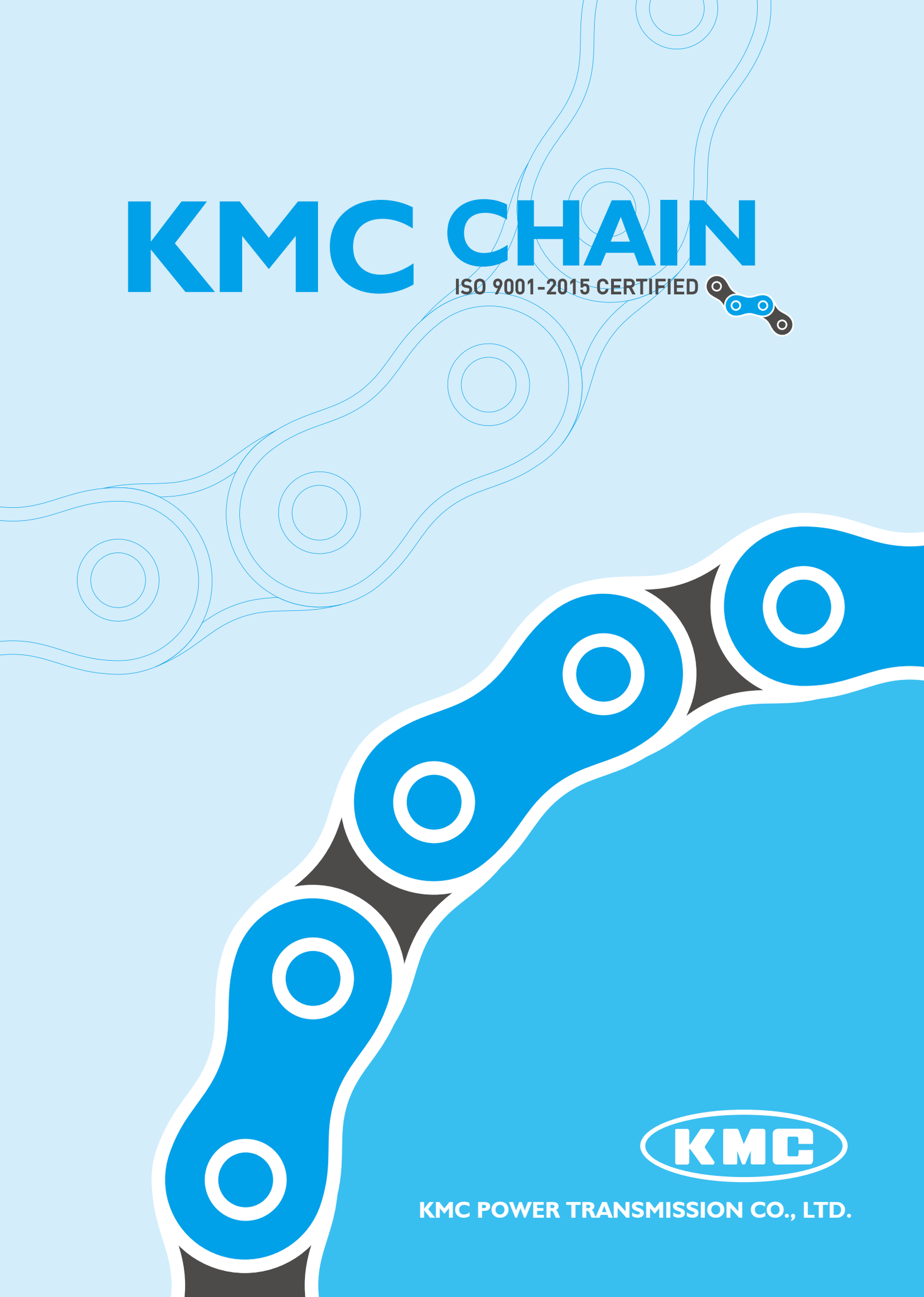
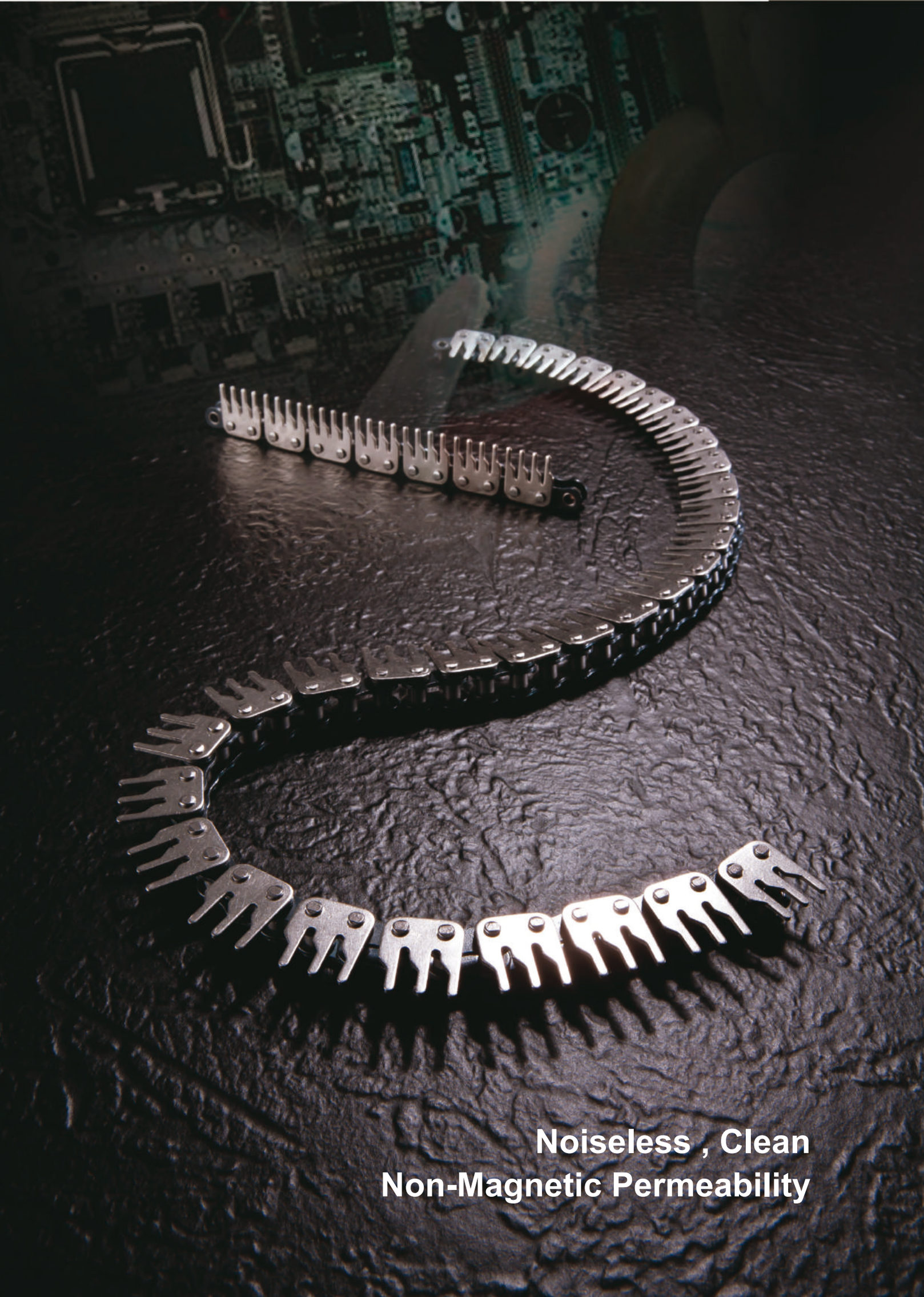
KMC CHAIN

ISO 9001-2015 CERTIFIED



KMC POWER TRANSMISSION CO., LTD.

AMazing power transmission


Noiseless , Clean
Non-Magnetic Permeability

Precise and
Powerful Transmission

POWER

WHY USE ROLLER CHAIN?

EXCELLENCE OF ROLLER CHAIN

1. DURABILITY - Roller chain drives give long service life because the chain load is distributed over several sprocket teeth, keeping bearing pressures relatively low for the power transmitted.

2. RUGGEDNESS - The proportions, parts heat treatment, and press-fit construction of roller chain help them withstand shock loads and rough drive conditions.

3. EFFICIENCY - Roller chains transmit power with high efficiency throughout the entire life of the drive. There are no large separating forces, radial loads, thrusts, or bearing pressures to waste power. Therefore, machine frames and bearings may be smaller, lighter and less costly.

4. VERSATILITY - Drive center distances may be long or short, fixed or adjustable, to suit machine design. Roller chain can transmit power to several shafts from a single drive shaft. Roller chain can engage sprocket on either side and drive sprocket in either direction. Roller chain operates efficiently over a wide speed range in minimum space.

5. CONVENIENCE - Chain installation requires only the alignment that can be readily obtained with commonly available hand tools. Roller chains can be easily connected and disconnected with standard connecting links. Roller chain can be replaced or maintained without disturbing the sprockets, shafts or bearings.

6. PRECISION - KMC roller chain are manufactured with great precision. Close control of chain length, roller diameters and other critical dimensions contribute to smooth, quite action and high efficiency.

HOW TO ORDER ROLLER CHAIN?

When exact lengths are required, we have the ability to cut to length and assemble the chain to your individual specifications.

When an even number of links (pitches), in total, are required, a connecting link is used as shown in illustrations A, B and C. When ordering, please specify the configuration required.

A. Connecting link supplied separate

B. Connecting link supplied assembled on one end

C. An endless chain using a connecting link

When a permanent connection of endless chain is required, it can be supplied as shown in illustration "D"

When an odd number of links (pitches), in total, are required, a connecting link plus an offset link are used as shown in illustration "E"

When connecting links of roller are required on each end, they can be supplied as shown in illustrations "F" and "G"

ROLLER CHAIN COMPONENTS & FEATURES

Outer Link

Riveted

Double Cotters

Connecting Link

Open Type Clip

Closed Type Clip

Cotter Type

Offset Link

One Pitch

Two Pitches

Riveted Chain

Cotter Chain

KMC is an ISO 9001-2015 Certified Roller Chain Manufacturer

Certified by International Quality Control System which promises products credibility

Proposed products of international trade

Recommended certificate of high-quality products

Brand of exhibition in international

Seeking perfection and responsible for great customers, KMC attains international acceptance

KMC also strives to maintain its world recognized quality assurance system for stable supply of quality products, which meets and exceeds the expectations of our noblest customers.

