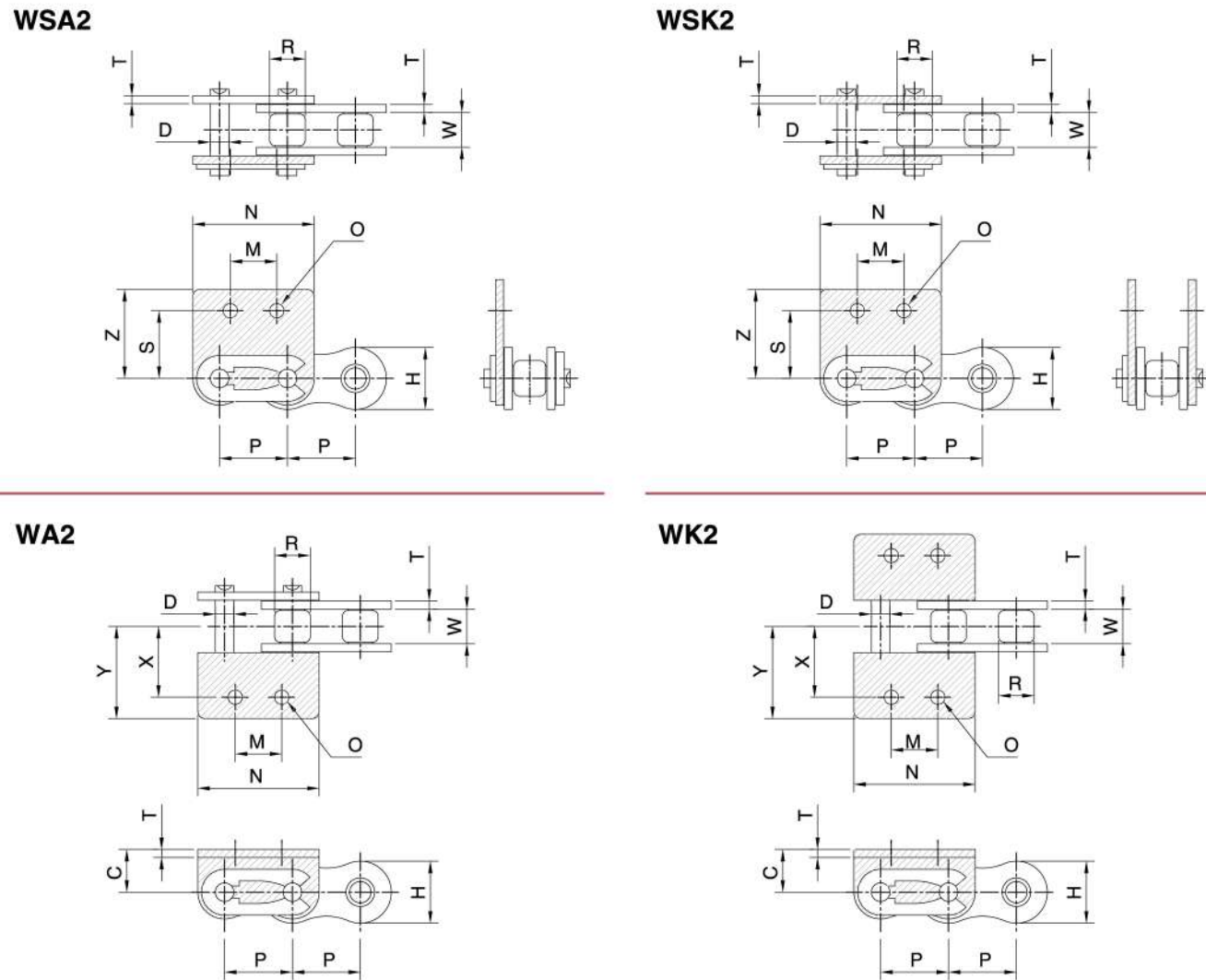
WK1



CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment							Allowable Load kgf(max)	
	P		W	Dia	Height	Thick.	Dia	WA1 WK1	WSA1 WSK1	WA1,WK1			WSA1,WSK1			
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	C	X	Y	S	Z		
35SS	3/8"	9.525	4.68	5.08	9.05	1.25	3.60	17.10	3.50	---	6.35	9.50	14.30	---	---	27
40SS	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	22.90	3.30	4.40	8.00	12.70	17.80	12.70	17.60	45
50SS	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	28.70	5.10	5.40	10.30	15.90	23.40	15.90	23.05	70
60SS	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	34.60	6.50	---	11.90	19.05	28.20	18.30	27.10	105
80SS	1"	25.40	15.75	15.88	24.13	3.20	7.94	45.70	6.75/8.90	8.90	15.90	25.40	36.60	24.60	35.45	180

Any special specifications, please feel free to contact us.

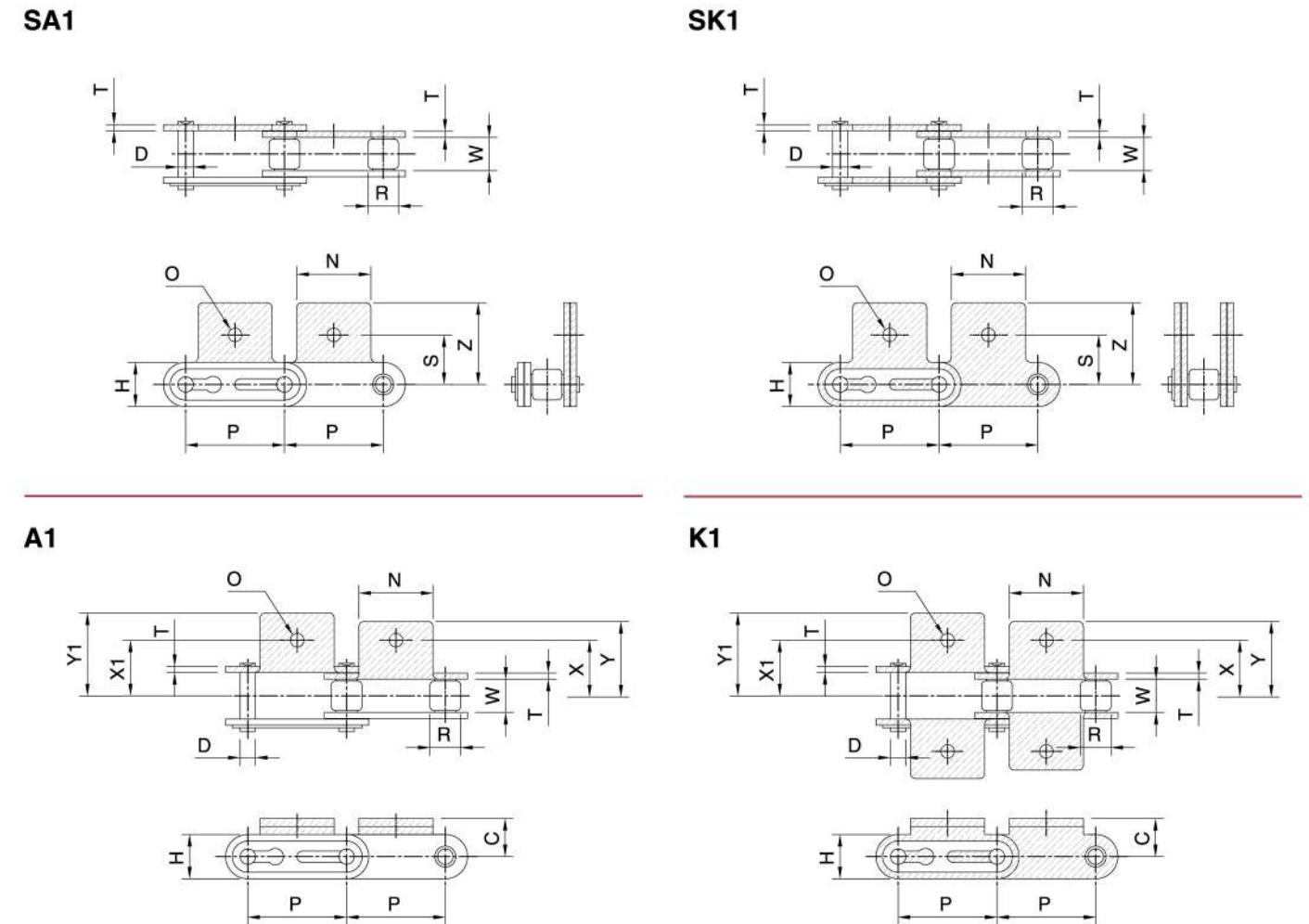
## Attachments Chains ● Roller Chain Attachments



CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment								Allowable Load kgf(max)		
	P		W	Dia	Height	Thick.	Dia	WA2 WK2	WSA2 WSK2	WA2 WK2	WSA2 WSK2	WA2,WK2			WSA2,WSK2			
	inch	mm	(min)	R(max)	H(max)	T	D(max)	M	N	O(min)	C	X	Y	S	Z			
40SS	1/2"	12.70	7.85	7.92	12.07	1.50	3.98	9.50	22.90	3.30	4.40	8.00	12.70	17.80	12.70	17.60	45	
50SS	5/8"	15.875	9.40	10.16	15.09	2.00	5.09	11.90	28.70	5.10	5.40	10.30	15.90	23.40	15.90	23.05	70	
60SS	3/4"	19.05	12.57	11.91	18.10	2.40	5.96	14.30	34.60	5.10	6.50	11.90	19.05	28.20	18.30	27.10	105	
80SS	1"	25.40	15.75	15.88	24.13	3.20	7.94	19.1/25.4	19.10	45.70	6.75	8.90	15.90	25.40	36.60	24.60	35.45	180

Any special specifications, please feel free to contact us.

## Attachments Chains ● Double Pitch Roller Chain Attachments

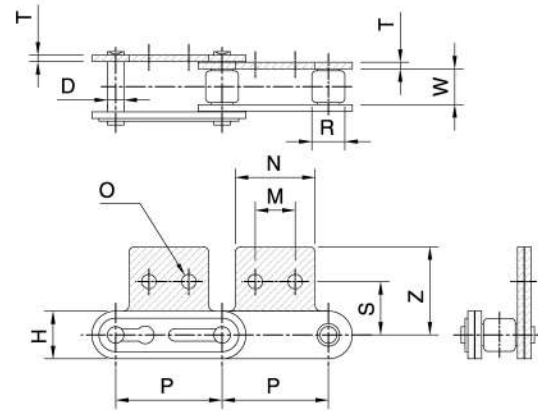


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment								Ultimate Strength kgf(min)		
	P		W	Dia	Height	Thick.	Dia	A-1 K-1	SA-1 SK-1	A-1,K-1				SA-1,SK-1				
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	C	X	Y	X1	Y1	S		Z	
C2040	1"	25.40	7.85	7.92	12.0	1.50	3.98	19.10	3.50	5.10	9.10	12.70	17.65	12.70	19.30	11.10	19.80	1418
C2042	1"	25.40	7.85	15.88	12.0	1.50	3.98	19.10	3.50	5.10	9.10	12.70	17.65	12.70	19.30	11.10	19.80	1418
C2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	5.09	23.80	5.10	6.70	11.10	15.90	21.95	15.90	24.15	14.25	24.10	2224
C2052	1-1/4"	31.75	9.40	19.05	15.0	2.00	5.09	23.80	5.10	6.70	11.10	15.90	21.95	15.90	24.15	14.25	24.10	2224
C2060H	1-1/2"	38.10	12.57	11.91	18.0	3.20	5.96	28.60	5.10	8.60	14.70	21.45	28.20	21.45	31.45	17.50	31.55	3194
C2062H	1-1/2"	38.10	12.57	22.23	18.0	3.20	5.96	28.60	5.10	8.60	14.70	21.45	28.20	21.45	31.45	17.50	31.55	3194
C2080H	2"	50.80	15.75	15.88	24.1	4.00	7.94	38.10	6.70	10.20	19.10	27.80	36.52	27.80	40.70	22.20	40.50	5673
C2082H	2"	50.80	15.75	28.58	24.1	4.00	7.94	38.10	6.70	10.20	19.10	27.80	36.52	27.80	40.70	22.20	40.50	5673
C2100H	2-1/2"	63.50	18.90	19.05	30.1	4.80	9.54	47.60	11.0	---	23.40	33.35	44.75	33.35	49.90	---	---	8878
C2102H	2-1/2"	63.50	18.90	39.67	30.1	4.80	9.54	47.60	11.0	---	23.40	33.35	44.75	33.35	49.90	---	---	8878
C2120H	3"	76.20	25.22	22.23	36.2	5.60	11.11	57.20	10.30	---	27.80	39.70	54.40	39.70	60.40	---	---	12755
C2122H	3"	76.20	25.22	44.45	36.2	5.60	11.11	57.20	10.30	---	27.80	39.70	54.40	39.70	60.40	---	---	12755

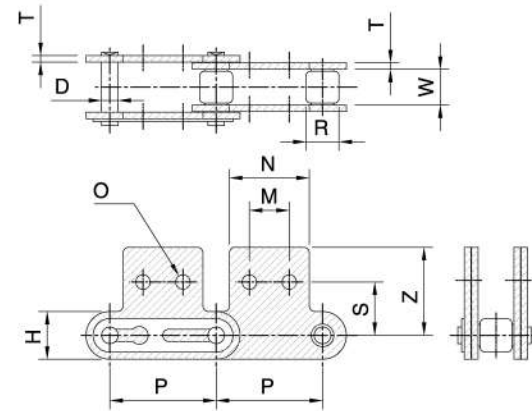
Any special specifications, please feel free to contact us.

# Attachments Chains ● Double Pitch Roller Chain Attachments

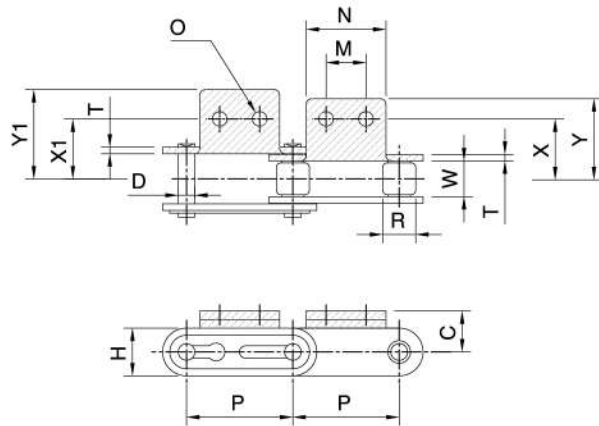
SA2



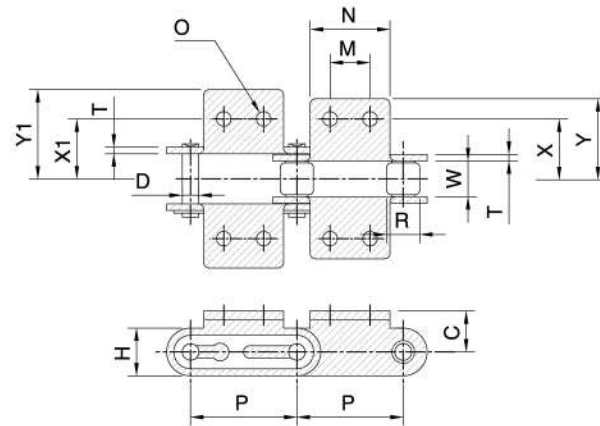
SK2



A2



K2

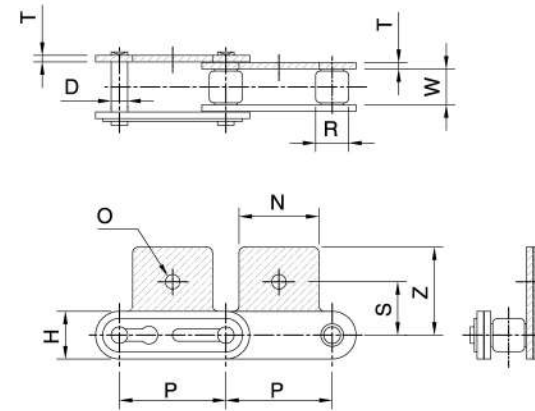


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment										Ultimate Strength kgf(min)
	P		W	Dia	Height	Thick.	Dia	A-2,K-2					SA-2,SK-2					
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	M	C	X	Y	X1	Y1	S	Z	
C2040	1"	25.40	7.85	7.92	12.0	1.50	3.98	19.10	3.50	9.50	9.10	12.70	17.65	12.70	19.30	13.60	19.80	1418
C2042	1"	25.40	7.85	15.88	12.0	1.50	3.98	19.10	3.50	9.50	9.10	12.70	17.65	12.70	19.30	13.60	19.80	1418
C2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	5.09	23.80	5.10	11.90	11.10	15.90	21.95	15.90	24.15	15.90	24.10	2224
C2052	1-1/4"	31.75	9.40	19.05	15.0	2.00	5.09	23.80	5.10	11.90	11.10	15.90	21.95	15.90	24.15	15.90	24.10	2224
C2060H	1-1/2"	38.10	12.57	11.91	18.0	3.20	5.96	28.60	5.10	14.30	14.70	21.45	28.20	21.45	31.45	19.10	31.55	3194
C2062H	1-1/2"	38.10	12.57	22.23	18.0	3.20	5.96	28.60	5.10	14.30	14.70	21.45	28.20	21.45	31.45	19.10	31.55	3194
C2080H	2"	50.80	15.75	15.88	24.1	4.00	7.94	38.10	6.70	19.10	19.10	27.80	36.52	27.80	40.70	25.40	40.50	5673
C2082H	2"	50.80	15.75	28.58	24.1	4.00	7.94	38.10	6.70	19.10	19.10	27.80	36.52	27.80	40.70	25.40	40.50	5673
C2100H	2-1/2"	63.50	18.90	19.05	30.1	4.80	9.54	47.60	8.70	23.80	23.40	33.35	44.75	33.35	49.90	31.80	50.40	8878
C2102H	2-1/2"	63.50	18.90	39.67	30.1	4.80	9.54	47.60	8.70	23.80	23.40	33.35	44.75	33.35	49.90	31.80	50.40	8878
C2120H	3"	76.20	25.22	22.23	36.2	5.60	11.11	57.20	10.30	28.60	---	---	---	---	---	37.30	59.90	12755
C2122H	3"	76.20	25.22	44.45	36.2	5.60	11.11	57.20	10.30	28.60	---	---	---	---	---	37.30	59.90	12755

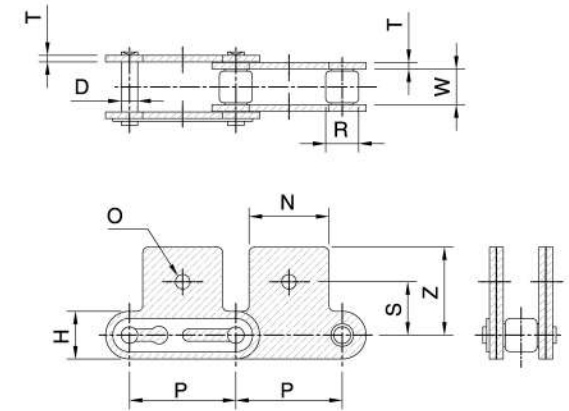
Any special specifications, please feel free to contact us.

# Attachments Chains ● Double Pitch Roller Chain Attachments

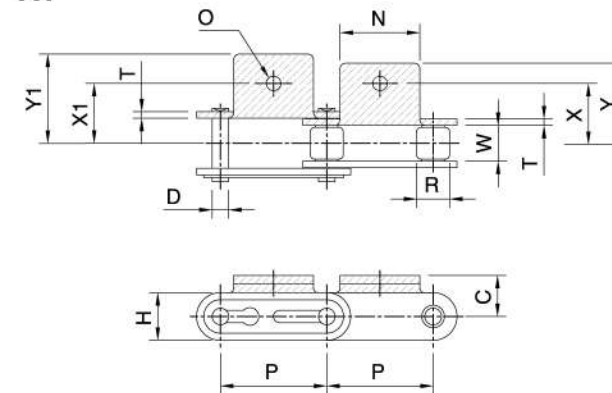
SA1



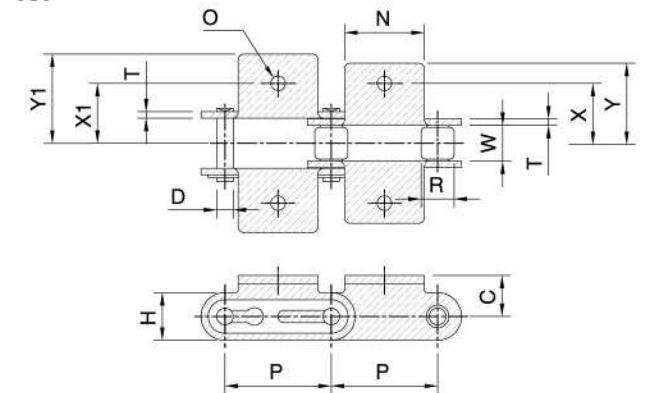
SK1



A1



K1

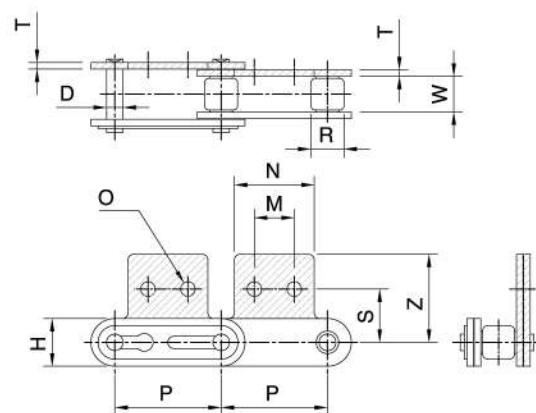


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment										Allowable Load kgf(max)
	P		W	Dia	Height	Thick.	Dia	A-1	SA-1	A-1,K-1					SA-1,SK-1			
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	C	X	Y	X1	Y1	S	Z		
C2040SS	1"	25.40	7.85	7.92	12.0	1.50	3.98	19.10	3.50	5.10	9.10	12.70	17.65	12.70	19.30	11.10	19.80	45
C2042SS	1"	25.40	7.85	15.88	12.0	1.50	3.98	19.10	3.50	5.10	9.10	12.70	17.65	12.70	19.30	11.10	19.80	45
C2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	5.09	23.80	5.10	6.70	11.10	15.90	21.95	15.90	24.15	14.25	24.10	70
C2052SS	1-1/4"	31.75	9.40	19.05	15.0	2.00	5.09	23.80	5.10	6.70	11.10	15.90	21.95	15.90	24.15	14.25	24.10	70
C2060HSS	1-1/2"	38.10	12.57	11.91	18.0	3.20	5.96	28.60	5.10	8.60	14.70	21.45	28.20	21.45	31.45	17.50	31.55	105
C2062HSS	1-1/2"	38.10	12.57	22.23	18.0	3.20	5.96	28.60	5.10	8.60	14.70	21.45	28.20	21.45	31.45	17.50	31.55	105
C2080HSS	2"	50.80	15.75	15.88	24.1	4.00	7.94	38.10	6.70	10.20	19.10	27.80	36.52	27.80	40.70	22.20	40.50	180
C2082HSS	2"	50.80	15.75	28.58	24.1	4.00	7.94	38.10	6.70	10.20	19.10	27.80	36.52	27.80	40.70	22.20	40.50	180

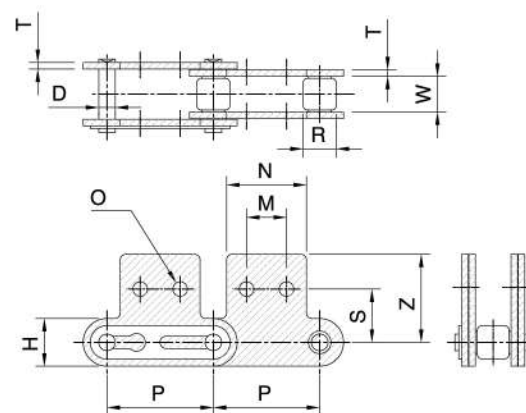
Any special specifications, please feel free to contact us.