KMC CHAIN GROWING HISTORY

1977	Kuei-Meng Ind. Co., Ltd. was established in Yongkang, Tainan, Taiwan. · The 1st plant of KMC Group. · KMC started manufacturing bicycle chain.
1982	KMC started manufacturing motorcycle chain and industrial chain.
1984	KMC Chain Ind. Co., Ltd. was established in Xinhua, Tainan, Taiwan. · The 2nd plant of KMC Group.
1986	Launched technical cooperation with Shimano Inc., Japan in developing superior bushles bicycle chain series.
1989	Transton Chain (Shenzhen) Co., Ltd. was established in Shenzhen, Guangdong, China. · The 3rd plant of KMC Group. · The first oversea factory in China, producing bicycle and motorcycle chain. · Invest in raw material supplier Kao-Meng Co., Ltd.-in Taiwan and China. · Enter China domestic market
1990	KMC Chain (Shenzhen) Co., Ltd. was established in Shenzhen, Guangdong, China. · The 4th plant of KMC Group. · Worldwide market share of bicycle chain grew to 40%.
1991	KMC (USA) & warehouse was established in California, USA. · Provide logistics support & services to American customers. · KMC Chain (Hong Kong) Co., Ltd. was established in Hong Kong. · Provide logistics support & services to overseas customers.
1992	Invested in Prowheel Co., a sprocket maker for bicycle and motorcycle.
1994	Started manufacturing industrial chain in China.
1995	KMC (Taiwan) Ind. Co., Ltd. and KMC Chain (Shenzen) Co., certified by ISO-9002.
1996	KMC Chain (Taicang) Co., Ltd. was established in Taicang, Jiangsu, China. · The 5th plant of KMC Group. KMC Chain Europe B.V. was established in the Netherlands. Started manufacturing motorcycle's engine timing chaln in China.
1998	Ellson Motorcycle Parts (Shenzhen) Co., Ltd. was established in Shenzhen, Guangdong, China. · To handle sales of motorcycle components.
1999	AMC Chain (Shenzhen) Co., Ltd. was established in Shenzhen, Guangdong, China. · The 6th plant of KMC Group. · To handle increasing sales of motorcycle chain. KMC Chain (Taicang) Co., Ltd. certified by ISO 9002.
2000	KMC (Europe) warehouse was set up in Heerenveen, The Netherlands. · Provide logistics support & services to European customers.
2001	KMC Chain (Vietnam) Co., Ltd. was established in Bien Hoa, Dong Nai, Vietnam. · The 7th plant of KMC Group and the 1st factory in ASEAN, producing bicycle chain and motorcycle chain to launch into the business of South-East Asia. · KMC Chain (Shenzhen) Co., Ltd. and Transton Chain (Shenzhen) Co., Ltd. certified by ISO 9001-2000.
2002	KMC Transmission (Shanghai) Co., Ltd. was established in Taicang, Jiangsu, China. · The 8th plant of KMC Group KMC Chain (Vietnam) Co., Ltd. and KMC Chain (Taicang) CO., Ltd. certified by ISO 9001:2002 Started manufacturing automotive engine timing system in KMC (Shenzhen) Started manufacturing motorcycle driving sprocket in KMC (Vietnam) Set up liaison office in Thailand.
2003	Door opener Chain & Accessories Business Unit was set up. KMC Transmission (Tianjin) Co., Ltd. was established in Tianjin, Hebei, China. · The 9th plant of KMC Group. Set up liaison office in Indonesia and Hanoi, Vietnam.
2004	Moduled Inc. was set up and focused on LED lamps, modules and applications. KMC Chain (Shenzhen) Co., Ltd. certified by ISO/ TSI 16949:2002.
2005	KMC Transmission (Chengdu) Co., Ltd. was established in Chengdu, Sichuan, China. · The 10th plant of KMC Group.
2006	After an in-house reorganization of KMC Group, AMC Chain Industrial Co., Ltd. was set up to take charge of manufacturing and marketing for motorcycle chain and industrial chain.
2008	KMC donated 2 million yuan in name of Transton Chain (Shenzhen) Co., Ltd. and KMC Chain (Taicang) Co., Ltd. to relieve Sichuan Earthquake.
2010	KMC Group raised capital in expanding Chongqing Transton Chain Co., Ltd. AMC Chain Industrial Co., Ltd. certified ISO 9001:2008 by SGS. KMC Group had a joint venture with SHINMAYWA Industries, Ltd. Japan and established SHINMAYWA Industries, Ltd. Taiwan.
2012	Establish premium AM brand and complete corporate identity system.
2014	KMC power transmission business expanding into sprocket application and development.
2015	Dongguan Transton Chain Co., Ltd. was established in Dongguan, Guangdong, China.
2016	A Man Power Transmission Co., Ltd. certified by ISO 9001-2015. KMC Chain (Taicang) Co., Ltd. certified by Chinese high-tech enterprise certification.

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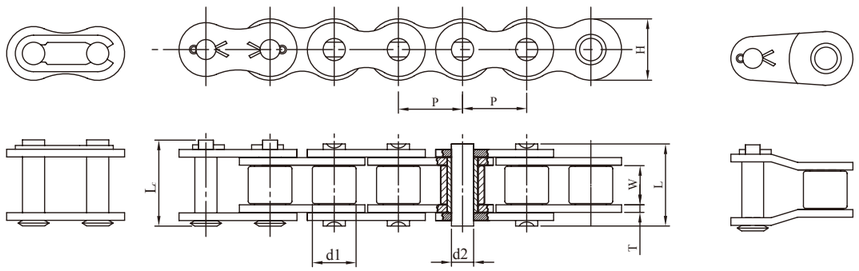
Single strand roller & bushing chain

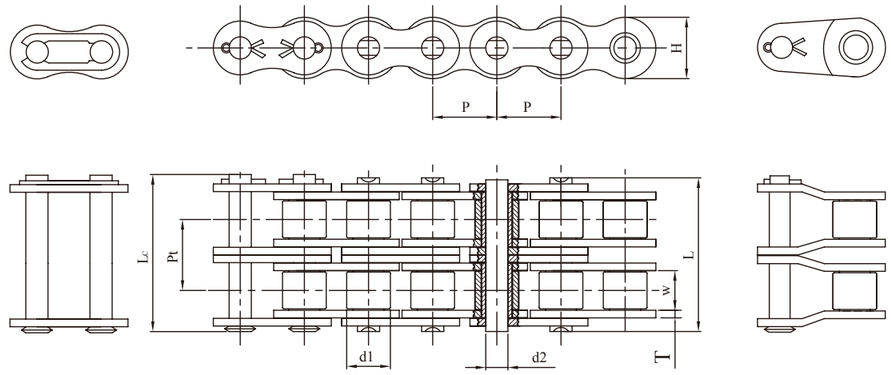


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
04C	25	25	6.35	3.10	3.30	2.31	8.0	8.80	6.02	0.75	360	400	65
		25H	6.35	3.10	3.30	2.31	9.00	10.0	5.90	1.00	550	650	100
06C	35	35	9.525	4.68	5.08	3.60	12.15	13.40	9.05	1.15	810	1100	220
083		415E	12.70	4.88	7.77	3.97	12.90	13.45	10.30	1.1/1.4	1185	1390	380
084		415H	12.70	4.68	7.77	3.97	13.30	15.00	12.00	1.50	1810	1900	380
085	41	41	12.70	6.25	7.77	3.60	14.0	16.0	9.91	1.20	680	1250	230
08A	40	40	12.70	7.85	7.92	3.98	17.80	21.0	12.07	1.50	1420	1950	370
10A	50	50	15.875	9.40	10.16	5.09	21.80	25.0	15.09	2.0	2230	3000	650
12A	60	60	19.05	12.57	11.91	5.96	26.90	31.0	18.0	2.35	4000	4100	920
16A	80	80	25.40	15.75	15.88	7.94	33.50	38.0	24.13	3.20	5680	7500	1500
20A	100	100	31.75	18.90	19.05	9.54	41.10	47.0	30.17	4.0	8880	12100	2300
24A	120	120	38.10	25.22	22.23	11.11	50.80	57.0	36.20	4.70	12770	16000	3100
28A	140	140	44.45	25.22	25.40	12.71	54.90	62.0	42.23	5.50	17380	21000	4100
32A	160	160	50.80	31.55	28.58	14.29	65.50	73.0	48.26	6.40	22800	30000	5400
40A	200	200	63.50	37.85	39.68	19.85	80.40	90.0	60.33	8.0	35460	46000	7300
48A	240	240	76.20	47.35	47.63	23.81	95.50	106.0	72.39	9.50	53110	67500	10100

A Series Standard Roller Chain

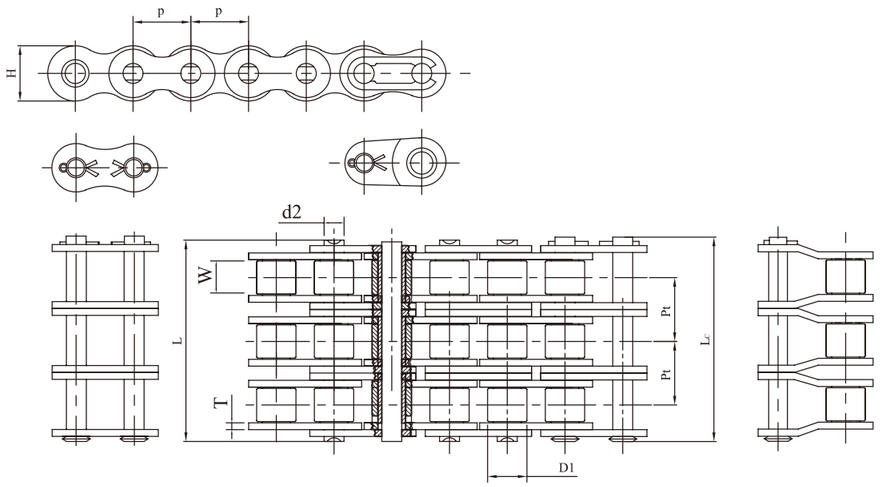
CONTENTS OF THE PRODUCT

Double strand roller & bushing chain



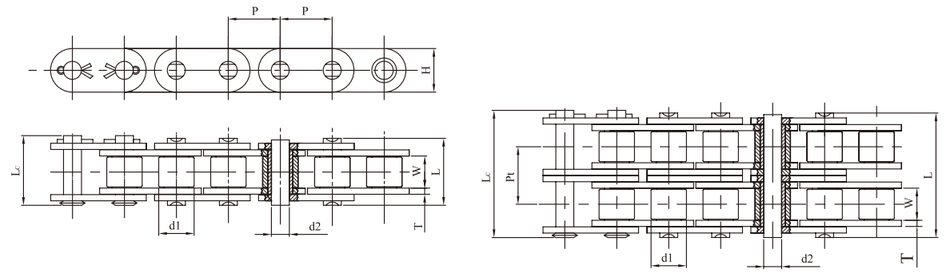
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load	Transverse Pitch Of Strand
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max	Pt
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf	mm
04C-2	25-2	25-2	6.35	3.10	3.30	2.31	14.50	15.20	6.02	0.75	720	860	110	6.40
06C-2	35-2	35-2	9.525	4.68	5.08	3.60	22.80	23.70	9.05	1.15	1620	2200	370	10.13
08A-2	40-2	40-2	12.70	7.85	7.92	3.98	32.30	36.20	12.07	1.50	2840	3900	630	14.38
10A-2	50-2	50-2	15.875	9.40	10.16	5.09	39.90	44.0	15.09	2.0	4450	6200	1100	18.11
12A-2	60-2	60-2	19.05	12.57	11.91	5.96	49.80	54.40	18.10	2.35	6400	8400	1530	22.78
16A-2	80-2	80-2	25.40	15.75	15.88	7.94	62.70	68.10	24.13	3.20	11360	15000	2550	29.29
20A-2	100-2	100-2	31.75	18.90	19.05	9.54	77.0	83.10	30.17	4.0	17760	24200	3900	35.76
24A-2	120-2	120-2	38.10	25.22	22.23	11.11	96.30	102.9	36.20	4.70	25540	32000	5250	45.44
28A-2	140-2	140-2	44.45	25.22	25.40	12.71	103.60	111.0	42.23	5.50	34760	42000	6970	48.87
32A-2	160-2	160-2	50.80	31.55	28.58	14.29	124.20	132.10	48.26	6.40	45600	60000	9150	58.55
40A-2	200-2	200-2	63.50	37.85	39.68	19.85	151.90	162.10	60.33	8.0	70920	92000	12400	71.55
48A-2	240-2	240-2	76.20	47.35	47.63	23.81	183.40	193.90	72.39	9.50	106220	135000	17150	87.83

A Series Standard Roller Chain



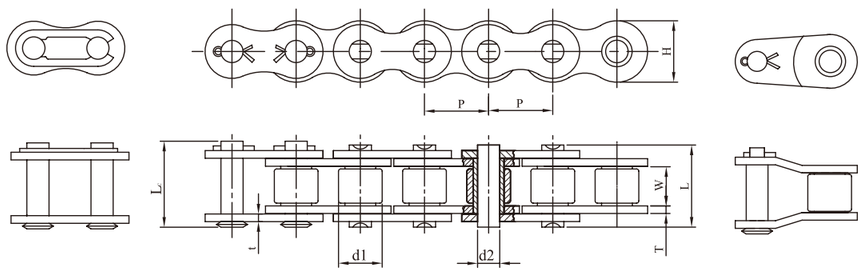
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		Pt
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
04C-3	25-3	25-3	6.35	3.10	3.30	2.31	21.80	23.80	5.80	0.75	1075	1397	6.40
06C-3	35-3	35-3	9.525	4.68	5.08	3.60	33.50	36.50	8.80	1.15	2420	3146	10.13
08A-3	40-3	40-3	12.70	7.85	7.92	3.98	46.70	49.70	12.0	1.50	4250	5525	14.38
10A-3	50-3	50-3	15.875	9.40	10.16	5.09	57.90	60.90	15.0	2.0	6675	8677	18.11
12A-3	60-3	60-3	19.05	12.58	11.91	5.96	72.60	76.60	18.0	2.35	9535	12395	22.78
16A-3	80-3	80-3	25.40	15.75	15.87	7.94	91.90	96.0	24.10	3.20	17050	22165	29.29
20A-3	100-3	100-3	31.75	18.90	19.05	9.54	113.0	118.0	30.10	4.0	26560	34528	35.76
24A-3	120-3	120-3	38.10	25.23	22.22	11.11	141.70	147.70	36.20	4.70	38200	49660	45.44
28A-3	140-3	140-3	44.45	25.23	25.40	12.71	152.40	158.50	42.20	5.50	51750	67275	48.87
32A-3	160-3	160-3	50.80	31.55	28.57	14.29	182.90	189.0	48.20	6.40	68100	88530	58.55
40A-3	200-3	200-3	63.50	37.85	39.67	19.85	206.0	214.0	60.30	8.0	106500	138450	71.55
48A-3	240-3	240-3	76.20	47.35	47.62	23.81	227.20	235.50	72.40	9.50	153200	199160	87.83

A Series Flat Plate Roller Chain



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load	Transverse Pitch Of Strand
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max	Pt
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf	mm
25F	6.35	3.18	3.30	2.31	8.15	/	6.00	1.0/0.7	500	550	100	/
25FH	6.35	3.18	3.30	2.31	8.75	/	6.00	1.0	520	600	110	/
35F	9.525	4.68	5.08	3.60	12.15	13.40	9.05	1.15	810	1100	220	/
40F	12.70	7.85	7.92	3.98	17.80	21.0	12.07	1.50	1420	1950	370	/
50F	15.875	9.40	10.16	5.09	21.80	25.0	15.09	2.0	2230	3100	650	/
60F	19.05	12.57	11.91	5.96	26.90	31.0	18.10	2.35	4000	4200	920	/
80F	25.40	15.75	15.88	7.94	33.50	38.0	24.13	3.20	5680	7500	1500	/
40F-2R	12.70	7.85	7.92	3.98	32.30	36.20	12.07	1.50	2840	3900	630	14.38
50F-2R	15.875	9.40	10.16	5.09	39.90	44.0	15.09	2.0	4450	6200	1100	18.11
60F-2R	19.05	12.57	11.91	5.96	49.80	54.40	18.10	2.35	6400	8400	1530	22.78
100F-2R	31.75	18.9	19.05	9.54	77	83.1	30.17	4.0	17740	24200	3900	35.76

Single strand roller chain

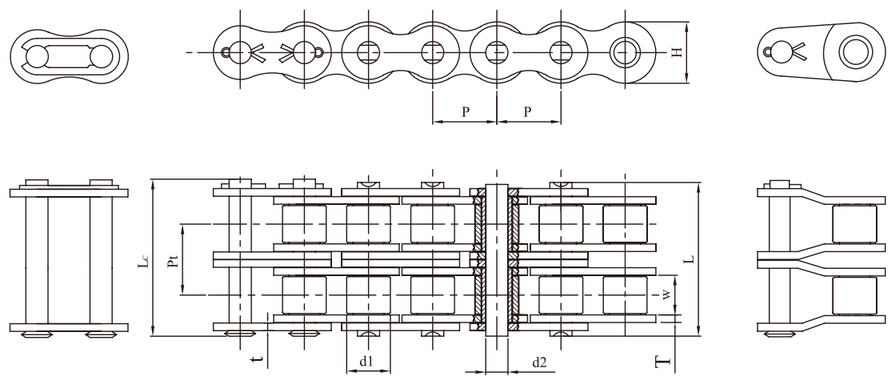


ISO Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength
		P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min	
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
04B	04B	6.0	2.80	4.10	1.85	7.40	10.30	5.0	0.60	306	320
05B	05B	8.0	3.0	5.0	2.31	8.60	11.70	7.11	0.75	500	600
06B	06B	9.525	5.72	6.35	3.28	13.50	16.80	8.26	1.40/1.10	910	1100
08B	08B	12.70	7.75	8.51	4.45	17.0	20.70	11.81	1.50	1820	1950
10B	10B	15.875	9.65	10.16	5.08	19.60	23.70	14.73	1.70	2270	2800
12B	12B	19.05	11.68	12.07	5.72	22.70	27.30	16.10	1.80	2950	3350
16B	16B	25.40	17.02	15.88	8.28	36.10	41.50	21.0	4.0/3.0	6130	7500
20B	20B	31.75	19.56	19.05	10.19	43.20	49.30	26.42	4.50/3.50	9700	10850
24B	24B	38.10	25.40	25.40	14.63	53.40	60.0	33.40	6.0/5.0	16330	18200
28B	28B	44.45	30.99	27.94	15.90	65.10	72.50	37.08	7.40/6.40	20410	23000
32B	32B	50.80	30.99	29.21	17.81	67.40	75.30	42.29	7.0/6.0	25520	28500
40B	40B	63.50	38.10	39.37	22.89	82.60	92.60	52.96	8.50/8.0	36230	40500
48B	48B	76.20	45.72	48.26	29.24	99.10	109.10	63.88	12.0/9.50	57150	63500