## Attachments Chains ● Double Pitch Roller Chain Attachments

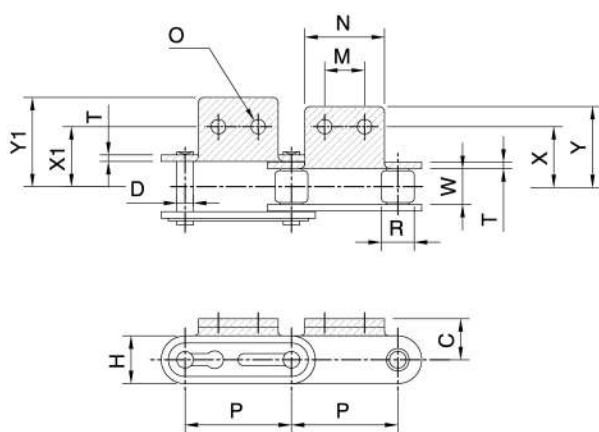
SA2



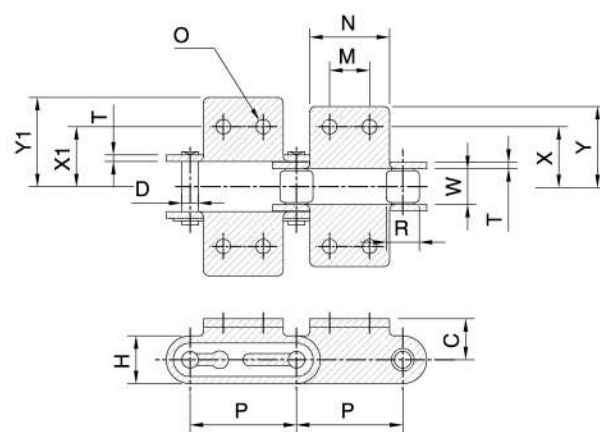
SK2



A2



K2

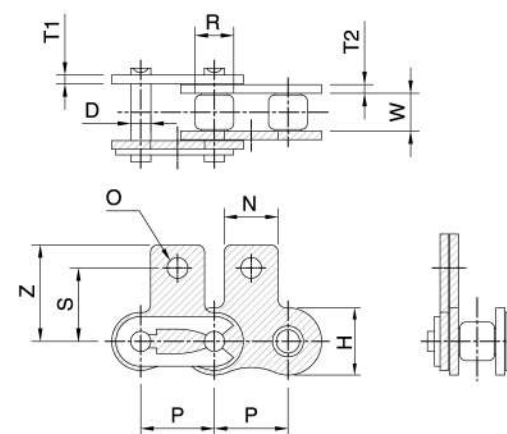


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment										Allowable Load kgf(max)
	P		W	Dia	Height	Thick.	Dia	A-2,K-2					SA-2,SK-2					
	inch	mm	(min)	R(max)	H(max)	T	D(max)	N	O(min)	M	C	X	Y	X1	Y1	S	Z	
C2040SS	1"	25.40	7.85	7.92	12.0	1.50	3.98	19.10	3.50	9.50	9.10	12.70	17.65	12.70	19.30	13.60	19.80	45
C2042SS	1"	25.40	7.85	15.88	12.0	1.50	3.98	19.10	3.50	9.50	9.10	12.70	17.65	12.70	19.30	13.60	19.80	45
C2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	5.09	23.80	5.10	11.90	11.10	15.90	21.95	15.90	24.15	15.90	24.10	70
C2052SS	1-1/4"	31.75	9.40	19.05	15.0	2.00	5.09	23.80	5.10	11.90	11.10	15.90	21.95	15.90	24.15	15.90	24.10	70
C2060HSS	1-1/2"	38.10	12.57	11.91	18.0	3.20	5.96	28.60	5.10	14.30	14.70	21.45	28.20	21.45	31.45	19.10	31.55	105
C2062HSS	1-1/2"	38.10	12.57	22.23	18.0	3.20	5.96	28.60	5.10	14.30	14.70	21.45	28.20	21.45	31.45	19.10	31.55	105
C2080HSS	2"	50.80	15.75	15.88	24.1	4.00	7.94	38.10	6.70	19.10	19.10	27.80	36.52	27.80	40.70	25.40	40.50	180
C2082HSS	2"	50.80	15.75	28.58	24.1	4.00	7.94	38.10	6.70	19.10	19.10	27.80	36.52	27.80	40.70	25.40	40.50	180

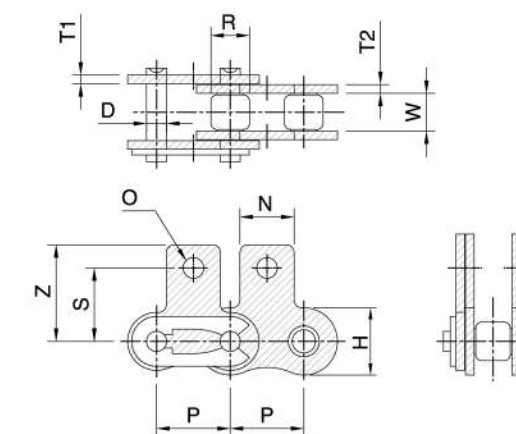
Any special specifications, please feel free to contact us.

## Attachments Chains ● ISO "B" Roller Chain Attachments

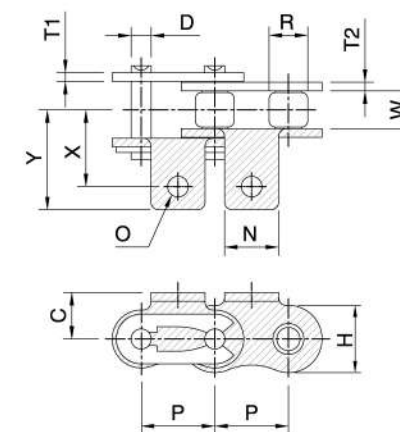
SA1



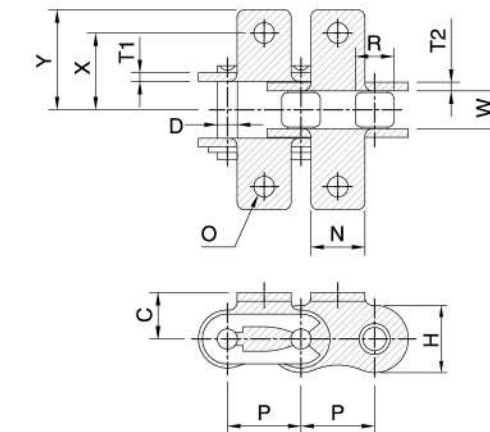
SK1



A1



K1

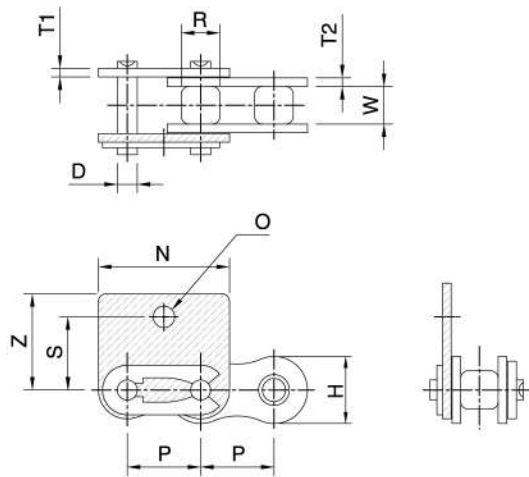


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment								Ultimate Strength kgf(min)
	P		W	Dia	Height	Thick.	Dia	A-1,K-1				SA-1,SK-1				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	N	O(min)	C	X	Y	S	Z	
08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	---	---	---	13.70	20.80	1816
D08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	---	---	---	13.00	20.80	1816
K08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	8.90	13.80	20.85	---	---	1816
10B	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	14.00	5.30	10.30	15.90	24.80	16.50	24.90	2265
12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	18.00	6.60	12.20	17.60	26.35	18.50	28.20	2949
D12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	18.00	6.40	---	---	---	21.00	28.20	2949
16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	8.40	17.00	29.00	41.90	27.40	39.70	6122
D16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	6.60	---	---	---	23.00	39.70	6122
K16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	---	8.40	17.00	29.00	42.80	---	6122

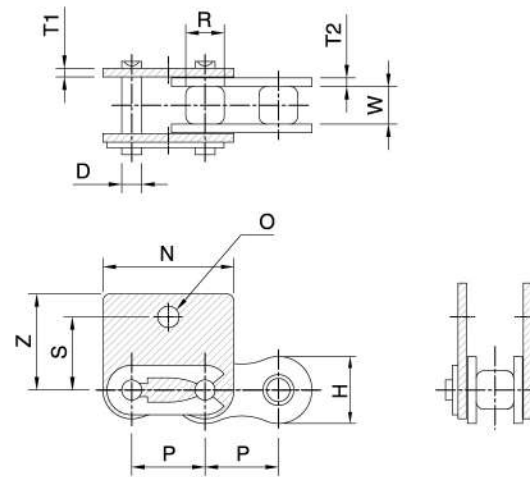
Any special specifications, please feel free to contact us.

## Attachments Chains ● ISO "B" Roller Chain Attachments

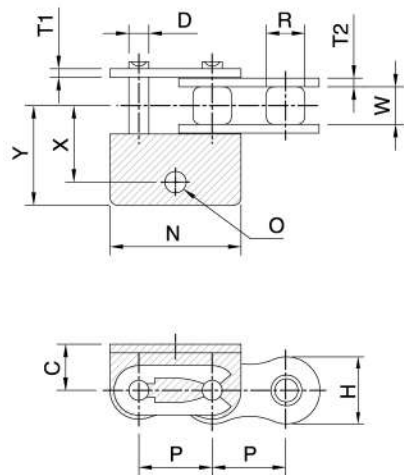
WSA1



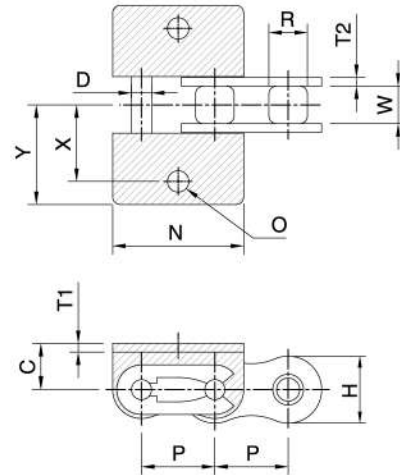
WSK1



WA1



WK1

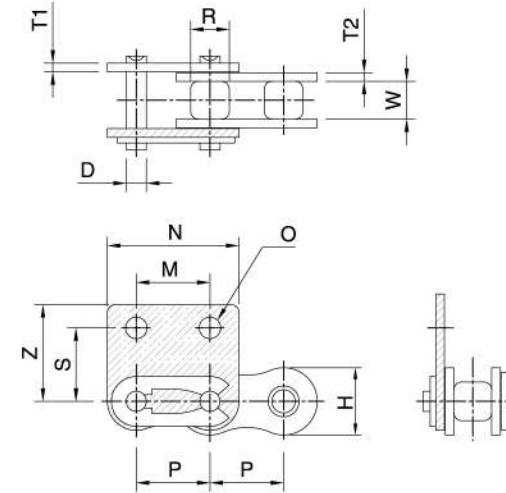


CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment								Ultimate Strength kgf(min)
	P		W	Dia	Height	Thick.	Dia	WA-1,WK-1				WSA-1,WSK-1				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	N	O(min)	C	X	Y	S	Z	
08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	22.90	4.30	---	---	---	13.70	20.80	1816
K08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	22.90	4.30	8.90	13.80	20.85	---	---	1816
10B	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	28.95	5.30	10.30	15.90	24.80	16.50	24.90	2265
12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	36.00	6.60	12.20	17.60	26.35	18.50	28.20	2949
16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	8.40	17.00	29.00	41.90	27.40	39.70	6122
D16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	6.60	---	---	---	23.00	39.70	6122
K16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	8.40	17.90	29.00	42.80	---	---	6122

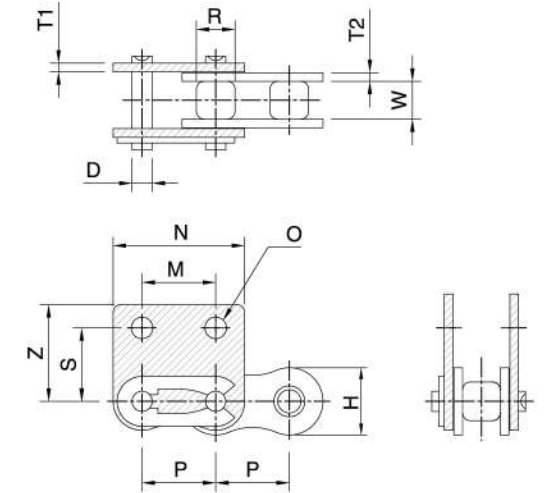
Any special specifications, please feel free to contact us.

## Attachments Chains ● ISO "B" Roller Chain Attachments

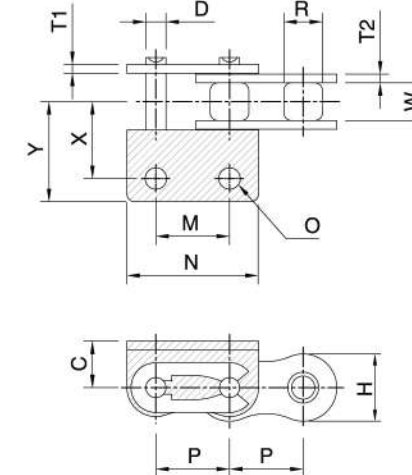
WSA2



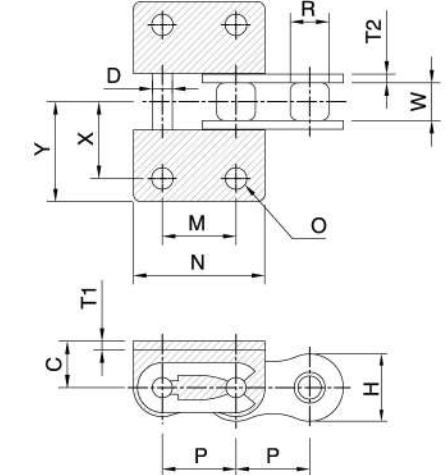
WSK2



WA2



WK2



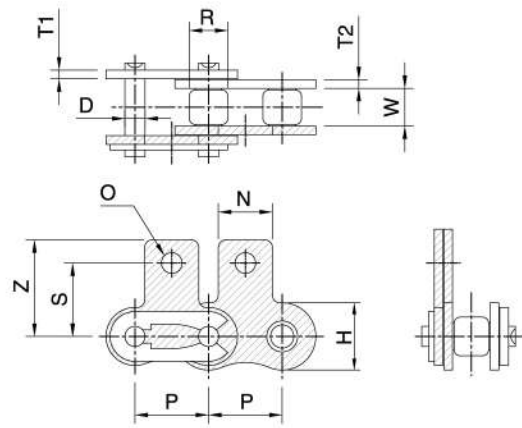
CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment								Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thick.	Dia	WA-2,WK-2				WSA-2,WSK-2					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	M	N	O	C	X	Y	S		Z
08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	12.70	22.90	4.30	---	---	---	13.70	20.80	1816
K08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	12.70	22.90	4.30	8.90	13.80	20.85	---	---	1816
10B	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	15.88	28.95	5.30	10.30	15.90	24.80	16.50	24.90	2265
12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	19.05	36.00	6.60	12.20	17.60	26.35	18.50	28.20	2949
16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	25.40	45.70	8.40	17.00	29.00	41.90	27.40	39.70	6122
K16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	25.40	45.70	8.40	17.90	29.00	42.80	---	---	6122

Any special specifications, please feel free to contact us.

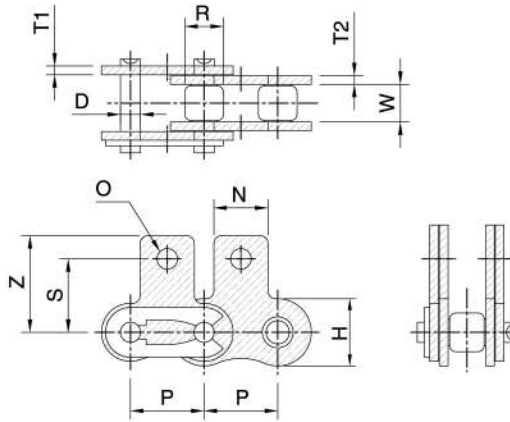
## Attachments Chains ● ISO "B" Roller Chain Attachments

## Attachments Chains ● ISO "B" Roller Chain Attachments

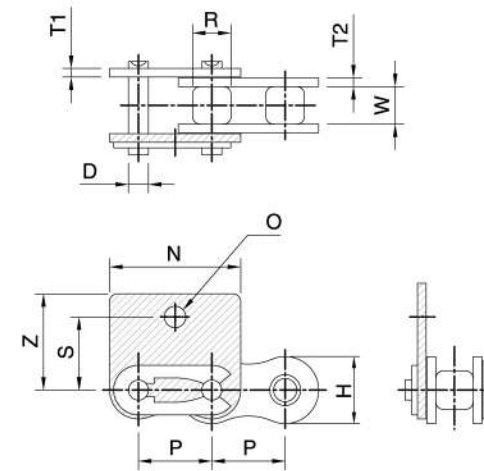
SA1



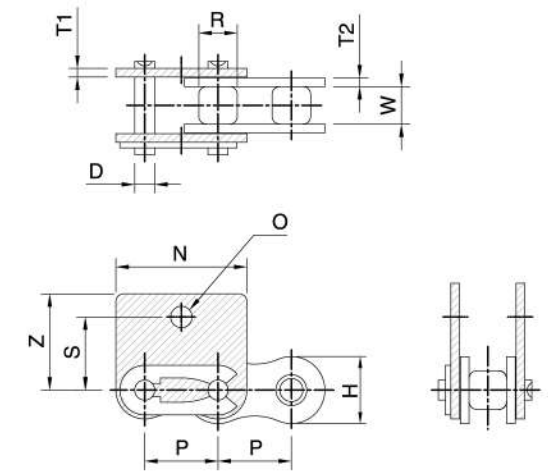
SK1



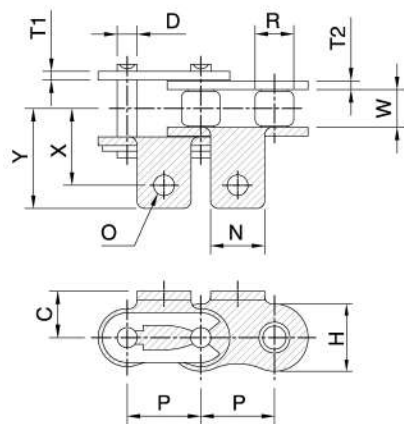
WSA1



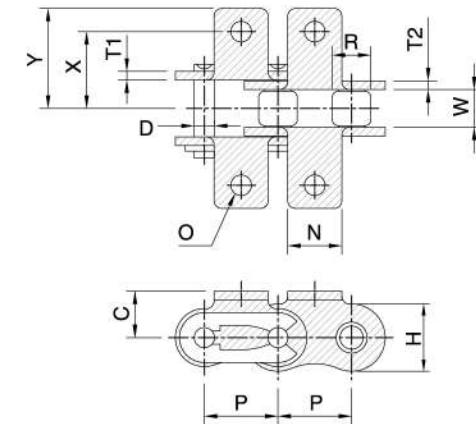
WSK1



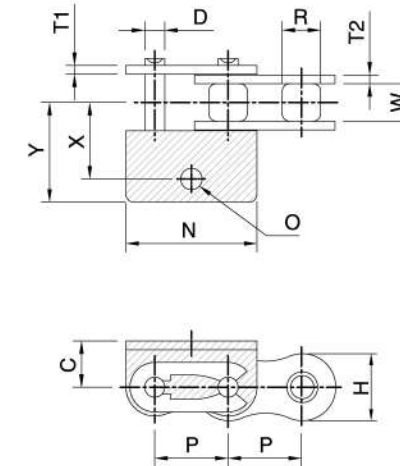
A1



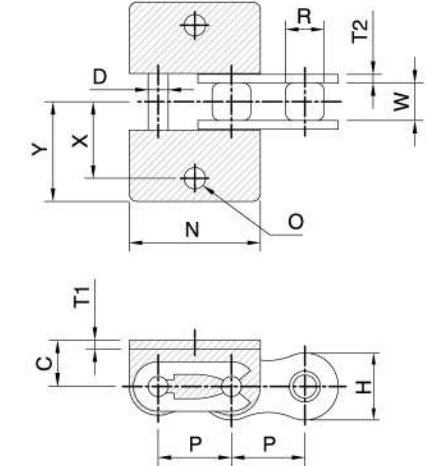
K1



WA1



WK1



CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment							Allowable Load kgf(max)	
	P		W	Dia	Height	Thick.	Dia	A-1,K-1			SA-1,SK-1					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	N	O(min)	C	X	Y	S		Z
08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	---	---	---	13.70	20.80	50
D08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	---	---	---	13.00	20.80	50
K08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	11.00	4.30	8.90	13.80	20.85	---	---	50
10BSS	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	14.00	5.30	10.30	15.90	24.80	16.50	24.90	67
12BSS	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	18.00	6.60	12.20	17.60	26.35	18.50	28.20	90
D12BSS	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	18.00	6.40	---	---	---	21.00	28.20	90
16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	8.40	17.00	29.00	41.90	27.40	39.70	210
D16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	6.60	---	---	---	23.00	39.70	210
K16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	24.00	---	8.40	17.00	29.00	42.80	---	210

Any special specifications, please feel free to contact us.

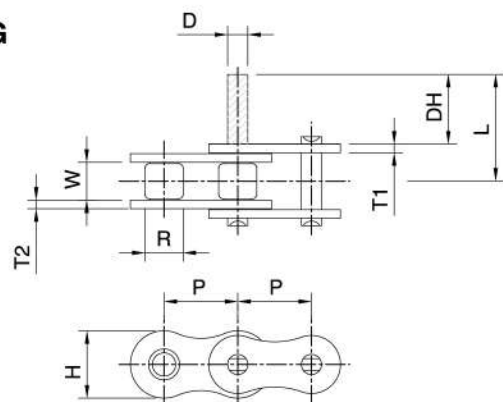
CHAIN NO.	Pitch		Width	Roller	Plate		Pin	Attachment							Allowable Load kgf(max)	
	P		W	Dia	Height	Thick.	Dia	WA-1,WK-1			WSA-1,WSK-1					
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	N	O	C	X	Y	S		Z
08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	22.90	4.30	---	---	---	13.70	20.80	50
K08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	22.90	4.30	8.90	13.80	20.85	---	---	50
10BSS	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	28.95	5.30	10.30	15.90	24.80	16.50	24.90	67
12BSS	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	36.00	6.60	12.20	17.60	26.35	18.50	28.20	90
16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	8.40	17.00	29.00	41.90	27.40	39.70	210
D16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	6.60	---	---	---	23.00	39.70	210
K16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	45.70	8.40	17.90	29.00	42.80	---	---	210

Any special specifications, please feel free to contact us.