B Series Standard Roller Chain

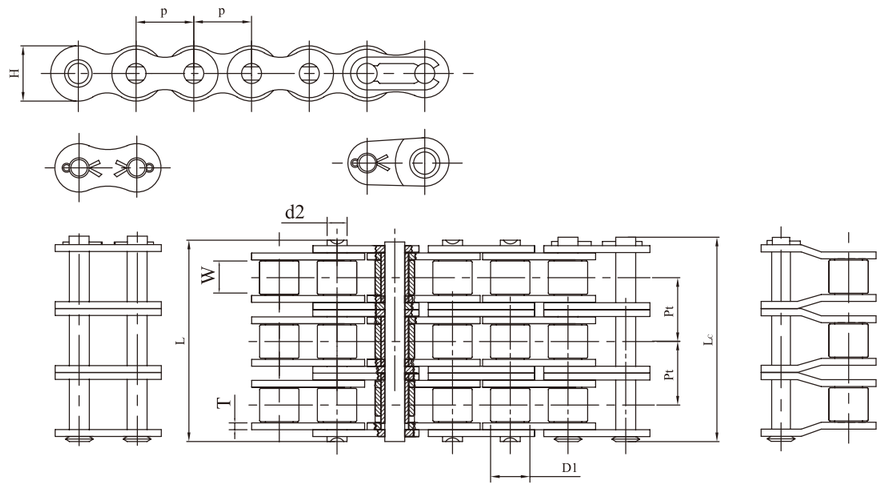
CONTENTS OF THE PRODUCT

Double strand roller chain



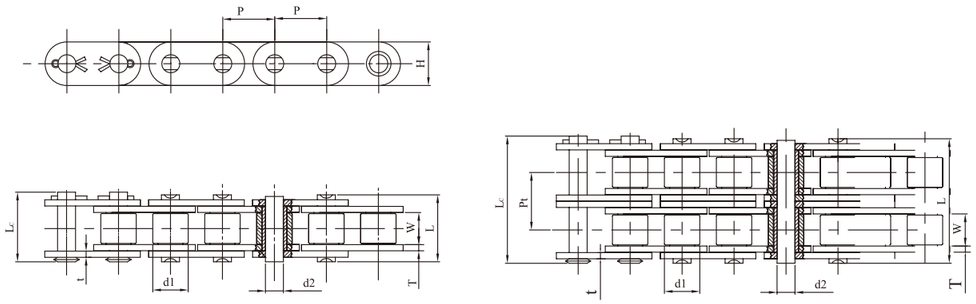
ISO Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
		P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min		Pt
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
05B-2R	05B-2R	8.0	3.0	5.0	2.31	14.30	17.40	7.11	0.75	800	1050	5.64
06B-2R	06B-2R	9.525	5.72	6.35	3.28	23.80	27.10	8.26	1.4/1.1/1.6	1730	1900	10.24
08B-2R	08B-2R	12.70	7.75	8.51	4.45	31.0	34.90	11.81	1.50	3180	3850	13.92
10B-2R	10B-2R	15.875	9.65	10.16	5.08	36.20	40.30	14.73	1.70	4550	5600	16.59
12B-2R	12B-2R	19.05	11.68	12.07	5.72	42.20	46.80	16.13	1.80	5900	6500	19.46
16B-2R	16B-2R	25.40	17.02	15.88	8.28	68.0	73.40	21.08	4.0/3.0	10820	15000	31.88
20B-2R	20B-2R	31.75	19.56	19.05	10.19	79.0	85.10	26.42	4.50/3.50	17350	21700	36.45
24B-2R	24B-2R	38.10	25.40	25.40	14.63	101.0	107.6	33.40	6.0/5.0	28580	36400	48.36
28B-2R	28B-2R	44.45	30.99	27.94	15.90	124.0	131.40	37.08	7.40/6.40	36740	46000	59.56
32B-2R	32B-2R	50.80	30.99	29.21	17.81	126.0	133.90	42.29	7.0/6.0	45920	57000	58.55
40B-2R	40B-2R	63.50	38.10	39.37	22.89	154.0	164.0	52.90	8.50/8.0	64290	81000	72.29
48B-2R	48B-2R	76.20	45.72	48.26	29.24	190.0	200.0	63.88	12.0/9.50	102050	127000	91.21

B Series Standard Roller Chain



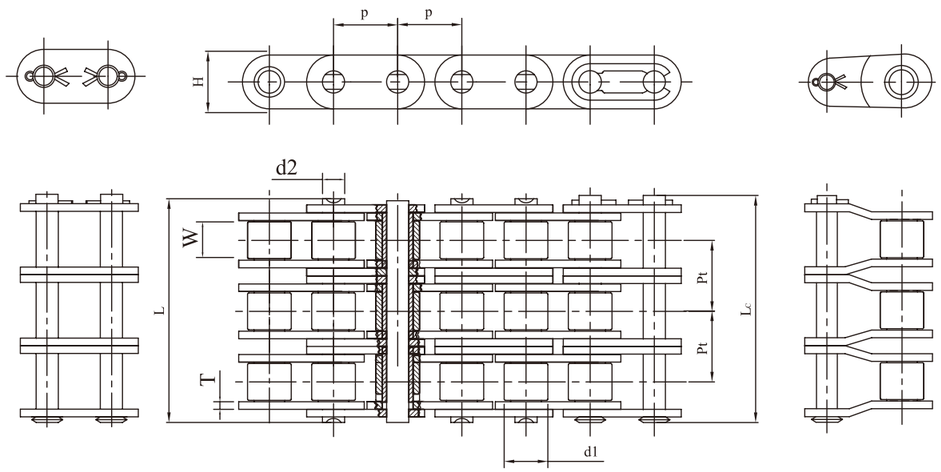
ISO Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
		P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min		Pt
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
05B-3	05B-3	8.0	3.0	5.0	2.31	20.90	22.90	7.11	0.75	1135	1475	5.65
06B-3	06B-3	9.525	5.72	6.35	3.28	34.05	37.0	8.26	1.40/1.10	2545	3308	10.24
08B-3	08B-3	12.70	7.75	8.51	4.45	44.90	48.0	11.81	1.50	4550	5915	13.92
10B-3	10B-3	15.875	9.65	10.16	5.08	53.20	56.0	14.73	1.70	6850	8905	16.59
12B-3	12B-3	19.05	11.68	12.07	5.72	61.70	65.70	16.13	1.80	8850	11505	19.46
16B-3	16B-3	25.40	17.02	15.88	8.28	99.90	104.0	21.08	4.0/3.0	16500	21450	31.88
20B-3	20B-3	31.75	19.56	19.05	10.19	116.10	121.0	26.42	4.50/3.50	25550	33215	36.45
24B-3	24B-3	38.10	25.40	25.40	14.63	150.20	155.20	33.40	6.0/5.0	44000	47000	48.36
28B-3	28B-3	44.45	30.99	27.94	15.90	184.30	190.30	37.08	7.40/6.40	54100	60000	59.56
32B-3	32B-3	50.80	30.99	29.21	17.81	184.50	190.50	42.29	7.0/6.0	68400	75000	58.55
40B-3	40B-3	63.50	38.10	39.37	22.89	227.20	234.20	52.96	8.50/8.0	97000	120000	72.29
48B-3	48B-3	76.20	45.72	48.26	29.24	281.60	288.60	63.88	12.0/9.50	153000	180000	91.21

B Series Flat Plate Roller Chain



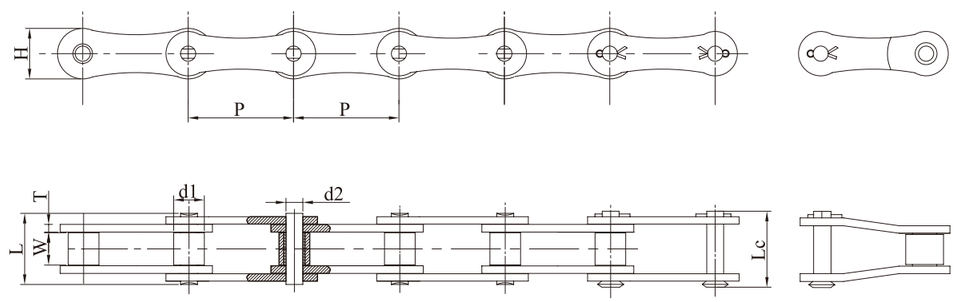
KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
	P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min		Pt
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
08BF	12.70	7.75	8.51	4.45	17.0	20.70	11.80	1.50	1820	1950	/
10BF	15.875	9.65	10.16	5.08	19.60	23.70	14.70	1.70	2270	2800	/
12BF	19.05	11.68	12.07	5.72	22.70	27.30	16.10	1.80	2950	3250	/
16BF	25.40	17.02	15.88	8.28	36.10	41.50	21.0	4.0/3.0	6130	7500	/
20BF	31.75	19.56	19.05	10.19	43.20	49.30	26.40	4.50/3.50	9700	10850	/
24BF	38.10	25.40	25.40	14.63	53.40	60.0	33.40	6.0/5.0	16330	18200	/
28BF	44.45	30.99	27.94	15.90	65.10	72.50	37.0	7.40/6.40	20410	23000	/
32BF	50.80	30.99	29.21	17.81	67.40	75.30	42.20	7.0/6.0	25520	28500	/
08BF-2	12.70	7.75	8.51	4.45	31.0	34.90	11.80	1.50	3180	3850	13.92
10BF-2	15.875	9.65	10.16	5.08	36.20	40.30	14.70	1.70	4550	5600	16.59
12BF-2	19.05	11.68	12.07	5.72	42.20	46.80	16.10	1.80	5900	6500	19.46
16BF-2	25.40	17.02	15.88	8.28	68.0	73.40	21.0	4.0/3.0	10820	15000	31.88
20BF-2	31.75	19.56	19.05	10.19	79.0	85.10	26.40	4.50/3.50	17350	21700	36.45
24BF-2	38.10	25.40	25.40	14.63	101.0	107.60	33.40	6.0/5.0	28580	36400	48.36
28BF-2	44.45	30.99	27.94	15.90	124.0	131.40	37.0	7.40/6.40	36740	46000	59.56
32BF-2	50.80	30.99	29.21	17.81	126.0	133.90	42.20	7.0/6.0	45920	57000	58.55

B Series Flat Plate Roller Chain



ISO Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
		P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min		Pt
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
08BF-3	08BF-3	12.70	7.75	8.51	4.45	44.90	48.0	11.80	1.50	4550	5915	13.92
10BF-3	10BF-3	15.875	9.65	10.16	5.08	52.80	56.0	14.70	1.70	6850	8905	16.59
12BF-3	12BF-3	19.05	11.68	12.07	5.72	61.70	65.70	16.10	1.80	8850	11505	19.46
16BF-3	16BF-3	25.40	17.02	15.88	8.28	99.90	104.0	21.0	4.0/3.0	16500	21450	31.88
20BF-3	20BF-3	31.75	19.56	19.05	10.19	116.10	121.0	26.40	4.50/3.50	25550	33215	36.45
24BF-3	24BF-3	38.10	25.40	25.40	14.63	150.20	155.20	33.40	6.0/5.0	44000	47000	48.36
28BF-3	28BF-3	44.45	30.99	27.94	15.90	184.30	190.3	37.0	7.40/6.40	54100	60000	59.56
32BF-3	32BF-3	50.80	30.99	29.21	17.81	184.50	190.50	42.20	7.0/6.0	68400	75000	58.55

Double Pitch Transmission Roller Chain

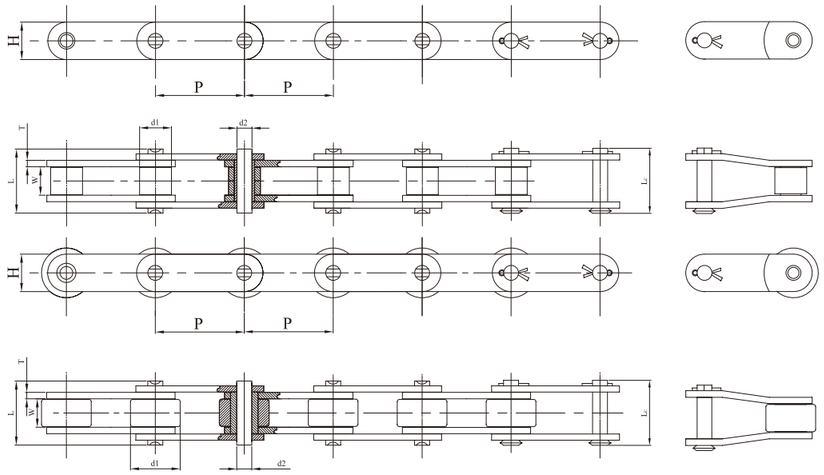


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
208A	2040	A2040	25.40	7.85	7.92	3.98	17.80	21.0	12.0	1.50	1420	1950	280
210A	2050	A2050	31.75	9.40	10.16	5.09	21.80	25.0	15.0	2.0	2220	3100	450
212A	2060	A2060	38.10	12.57	11.91	5.96	26.90	31.0	18.0	2.35	3190	4200	640

Double Pitch Conveyor Roller Chain

Standard roller chain

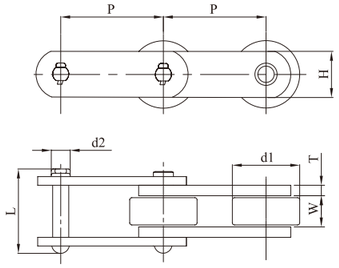
Roller chain with big rollers



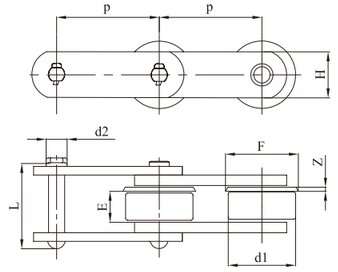
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
C208A	C2040	C2040	25.40	7.85	7.92	3.98	17.80	21.0	12.0	1.50	1420	1950	280
C208AL	C2042	C2042	25.40	7.85	15.88	3.98	17.80	21.0	12.0	1.50	1420	1950	280
C210A	C2050	C2050	31.75	9.40	10.16	5.09	21.80	25.0	15.0	2.0	2220	3100	450
C210AL	C2052	C2052	31.75	9.40	19.05	5.09	21.80	25.0	15.0	2.0	2220	3100	450

Large Pitch Conveyor Chain

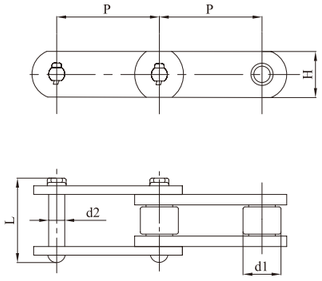
R Type Roller



F Type Roller

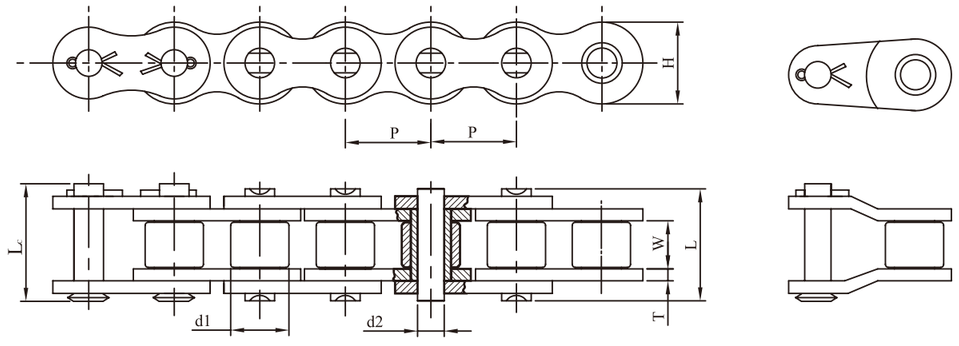


S Type Roller



KMC Chain No	Roller Model	Pitch	Roller Link Width	Roller Dimension						Link Plate Height	Link Plate Thickness	Pin Outer Diameter	Pin Length	Average Tensile Strength
				R Type Outer Diameter	F Type				S Type Outer Diameter					
					Outer Diameter	Roller Outer Diameter								
		P	W	d1	d1	F	E	Z	d1	H	T	d2	L	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf
C03100	R.F.S	100	16.10	31.80	31.80	42.0	12.0	4.30	15.90	22.0	3.20	8.0	38	3000
C05075	S	75	22.0	40.0	40.0	50.0	14.0	4.50	22.20	32.0	4.50	11.30	53.50	7000
C05100	R.F.S	100												
C05150	R.F.S	150												
C10100	R.F.S	100	30.0	50.80	50.80	65.0	20.0	7.0	29.0	38.10	6.30	14.50	69.0	10000
C10150	R.F.S	150												

Heavy Duty Short Pitch Precision Roller Chain

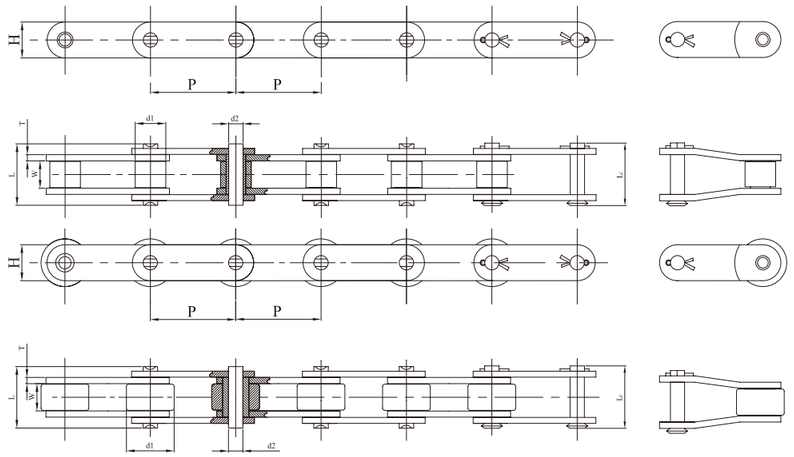


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load	Transverse Pitch Of Strand
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max	Pt
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf	mm
	25H	25H	6.35	3.10	3.30	2.31	9.00	10	5.90	1.0	550	650	100	/
	35HH	35HH	9.525	4.68	5.08	3.60	14.38	15.33	9.05	1.80	1300	1420	260	/
08AH	40H	40H	12.70	7.85	7.92	3.98	19.0	20.10	12.0	2.0	1700	2100	400	/
10AH	50H	50H	15.875	9.40	10.16	5.09	21.80	23.70	15.0	2.35	2670	3300	670	/
12AH	60H	60H	19.05	12.57	11.91	5.96	30.20	34.80	18.0	3.20	3830	4650	980	/
16AH	80H	80H	25.40	15.75	15.88	7.94	37.40	42.80	24.10	4.0	8000	9400	1700	/
20AH	100H	100H	31.75	18.90	19.05	9.54	44.50	50.60	30.10	4.70	10650	13700	2500	/
24AH	120H	120H	38.10	25.22	22.23	11.11	55.0	61.60	36.20	5.50	15320	19000	3350	/
28AH	140H	140H	44.45	25.22	25.40	12.71	59.0	66.40	42.20	6.40	20850	23000	4400	/
32AH	160H	160H	50.80	31.55	28.58	14.29	69.40	77.30	48.20	7.00	27240	31000	5750	/
12AH-2	60H-2	60H-2	19.05	12.57	11.91	5.96	56.30	60.90	18.0	3.20	7660	9300	1650	26.11
16AH-2	80H-2	80H-2	25.40	15.75	15.88	7.94	70.0	75.40	24.10	4.0	16000	18800	2800	32.59

Double Pitch Heavy Duty Conveyor Roller Chain

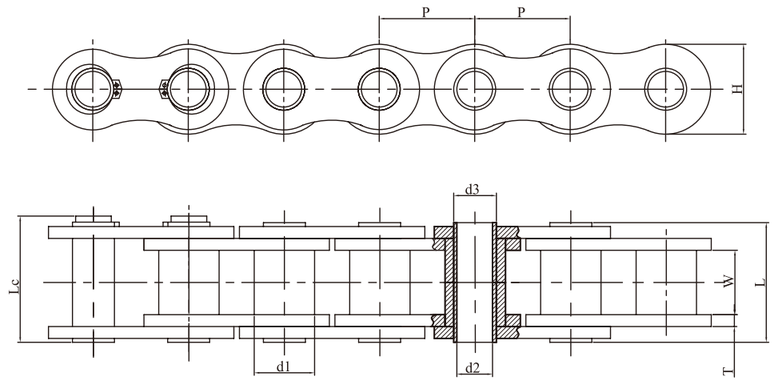
Standard roller chain

Roller chain with big rollers



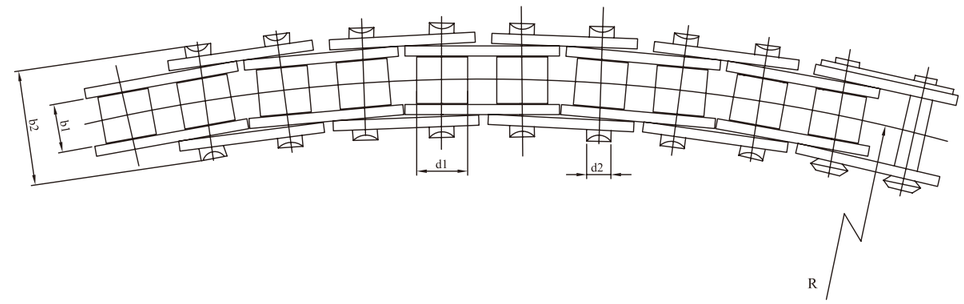
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
			mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
C212AH	C2060H	C2060H	38.10	12.57	11.91	5.96	30.20	34.80	18.0	3.20	3830	4400	640
C212AHL	C2062H	C2062H	38.10	12.57	22.23	5.96	30.20	34.80	18.0	3.20	3830	4400	640
C216AH	C2080H	C2080H	50.80	15.75	15.88	7.94	37.40	42.80	24.10	4.0	6820	8000	1100
C216AHL	C2082H	C2082H	50.80	15.75	28.58	7.94	37.40	42.80	24.10	4.0	6820	8000	1100
C220AH	C2100H	C2100H	63.50	18.90	19.05	9.54	44.50	50.60	30.10	4.7	10650	12500	1900
C220AHL	C2102H	C2102H	63.50	18.90	39.67	9.54	44.50	50.60	30.10	4.7	10650	12500	1900
C224AH	C2120H	C2120H	76.20	25.22	22.23	11.11	55.0	61.60	36.20	5.5	15320	17500	2550
C224AHL	C2122H	C2122H	76.20	25.22	44.45	11.11	55.0	61.60	36.20	5.5	15320	17500	2550
C232AH	C2160H	C2160H	101.60	31.55	28.58	14.29	69.40	77.30	48.20	7.0	27240	29500	4300
C232AHL	C2162H	C2162H	101.60	31.55	57.15	14.29	69.40	77.30	48.20	7.0	27240	29500	4300