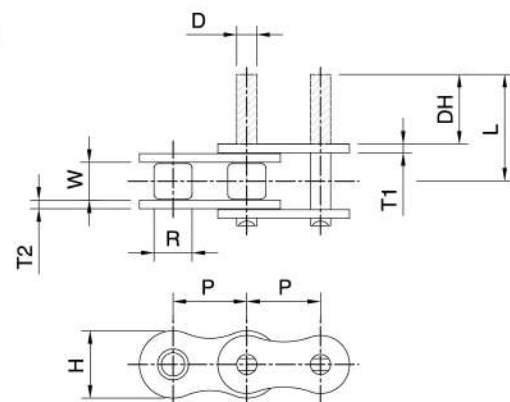


## Attachments Chains ● D1&D3 Attachments

D1/AG

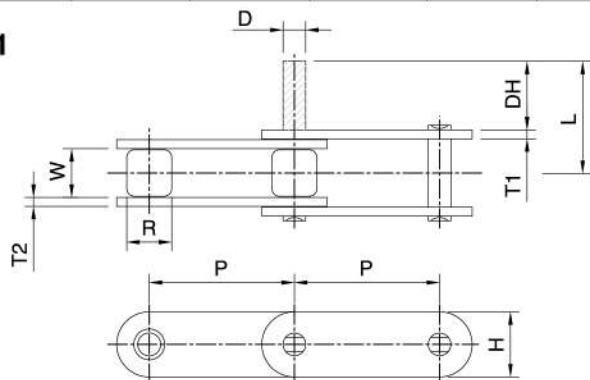


D3

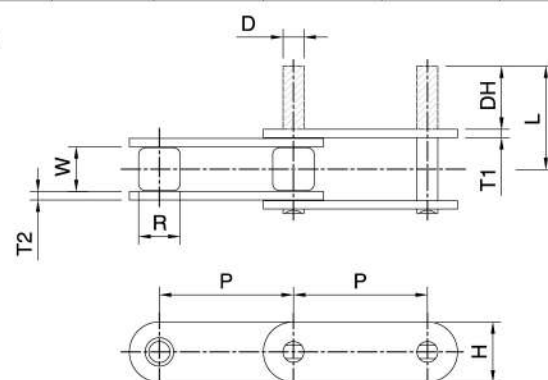


CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thickness		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
35	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	9.52	14.52	806
40	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	9.52	16.72	1418
41	1/2"	12.70	6.25	7.77	9.91	1.25	1.25	3.60	9.52	15.40	684
50AG	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	8.03	17.08	2224
50	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	11.91	20.96	2224
60	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	14.27	25.60	3194
80	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	19.00	33.48	5673
100	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	23.83	41.83	8878
120	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	28.60	51.25	12755
140	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	33.30	57.70	17347
160	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	38.10	67.35	22755

D1



D3

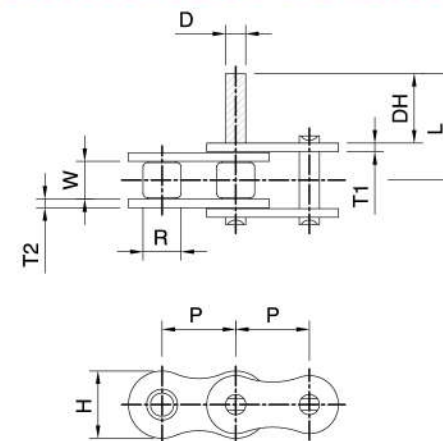


CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thickness		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
A2040	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	9.52	16.72	1418
A2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	11.91	20.96	2224
C2040	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	9.52	16.72	1418
C2042	1"	25.40	7.85	15.88	12.0	1.50	1.50	3.98	9.52	16.72	1418
C2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	11.91	20.96	2224
C2052	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.09	11.91	20.96	2224
C2060H	1-1/2"	38.10	12.57	11.91	18.0	3.20	3.20	5.96	14.27	27.07	3194
C2062H	1-1/2"	38.10	12.57	22.23	18.0	3.20	3.20	5.96	14.27	27.07	3194
C2080H	2"	50.80	15.75	15.88	24.1	4.00	4.00	7.94	19.00	35.18	5673
C2082H	2"	50.80	15.75	28.58	24.1	4.00	4.00	7.94	19.00	35.18	5673
C2100H	2-1/2"	63.50	18.90	19.05	30.1	4.80	4.80	9.54	23.80	43.40	8878
C2102H	2-1/2"	63.50	18.90	39.67	30.1	4.80	4.80	9.54	23.80	43.40	8878
C2120H	3"	76.20	25.22	22.23	36.20	5.60	5.60	11.11	28.60	53.08	12755
C2122H	3"	76.20	25.22	44.45	36.20	5.60	5.60	11.11	28.60	53.08	12755

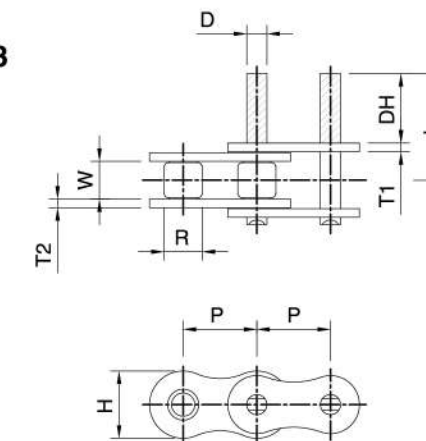
\* DH length (Pin extension) per requested

## Attachments Chains ● D1&D3 Attachments

D1

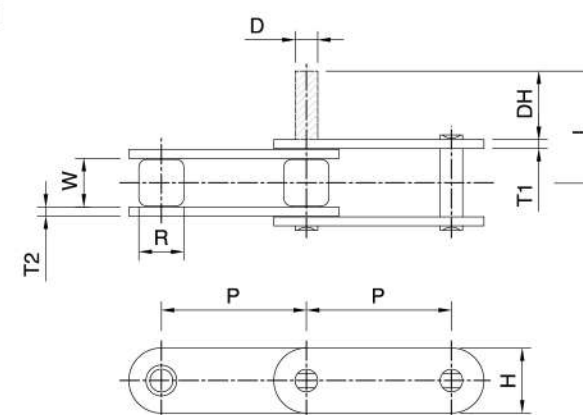


D3

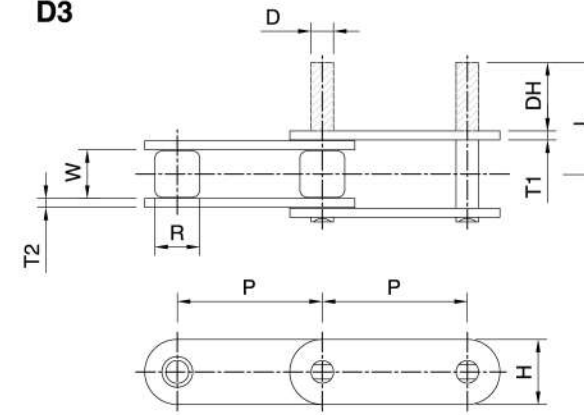


CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	
	P		W	Dia	Height	Thickness		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
06BSS	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	11.30	16.63	27
08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	14.80	22.05	50
10BSS	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	17.60	26.05	66
12BSS	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	20.70	30.48	90
16BSS	1"	25.40	17.02	15.88	21.80	3.20	4.00	8.28	33.30	49.33	209

D1



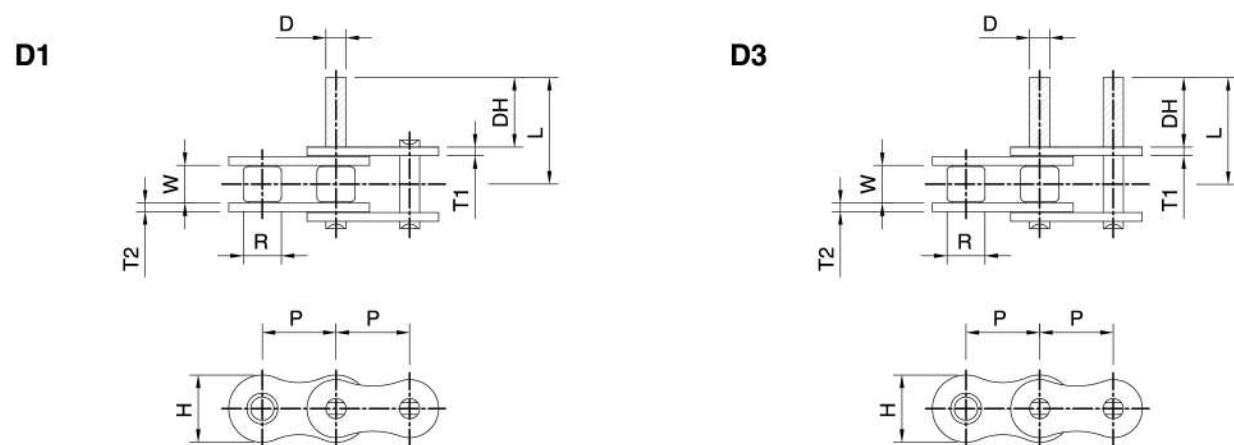
D3



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	
	P		W	Dia	Height	Thickness		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
A2040SS	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	9.52	16.72	45
A2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	11.91	20.96	70
C2040SS	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	9.52	16.72	45
C2042SS	1"	25.40	7.85	15.88	12.0	1.50	1.50	3.98	9.52	16.72	45
C2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	11.91	20.96	70
C2052SS	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.09	11.91	20.96	70
C2060HSS	1-1/2"	38.10	12.57	11.91	18.0	3.20	3.20	5.96	14.27	27.07	105
C2062HSS	1-1/2"	38.10	12.57	22.23	18.0	3.20	3.20	5.96	14.27	27.07	105
C2080HSS	2"	50.80	15.75	15.88	24.10	4.00	4.00	7.94	19.00	35.18	180
C2082HSS	2"	50.80	15.75	28.58	24.10	4.00	4.00	7.94	19.00	35.18	180

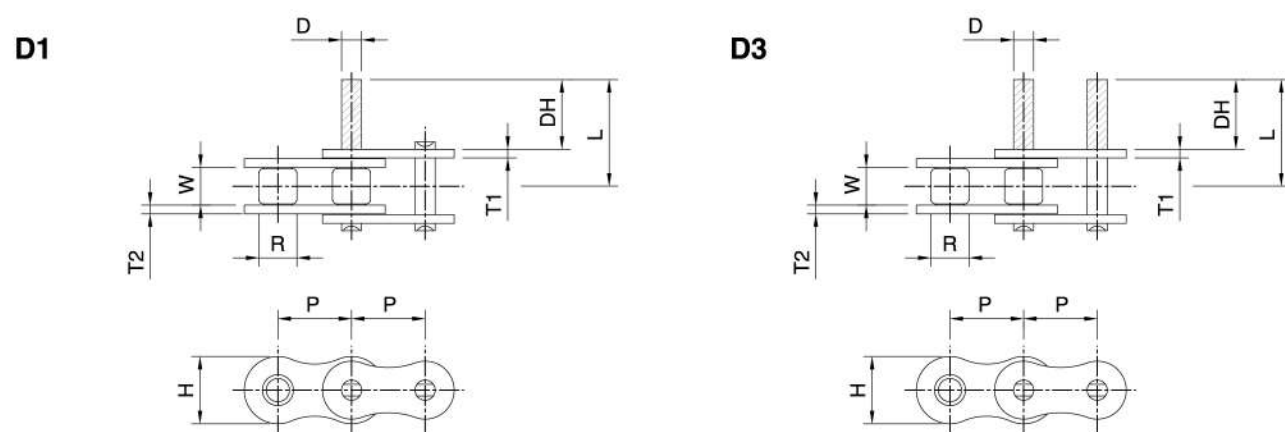
\* DH length (Pin extension) per requested

## Attachments Chains ● D1&D3 Attachments



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thickness	Dia	Length			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
06B	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	11.30	16.63	908
08B	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	14.80	22.05	1816
10B	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	17.60	26.05	2265
12B	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	20.70	30.48	2949
16B	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	33.30	49.33	6122
20B	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	38.30	56.50	9694
24B	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	50.30	74.65	16327

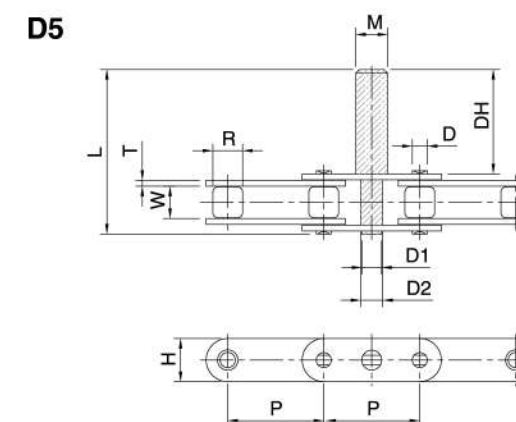
\*DH length(Pin extension) per requested



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	
	P		W	Dia	Height	Thickness	Dia	Length			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	*DH		L
35SS	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	9.52	14.52	27
40SS	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	9.52	16.72	45
50SS	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	11.91	20.96	70
60SS	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	14.27	25.60	105
80SS	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	19.00	33.48	180
100SS	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	23.83	41.83	260

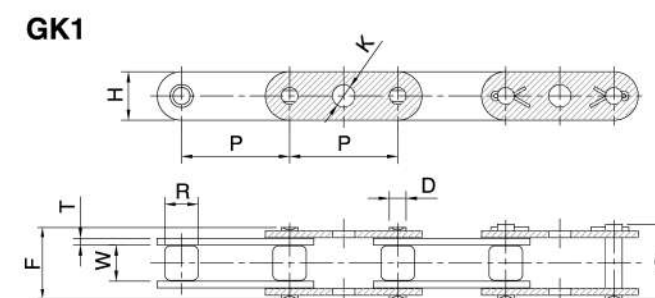
\* DH length (Pin extension) per requested

## Attachments Chains ● D5 Attachments



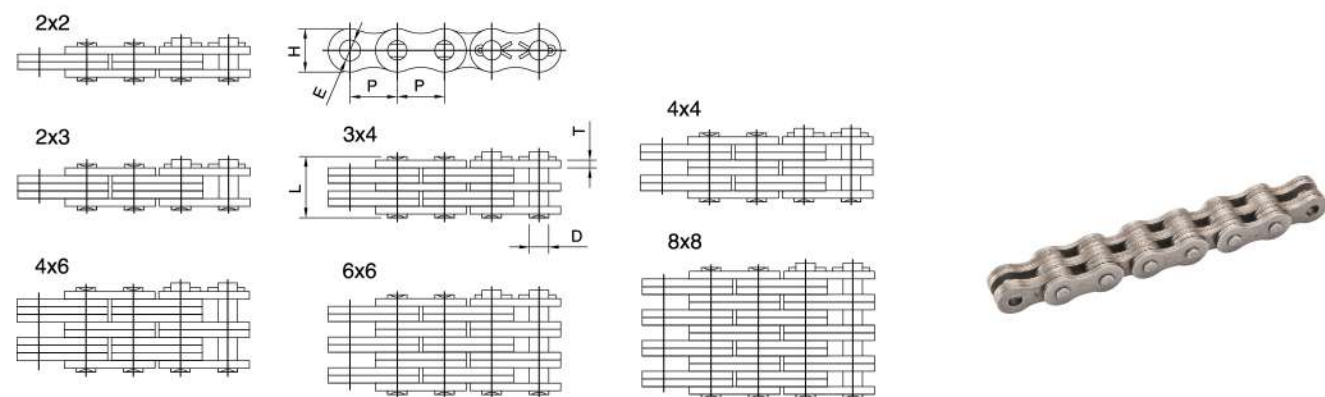
CHAIN NO.	Type	Pitch		Width	Roller	Plate		Pin					Ultimate Strength kgf(min)	
		P		W	Dia	Height	Thick.	Dia			Length			
		inch	mm	(min)	R(max)	H(max)	T	D(max)	D1	D2	M	DH		L
C2060H	A	1-1/2"	38.10	12.57	11.91	18.0	3.20	5.96	7.90	8.72	12.70	41.28	69.00	3194
C2080H	B	2"	50.80	15.75	15.88	24.1	4.00	7.94	10.24	11.00	15.88	41.40	75.80	5673

## Attachments Chains ● GK1 Attachments



CHAIN NO.	Pitch		Width	Roller	Plate			Pin			Ultimate Strength kgf(min)	
	P		W	Dia	Height	Thick.	ØK (min.)		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T	STD	OPTIONAL	D(max)	F		G
C2040	1"	25.40	7.85	7.92	12.0	1.50	4.15	6.08	3.98	17.8	21.7	1418
C2042	1"	25.40	7.85	15.88	12.0	1.50	4.15	6.08	3.98	17.8	21.7	1418
C2050	1-1/4"	31.75	9.40	10.16	15.0	2.00	6.50	5.50/8.10/8.25	5.09	21.8	25.9	2224
C2052	1-1/4"	31.75	9.40	19.05	15.0	2.00	6.50	5.50/8.10/8.25	5.09	21.8	25.9	2224
C2060H	1-1/2"	38.10	12.57	11.91	18.0	3.20	8.20	6.50/8.30	5.96	30.2	34.8	3194
C2062H	1-1/2"	38.10	12.57	22.23	18.0	3.20	8.20	10.20/11.20	5.96	30.2	34.8	3194
C2080H	2"	50.80	15.75	15.88	24.1	4.0	10.10	11.10/12.10	7.94	37.4	42.8	5673
C2082H	2"	50.80	15.75	28.58	24.1	4.0	10.10	11.10/12.10	7.94	37.4	42.8	5673

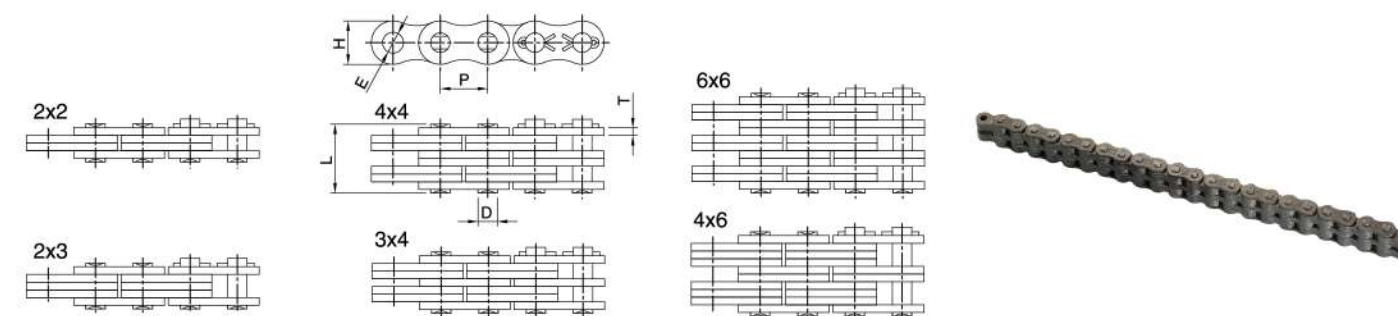
## Leaf Chains ● AL Series Leaf Chain



CHAIN NO.	Lacing	Pitch P		Plate			Pin		Ultimate Strength kgf(ave.)	Approx Weight kg/m
		inch	mm	Height	Hole	Thickness	Dia	Length		
				H(max)	E(min)	T	D(max)	L(max)		
AL422	2x2	1/2"	12.70	10.41	4.00	1.5	3.98	8.43	1800	0.36
AL444	4x4							14.88	3600	0.71
AL466	6x6							21.34	5400	1.22
AL522	2x2	5/8"	15.875	13.03	5.12	2.0	5.09	11.02	3100	0.63
AL523	2x3							13.16	3100	0.78
AL544	4x4							19.51	6200	1.23
AL566	6x6							27.99	9300	2.10
AL588	8x8							36.48	12400	2.46
AL622	2x2	3/4"	19.05	15.62	5.98	2.4	5.96	12.87	4400	0.90
AL623	2x3							15.37	4400	1.12
AL644	4x4							22.78	61500	1.78
AL646	4x6							27.74	8800	2.25
AL666	6x6							32.69	13200	3.03
AL688	8x8							42.60	17600	3.6
AL822	2x2	1"	25.40	20.83	7.96	3.2	7.94	17.36	7800	1.48
AL844	4x4							30.78	15600	2.92
AL866	6x6							44.20	23400	4.97
AL888	8x8							57.61	31200	5.78
AL1022	2x2	1-1/4"	31.75	26.04	9.56	4.0	9.54	21.34	11500	2.35
AL1044	4x4							37.90	23000	4.61
AL1066	6x6							54.46	34500	7.88
AL1088	8x8							71.02	46000	9.23
AL1222	2x2	1-1/2"	38.10	31.24	11.14	4.8	11.11	25.38	15500	3.4
AL1244	4x4							45.19	31000	6.65
AL1266	6x6							65.00	46500	10.14
AL1444	4x4	1-3/4"	44.45	36.45	12.74	5.6	12.71	52.88	41000	10.34
AL1466	6x6							76.15	61500	15.16
AL1644	4x4	2"	50.80	41.65	14.31	6.4	14.29	59.97	50000	12.98
AL1666	6x6							86.39	75000	19.41
AL1688	8x8							112.81	100000	25.84

Any other enquiry than above spec. is welcomed.

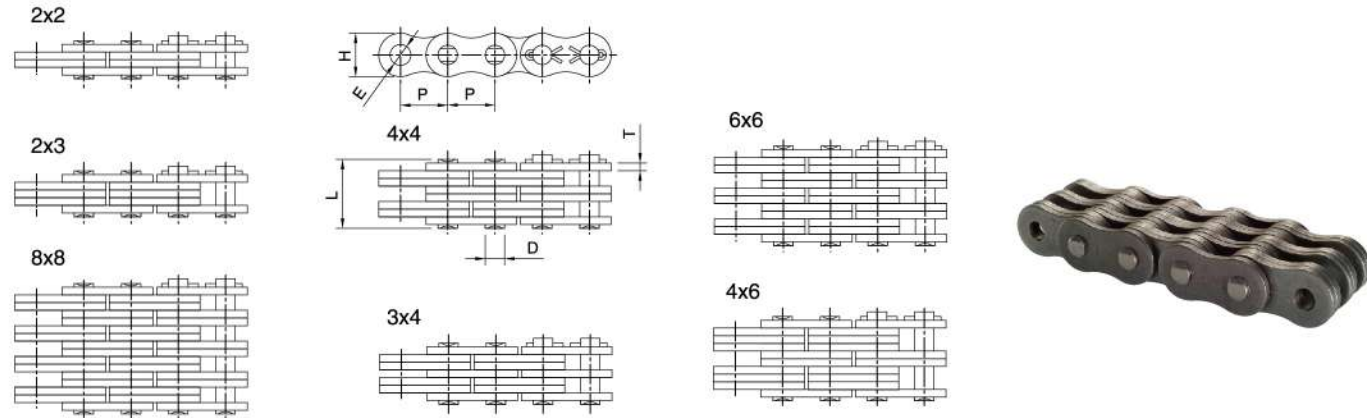
## Leaf Chains ● BL Series Leaf Chain



CHAIN NO.	ISO/DIN	Lacing	Pitch P		Plate			Pin		Ultimate Strength kgf(ave.)	Approx Weight kg/m
			inch	mm	Height	Hole	Thickness	Dia	Length		
					H(max)	E(min)	T	D(max)	L(max)		
BL422	LH0822	2x2	1/2"	12.70	12.07	5.12	2.0	5.09	11.02	3000	0.69
BL423	LH0823	2x3							13.16	3000	0.77
BL434	LH0834	3x4							17.40	4500	1.07
BL444	LH0844	4x4							19.51	6000	1.19
BL446	LH0846	4x6							23.75	6000	1.48
BL466	LH0866	6x6							27.99	9000	1.80
BL522	LH1022	2x2	5/8"	15.875	15.09	5.98	2.4	5.96	12.88	4400	0.91
BL523	LH1023	2x3							15.37	4400	1.13
BL534	LH1034	3x4							20.32	6600	1.56
BL544	LH1044	4x4							22.78	8800	1.78
BL546	LH1046	4x6							27.74	8800	2.22
BL566	LH1066	6x6							32.69	13200	2.74
BL588	LH1088	8x8							42.60	17600	3.70
BL622	LH1222	2x2	3/4"	19.05	18.11	7.96	3.2	7.94	17.37	7000	1.47
BL623	LH1223	2x3							20.73	7000	1.82
BL634	LH1234	3x4							27.43	10500	2.52
BL644	LH1244	4x4							30.78	14000	2.87
BL646	LH1246	4x6							37.49	14000	3.57
BL666	LH1266	6x6							44.20	21000	4.27
BL688	LH1288	8x8							57.61	28000	5.67
BL822	LH1622	2x2	1"	25.40	24.13	9.56	4.0	9.54	21.34	11500	2.30
BL823	LH1623	2x3							25.48	11500	3.15
BL834	LH1634	3x4							33.76	17250	4.37
BL844	LH1644	4x4							37.90	23000	4.98
BL846	LH1646	4x6							46.18	23000	6.20
BL866	LH1666	6x6							54.46	34500	7.50
BL888	LH1688	8x8							71.03	46000	10.02

Any other enquiry than above spec. is welcomed.

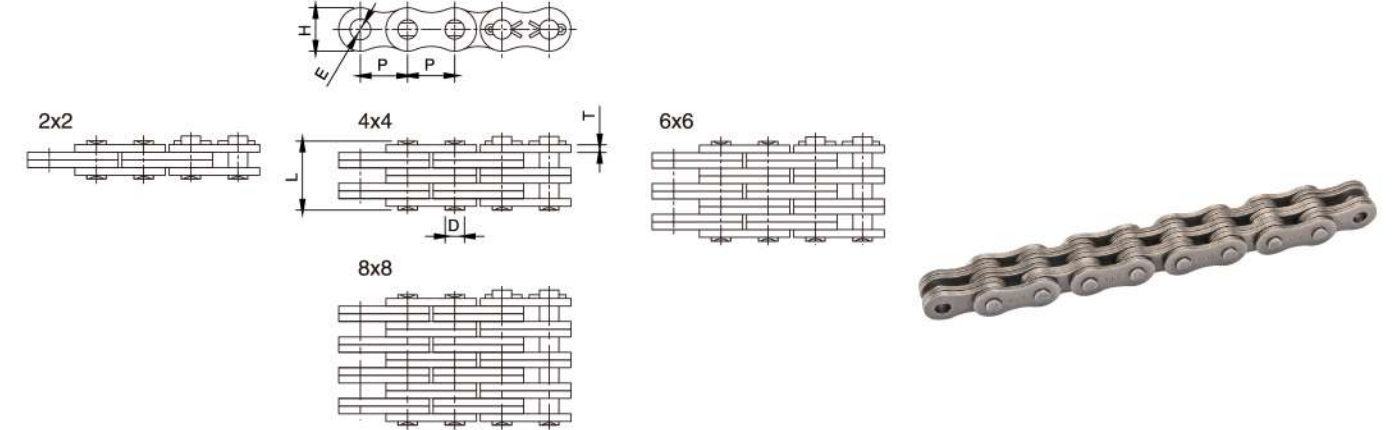
## Leaf Chains ● BL Series Leaf Chain



CHAIN NO.	ISO/DIN	Lacing	Pitch		Plate			Pin		Ultimate Strength	Approx Weight
			P		Height	Hole	Thickness	Dia	Length		
			inch	mm							
BL1022	LH2022	2x2							25.37	15500	2.49
BL1023	LH2023	2x3							30.33	15500	3.85
BL1034	LH2034	3x4							40.23	23250	5.84
BL1044	LH2044	4x4	1-1/4"	31.75	30.18	11.14	4.8	11.11	45.19	31000	7.20
BL1046	LH2046	4x6							55.09	31000	8.24
BL1066	LH2066	6x6							65.00	46500	10.63
BL1088	LH2088	8x8							84.81	62000	14.06
BL1222	LH2422	2x2							29.62	20500	4.83
BL1223	LH2423	2x3							35.43	20500	6.54
BL1234	LH2434	3x4							47.07	30750	9.10
BL1244	LH2444	4x4	1-1/2"	38.10	36.20	12.74	5.6	12.71	52.88	41000	10.39
BL1246	LH2446	4x6							64.52	41000	12.01
BL1266	LH2466	6x6							76.15	61500	14.58
BL1288	LH2488	8x8							99.42	82000	18.77
BL1422	LH2822	2x2							33.55	25000	7.20
BL1423	LH2823	2x3							40.16	25000	9.05
BL1434	LH2834	3x4							53.37	39000	12.60
BL1444	LH2844	4x4	1-3/4"	44.45	42.24	14.31	6.4	14.29	59.97	50000	14.41
BL1446	LH2846	4x6							73.18	50000	17.98
BL1466	LH2866	6x6							86.39	75000	21.52
BL1488	LH2888	8x8							112.81	100000	28.59
BL1622	LH3222	2x2							39.01	33000	9.72
BL1623	LH3223	2x3							46.58	33000	12.11
BL1634	LH3234	3x4							61.72	51500	16.86
BL1644	LH3244	4x4	2"	50.80	48.26	17.49	7.2	17.46	69.29	66000	19.22
BL1646	LH3246	4x6							84.43	66000	23.92
BL1666	LH3266	6x6							99.57	99000	28.71
BL1688	LH3288	8x8							129.86	132000	38.19

Any other enquiry than above spec. is welcomed.

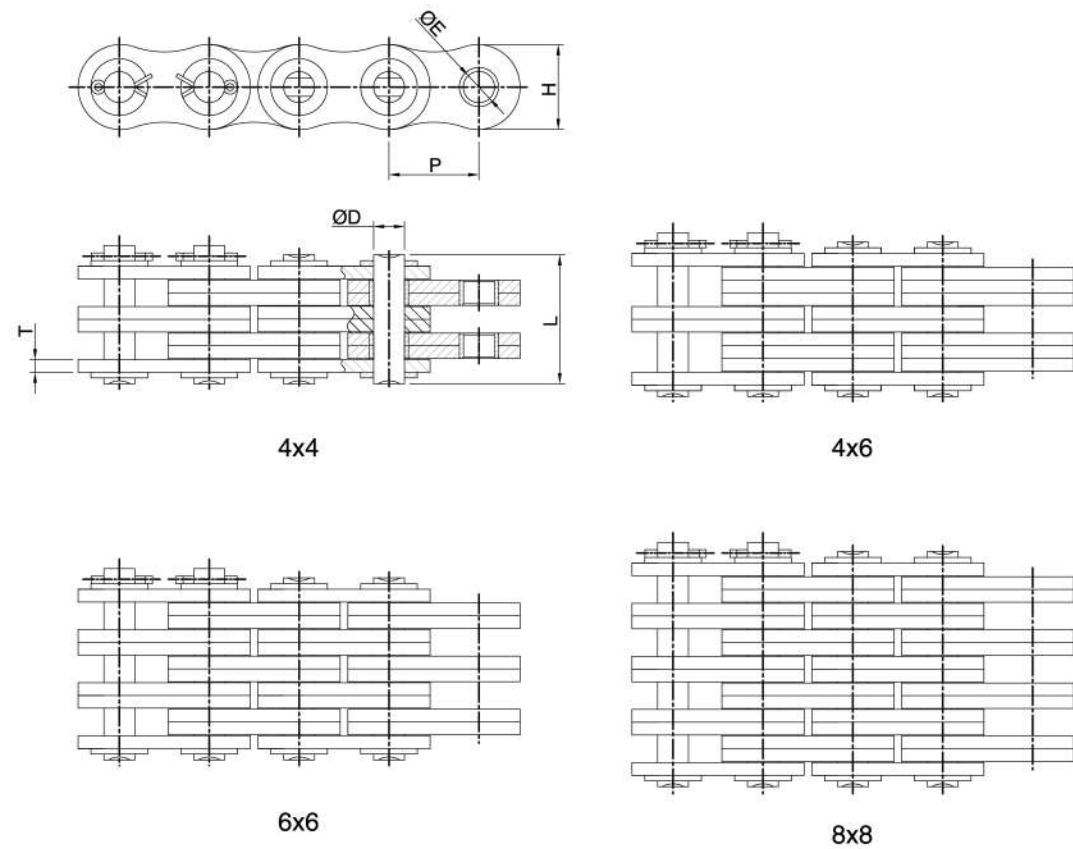
## Leaf Chains ● EL Series Leaf Chain



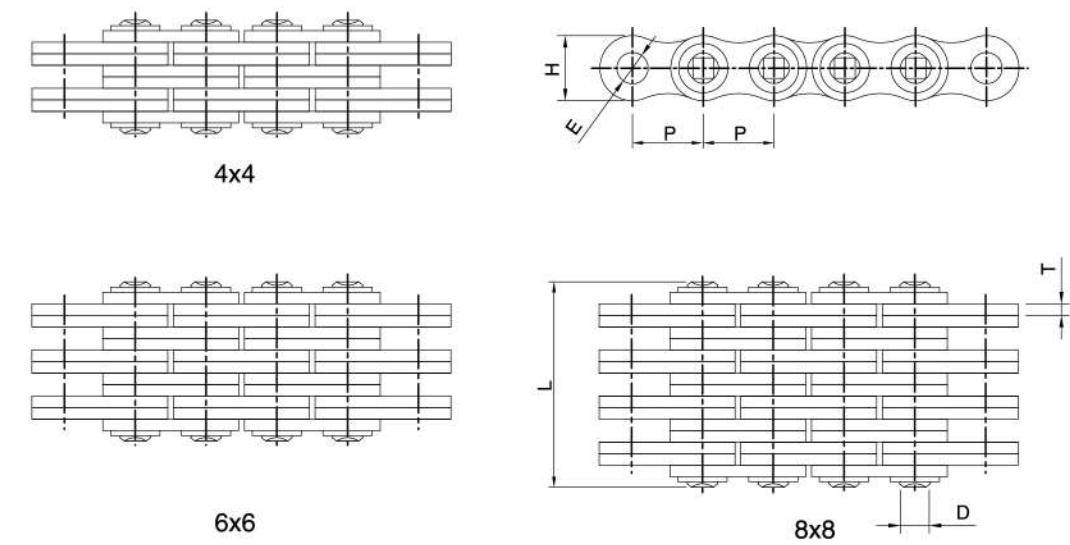
CHAIN NO.	ISO/DIN	Lacing	Pitch		Plate			Pin		Ultimate Strength	Approx Weight
			P		Height	Hole	Thickness	Dia	Length		
			inch	mm							
EL522	LL1022	2x2							9.3	2600	0.50
EL544	LL1044	4x4	5/8"	15.875	13.72	5.09	1.65	5.08	16.1	5200	1.00
EL566	LL1066	6x6							22.9	7800	1.48
EL588	LL1088	8x8							29.7	10400	1.95
EL622	LL1222	2x2							10.7	4000	0.74
EL644	LL1244	4x4	3/4"	19.05	16.13	5.73	1.80	5.72	18.5	8000	1.45
EL666	LL1266	6x6							26.3	12000	2.16
EL688	LL1288	8x8							34.1	16000	2.91
EL822	LL1622	2x2							17.2	8000	1.57
EL844	LL1644	4x4	1"	25.40	21.08	8.30	3.20	8.28	30.2	16000	3.09
EL866	LL1666	6x6							43.2	24000	4.60
EL888	LL1688	8x8							56.2	32000	6.13
EL1022	LL2022	2x2							20.1	12000	2.01
EL1044	LL2044	4x4	1-1/4"	31.75	26.42	10.21	3.50	10.19	35.1	24000	3.93
EL1066	LL2066	6x6							50.1	36000	5.86
EL1088	LL2088	8x8							65.1	48000	8.20
EL1222	LL2422	2x2							28.4	19000	4.18
EL1244	LL2444	4x4	1-1/2"	38.10	33.4	14.65	5.20	14.63	49.4	38000	8.48
EL1266	LL2466	6x6							70.4	57000	12.2
EL1288	LL2488	8x8							91.4	76000	16.0
EL1622	LL3222	2x2							35.0	30000	7.02
EL1644	LL3244	4x4	2"	50.80	42.29	17.83	6.40	17.81	61.0	60000	12.71
EL1666	LL3266	6x6							87.0	90000	18.91
EL1688	LL3288	8x8							113.0	120000	25.08
EL1644(T6)	LL3244(T6)	4x4							56.15	60000	12.67
EL1666(T6)	LL3266(T6)	6x6	2"	50.80	42.29	17.83	6.00	17.81	81.15	90000	18.85
EL1688(T6)	LL3288(T6)	8x8							108.15	120000	24.40

Any other enquiry than above spec. is welcomed.

## Leaf Chains ● Harbor Leaf Chain



## Leaf Chains ● Harbor Leaf Chain



CHAIN NO.	Lacing	Pitch		Plate			Pin		Ultimate Strength kgf(ave.)	Approx Weight kg/m
		P		Height	Hole	Thickness	Dia	Length		
		inch	mm	H(max)	E(min)	T	D(max)	L		
BL1444_UB(QS)	4x4									
BL1446_UB(QS)	4x6	1-3/4"	44.45	42.24	14.31	6.4	14.29	78.55	52000	17.55
BL1466_UB(QS)	6x6							91.85	78000	20.78
BL1488_UB(QS)	8x8							118.15	104000	27.36
BL1644_UB(QS)	4x4							72.75	66000	18.06
BL1646_UB(QS)	4x6	2"	50.80	48.26	17.49	7.2	17.46	87.70	66000	22.37
BL1666_UB(QS)	6x6							101.95	99000	26.60
BL1688_UB(QS)	8x8							131.75	132000	35.13

Any other enquiry than above spec. is welcomed.

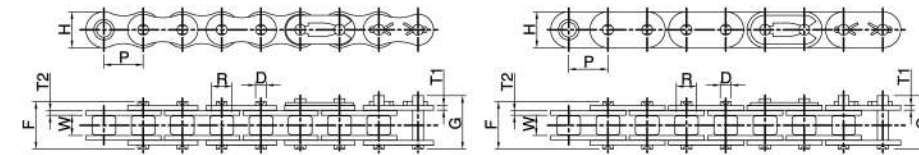
CHAIN NO.	Lacing	Pitch		Plate			Pin		Ultimate Strength kgf(ave.)	Approx Weight kg/m
		P		Height	Hole	Thickness	Dia	Length		
		inch	mm	H(max)	E(min)	T	D(max)	L		
LL2444_U(QS)	4x4							52.70	36000	9.04
LL2466_U(QS)	6x6	1-1/2"	38.10	33.73	14.65	5.00	14.63	72.70	54000	13.08
LL2488_U(QS)	8x8							93.70	72000	17.21
LL3244_U(QS)	4x4							60.00	60000	12.97
LL3266_U(QS)	6x6	2"	50.80	42.72	17.83	6.00	17.81	86.10	90000	19.30
LL3288_U(QS)	8x8							111.10	120000	24.74
LL321010_U(QS)	10x10							134.80	150000	30.7

Any other enquiry than above spec. is welcomed.

# SPECIAL ENVIRONMENT CHAINS



## Stainless Steel Chain ● Stainless Steel Chain



F TYPE



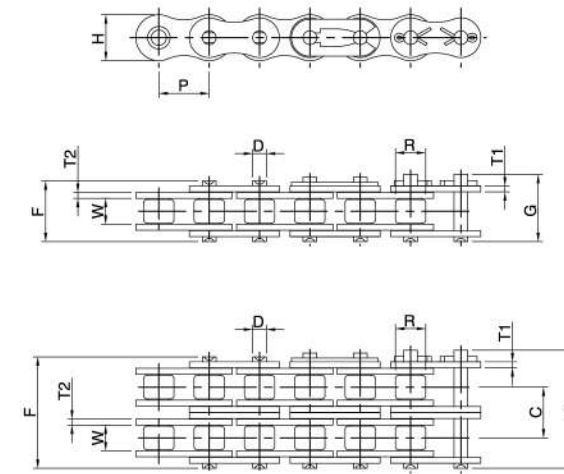
CHAIN NO.	Pitch		Width W (min)	Roller Dia R(max)	Plate Height H(max)	Plate Thickness		Pin			Allowable Load kgf(max)	Approx Weight kg/m
	P					T1	T2	Dia D(max)	Length			
	inch	mm	F(max)	G(max)								
25SS	1/4"	6.35	3.10	3.30	6.02	0.75	0.75	2.31	9.1	11.6	12	0.13
35SS	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.60	13.2	16.5	27	0.34
40SS	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	45	0.61
50SS	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	70	1.03
60SS	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	105	1.48
80SS	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	180	2.58
100SS	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	260	3.86
120SS	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	50.8	57.4	390	5.70
C2040SS	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	17.8	21.7	45	0.50
C2042SS	1"	25.40	7.85	15.88	12.0	1.50	1.50	3.98	17.8	21.7	45	0.84
A2040SS	1"	25.40	7.85	7.92	12.0	1.50	1.50	3.98	17.8	21.7	45	0.41
C2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	21.8	25.9	70	0.80
C2052SS	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.09	21.8	25.9	70	1.26
A2050SS	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.09	21.8	25.9	70	0.65
C2060HSS	1-1/2"	38.10	12.57	11.91	18.0	3.20	3.20	5.96	30.2	34.8	105	1.37
C2062HSS	1-1/2"	38.10	12.57	22.23	18.0	3.20	3.20	5.96	30.2	34.8	105	2.07
C2080HSS	2"	50.80	15.75	15.88	24.1	4.00	4.00	7.94	37.4	42.8	180	2.38
C2082HSS	2"	50.80	15.75	28.58	24.1	4.00	4.00	7.94	37.4	42.8	180	3.39
C2100HSS	2-1/2"	63.50	18.90	19.05	30.1	4.80	4.80	9.54	44.5	50.6	275	3.56
C2102HSS	2-1/2"	63.50	18.90	39.67	30.1	4.80	4.80	9.54	44.5	50.6	275	5.70
05BSS	0.315"	8.00	3.00	5.00	7.11	0.75	0.75	2.31	8.6	11.7	11	0.15
06BSS	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	13.5	16.8	26	0.39
08BSS	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	17.0	20.9	50	0.66
10BSS	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	67	0.92
12BSS	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	90	1.26
16BSS	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	210	2.74
20BSS	1.25"	31.75	19.56	19.05	26.42	3.50	4.50	10.19	43.2	49.3	295	3.93
24BSS	1.5"	38.10	25.40	25.40	33.40	5.20	6.00	14.63	53.4	60.0	550	7.32
40FSS	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	45	0.68
50FSS	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	70	1.16
60FSS	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	105	1.69
80FSS	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	180	2.95

Self-Lube Chain ● NSL Available Parts list



CHAIN NO.	SC CL	CP CL	O/L	A1	SA1	WA2	WSA2	D1	D3
40NSL	O	x	x	Pin Link	Pin Link	Pin Link	Pin Link	O	O
50NSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
60NSL	O	x	x	Pin Link	Pin Link	Pin Link	Pin Link	O	O
80NSL	O	O	x	Pin Link	Pin Link	Pin Link	Pin Link	O	O
100NSL	x	O	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
120NSL	x	O	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
08BNSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
10BNSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
12BNSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
16BNSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
12BFNSL	O	x	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O

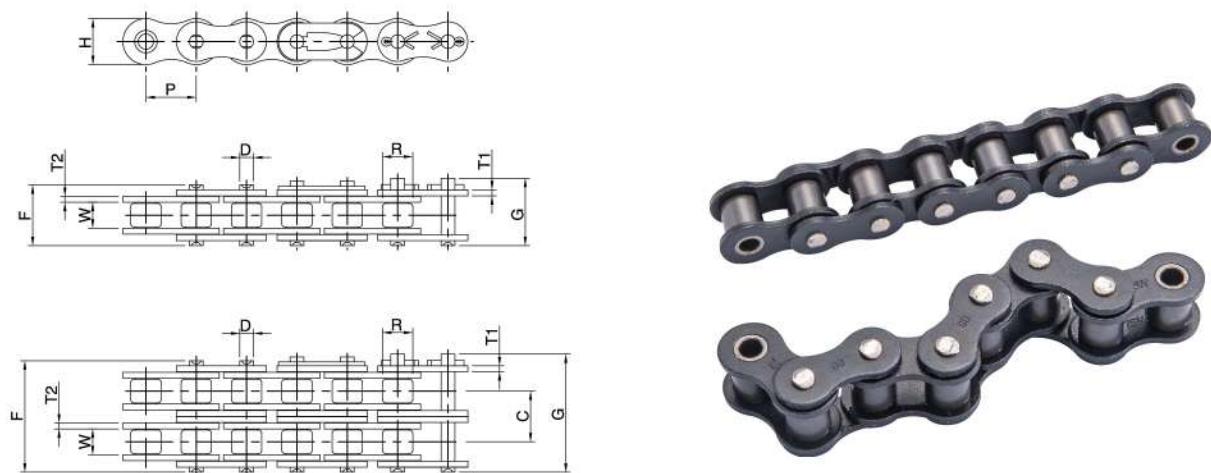
Self-Lube Chain ● NSL-Roller Chain (FG)



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Transverse	Ultimate Strength kgf(ave.)	Approx Weight kg/m	Max Recommended Operating Speed m/min	
	P		W	Dia	Height	Thickness	Dia	Length		Pitch				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)				C
40NSL(FG)	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.98	17.8	21.7	---	1850	0.62	150
40NSL-2(FG)	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.98	32.3	36.2	14.40	3700	1.22	150
50NSL(FG)	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	---	3100	1.02	135
50NSL-2(FG)	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	39.9	44.0	18.10	6200	2.02	135
60NSL(FG)	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	---	4300	1.47	120
60NSL-2(FG)	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	49.8	54.4	22.80	8600	2.91	120
80NSL(FG)	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	---	7700	2.60	90
80NSL-2(FG)	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	62.7	68.1	29.30	15400	5.15	90
100NSL(FG)	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	---	11500	3.98	80
100NSL-2(FG)	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	77.0	83.1	35.80	23000	7.87	80
120NSL(FG)	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	50.8	57.4	---	15000	5.71	50
120NSL-2(FG)	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	96.3	102.9	45.40	30000	11.31	50
08BNSL(FG)	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	17.0	20.9	---	1900	0.69	150
08BNSL-2(FG)	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	31.0	34.9	13.92	3400	1.34	150
10BNSL(FG)	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	---	2600	0.91	135
10BNSL-2(FG)	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	36.2	40.3	16.59	5200	1.79	135
12BNSL(FG)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	3200	1.24	120
12BNSL-2(FG)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.45	120
16BNSL(FG)	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	---	7400	2.73	90
16BNSL-2(FG)	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	68.0	73.4	31.88	14800	5.40	90

- Two versions of NSL Roller Chain (Suffix):
  - FG (standard): utilizes NSF H1 approved oil impregnated bush, temperature range -10 °C ~ 145 °C
  - FGH (optional): utilizes NSF H1 approved oil impregnated bush, temperature range -20 °C ~ 220 °C
- NSL Roller Chain utilizes nickel plating pins & black oxide plates. Other optional corrosion resistant available at request.
- Supply cotter type conn link at 80, 100 & 120; spring clip type conn link for other sizes.

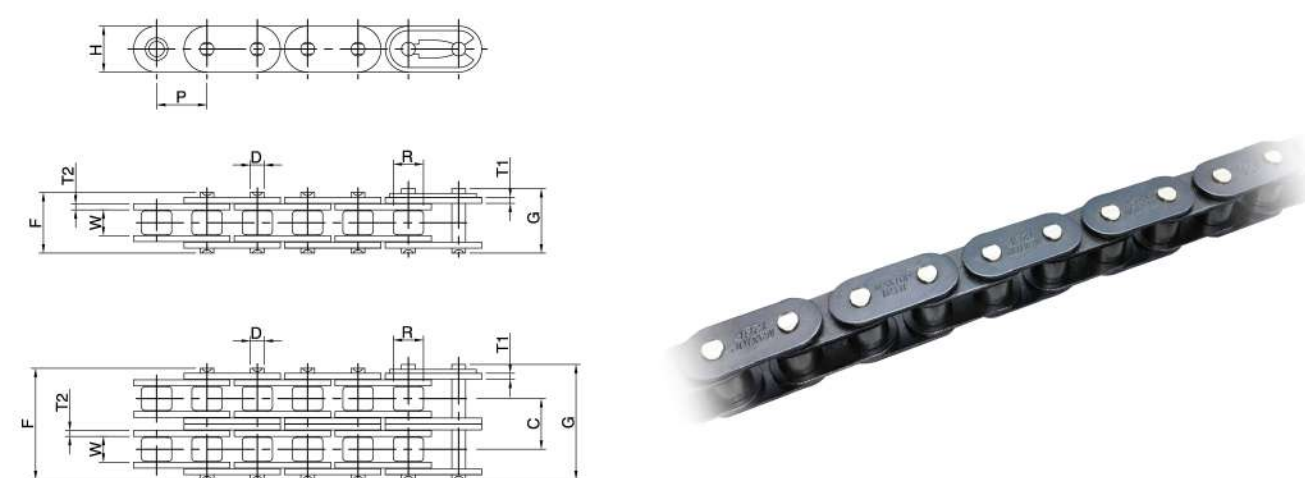
## Self-Lube Chain ● NSL-Roller Chain (FGH)



CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Transverse	Ultimate Strength kgf(ave.)	Approx Weight kg/m	Max Recommended Operating Speed m/min
	P		W	Dia	Height	Thickness	Dia	Length		Pitch				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	C			
40NSL(FGH)	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.98	17.8	21.7	---	1850	0.62	150
40NSL-2(FGH)	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.98	32.3	36.2	14.40	3700	1.22	150
50NSL(FGH)	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	---	3100	1.02	135
50NSL-2(FGH)	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	39.9	44.0	18.10	6200	2.02	135
60NSL(FGH)	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	---	4300	1.47	120
60NSL-2(FGH)	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	49.8	54.4	22.80	8600	2.91	120
80NSL(FGH)	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	---	7700	2.60	90
80NSL-2(FGH)	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	62.7	68.1	29.30	15400	5.15	90
100NSL(FGH)	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	---	11500	3.98	80
100NSL-2(FGH)	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	77.0	83.1	35.80	23000	7.87	80
120NSL(FGH)	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	50.8	57.4	---	15000	5.71	50
120NSL-2(FGH)	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	96.3	102.9	45.40	30000	11.31	50
08BNSL(FGH)	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	17.0	20.9	---	1900	0.69	150
08BNSL-2(FGH)	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	31.0	34.9	13.92	3400	1.34	150
10BNSL(FGH)	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	---	2600	0.91	135
10BNSL-2(FGH)	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	36.2	40.3	16.59	5200	1.79	135
12BNSL(FGH)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	3200	1.24	120
12BNSL-2(FGH)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.45	120
16BNSL(FGH)	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	---	7400	2.73	90
16BNSL-2(FGH)	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	68.0	73.4	31.88	14800	5.40	90

- Two versions of NSL Roller Chain (Suffix):
  - FG (standard): utilizes NSF H1 approved oil impregnated bush, temperature range -10°C ~ 145°C
  - FGH (optional): utilizes NSF H1 approved oil impregnated bush, temperature range -20°C ~ 220°C
- NSL Roller Chain utilizes nickel plating pins & black oxide plates. Other optional corrosion resistant available at request.
- Supply cotter type conn link at 80, 100 & 120; spring clip type conn link for other sizes.

## Self-Lube Chain ● NSL-Roller Straight Link Plate Chain



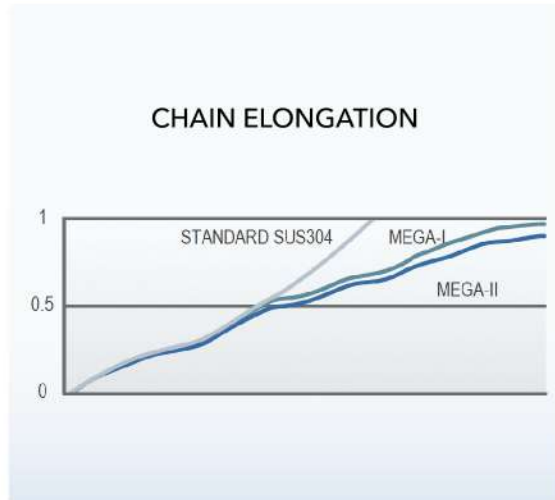
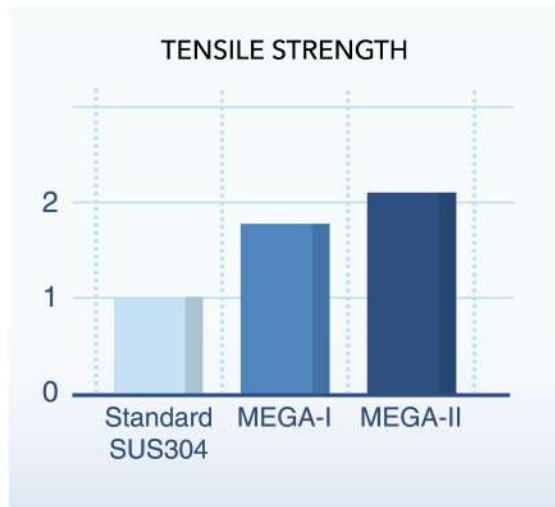
CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Transverse	Ultimate Strength kgf(ave.)	Approx Weight kg/m	Max Recommended Operating Speed m/min
	P		W	Dia	Height	Thickness	Dia	Length		Pitch				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	C			
12BFNSL(FG)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	3200	1.30	120
12BFNSL-2(FG)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.57	120
12BFNSL(FGH)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	---	3200	1.30	120
12BFNSL-2(FGH)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.57	120

- Two versions of NSL Roller Chain (Suffix):
  - FG (standard): utilizes NSF H1 approved oil impregnated bush, temperature range -10°C ~ 145°C
  - FGH (optional): utilizes NSF H1 approved oil impregnated bush, temperature range -20°C ~ 220°C
- NSL Roller Chain utilizes nickel plating pins & black oxide plates. Other optional corrosion resistant available at request.
- Spring clip type conn link is available to offer.