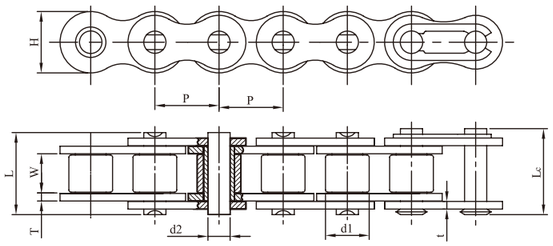
Hollow Pin Chain



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Inside Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
	P	W min	d1 max	d3 max	d2 max	L max	Lc max	H max	T	min		max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
40HP	12.70	7.85	7.95	5.63	4.0	16.50	17.60	12.0	1.50	1000	1200	180
50HP	15.875	9.40	10.16	7.03	5.12	20.70	21.90	15.0	2.0	1850	2100	320
60HP	19.05	12.57	11.91	8.31	5.98	25.80	26.80	18.0	2.35	2600	3000	440
80HP	25.40	15.75	15.88	11.40	7.96	32.50	33.80	24.0	3.20	5000	5500	790
C2040HP	25.40	7.85	7.92	5.63	4.0	16.50	17.60	12.0	1.50	1000	1200	180
C2050HP	31.75	9.40	10.16	7.22	5.12	20.7	21.90	15.0	2.0	1850	2100	320
C2060HP	38.10	12.57	11.91	8.31	5.98	25.80	26.80	17.0	2.35	2600	3000	440
C2080HP	50.80	15.75	15.88	11.40	7.96	32.50	33.80	24.0	3.20	5000	5500	790
C2042HP	25.40	7.85	15.88	5.63	4.0	16.50	17.60	12.0	1.50	1000	1200	180
C2052HP	31.75	9.40	19.05	7.22	5.12	20.7	21.90	15.0	2.0	1850	2100	320
C2062HP	38.10	12.57	22.23	8.31	5.98	25.80	26.80	17.0	2.35	2600	3000	440
C2082HP	50.80	15.75	28.58	11.40	7.96	32.50	33.80	24.0	3.20	5000	5500	790
C2082H-HP	50.80	15.75	28.58	11.40	7.96	36.20	37.60	24.0	4.0	5500	6000	870
CT-2HPX	50.80	15.30	38.10	14.28	9.70	36.30	37.60	27.0	4.0	6000	6500	950
08BHP	12.70	7.75	8.51	6.60	4.50	17.0	19.50	11.80	1.50	950	1100	165
10BHP	15.875	9.65	10.16	7.02	5.13	19.50	20.50	14.70	1.70	1050	1700	255
12BHP	19.05	11.68	15.88	8.09	6.00	22.70	23.90	16.10	1.80	1500	1800	270

Side Bow Chain

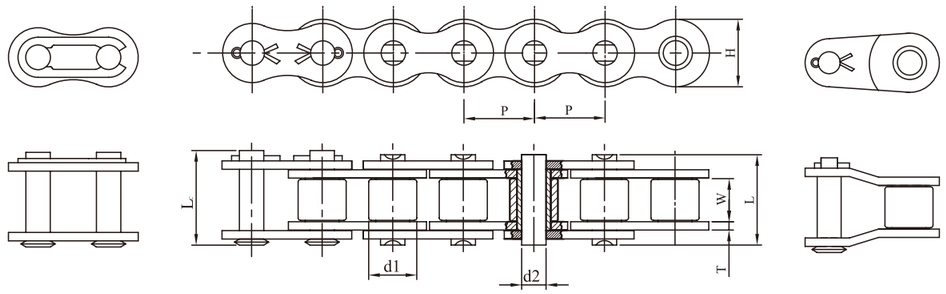




KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Side Bow Radius	Minimum Tensile Strength	Average Tensile Strength
	P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	R min	min	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
40FX	12.70	7.85	7.92	3.98	16.90	18.10	12.0	1.50	350	1420	1600
50FX	15.875	9.40	10.16	5.09	20.70	22.70	15.0	2.00	400	2220	2500
60FX	19.05	12.57	11.91	5.96	26.60	28.40	18.0	2.35	500	3190	3500
80FX	25.40	15.75	15.88	7.94	40.10	43.0	24.10	3.20	600	5680	6300

Stainless Steel Chain

With the same dimensions to short pitch precision roller chain, this kind of chain is made of SUS300 series superior stainless steel, which is excellent in corrosion-resistance, low magnetic and anti-high temperature. Widely used in food processing, drag administration and some other fields. The chain can also be used with attachments, based on your specific requirement.

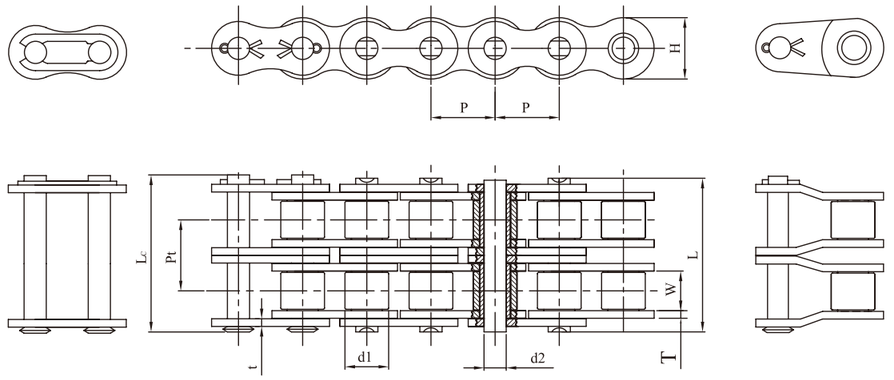


KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength
	P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min	
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
25SS	6.35	3.10	3.30	2.31	8.0	8.80	6.02	0.75	200	250
35SS	9.525	4.68	5.08	3.60	12.15	13.40	8.80	1.20	550	700
40SS	12.70	7.85	7.92	3.98	17.80	21.0	12.0	1.50	900	1100
50SS	15.875	9.40	10.16	5.09	21.80	25.0	15.0	2.0	1600	1900
60SS	19.05	12.57	11.91	5.96	26.90	31.0	18.0	2.35	2300	2700
80SS	25.40	15.75	15.88	7.94	33.50	38.0	24.10	3.20	4100	4500
06BSS	9.525	5.72	6.35	3.28	13.50	16.80	8.20	1.40/1.10	600	700
08BSS	12.70	7.75	8.51	4.45	17.0	20.70	11.80	1.50	1000	1250
10BSS	15.875	9.65	10.16	5.08	19.60	23.70	14.70	1.70	1300	1800
12BSS	19.05	11.68	12.07	5.72	22.70	27.30	16.10	1.80	1900	2300
16BSS	25.40	17.02	15.88	8.28	36.10	41.50	21.0	4.0/3.0	4100	4900

Stainless Steel Chain

CONTENTS OF THE PRODUCT

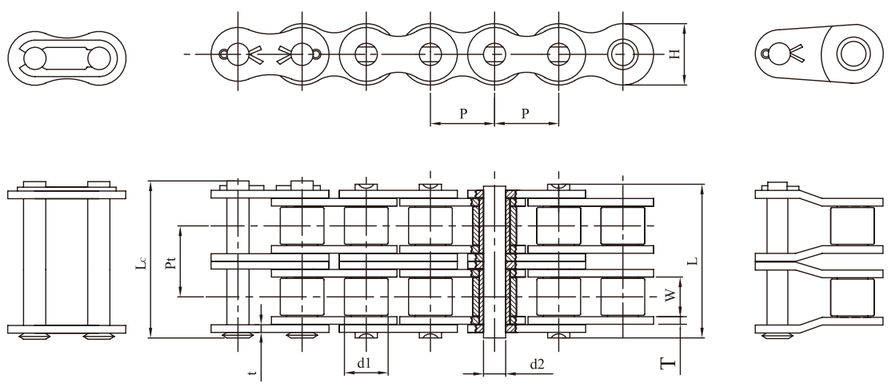
Double strand roller chain



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		Pt
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
40SS-2	12.70	7.85	7.92	3.98	32.30	36.20	12.0	1.50	2000	2500	14.38
50SS-2	15.875	9.40	10.16	5.09	39.90	44.0	15.0	2.0	3600	3800	18.11
60SS-2	19.05	12.58	11.91	5.96	49.80	54.40	18.0	2.35	4800	5300	22.78
80SS-2	25.40	15.75	15.88	7.94	62.70	68.10	24.10	3.20	9000	9160	29.29

Stainless Steel Chain

Double strand roller chain



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		Pt
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
06BSS-2	9.525	5.72	6.35	3.28	23.80	27.10	8.20	1.40/1.10	1100	1225	10.24
08BSS-2	12.70	7.75	8.51	4.45	31.0	34.90	11.80	1.50	2200	2580	13.92
10BSS-2	15.875	9.65	10.16	5.08	36.20	40.30	14.70	1.70	3000	3620	16.59
12BSS-2	19.05	11.68	12.07	5.72	42.20	46.80	16.10	1.80	3600	4200	19.46
16BSS-2	25.40	17.02	15.88	8.28	68.0	73.40	21.08	4.0/3.0	8800	9600	31.88

Rust & Corrosion Resistant Series Chain

Their dimensions and performance are similar to standard series since the chain components are under special surface treatment. Which is excellent in corrosion resistance, especial for RB series. The chain is well suited for costal region and other industrial polluted regions.