Mega Chains ● Mega Chain II

CHANGING FOR THE BETTER!



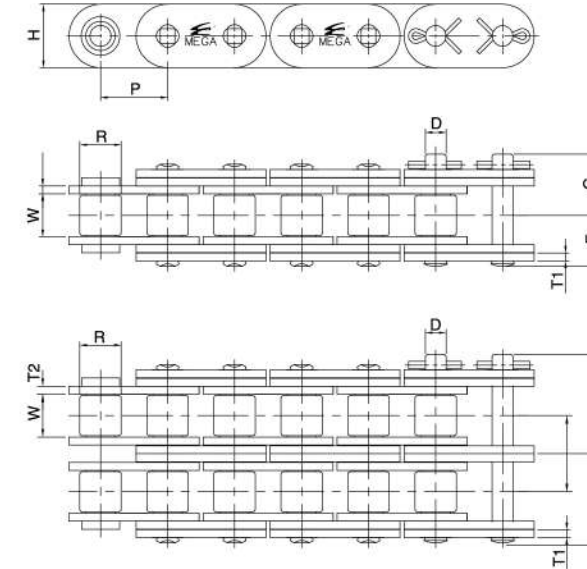
Feature

The first generation specially designed chain increases the chain bearing areas, effectively improving the strength and service life. In order to facilitate chain cleaning and maintenance, the second generation design modified the outer plate in order to reduce the amount of corrosive substances that could be hidden in the original cap design.

Advantage

Eliminate chain breakage caused by high loading. Increase chain life by 50% over ordinary stainless steel chains.

Mega Chains ● Mega Chain II



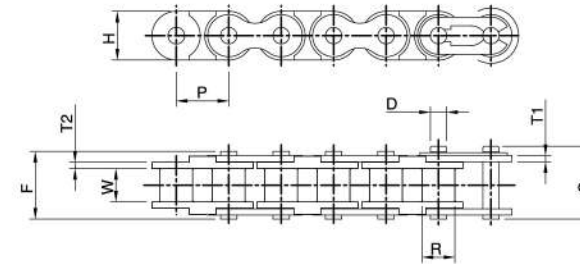
CHAIN NO.	Pitch		Width W (min)	Roller		Links		Pin			Transverse Pitch C	Max Allowable Load kgf
	P			Dia R	Height H	Thickness		Dia D	Length			
	inch	mm	T1			T2	F		G			
MEGAI140SS	1/2"	12.70	7.85	7.92	12.00	1.50	1.50	3.96	9.65	11.55	---	80
MEGAI140-2SS	1/2"	12.70	7.85	7.92	12.00	1.50	1.50	3.96	16.85	18.75	14.40	120
MEGAI150SS	5/8"	15.875	9.40	10.16	15.00	2.00	2.00	5.06	12.15	14.25	---	130
MEGAI150-2SS	5/8"	15.875	9.40	10.16	15.00	2.00	2.00	5.06	21.20	23.30	18.10	210
MEGAI160SS	3/4"	19.05	12.57	11.91	18.10	2.35	2.35	5.94	15.15	17.45	---	180
MEGAI160-2SS	3/4"	19.05	12.57	11.91	18.10	2.35	2.35	5.94	26.55	28.85	22.80	310
MEGAI180SS	1"	25.40	15.75	15.88	24.00	3.00	3.00	7.94	19.30	21.95	---	320
MEGAI180-2SS	1"	25.40	15.75	15.88	24.00	3.00	3.00	7.94	33.95	36.60	29.30	540
MEGAI108BSS	1/2"	12.70	7.75	8.51	11.81	1.50	1.50	4.44	9.70	11.55	---	90
MEGAI108B-2SS	1/2"	12.70	7.75	8.51	11.81	1.50	1.50	4.44	16.65	18.50	13.92	140
MEGAI110BSS	5/8"	15.875	9.40	10.16	15.00	2.00	2.00	5.06	12.15	14.25	---	130
MEGAI112BSS	3/4"	19.05	11.68	12.07	16.00	1.80	1.80	5.67	13.00	15.30	---	155
MEGAI112B-2SS	3/4"	19.05	11.68	12.07	16.00	1.80	1.80	5.67	22.75	25.00	19.46	260
MEGAI116BSS	1"	25.40	17.02	15.88	24.00	3.15	3.00	8.28	19.95	22.35	---	330
MEGAI116B-2SS	1"	25.40	17.02	15.88	24.00	3.15	3.00	8.28	35.89	38.29	31.88	560

MEGAI110BSS CHAIN HAS SAME SPECIFICATION AS MEGAI150SS CHAIN

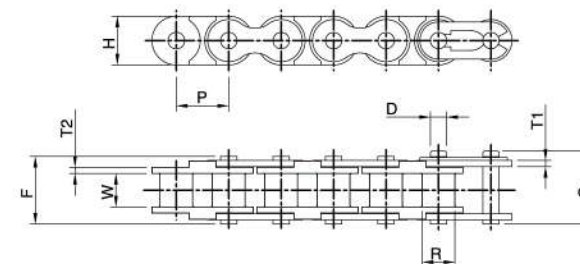
# COMPOSITE MATERIAL CHAINS



## Poly-Steel Chain



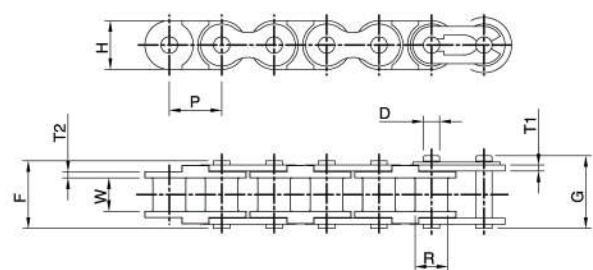
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	Approx Weight kg/m	
	P		W	Dia	Thickness		Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
SS25PC	1/4"	6.35	3.10	3.30	6.02	0.75	1.30	2.31	9.1	11.6	8	0.095
SS35PC	3/8"	9.525	4.68	5.08	9.05	1.25	2.20	3.60	13.65	16.5	18	0.22
SS40PC	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	45	0.39
SS50PC	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	70	0.58
SS60PC	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	90	0.82



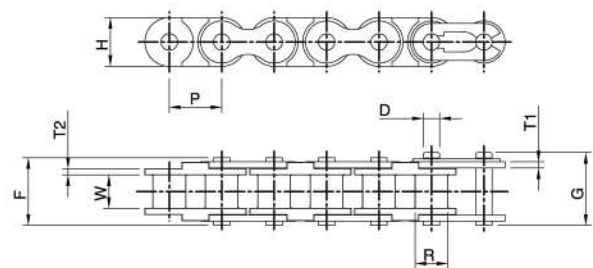
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	Approx Weight kg/m	
	P		W	Dia	Thickness		Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
SS06BPC	0.375"	9.525	5.72	6.35	8.60	1.00	1.30	3.28	13.5	16.8	20	0.22
SS08BPC	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	17.0	20.9	47	0.37
SS10BPC	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	54	0.51
SS12BPC	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	71	0.68

This chain is with a construction of outer links(outer plates and pins) made of SUS304, and inner links made of engineered plastic.

## Poly-Steel Chain (FG)



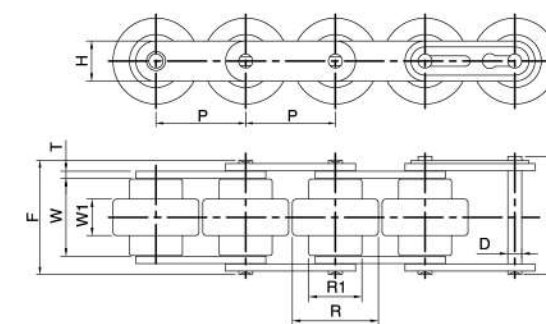
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
SS25PC(FG)	1/4"	6.35	3.10	3.30	6.02	0.75	1.30	2.31	9.1	11.6	8	0.095
SS35PC(FG)	3/8"	9.525	4.68	5.08	9.05	1.25	2.20	3.60	13.2	16.5	18	0.22
SS40PC(FG)	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	17.8	21.7	45	0.39
SS50PC(FG)	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	70	0.58
SS60PC(FG)	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	90	0.82



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Allowable Load kgf(max)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
SS06BPC(FG)	0.375"	9.525	5.72	6.35	8.60	1.00	1.30	3.28	13.5	16.8	20	0.22
SS08BPC(FG)	0.5"	12.70	7.75	8.51	11.81	1.50	1.50	4.45	17.0	20.9	47	0.37
SS10BPC(FG)	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	54	0.51
SS12BPC(FG)	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	71	0.68

Food grade(FG). FDA approved blue plastic material is available at request  
 This chain is with a construction of outer links(outer plates and pins) made of SUS304, and inner links made of engineered plastic.

## Double-Plus Chain



### WITH POLY BUSH

CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Average Ultimate Strength kgf	Approx Weight kg/m	
	P		W	Height	Dia	Height	Thick.	Dia	Length				
	inch	mm	mm	W1	R	R1	H(max)	T	D(max)	F			G
C2040PNB-JDS	1"	25.40	22.20	10.30	24.60	15.88	12.0	1.50	3.98	31.2	32.9	1750	0.75
C2050PNB-JDS ★	1.25"	31.75	27.40	12.60	30.60	19.05	15.0	2.00	5.09	39.2	40.7	2800	1.16
C2060HPNB-TDS	1.50"	38.10	40.60	20.00	37.00	17.80	15.0	3.20	5.96	56.8	58.35	4100	1.69
C2060HPNB-JDS	1.50"	38.10	33.10	15.50	36.50	22.50	18.0	3.20	5.96	49.3	50.85	4100	1.99
C2060SSPNB-TDS	1.50"	38.10	40.60	20.00	37.00	17.80	15.0	2.40	5.96	53.9	55.45	---	1.48
* C2040PNB-JDS-C	1"	25.40	22.40	10.30	24.60	15.88	12.0	1.50	3.98	31.2	32.9	1750	0.75
* C2050PNB-JDS-C ★	1.25"	31.75	27.60	12.60	30.60	19.05	15.0	2.00	5.09	39.2	40.7	2800	1.17
* C2060HPNB-TDS-C	1.50"	38.10	40.95	20.00	37.00	17.80	15.0	3.20	5.96	56.8	58.35	4100	1.72
* C2060HPNB-JDS-C	1.50"	38.10	33.35	15.50	36.50	22.50	18.0	3.20	5.96	49.3	50.85	4100	1.91

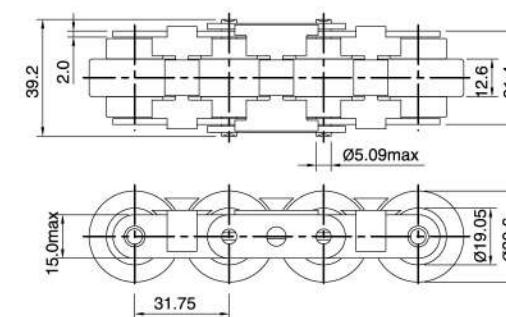
\* Electro-conductive type

### WITH SOLID BUSH

CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Average Ultimate Strength kgf	Approx Weight kg/m	
	P		W	Height	Dia	Height	Thick.	Dia	Length				
	inch	mm	mm	W1	R	R1	H(max)	T	D(max)	F			G
C2050SBR-L-JDS ★	1.25"	31.75	27.40	12.60	30.60	19.05	15.0	2.00	5.09	39.2	40.7	3000	1.43
C2060HSBR-L-TDS	1.50"	38.10	40.60	20.00	37.00	17.80	15.0	3.20	5.96	56.8	58.35	4200	1.89
C2060HSBR-L-JDS	1.50"	38.10	33.10	15.50	36.50	22.50	18.0	3.20	5.96	49.3	50.85	4200	2.04

Electro-conductive Type Big Center Roller available at request.

★ Dust cover top available at size C2050 at request.

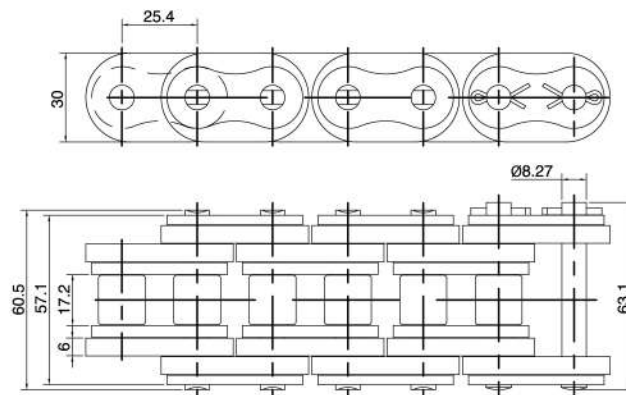


### DUST COVER

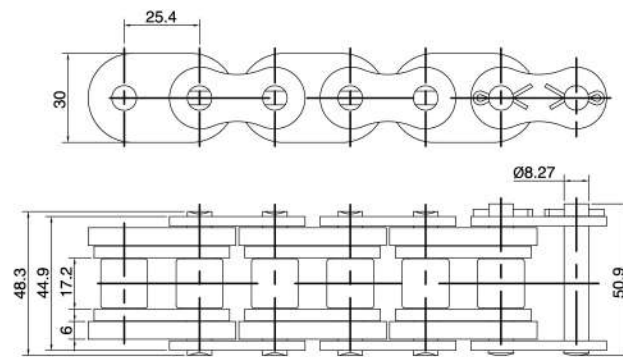
Dust cover has been developed to prevent small objects, such as screws and chips, from jamming the conveyor line.  
 This is currently available at size C2050PNB-JDS & C2050PNB-JDS-C & C2050SBR-L-JDS (Patented: M279422)

## ● NON-Marking Chain

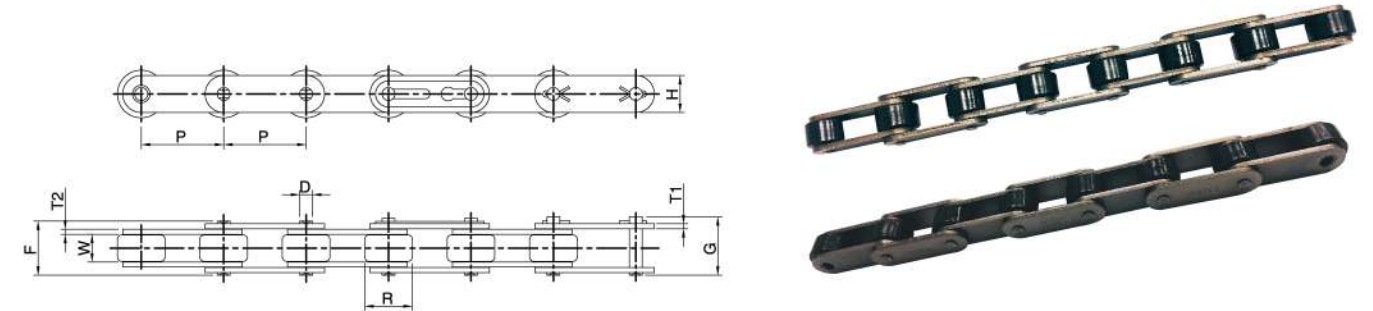
16B\_M-JLP-EL



16B\_M-JLP-E2LR



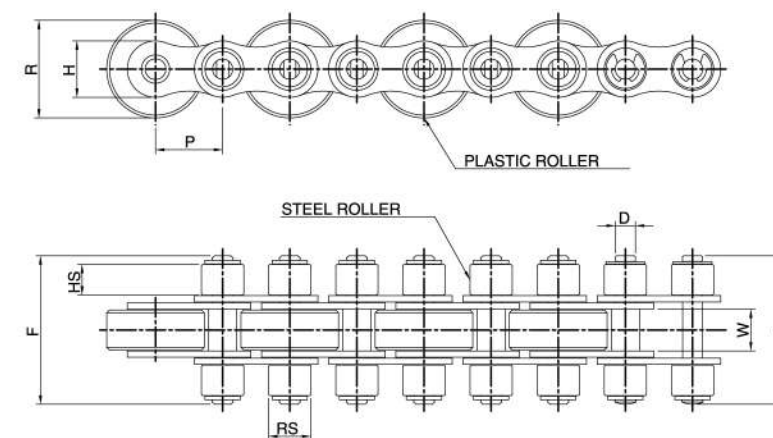
## ● Plastic Roller Chain



CHAIN NO.	Pitch		Width	Roller		Plate		Pin			Approx Weight kg/m
	P		W	Dia	Height	Thickness		Dia	Length		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	
C2042_EP	1"	25.40	7.85	15.88	12.0	1.50	1.50	3.98	17.8	21.7	0.49
C2052_EP	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.09	21.8	25.9	0.80
C2062H_EP	1-1/2"	38.10	12.57	22.23	18.0	3.20	3.20	5.96	30.2	34.8	1.40
C2082H_EP	2"	50.80	15.75	28.58	24.1	4.00	4.00	7.94	37.4	42.8	2.26

EP: Plastic roller, out of material POM90, color black.

## ● 12B OSR EL/EP E2L

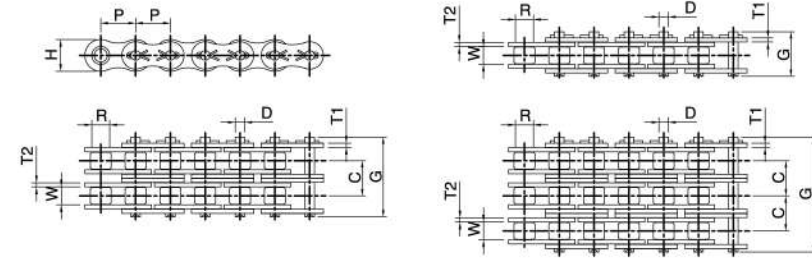


CHAIN NO.	Pitch		Width	Roller			Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Height	Thickness	Dia	Length					
	inch	mm	(min)	R	RS	HS	H(max)	T1	T2	D(max)	F(max)			G(max)
12B_OS-EL/EP-E2L	3/4"	19.05	11.68	28.0	12.0	8.6	16.13	1.80	1.80	5.72	42.45	43.4	2949	2.27

# SPECIAL CHAINS

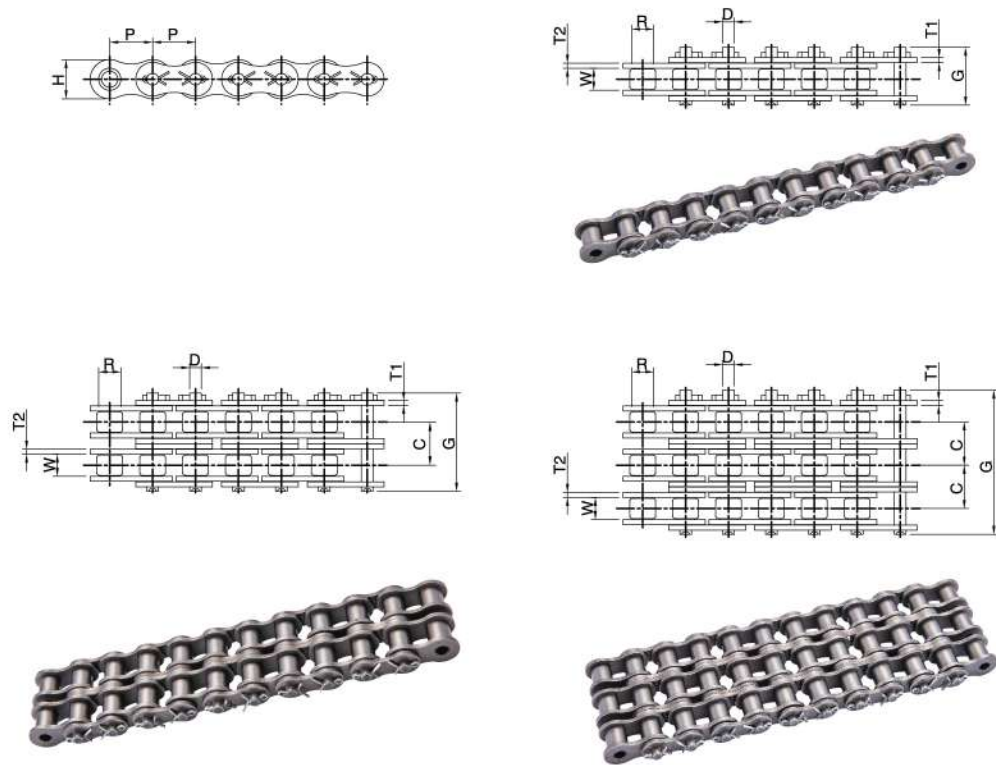


## Cotter Type Chain



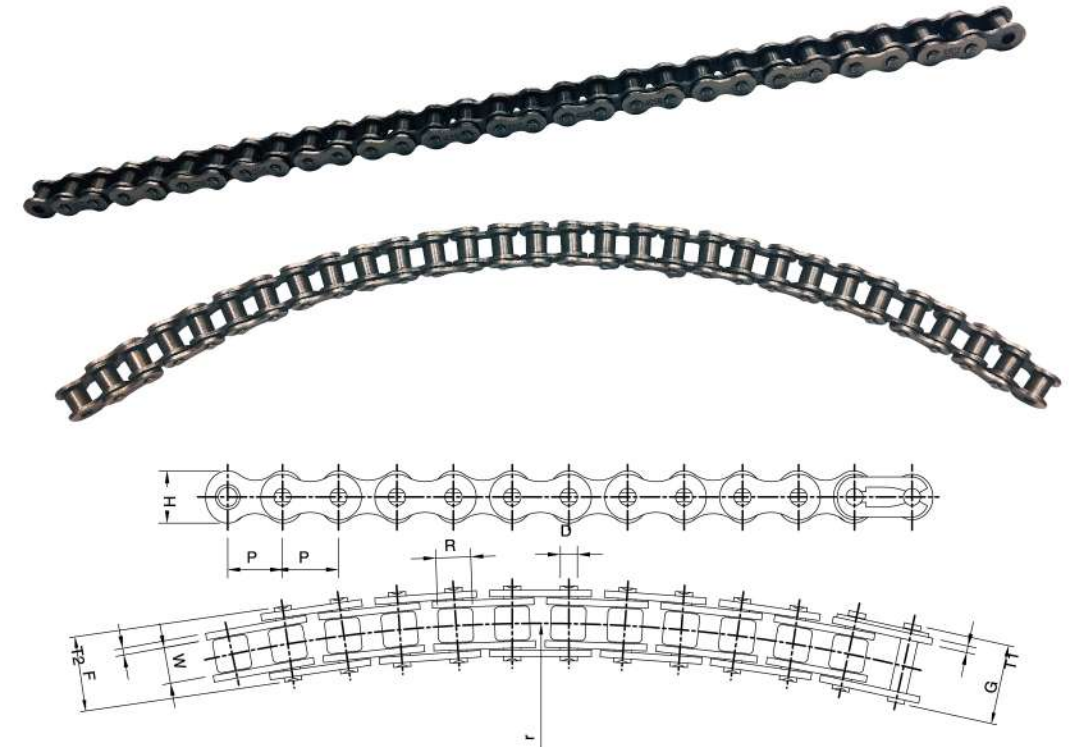
CHAIN NO.	Pitch		Width W (min)	Roller Dia R(max)	Plate Height H(max)	Plate Thickness		Pin		Transverse Pitch C	Ultimate Strength kgf(min)	Approx Weight kg/m
	P					T1	T2	Dia D(max)	Length G(max)			
	inch	mm										
50CP	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	25.9	---	2224	1.01
50-2CP	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	44.0	18.10	4449	2.04
50-3CP	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	62.0	18.10	6673	3.05
50HCP	5/8"	15.875	9.40	10.16	15.09	2.40	2.40	5.09	27.5	---	2224	1.12
50H-2CP	5/8"	15.875	9.40	10.16	15.09	2.40	2.40	5.09	47.2	19.70	4449	2.25
60CP	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	31.5	---	3194	1.44
60-2CP	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	54.4	22.80	6388	3.03
60-3CP	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	77.2	22.80	9582	4.50
60HCP	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	34.8	---	3194	1.81
60H-2CP	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	60.9	26.10	6388	3.68
60H-3CP	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	40.20	26.10	9582	5.20
80CP	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	38.9	---	5673	2.40
80-2CP	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	68.1	29.30	11347	5.26
80-3CP	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	97.3	29.30	17020	7.80
80HCP	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	42.8	---	5673	2.95
80H-2CP	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	75.4	32.60	11347	5.92
80H-3CP	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	108.0	32.60	17020	8.41
100CP	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	47.2	---	8878	3.74
100-2CP	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	83.1	35.80	17755	7.51
100-3CP	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	119.1	35.80	26633	11.20
100HCP	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	50.6	---	8878	4.45
100H-2CP	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	89.7	39.10	17755	8.34
100H-3CP	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	128.8	39.10	26633	12.72
120CP	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	57.4	---	12755	6.18
120-2CP	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	102.9	45.40	25510	12.25
120-3CP	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	148.3	45.40	38265	18.30
120HCP	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	61.6	---	12755	6.78
120H-2CP	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	110.5	48.90	25510	13.45
120H-3CP	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	159.4	48.90	38265	20.13
140CP	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	62.3	---	17347	7.49
140-2CP	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	111.0	48.90	34694	14.83
140-3CP	1-3/4"	44.45	25.22	25.40	42.23	5.60	5.60	12.71	159.8	48.90	52041	22.20
140HCP	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	66.4	---	17347	8.12
140H-2CP	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	118.6	52.20	34694	16.10
140H-3CP	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	170.8	52.20	52041	24.02

## Cotter Type Chain



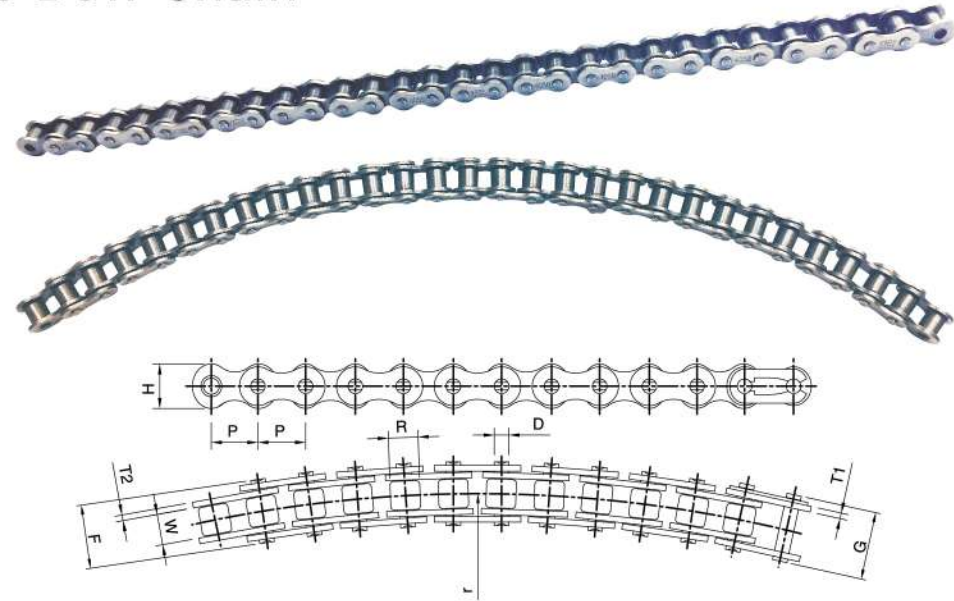
CHAIN NO.	Pitch		Width	Roller	Plate		Pin		Transverse Pitch	Ultimate Strength	Approx Weight	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)				G(max)
160CP	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	73.4	---	22755	10.10
160-2CP	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	132.1	58.50	45510	20.04
160-3CP	2"	50.80	31.55	28.58	48.26	6.40	6.40	14.29	190.8	58.50	68265	30.02
160HCP	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	77.3	---	22755	10.87
160H-2CP	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	139.2	61.90	45510	20.85
160H-3CP	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	201.1	61.90	68265	30.83
180CP	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	83.0	---	28673	13.40
180-2CP	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	149.1	65.84	57347	26.20
180-3CP	2-1/4"	57.15	35.48	35.71	54.30	7.10	7.10	17.46	215.1	65.84	86020	38.10
180HCP	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	86.4	---	28673	15.20
180H-2CP	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	155.6	69.20	57347	30.10
180H-3CP	2-1/4"	57.15	35.48	35.71	54.30	8.00	8.00	17.46	224.8	69.20	86020	45.00
200CP	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	90.5	---	35408	16.50
200-2CP	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	162.1	71.60	70816	32.70
200-3CP	2-1/2"	63.50	37.85	39.68	60.33	8.00	8.00	19.85	233.7	71.60	106224	49.05
200HCP	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	97.3	---	35408	17.80
200H-2CP	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	175.6	78.30	70816	35.20
200H-3CP	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	253.9	78.30	106224	52.50
240CP	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	106.0	---	51020	24.20
240-2CP	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	193.9	87.80	102041	47.80
240-3CP	3"	76.20	47.35	47.63	72.40	9.50	9.50	23.81	281.8	87.80	153061	71.10

## Side-Bow Chain

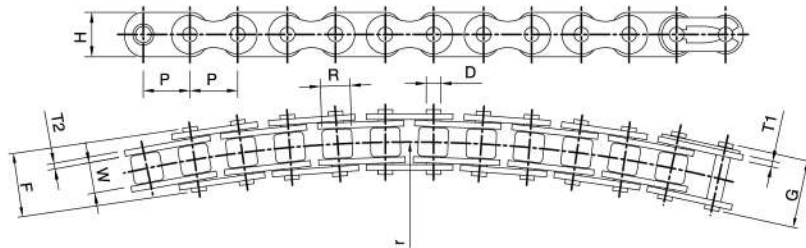


CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Curve	Ultimate	Approx	
	P		W	Dia	Height	Thickness	Dia	Length		Radius	Strength	Weight	
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	r(min)	kgf(ave.)	kg/m
35SB	3/8"	9.525	4.68	5.08	9.05	1.25	1.25	3.28	12.2	14.0	254	900	0.32
40SB	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	16.9	18.9	350	1600	0.60
40NSB	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.60	16.9	18.9	320	1300	0.5
50SB	5/8"	15.875	9.42	10.16	15.09	2.00	2.00	4.45	21.0	22.5	400	1700	0.99
603SB	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.06	25.9	27.5	400	2700	1.46
60SB	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.06	25.9	27.5	400	2700	1.40
08BSB	1/2"	12.70	7.75	8.51	11.81	1.50	1.50	3.98	16.9	18.9	350	1600	0.63

## Side-Bow Chain



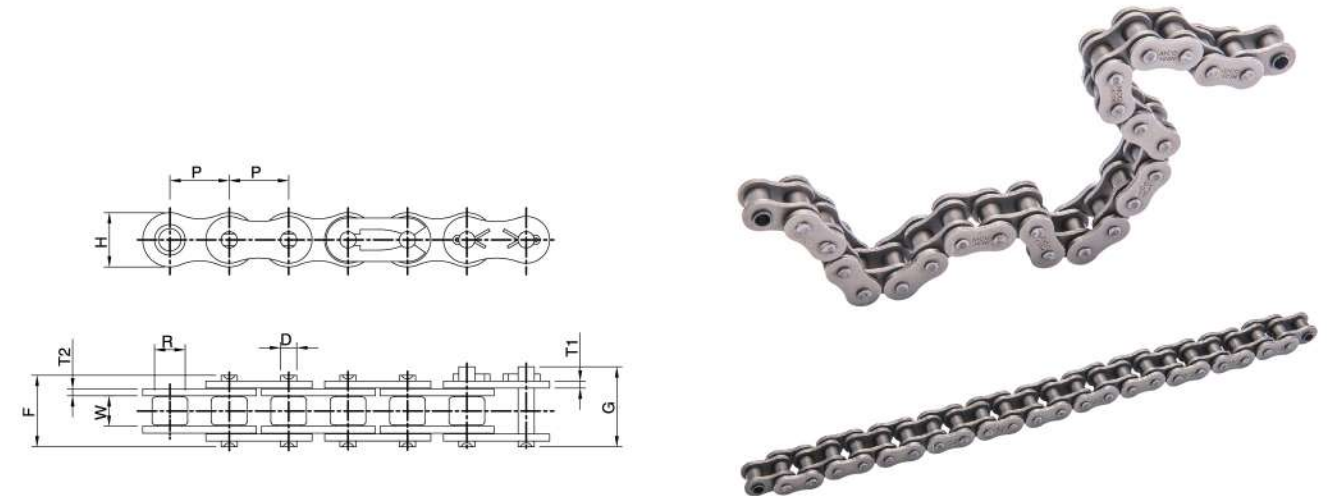
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Curve	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length		Radius		
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)		r(min)
50SBSS	5/8"	15.875	9.42	10.16	15.09	2.00	2.00	4.45	21.0	22.5	400	0.99
08BSBSS	1/2"	12.70	7.75	8.51	11.81	1.50	1.50	3.98	16.9	18.9	350	0.63



63SB chain is designed with specially extended pins to hold plastic flights, to make a side-flexing table chain.

CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Curve	Ultimate Strength kgf(ave.)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length		Radius			
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)			r(min)
63SB	3/4"	19.05	12.57	11.91	18.10	2.00	2.40	5.06	28.9	28.9	400	2700	1.39
63SBSS	3/4"	19.05	12.57	11.91	18.10	2.00	2.40	5.06	28.9	28.9	400	---	1.39

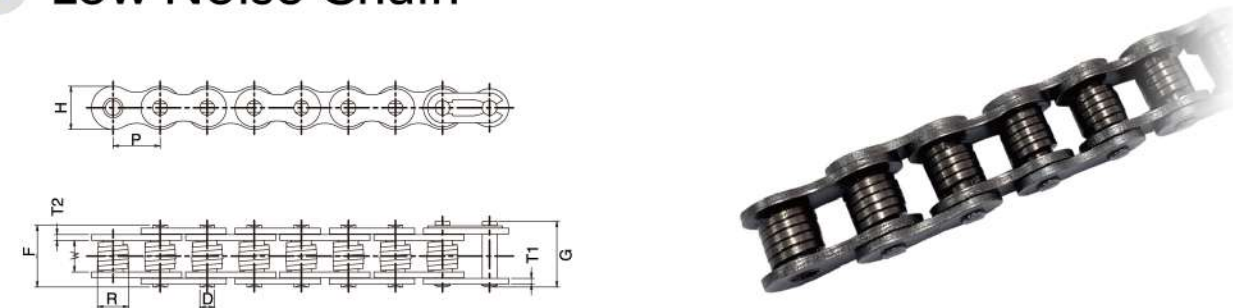
## HIGH-Strength Chain



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(ave.)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
60HV	3/4"	19.05	12.57	11.91	18.10	3.20	3.20	5.96	30.2	34.8	5100	1.81
80HV	1"	25.40	15.75	15.88	24.13	4.00	4.00	7.94	37.4	42.8	9000	2.95
100HV	1-1/4"	31.75	18.90	19.05	30.17	4.80	4.80	9.54	44.5	50.6	13000	4.45
120HV	1-1/2"	38.10	25.22	22.23	36.20	5.60	5.60	11.11	55.0	61.6	17500	6.78
140HV	1-3/4"	44.45	25.22	25.40	42.23	6.40	6.40	12.71	59.0	66.4	25000	8.12
160HV	2"	50.80	31.55	28.58	48.26	7.10	7.10	14.29	69.4	77.3	30000	10.87
200HV	2-1/2"	63.50	37.85	39.68	60.33	9.50	9.50	19.85	87.1	97.3	51000	18.29

V:Through hardened pins

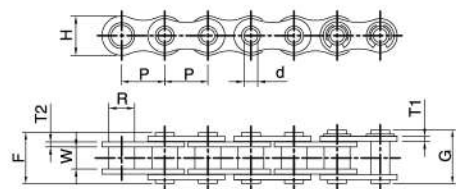
## Low Noise Chain



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
60SBR_SN	3/4"	19.05	12.57	12.60	18.10	2.40	2.40	5.96	26.9	31.5	3194	1.44

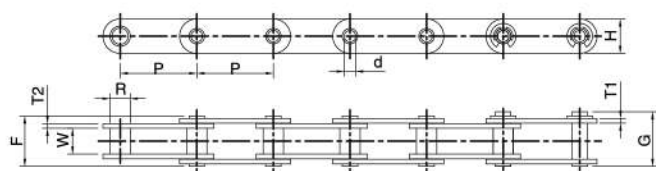
Maximum recommended operation speed: 200M/min

## Hollow-Pin Chain



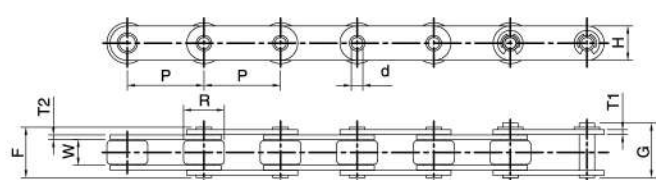
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	d(min)	F(max)			G(max)
40HP	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	4.00	16.76	20.66	794	0.5
50HP	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.12	20.83	24.93	1135	0.8
60HP	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.98	25.91	30.51	2315	1.18
80HP	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.96	33.02	38.42	4176	2.10
08BHP	1/2"	12.70	7.75	8.51	11.81	1.50	1.50	4.50	16.5	17.6	1000	0.63

HP chain standard is rollerless, R indicates bushing diameter.



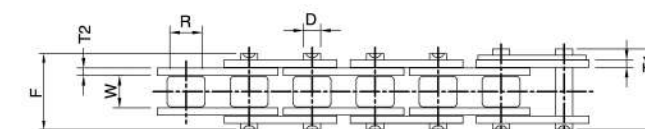
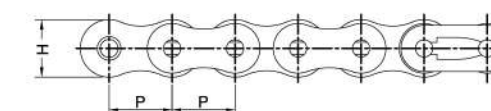
CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	d(min)	F(max)			G(max)
C2040HP	1"	25.40	7.85	7.92	12.0	1.50	1.50	4.00	16.76	20.66	794	0.45
C2050HP	1-1/4"	31.75	9.40	10.16	15.0	2.00	2.00	5.12	20.83	24.93	1135	0.74
C2060HP	1-1/2"	38.10	12.57	11.91	18.0	2.40	2.40	5.98	25.91	30.51	2315	1.10
C2080HP	2"	50.80	15.75	15.88	24.1	3.20	3.20	7.96	33.02	38.42	4176	1.95

HP chain standard is rollerless, R indicates bushing diameter.



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	d(min)	F(max)			G(max)
C2042HP	1"	25.40	7.85	15.88	12.0	1.50	1.50	4.00	16.76	20.66	794	0.78
C2052HP	1-1/4"	31.75	9.40	19.05	15.0	2.00	2.00	5.12	20.83	24.93	1135	1.23
C2062HP	1-1/2"	38.10	12.57	22.23	18.0	2.40	2.40	5.98	25.91	30.51	2315	1.76
C2082HP	2"	50.80	15.75	28.58	24.1	3.20	3.20	7.96	33.02	38.42	4176	3.14

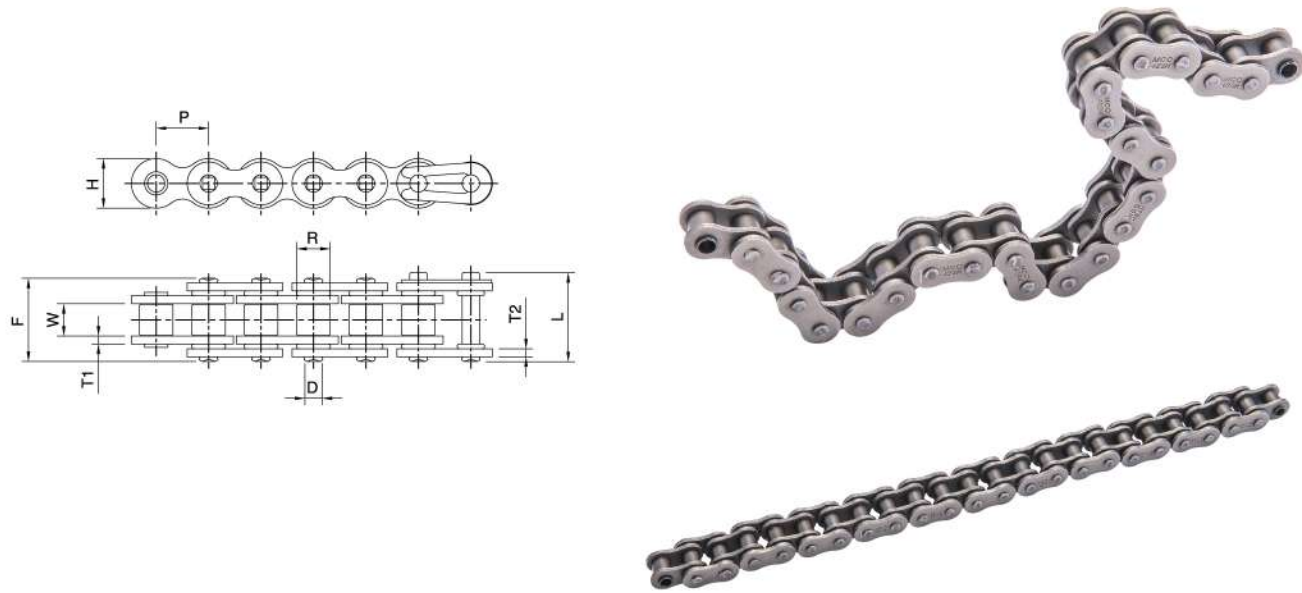
## Motorcycle Chain



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength kgf(min)	Approx Weight kg/m	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			G(max)
25	1/4"	6.35	3.10	3.30	6.02	0.75	0.75	2.31	9.1	10.6	357	0.14
25-2	1/4"	6.35	3.10	3.30	6.02	0.75	0.75	2.31	15.5	17.0	714	0.26
25H	1/4"	6.35	3.10	3.30	6.02	1.00	1.00	2.31	9.1	10.6	490	0.16
25FH	1/4"	6.35	3.10	3.30	6.02	1.00	1.00	2.31	9.1	10.6	490	0.17
25FH SP	1/4"	6.35	3.10	3.30	6.02	0.80	1.00	2.31	9.1	---	490	0.16
415H	1/2"	12.70	4.68	7.77	12.00	1.50	1.50	3.97	13.3	14.5	1592	0.55
420	1/2"	12.70	6.25	7.77	12.00	1.50	1.50	3.97	14.8	16.4	1592	0.61
420H	1/2"	12.70	6.25	7.77	12.00	1.80	1.80	3.97	16.0	17.4	1592	0.66
428	1/2"	12.70	7.75	8.51	12.00	1.60	1.60	4.45	16.8	19.0	1704	0.70
428H	1/2"	12.70	7.85	8.51	12.50	1.80	1.80	4.45	18.9	21.05	1816	0.87
428SH	1/2"	12.70	7.85	8.51	12.50	2.00	2.00	4.45	19.0	20.3	2092	0.90
520	5/8"	15.875	6.25	10.16	15.10	2.00	2.00	5.09	17.7	19.7	2702	0.93
520H	5/8"	15.875	6.25	10.16	15.10	2.40	2.40	5.24	19.2	20.5	3112	1.06
525	5/8"	15.875	7.85	10.16	15.10	2.00	2.00	5.09	19.4	20.9	2702	0.97
525H	5/8"	15.875	7.85	10.16	15.10	2.40	2.40	5.24	21.0	22.2	3112	1.04
530	5/8"	15.875	9.40	10.16	15.10	2.00	2.00	5.09	20.9	22.35	2702	1.04
530H	5/8"	15.875	9.40	10.16	15.10	2.40	2.40	5.09	22.5	24.0	2702	1.18
630	3/4"	19.05	9.40	11.91	18.10	2.40	2.40	5.96	23.2	25.1	3602	1.55
630H	3/4"	19.05	9.40	11.91	18.10	3.20	3.20	5.96	26.2	27.7	3602	1.91



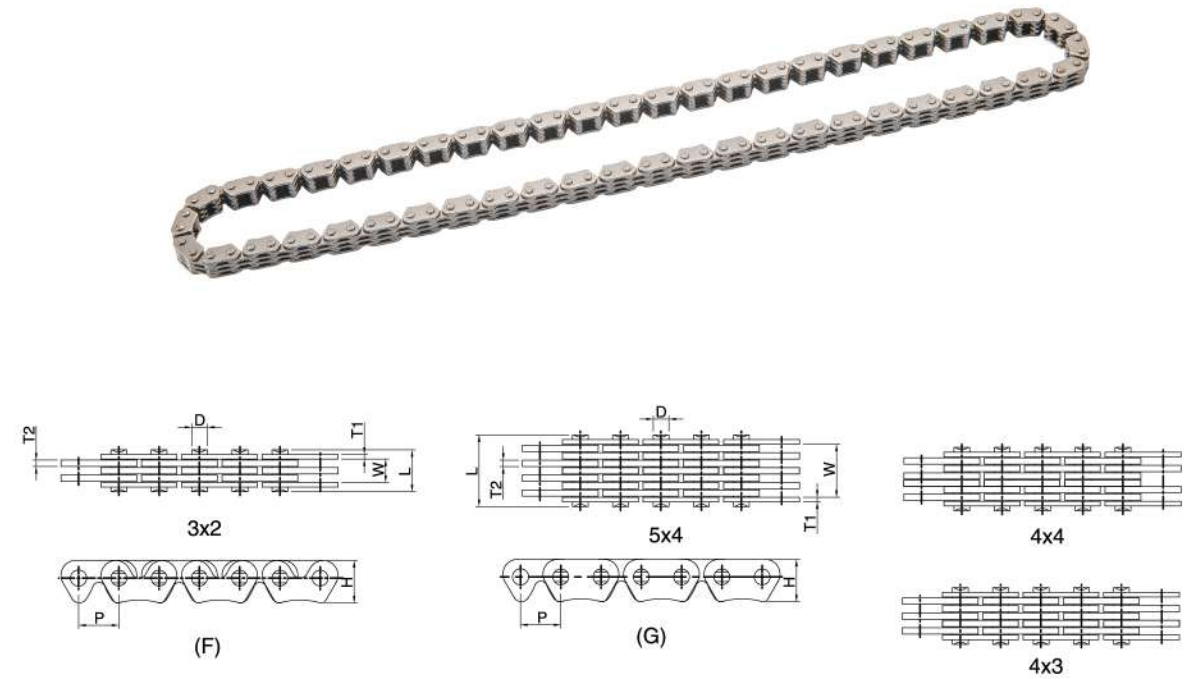
## Motorcycle O-RING Chain



CHAIN NO.	Pitch		Width	Roller	Plate		Pin			Ultimate Strength	Approx Weight	
	P		W	Dia	Height	Thickness	Dia	Length				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)			L(max)
40V_O-RING	1/2"	12.70	7.85	7.92	12.07	1.50	1.50	3.98	19.3	20.45	1592	0.65
428_O-RING	1/2"	12.70	7.94	8.51	12.40	1.80	1.80	4.45	20.1	21.6	1704	0.76
428HV_O-RING	1/2"	12.70	7.85	8.51	12.40	2.00	2.00	4.45	21.65	22.65	2092	0.85
520_O-RING	5/8"	15.875	6.35	10.16	15.00	2.00	2.00	5.09	20.2	21.6	2694	0.94
520HV_O-RING	5/8"	15.875	6.25	10.16	15.00	2.40	2.40	5.24	21.9	22.9	3112	1.10
530HV_O-RING	5/8"	15.875	9.40	10.16	15.00	2.40	2.40	5.24	25.0	26.0	3112	1.39

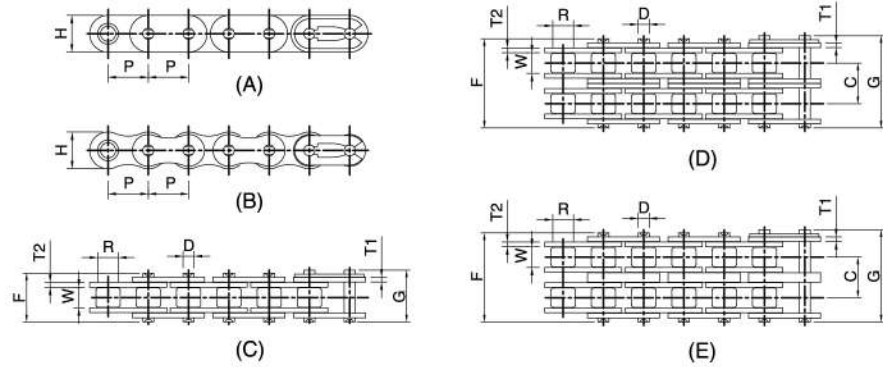
Supply only press-fit of link plate conn.link instead of normal slip-fit conn.link.