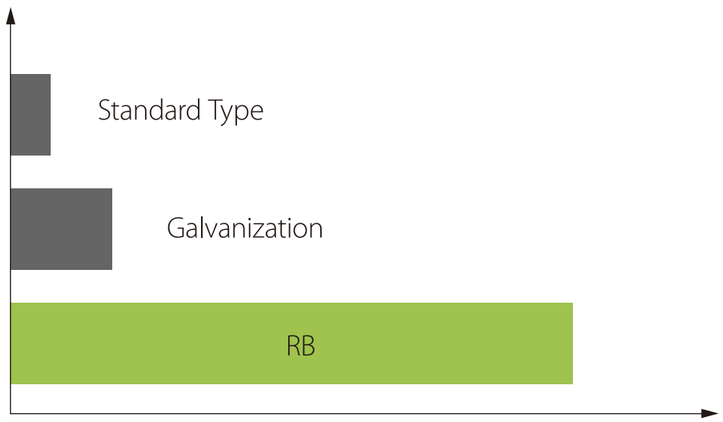
Galvanization Series

Copper Plated

Nickel Plated

RB Series

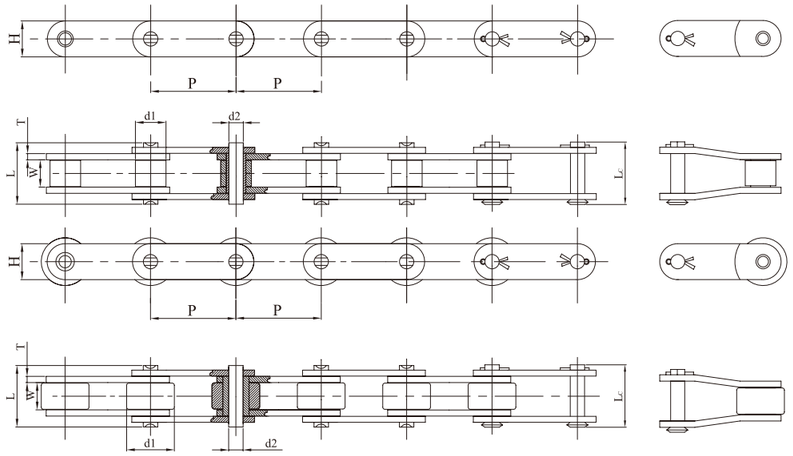
Rust-Resistance Ability



Double Pitch Stainless Steel Conveyor Roller Chain

Strand roller chain

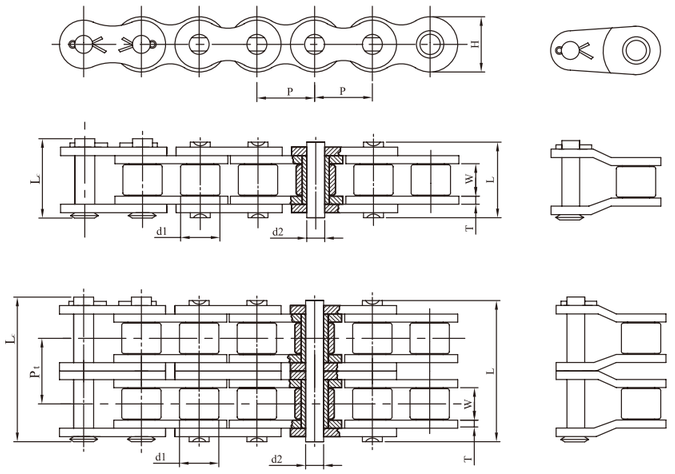
Roller chain with big rollers



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min	
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
C2040SS	25.40	7.85	7.92	3.98	17.80	21.0	12.0	1.50	1000	1250
C2042SS	25.40	7.85	15.88	3.98	17.80	21.0	12.0	1.50	1000	1250
C2050SS	31.75	9.40	10.16	5.09	21.80	25.0	15.0	2.0	1600	1900
C2052SS	31.75	9.40	19.05	5.09	21.80	25.0	15.0	2.0	1600	1900
C2060HSS	38.10	12.57	11.91	5.96	26.90	31.0	18.0	3.20	2600	3100
C2062HSS	38.10	12.57	22.23	5.96	26.90	31.0	18.0	3.20	2600	3100
C2080HSS	50.80	15.75	15.88	7.94	33.50	38.0	24.10	4.0	4700	5400
C2082HSS	50.80	15.75	28.58	7.94	33.50	38.0	24.10	4.0	4700	5400

Car Parking System Series Chain

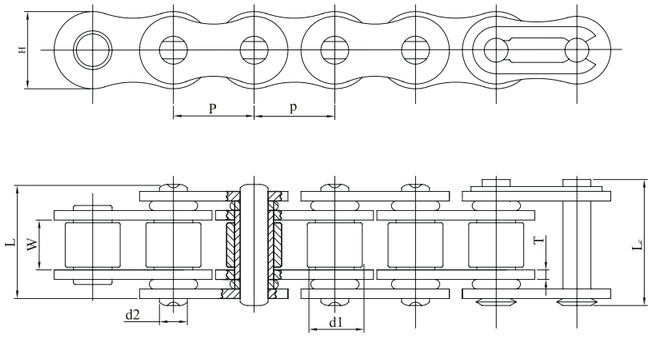
The series of chains have the same dimensions and configurations with the standard roller chains. By using superior alloy steel material and proceeded with special heat treatment, the chains could have longer wear lives.

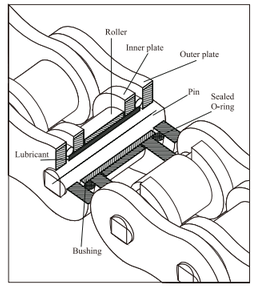


KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Transverse Pitch Of Strand
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		Pt
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	mm
40PE	12.70	7.85	7.92	3.98	17.80	21.0	12.0	1.50	1800	2100	/
50PE	15.875	9.40	10.16	5.09	21.80	25.0	15.0	2.0	2600	3200	/
60PE	19.05	12.57	11.91	5.96	26.90	31.0	18.0	2.35	3600	4500	/
80PE	25.40	15.75	15.88	7.94	33.50	38.0	24.10	3.20	7300	8000	/
100PE	31.75	18.90	19.05	9.54	41.10	47.0	30.10	4.0	11200	13000	/
120PE	38.10	25.22	23.23	11.11	50.80	57.0	36.20	4.70	14500	18000	/
160PE	50.80	31.55	28.58	14.29	65.50	73.0	48.20	6.40	26000	32000	/
80HPE	25.40	15.75	15.88	7.94	37.40	42.80	24.10	4.0	8300	9500	/
120HPE	38.10	25.22	22.23	11.11	55.0	61.60	36.20	5.5	17000	20000	/
140HPE	44.45	25.22	25.40	12.71	59.0	66.40	42.20	6.40	23000	26500	/
160HPE	50.80	31.55	28.58	14.29	69.40	77.30	48.20	7.90	28000	32500	/
60PE-2	19.15	12.57	11.91	5.96	49.80	54.40	18.0	2.35	72000	90000	22.78
80PE-2	25.40	15.75	15.88	7.94	62.70	68.10	24.10	3.20	14600	16000	29.29
100PE-2	31.75	18.90	19.05	9.54	77.0	83.10	30.10	4.0	22400	26000	35.76
120PE-2	38.10	25.22	23.23	11.11	96.30	102.90	36.20	4.70	29000	36000	45.44
140PE-2	44.45	25.22	25.40	12.71	103.60	111.0	42.23	5.50	38000	42000	48.87
160PE-2	50.80	31.55	28.58	14.29	124.20	132.10	48.26	7.90	47000	60000	58.55

O-ring Chain

O-ring chain is specially designed for applications that don't permit regular lubrication, reguiring to depend entirely upon initial factory lubrication throughout its service life. The chain can provide up to ten times of the wear life to standard chain. O-ring chain is constructed with O-rings that seal a specially formulated lubricant into every joint. The sealed-in lubricant is essential for the chain's optimum wear life.

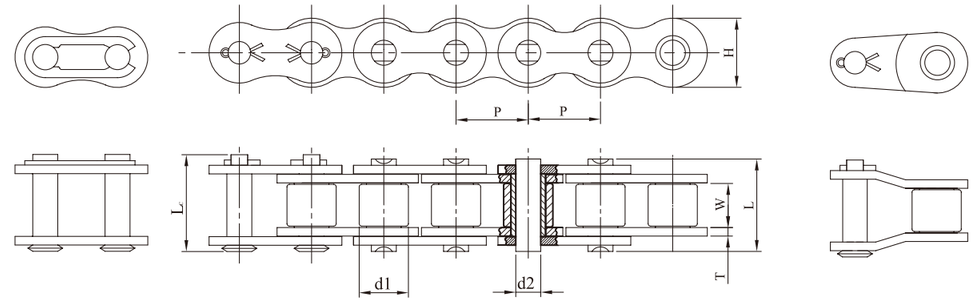




KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
40RO	12.70	7.85	7.92	3.98	19.80	21.80	12.0	1.50	1650	2000	280
50RO	15.875	9.40	10.16	5.09	23.50	25.70	15.0	2.0	2550	3000	440
60RO	19.05	12.57	11.91	5.94	28.80	31.50	17.80	2.35	3600	4200	620
80RO	25.40	15.75	15.88	7.94	40.10	43.0	23.40	3.20	5900	8500	990
08BRO	12.70	7.75	8.51	4.45	19.60	21.60	11.80	1.50	1820	1950	280

Self-Lubrication Roller Chain

Bushings are made of well chosen material, and pins are proceeding with special surface treatment so as to improve the wearing life in the process of operation. The lubrcation to the pin and bushing joint could be regularly maintained.

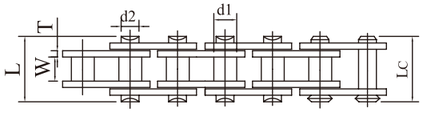


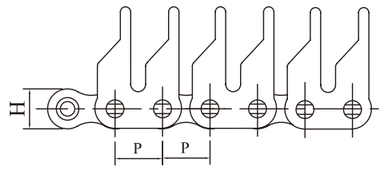
KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness		Minimum Tensile Strength	Average Tensile Strength
	P	25	d1 max	d2 max	L max	Lc max	H max	T	T1	min	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
40PM	12.70	7.85	7.92	3.98	17.80	21.0	12.0	1.50	2.0	1420	1950
50PM	15.875	9.40	10.16	5.09	21.80	25.0	15.0	2.0	2.35	2220	3100
60PM	19.05	12.57	11.91	5.94	26.90	31.0	17.10	2.35	3.20	3190	4400
80PM	25.40	15.88	15.88	7.94	33.50	38.0	24.10	3.20	4.0	5680	7500
60FPM	19.05	12.58	11.91	5.94	26.90	31.0	18.0	2.35	3.20	3190	4400
08BPM	12.70	7.75	8.51	4.45	17.0	20.70	11.80	1.50	1.50	1820	1950
10BPM	15.875	9.65	10.16	5.08	19.60	23.70	14.70	1.70	1.70	2700	2800
12BPM	19.05	11.68	12.07	5.72	22.70	27.30	16.10	1.80	1.80	2950	3250
16BPM	25.40	17.02	15.88	8.28	36.10	41.50	21.0	3.0	3.0/4.0	6130	7600

Electronic Parts Conveyor Chain

Body is the bushing chain, and the attachment is manufactured by using SUS 300 series superb stainless steel. The chains are also excellent in corrosion resistance, low magnetic and anti-high temperature. Widely used in the conveyor of the electronics.