## Motorcycle Silent Chain



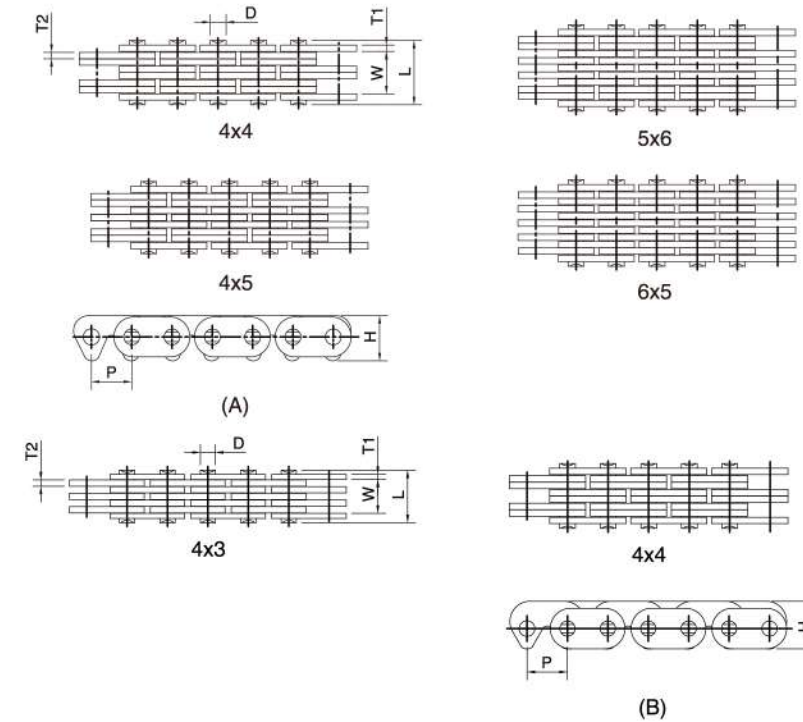
CHAIN NO.	Type	Lacing	Pitch	Width	Pin		Plate		Ultimate Strength	
			P	W	Dia	Length	Height	Thickness		
			mm	(min)	D(max)	L(max)	H(max)	T1		T2
SCR04-5	F	3x2	6.35	3.15	2.50	6.20	6.88	0.83	1.03	630
SCR04-7	F	4x3	6.35	5.25	2.50	8.25	6.88	0.83	1.03	900
SCR04-7(T)	F	4x3	6.35	5.25	2.50	8.75	6.88	1.03	1.03	920
SCA04-5	G	3x2	6.35	3.15	2.50	6.20	6.88	0.83	1.03	630
SCA04-7	G	4x3	6.35	5.25	2.50	8.25	6.88	0.83	1.03	900
SCA04-7(T)	G	4x3	6.35	5.25	2.50	8.75	6.88	1.03	1.03	920
SCA04-8	G	4x4	6.35	6.20	2.50	9.30	6.88	0.83	1.03	1110
SCA04-9	G	5x4	6.35	7.25	2.50	11.00	6.88	1.03	1.03	1224

## Timing Chain



CHAIN NO.	Type	Pitch		Width	Roller	Plate			Pin			Transverse	Ultimate	Approx
		P		W	Dia	Height	Thickness		Dia	Length		Pitch	Strength	Weight
		inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	C	kgf(min)	kg/m
25	B-C	0.25"	6.35	3.10	3.30	6.02	0.83	0.80	2.31	9.1	10.6	---	357	0.14
25-2	B-D	0.25"	6.35	3.10	3.30	6.02	0.83	0.80	2.31	15.5	17.0	6.40	714	0.26
25H	B-C	0.25"	6.35	3.10	3.30	6.02	1.00	1.00	2.31	9.1	10.6	---	489	0.16
25FH	A-C	0.25"	6.35	3.10	3.30	6.02	1.00	1.00	2.31	9.1	10.6	---	489	0.17
25FH SP	A-C	0.25"	6.35	3.10	3.30	6.02	0.80	1.00	2.31	9.1	---	---	489	0.16
04M	A-C	0.275"	7.0	3.65	4.00	6.80	1.00	1.18	2.70	9.8	---	---	592	0.24
04M-2	A-E	0.275"	7.0	3.65	4.00	6.80	1.00	1.18	2.70	17.6	---	7.80	1173	0.56
05CA	A-C	0.315"	8.00	4.80	5.00	7.55	1.00	1.40	3.15	11.6	---	---	714	0.38
05E	A-C	0.315"	8.00	4.70	5.65	7.65	1.20	1.30	3.05	11.9	12.8	---	867	0.38
05EH	A-C	0.315"	8.00	4.70	5.65	7.65	1.28	1.53	3.05	12.5	---	---	969	0.41
05T	A-C	0.315"	8.00	4.70	4.73	7.65	1.00	1.28	3.05	11.2	12.4	---	750	0.32
35-2	B-D	0.375"	9.525	4.68	5.08	9.05	1.28	1.28	3.60	23.4	26.1	10.13	1612	0.69
06B	A-C	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	13.0	14.0	---	908	0.39
06B-2	A-E	0.375"	9.525	5.72	6.35	8.26	1.00	1.30	3.28	23.8	26.9	10.24	1724	0.74
06BH	A-C	0.375"	9.525	5.72	6.35	8.26	1.28	1.53	3.28	13.9	15.2	---	1101	0.45
06BH-2	A-E	0.375"	9.525	5.72	6.35	8.26	1.28	1.53	3.28	25.5	26.8	11.40	2143	0.8
06D	A-C	0.375"	9.525	5.72	6.35	9.50	1.28	1.30	4.45	13.2	14.5	---	1050	0.52
06D-2	A-E	0.375"	9.525	4.20	6.35	9.50	1.28	1.55	4.45	21.9	---	9.50	1939	1.03
06D-2 SP(W5.65)	A-E	0.375"	9.525	5.65	6.35	9.50	1.30	1.40	4.45	24.9	---	11.0	1939	1.04
06G	A-C	0.375"	9.525	5.20	7.06	9.26	1.40	1.65	3.96	13.9	---	---	1101	0.47

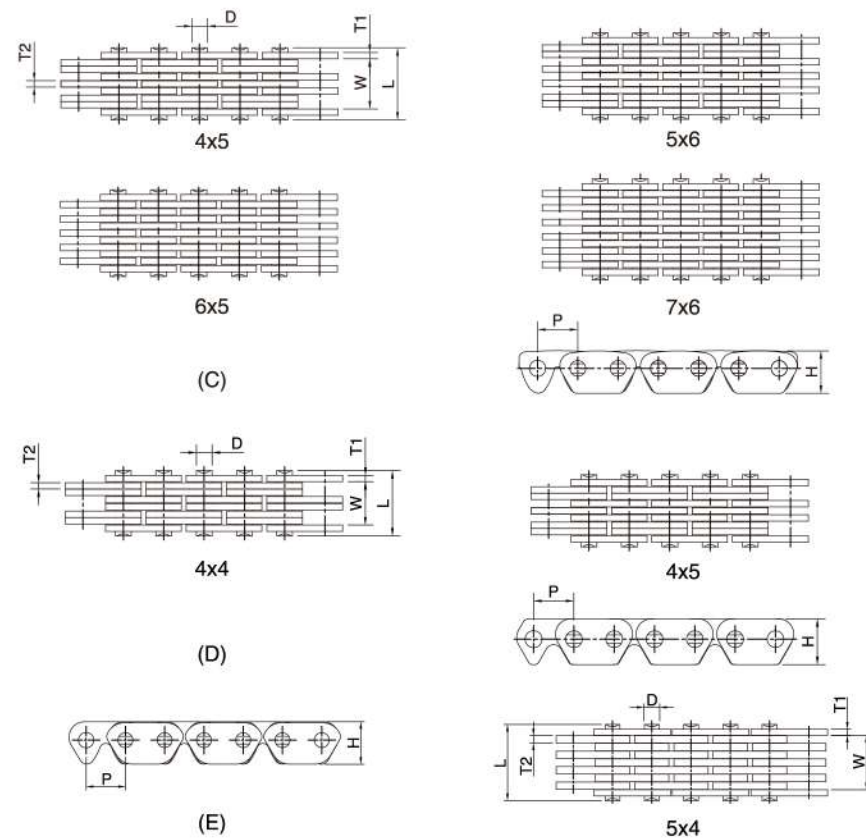
## Silent Chain



CHAIN NO.	Type	Lacing	Pitch		Width	Pin		Plate			Ultimate
			P		W	Dia	Length	Height	Thickness		Strength
			mm	(min)	(min)	D(max)	L(max)	H(max)	T1	T2	kgf(min)
C700	A	4x4	7.62	7.85	3.00	11.6	8.96	1.03	1.28	1429	
26289/26290 776968	A	4x4	9.525	9.30	3.78	13.2	9.84	1.03	1.53	1900	
C387	A	4x4	9.525	9.30	3.78	13.2	9.76	1.03	1.53	1684	
C390	A	4x4	9.525	9.30	3.78	13.2	9.85	1.03	1.53	1900	
C391	A	4x4	9.525	9.60	3.78	14.7	9.96	1.60	1.60	1700	
C358/C396	A	4x5	9.525	10.80	3.92	15.4	9.90	1.33	1.53	1531	
C372	A	4x5	9.525	10.80	3.35	15.8	9.31	1.53	1.53	1531	
C392	A	4x5	9.525	10.80	3.78	14.7	11.19	1.03	1.53	1531	
* C351	A	5x6	9.525	13.80	3.35	19.0	9.33	1.53	1.53	1667	
C359/C366/C368 C376/C3077	A	5x6	9.525	13.80	3.92	18.5	9.90	1.33	1.53	1850	
C370/C374	A	5x6	9.525	13.80	3.35	19.0	9.70	1.53	1.53	1847	
C373	A	5x6	9.525	14.00	3.96	18.6	9.84	1.33	1.53	1850	
C382	A	5x6	9.525	14.40	3.78	19.6	9.96	1.60	1.60	2097	
C395	A	6x5	9.525	14.00	3.35	19.0	9.31	1.53	1.53	1847	
C499/C498	A	4x5	12.70	10.80	3.92	15.4	11.47	1.33	1.53	1878	
C509	A	4x5	12.70	10.80	3.92	15.8	11.90	1.53	1.53	1847	
* C497/TC495	A	5x6	12.70	13.80	3.92	19.0	11.47	1.53	1.53	2296	
C505	A	5x6	12.70	13.80	3.92	19.0	12.00	1.53	1.53	2296	
C495	A	6x5	12.70	13.80	3.92	19.0	11.43	1.53	1.53	2296	
C511	B	4x3	8.00	6.57	3.00	10.4	9.40	1.03	1.28	1000	
C510	B	4x4	8.00	7.85	3.00	11.7	9.40	1.03	1.28	1143	

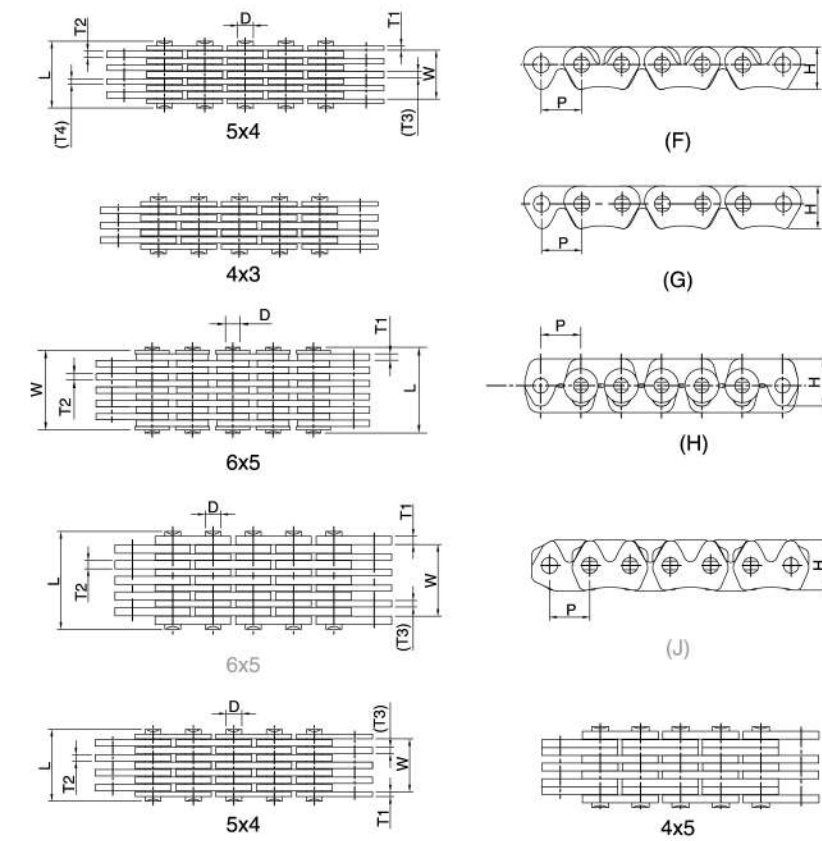
\* Anti-back type

## Silent Chain



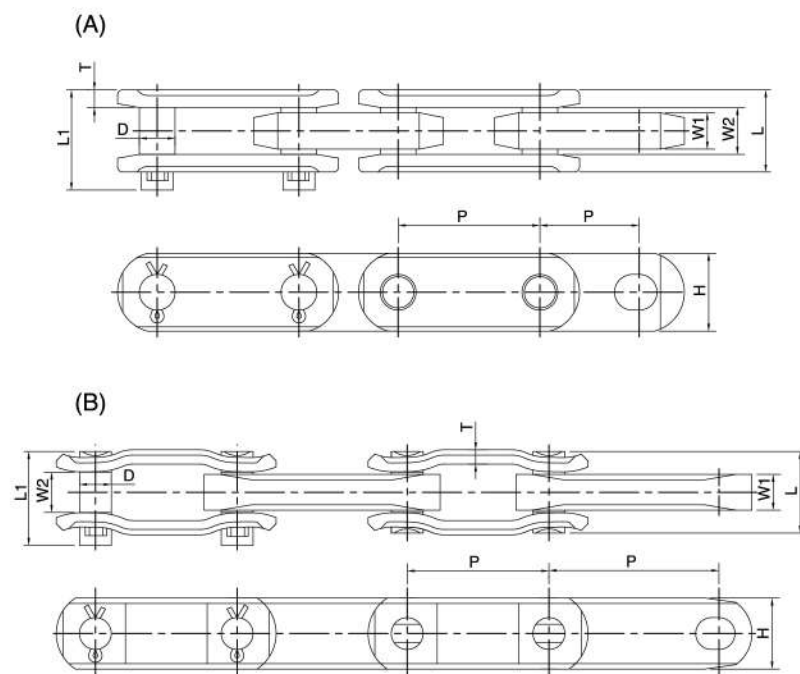
CHAIN NO.	Type	Lacing	Pitch	Width	Pin			Plate		Ultimate Strength kgf(min)
			P mm	W (min)	Dia D(max)	Length L(max)	Height H(max)	Thickness T1	T2	
C385A	C	4x5	9.525	10.80	3.35	15.8	10.20	1.53	1.53	2000
C362	C	5x6	9.525	13.80	3.35	19.0	10.24	1.53	1.53	2449
C388	C	5x6	9.525	13.80	3.35	19.0	10.20	1.53	1.53	2449
C380	C	6x5	9.525	13.80	3.35	19.0	10.20	1.53	1.53	2449
C364	C	7x6	9.525	16.90	3.35	22.1	10.24	1.53	1.53	2653
C381A	D	4x4	8.20	8.15	3.00	11.9	8.50	1.03	1.33	1531
C393/C394	D	4x5	8.20	9.20	3.00	13.1	8.60	1.03	1.30	1531
C384A	D	4x4	9.525	7.80	4.09	12.9	10.90	1.53	1.28	1633
C-1004/C-1005	D	4x4	7.70	8.75	3.28	12.6	8.30	1.03	1.40	1429
C7168/NS750	E	5x4	6.35	8.75	2.40	12.30	6.88	1.03	1.38	1224
I3028-8U300	E	5x4	6.35	8.75	2.40	12.30	6.88	1.03	1.38	1224
J35B	E	5x4	6.35	8.75	2.40	12.35	6.88	1.03	1.23	1224

## Silent Chain



CHAIN NO.	Type	Lacing	Pitch	Width	Pin		Height H(max)	Plate		Ultimate Strength kgf(min)
			P mm	W (min)	Dia D(max)	Length L(max)		Thickness T1/(T3)	T2/(T4)	
776268	F	5x4	6.35	7.25	2.50	10.60	6.88	0.83	1.03	1224
776268-HEC	F	5x4	6.35	7.25	2.50	10.60	6.75	0.83	1.03	1224
C762	F	5x4	6.35	7.90	2.40	11.00	6.70	0.83/(1.23)	1.23/(1.03)	1224
J35R	F	5x4	6.35	8.75	2.40	11.90	6.88	0.83	1.23	1224
4663635/C397	H	6x5	9.525	18.85	3.47	20.25	11.15	1.53	1.53	3000
J35E	G	4x3	6.35	6.30	2.70	9.40	7.12	0.83/(1.03)	1.40	920
NS250	G	4x3	6.35	6.30	2.70	9.40	6.90	0.83/(1.03)	1.38	920
TY330/DH113	G	4x5	6.35	8.80	2.50	12.70	7.03	1.23	1.23	1224
SCA04H-9	G	5x4	6.35	8.78	2.70	11.90	6.90	0.83/(1.03)	1.38	1224
J35D	J	6x5	6.35	11.25	2.40	15.40	8.0	1.38	1.38/(1.03)	1531

## Double Flex Chain



CHAIN NO.	Type	Pitch P	Dimension							Flex Radius (min)	Tensile Strength kgf(min)	Approx Weight kg/m
			W1	W2	D	L	L1	H	T			
DF3498	A	44.45 63.5	15.88	19.05	15.67	36.8	44.2	34.9	8.0	457	18400	5.9
DF3500	B	63.5 76.6	16.00	17.50	14.50	36.5	40.8	31.8	6.4	508	17400	4.9
DF3910	B	76.2 76.2	16.00	17.50	14.50	36.5	40.8	31.8	6.4	559	18000	4.8

This is a chain designed to operate in two planes.

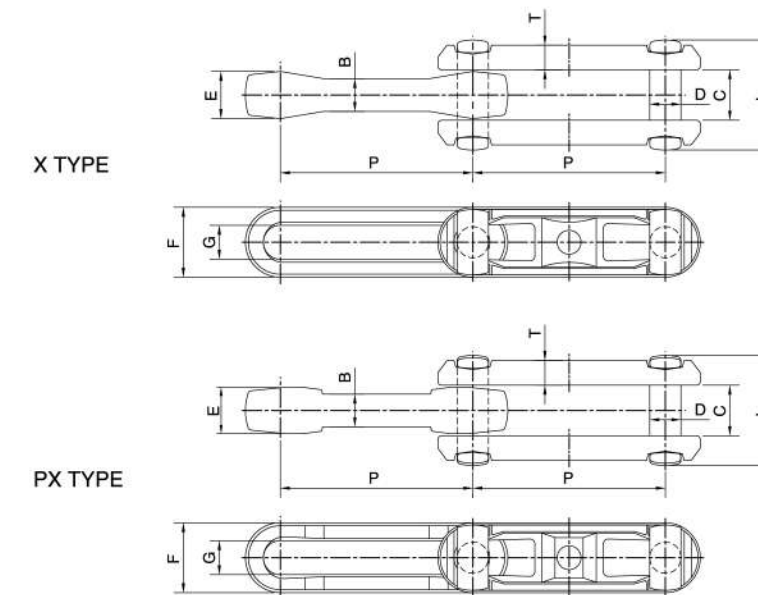
It's an excellent conveyor chain which has many uses in multitude of industries.

DF-3500 double flex chain articulates on two planes with a large sliding area to decrease wear on chain and sliding surface and provides maximum flexibility for both horizontal and vertical movement.

DF-3500 and DF-3910 have induction hardened inner link plates and cup-shaped outer link plates.

DF-3498 has straight outer link plates for greater flexibility.

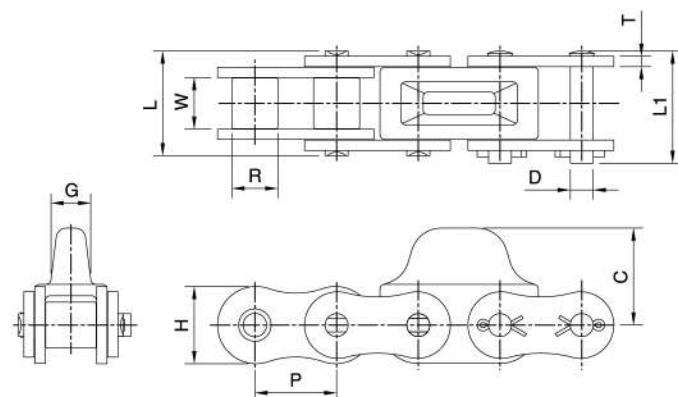
## Drop Forged Trolley Chain



CHAIN NO.	Pitch		Dimension								Ultimate Strength kgf(min)	Approx Weight kg/m
	P		C	B	E	F	G	D	L	T		
	inch	mm										
X348	3.015"	76.6	20.1	13.19	18.8	28.50	14.40	12.4	44.6	9.7	10000	2.85
X458	4.031"	102.4	27.2	16.25	25.3	36.06	17.25	16.2	57.4	12.0	19091	4.65
X678	6.031"	153.2	34.3	21.00	31.8	50.80	25.80	22.1	77.0	17.8	32717	9.30
PX678	6.031"	153.2	34.3	21.10	32.5	51.50	24.50	22.1	76.5	17.8	32727	9.50

X-style Drop Forged Rivetless Chains are built for overhead conveyor and other special applications; the prefix "X" designates a design proportioned to flex transversely on a shorter radius, the side bars are made with a mid-pitch panel that strengthens the sidebar and prevents material from falling through the link. Related chain products and accessories available are trolleys, side-link pushers, drive dog and caterpillar dog chain.

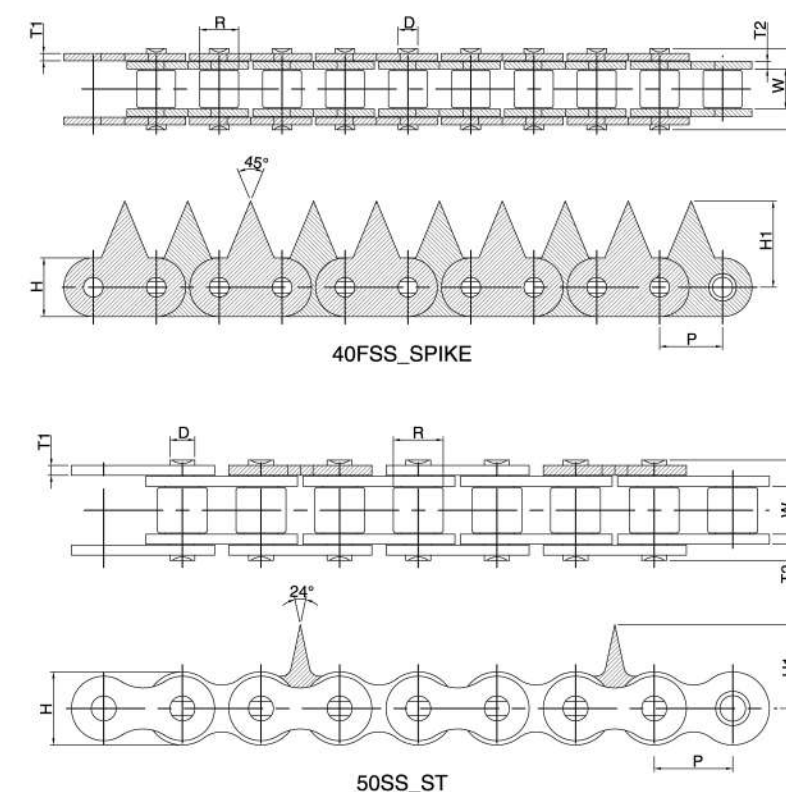
● Dog Chain



CHAIN NO.	Pitch		Dimension									Ultimate Strength kgf(min)
	P		W(min)	R(max)	D(max)	L(max)	L1(max)	H(max)	T	C	G	
	inch	mm										
160-X348	2"	50.8	31.75	28.58	14.29	65.5	73.4	48.26	6.40	53.3	15.88	22755
160-X458	2"	50.8	31.75	28.58	14.29	65.5	73.4	48.26	6.40	60.3	25.4	22755
160-X678	2"	50.8	31.75	28.58	14.29	65.5	73.4	48.26	6.40	76.2	27.0	22755

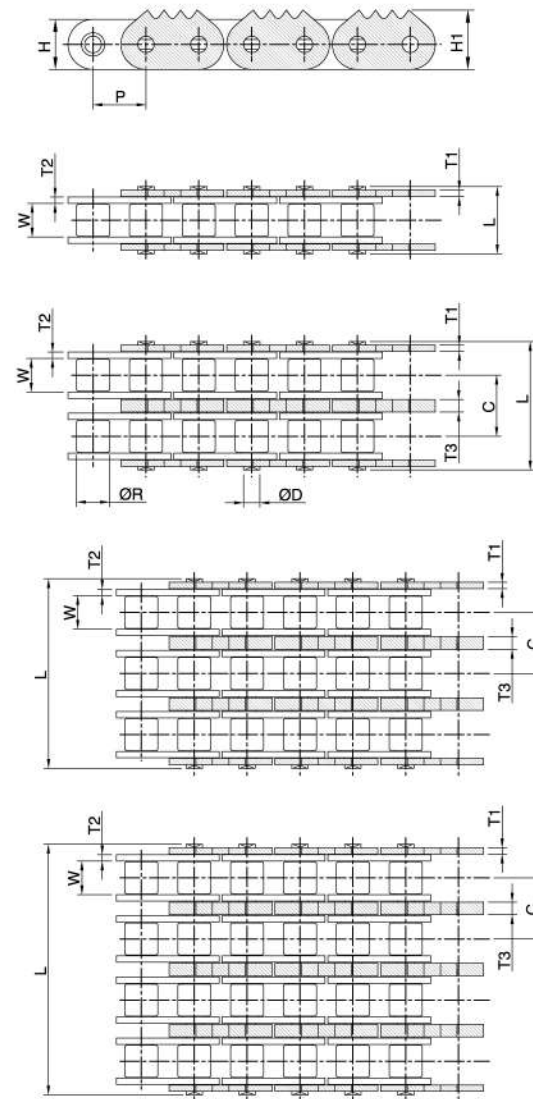
Induction hardened is available when required.

● Spike Chain

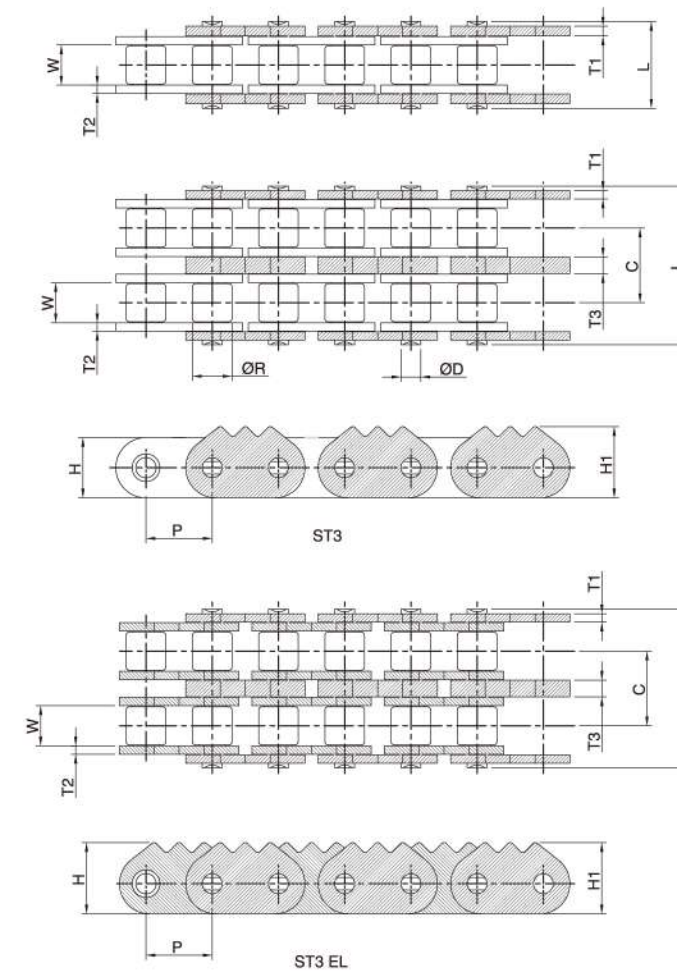


CHAIN NO.	Pitch		Width W	Roller Dia	Plate			Pin		Allowable Load kgf(max)	Approx Weight kg/m	
	P				Height H(max)	Thickness		Dia	Length L(max)			
	inch	mm	(min)	R(max)		H1	T1			T2	D(max)	
40FSS_SPIKE	1/2"	12.70	7.85	7.92	12.07	17.40	1.50	1.50	3.98	17.8	45	0.72
50SS_ST	5/8"	15.875	9.40	10.16	15.09	16.90	2.00	2.00	5.09	21.8	70	1.07

## Sharp Top Chain



## Sharp Top Chain



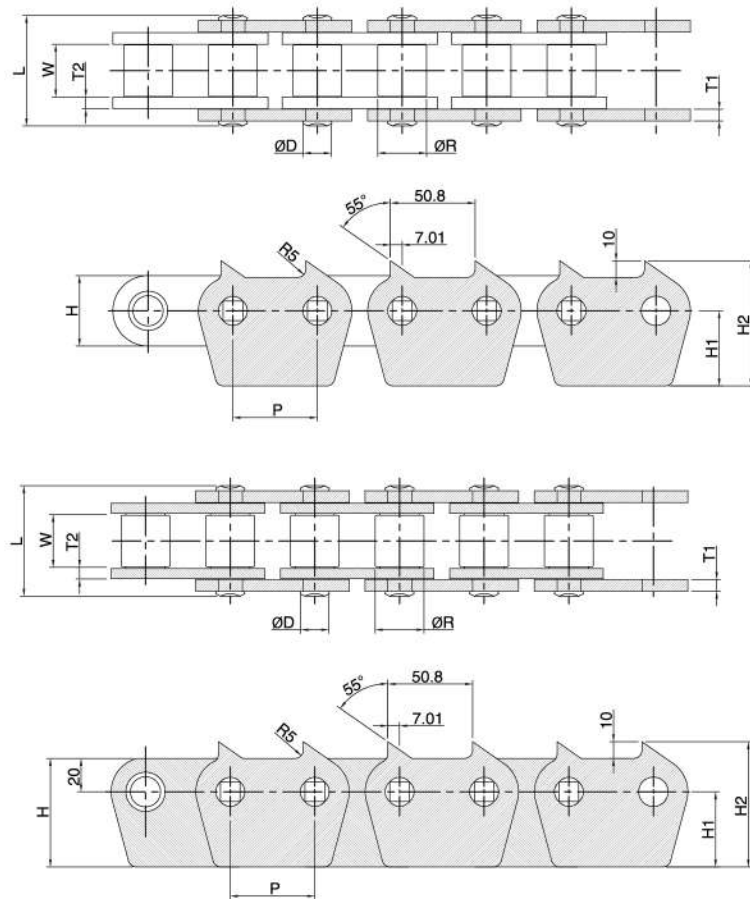
CHAIN NO.	Pitch		Width	Roller	Plate					Pin		Transverse Pitch	Ultimate Strength	Approx Weight
	P	W			Height		Thickness			Dia	Length			
	inch	mm	(min)	R	H(max)	H1	T1	T2	T3	D(max)	L	C	kgf(ave.)	kg/m
80F_ST4	1"	25.40	15.75	15.88	24.13	28.48	3.2	3.2	—	7.94	32.2	—	7800	3.61
80F-2_ST4	1"	25.40	15.75	15.88	24.13	28.48	3.2	3.2	6.0	7.94	61.5	29.30	15600	6.96
80F-3_ST4	1"	25.40	15.75	15.88	24.13	28.48	3.2	3.2	6.0	7.94	90.8	29.30	23400	9.51
80F-4_ST4	1"	25.40	15.75	15.88	24.13	28.48	3.2	3.2	6.0	7.94	120.1	29.30	31200	12.37
80F-2_ST4(HD)	1"	25.40	15.75	15.88	24.13	28.48	6.0	3.2	6.0	7.94	67.53	29.30	15600	7.12
80FH-2_ST4(H)	1"	25.40	15.75	15.88	24.13	28.48	4.0	4.0	4.7	7.94	64.78	29.30	15600	6.89

\* Quad staked pins & machine bottomed sideplates are available when required.  
 \* Plate height could be grounded to the requested dimension.

CHAIN NO.	Pitch		Width	Roller	Plate					Pin		Transverse Pitch	Ultimate Strength	Approx Weight
	P	W			Height		Thickness			Dia	Length			
	inch	mm	(min)	R(max)	H	H1	T1	T2	T3	D(max)	L	C	kgf(ave.)	kg/m
100F_ST3	1-1/4"	31.75	18.90	19.05	28.9	34.15	4.7	4.0	—	9.54	41.6	—	11600	7.05
100F-2_ST3	1-1/4"	31.75	18.90	19.05	28.9	34.15	4.0	4.0	7.7	9.54	77.0	35.8	23200	12.80
100F-2_ST3-EL	1-1/4"	31.75	18.90	19.05	34.15	34.15	4.0	4.0	7.7	9.54	77.0	35.8	23200	13.62

\* Quad staked pins & machine bottomed sideplates are available when required.  
 \* Plate height could be grounded to the requested dimension.

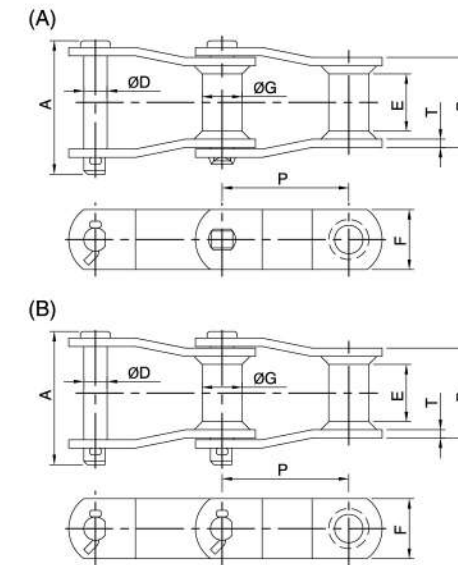
## Sharp Top Chain



CHAIN NO.	Pitch		Width	Roller	Plate					Pin		Ultimate Strength kgf(ave.)	Approx Weight kg/m
	P		W	Dia	Height		Thickness		Dia	Length			
	inch	mm			R(max)	H(max)	H1	H2			T1		
32B_SL	2"	50.80	31.6	29.21	42.29	45.01	75.01	7.0	7.0	17.81	66.2	27500	13.45
32B_TSL	2"	50.80	17.6	29.21	42.29	45.01	75.01	7.0	7.0	17.81	52.2	27500	12.14
32B_SLF	2"	50.80	31.6	29.21	65.01	45.01	75.01	7.0	7.0	17.81	66.2	27500	15.58

\*Quad staked pins & machine bottomed sideplates are available when required.  
 \*Plate height could be grounded to the requested dimension.

## Welded Steel Chain



WHX82HD-R  
 W 82  
 H : All Heat Treated Parts  
 R : Heat Treated Pins Only  
 X : Induction Hardened Pins  
 Item Number  
 HD : Heavy Duty Type  
 C : Cotter Type Pins  
 R : Rivet Type Pins



CHAIN NO.	TYPE	Pitch		Dimension (mm)							Ultimate Strength kgf(min)	Approx Weight kg/m
		P	P	A	B (max)	D	T	E (min)	F	G		
WR78-R	A	2.609	66.27	77	50.80	12.70	6.40	28.60	28.40	22.2	9530	6.2
WH78-R	A	2.609	66.27	77	50.80	12.70	6.40	28.60	28.40	22.2	10918	6.2
WR82-R	A	3.075	78.10	86	57.2	14.27	6.40	31.80	31.80	27	10210	7.2
WH82-R	A	3.075	78.10	86	57.2	14.27	6.40	31.80	31.80	27	13380	7.2
WHX82HD-R	A	3.075	78.10	97.33	60.33	19.05	9.50	28.60	38.10	31.75	17240	12.7
WR124-C	B	4.000	101.60	108	70.6	19.05	9.50	41.20	38.10	36.57	17240	12.4
WH124-C	B	4.000	101.60	108	70.6	19.05	9.50	41.20	38.10	36.57	22900	12.4
WH124HD-R	A	4.063	103.20	128.4	76.5	25.25	12.70	41.20	50.80	44.45	36316	22
WHX124HD-R	A	4.063	103.20	128.4	76.5	25.25	12.70	41.20	50.80	44.45	55306	22
WH106-C	B	6.000	152.40	108	70.61	19.05	9.50	41.40	38.10	36.58	22860	10.11
WH106HD-R	A	6.050	153.67	116	76.20	25.4	12.70	38.10	50.80	44.45	55290	17.4
WR132-C	B	6.050	153.67	160	111.13	25.4	12.70	76.2	50.80	44.45	28140	20
WH132-C	B	6.050	153.67	160	111.13	25.4	12.70	76.2	50.80	44.45	38580	20
WHX132-C	B	6.050	153.67	160	111.13	25.4	12.70	76.2	50.80	44.45	38580	20
WH150-C	B	6.050	153.67	156.8	111.76	25.4	12.70	69.85	63.50	44.45	38580	25
WH155-C	B	6.050	153.67	164.5	111.25	28.52	14.27	70.00	63.50	44.45	50000	26.9
WR157-C	B	6.050	153.67	173	117.35	28.52	15.88	75.7	63.50	44.45	56320	29
WH157-C	B	6.050	153.67	173	117.35	28.52	15.88	75.7	63.50	44.45	56320	29
WHX159-C	B	6.125	155.57	173	117.6	31.75	15.88	73.2	76.20	50.8	92724	37

# ACCESSORIES



## Chain Breaker



### ROLLER CHAIN EXTRACTOR(SMALL)

- For use with chain size 6.35mm up to 19.05mm
- BS and ANSI series
- Packing: 54 pcs/Carton



### ROLLER CHAIN EXTRACTOR(LARGE)

- For use with chain size 19.05mm up to 31.75mm
- BS and ANSI series
- Packing: 36 pcs/Carton

## Chain Brush



### CHAIN CLEANER BRUSH

- Composite, brush featuring adjustable brush adaptors to fit various size chains.
- Attacks greasy chains from 3 angles while keeping finger clean and safe
- Suitable for Motorcycle chain and Roller chain
- Material: ABS/PVC
- Packing: 200 pcs/Carton





## Chain Sprocket ● Timing Sprocket







NO.	Type	OEM NO.	ENGINE MODEL
G-CAM-S920T*19T	NISSAN	13024-9E000	KA24DE
G-CRA-S735*18T	NISSAN	13021-40F01	KA24DE/SR20DE
		13021-56J00	SR180DE/SR20DE/KA24E
		13021-40J01	KA24DE
G-IDL-S909*19T/36T	NISSAN	13077-5V100	KA24DE
		13077-9E000	
G-CRA-S731*18T	NISSAN	13021-53Y00	GA16DE
		13021-53Y01	
		13021-53Y10	
		13021-53Y11	
G-CAM-S720*25T	NISSAN	13024-53Y00	GA16DE
		13024-53Y01	
		13024-0M200	
G-IDL-S737*250T/36T	NISSAN	13077-53Y00	GA16DE
		13077-53Y01	
		13077-0M200	
G-CAM-S935*42T	NISSAN	13024-4M510	QG13DE/QG15DE QG16DE/QG18DE
G-CRA-S936T*21T	NISSAN	13024-4M501	QG13DE/QG15DE QG16DE/QG18DE
G-CAM-S694*36T	NISSAN	13024-40F00	KA24E





## Corrosion Resistant ● Features & Comparison Table

Item	CRF (GEOMET)	GN (GALVANIZATION AND NICKEL)
Features	Excellent corrosion resistance Not containing hexavalent chromium Eco-friendly	Galvanized and nickel plating Silver appearance Good corrosion resistance
Corrosion resistance	Excellent	Good
Hydrogen embrittleness	x	x
Color	Offwhite	Silver
Surface treatment powder volume during use	Powder drops during use	Very little powder drops during use
Tensile Strength	5-10% lower than standard steel RS Roller Chain	Same as standard steel RS Roller Chain
Hexavalent chromium	x	x
Food Contact	x	x
Anti-rust capability	Hours Of Salt Spray Test (ASTM B117) Min. 600 hrs	Hours Of Salt Spray Test (ASTM B117) Min. 500 hrs
Before Test		
After Test	600 Hours Of Salt Spray Test 	500 Hours Of Salt Spray Test 

Item	NP (NICKEL PLATED)	MZP (MECHANICAL ZINC PLATING)
Features	Electrolytic nickel plating Attractive appearance Light corrosion resistance	Mechanical (physics) zinc plating Offwhite appearance Good corrosion resistance
Corrosion resistance	Good	Good
Hydrogen brittleness	x	x
Color	Silver	Offwhite
Surface treatment powder volume during use	Very little powder drops during use	Very little powder drops during use
Tensile Strength	Same as standard steel RS Roller Chain	Same as standard steel RS Roller Chain
Hexavalent chromium	x	x
Food Contact	x	x
Anti-rust capability	Hours Of Salt Spray Test (ASTMB117) Around 20 hours	Hours Of Salt Spray Test (ASTMB117) More than 60 hours
Before Test		
After Test	24 Hours Of Salt Spray Test 	72 Hours Of Salt Spray Test 

## Surface Treatment ● Black Oxide 、 Acid Resistant 、 SFL

Item	BK ( BLACK OXIDE)	SFL (SOLID LUBRICATION)	AR(ACID CORROSION RESISTANT)
Features	Parts are dyed black by oxidation Light corrosion resistance Attractive appearance	Parts are coated with Teflon, Mos2, Graphite and other solid lubricating materials to enhance abrasion resistance	Excelent corrosion resistance Light acid resistance
Color	Black	Black	Offwhite
Hexavalent chromium	x	x	O
Food Contact	x	x	x
Photo			

## Lubrication

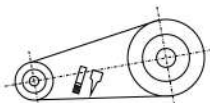
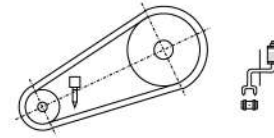
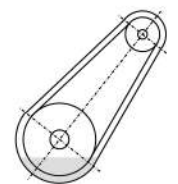
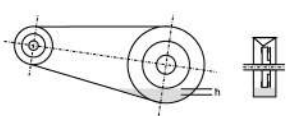
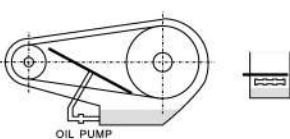
Proper lubrication of roller chains is a very important factor in getting their best possible performance and longer life-time. No matter how well a transmission system is designed, if it is not properly lubricated, its service life will be shortened.

Abrasion between the pin and bushing causes roller chains to stretch. Therefore, the parts should be well lubricated. The gap between the pin-link plate and roller-link plate on the slack side of the chain should be filled with lubricant. The oil forms a film which minimizes wear of the pin and bushing, thus increasing the chain service life. It also reduces noises and acts as coolant when chain runs at high speeds.

### Points Of Lubrication

- 1) Fill and change oil periodically.
- 2) Generally, heavy oil and grease are not suitable as a lubricant.
- 3) Avoid mix of oil with another kind or other maker's.
- 4) Adequate lubrication quantity is also essential for a chain's longer service life.

#### Method and amount of lubrication

TYPE	Method	Amount
A	 Apply oil with a brush or spout can aiming at clearance between pins and roller links on the slack side of chain in operate.	Periodically to keep chain joints from drying(generally about every 8 hours)
	 Drip lubrication Use simple casing and apply oil drops from a drip cup.	At a rate of 5 to 20 drops per minute for each strand of chain, the highest the speed the more the drops per minute.
B	 Oil bath lubrication Chain runs through an oil reservoir kept in leak-proof casing.	Too much oil kept in reservoir (if h dimension is too high) can generate heat up the oil and deteriorate it quality, therefore oil level should be kept in such a way as to maintain h dimension to be about 6 to 12mm.
	 Slinger disc lubrication Oil disc mounted on lower sprocket picks up oil from the oil reservoir kept in leak-proof casing and splashes it on chain. Disc should run at rim speed of more than 200 meters per minute. If chain width exceeds 125mm, oil disc should be used on both sides of chain.	Oil level should be kept lower than chain lowest point to maintain h dimension to be about 12 to 25 mm.
C	 Forced lubrication Oil pump in used to force continuous spray of oil after cooling to chain within a leak-proof casing. No. of spray oil holes should be N+1 if the number of chain strand is N.	

In all types of lubrication, roller chain should be cleaned periodically using light oil or gasoline. In order to see if lubrication is performed satisfactorily, remove chain from drive and check its pin and bushing. If pin and bushing show flaking or being colored to red or dark brown, poor lubrication generally exists.

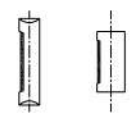
## Recommended Oil

Only high quality oil should be used to lubricate the roller chain. Neither heavy oil nor grease is suitable. The viscosity of the oil used will depend on the chain size, chain speed and ambient temperature. The lubricants recommended for specific temperature ranges are given in the following table :

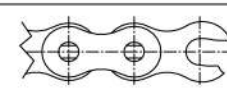
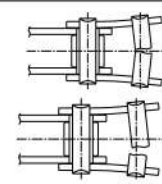

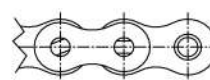


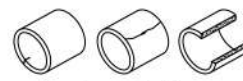
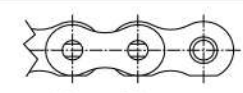
Chain No.	Temperature [°C]							
	-10~0	0~40	40~50	50~60	-10~0	0~40	40~50	50~60
Lubrication Type	TYPE A.B				TYPE C			
50 or less	SAE 10	SAE 20	SAE 30	SAE 40	SAE 10	SAE 20	SAE 30	SAE 40
60 ~ 80	SAE 20	SAE 30	SAE 40	SAE 50	SAE 10	SAE 20	SAE 30	SAE 40
100	SAE 20	SAE 30	SAE 40	SAE 50	SAE 20	SAE 30	SAE 40	SAE 50
120 or more	SAE 30	SAE 40	SAE 50	SAE 50	SAE 20	SAE 30	SAE 40	SAE 50

## Trouble Shooting Hints

Possible caused of troubles are summarized below. The solution hints are answers to trouble-free operations and optimum drives you would need.

Problem	Possible Causes	Suggested Remedy
Excessive Noise	<ul style="list-style-type: none"> <li>● Mis-alignment of sprockets</li> <li>● Too little or too much slack</li> <li>● Chain obstruction</li> <li>● Loose chain guard or bearing</li> <li>● Inadequate lubrication or non-lubrication</li> <li>● Chain pitch size too large</li> </ul>	<ul style="list-style-type: none"> <li>● Re-align sprockets and shafts</li> <li>● Adjust centers or take-up</li> <li>● Inspect and remove obstruction</li> <li>● Tighten bolts and check bearings</li> <li>● Lubricate properly</li> <li>● Check chain drive recommendation</li> </ul>
Chain Vibration	<ul style="list-style-type: none"> <li>● Excessive chain slack</li> <li>● Center distance too long</li> <li>● Stiff links</li> </ul>	<ul style="list-style-type: none"> <li>● Adjust chain tensioner</li> <li>● Install idler</li> <li>● Lubricate or replace chain</li> </ul>
Wear inside link plate and one side of sprocket teeth	<ul style="list-style-type: none"> <li>● Mis-alignment</li> </ul>	<ul style="list-style-type: none"> <li>● Realign sprockets and shafts</li> <li>● Replace chain and sprockets if necessary</li> </ul>
 Pin Bushing Galling	<ul style="list-style-type: none"> <li>● Overload</li> <li>● Inadequate lubrication</li> </ul>	<ul style="list-style-type: none"> <li>● Proper lubrication</li> <li>● Replace chain when elongation exceeds functional limits</li> </ul>

## Trouble Shooting Hints

Problem	Possible Causes	Suggested Remedy
Chain gets stiff	<ul style="list-style-type: none"> <li>● Inadequate lubrication</li> <li>● Corrosion</li> <li>● Excessive load</li> <li>● Mis-alignment</li> </ul>	<ul style="list-style-type: none"> <li>● Clean and establish correct lubrication</li> <li>● Replace with anti-corrosion chain</li> <li>● Reduce load or replace with suitable strength chain</li> <li>● Re-align sprockets and shafts</li> </ul>
Chain climb sprockets	<ul style="list-style-type: none"> <li>● Excessive chain slack</li> <li>● Inadequate lubrication</li> <li>● Overload</li> </ul>	<ul style="list-style-type: none"> <li>● Install tensioner if necessary</li> <li>● Reduce load or replace with suitable strength chain</li> </ul>
 Fractured Plate	<ul style="list-style-type: none"> <li>● Extreme overload</li> </ul>	<ul style="list-style-type: none"> <li>● Inspect the drive to determine the cause of high load</li> </ul>
 Broken Pins	<ul style="list-style-type: none"> <li>● Extreme overload</li> </ul>	<ul style="list-style-type: none"> <li>● Inspect the drive to determine the cause of high load</li> </ul>
 Broken Offset Link Pins	<ul style="list-style-type: none"> <li>● Overload</li> </ul>	<ul style="list-style-type: none"> <li>● One-pitch offset-links are not recommended</li> <li>● Redesign drive using a higher capacity chain</li> </ul>
 Turn Pins	<ul style="list-style-type: none"> <li>● Overload</li> <li>● Inadequate lubrication</li> </ul>	<ul style="list-style-type: none"> <li>● Replace chain as soon as possible</li> <li>● Reduce shock load or install stronger chain</li> <li>● Lubricate properly</li> </ul>
 Fatigue Failure	<ul style="list-style-type: none"> <li>● Extreme overload</li> </ul>	<ul style="list-style-type: none"> <li>● Inspect the drive to determine the cause of high load</li> <li>● Redesign drive using a higher capacity chain</li> </ul>
 Cracking	<ul style="list-style-type: none"> <li>● Stress corrosion cracking</li> </ul>	<ul style="list-style-type: none"> <li>● Protect the chain from corrosion</li> <li>● Install anti-corrosive chains</li> </ul>
 Broken Rollers	<ul style="list-style-type: none"> <li>● Foreign material between chain and sprocket tooth</li> <li>● Fatigue failure</li> </ul>	<ul style="list-style-type: none"> <li>● Shield drive from foreign matter</li> <li>● Redesign chain speed and load</li> </ul>
 Worn Plates	<ul style="list-style-type: none"> <li>● Bottom of plates worn due to rubbing on guides</li> </ul>	<ul style="list-style-type: none"> <li>● Chain should be replaced when wear over 5% of the plates height</li> </ul>