T Type





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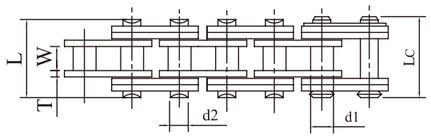

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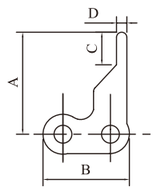

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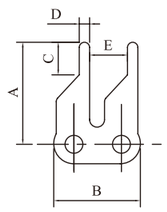

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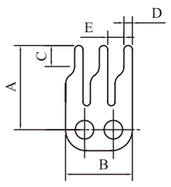

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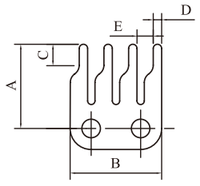
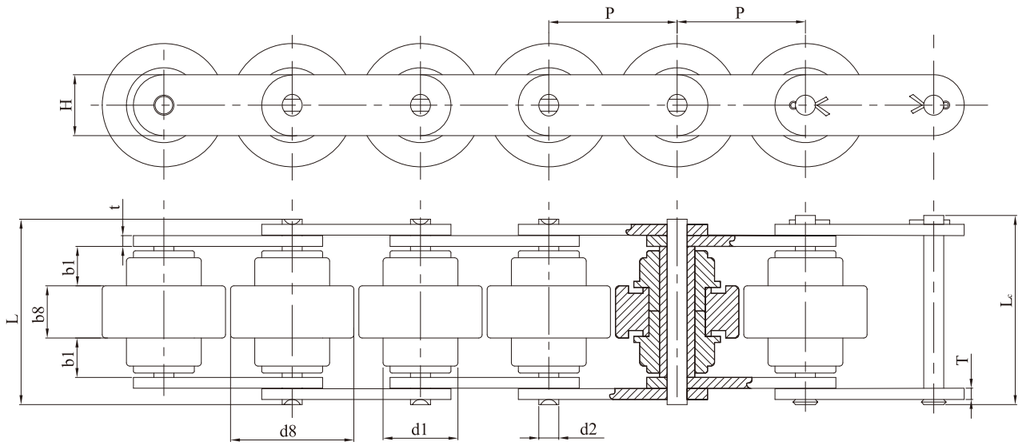


KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength
	P	W min	d1 max	d2 max	L max	Lc max	H max	T	min	
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
35-T	9.525	4.68	5.08	3.60	13.10	14.50	9.60	1.15	800	1150
35-TP	9.525	4.68	5.08	3.60	14.50	15.80	9.60	1.15	800	1150

Attachment	A	B	C	D	E
1T	19.60	17.92	6.45	2.65	/
2T	19.60	17.15	6.45	2.05	7.55
3T(23.60)	18.90	17.50	7.80	2.0	3.80
3T(19.80)	15.10	16.95	5.90	2.0	4.80
4T	15.20	17.50	6.0	1.60	3.70

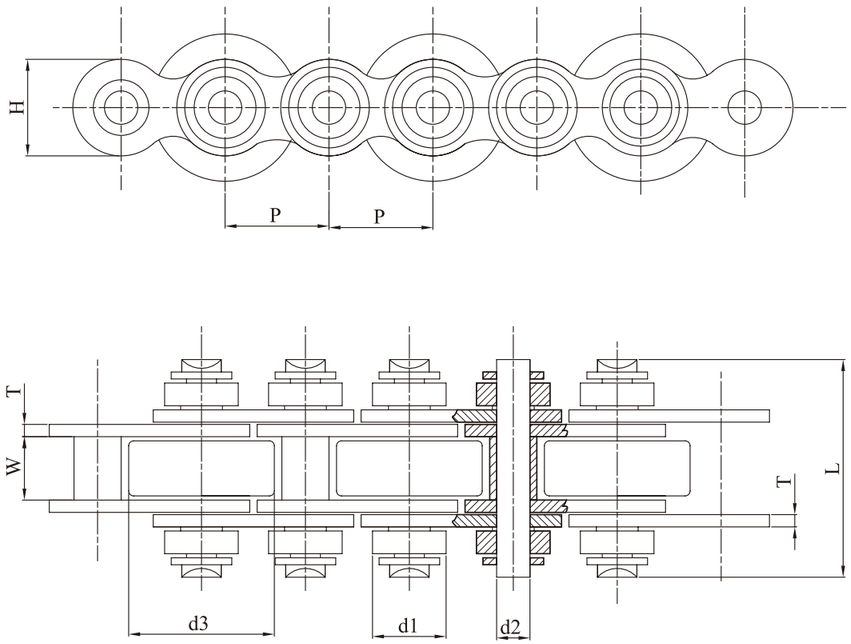
Free Flow Chain



GB/JB Chain No	KMC Chain No	Pitch	Roller Dimension				Pin Dimension			Plate Dimension		
		P	d1 max	d8 max	b1 max	b8 max	d2 max	L max	Lc max	H max	T max	t max
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
BS30-C212A	C2060T	38.10	18.0	38.0	9.57	20.0	5.94	58.10	62.70	15.0	3.20	4.0

Note: The big rollers is plastic material.

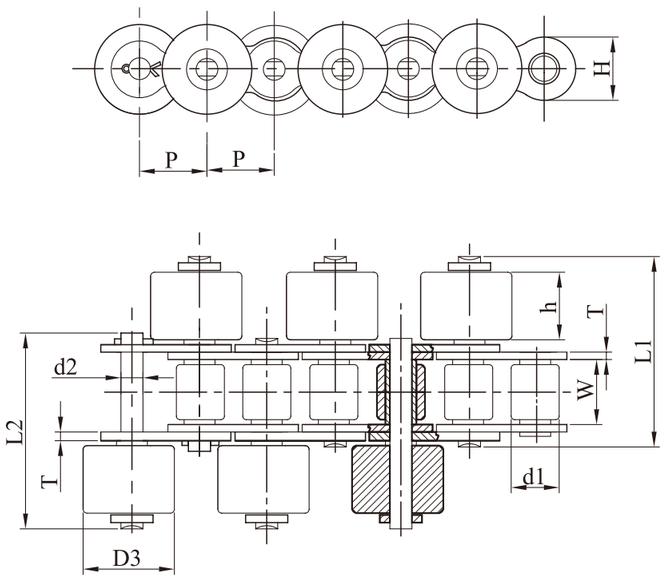
Free Flow Chain



KMC Chain No	Pitch	Roller Outer Diameter		Roller Link Width	Pin Outer Diameter	Pin Length	Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength
	P	d1 max	d2 max	W min	d2 max	L max	H max	T/t	min	
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf
462SF	12.70	8.50	18.0	7.75	4.45	27.20	11.80	1.50	1820	1950
548SF	25.40	15.86	38.45	15.75	8.28	65.20	30.10	4.0/3.0	6130	7500

Side-Roller Chain

Side Rollers

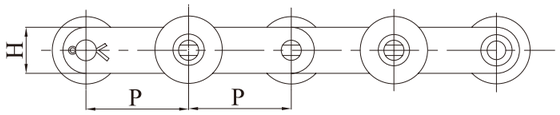


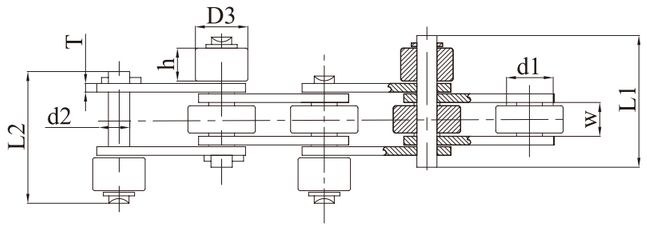
KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length				Sprocket Dimension	Sprocket Height	Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
	P	W min	d1 max	d2 max	L1 max	L2 max	L3 max	L4 max	D3	h	H max	T	min		max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
40-PSR	12.70	7.85	7.92	3.98	25.80	27.70	35.30	37.20	15.88	7.80	12.0	1.50	1700	1600	272
40-SSR															
50-PSR	15.875	9.40	10.16	5.09	31.20	33.70	42.30	44.80	19.05	9.40	15.0	2.0	2800	2710	461
50-SSR															
60-PSR	19.05	12.57	11.91	5.94	39.45	41.80	55.95	58.30	24.0	12.60	18.0	2.35	3800	3200	544
60-SSR															
80-PSR	25.40	15.75	15.87	7.94	50.90	54.30	69.60	73.0	28.58	15.70	24.1	3.20	8000	7300	1241
80-SSR															

Note: 1. SSR stands for Carbon Material of the Side Rollers
2. PSR stands for Plastic Material of the Side Rollers

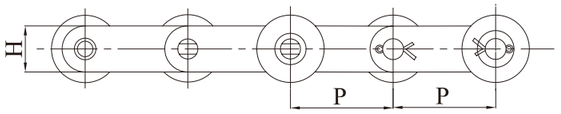
Double Pitch Side-Roller Chain

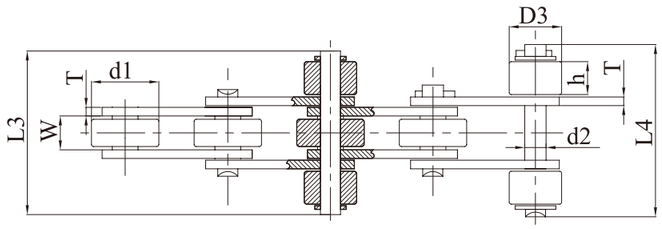
SG Side Rollers





SR Parallel Type

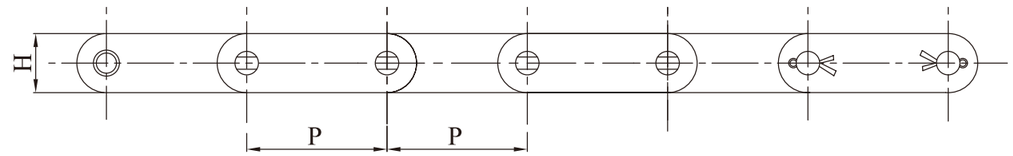


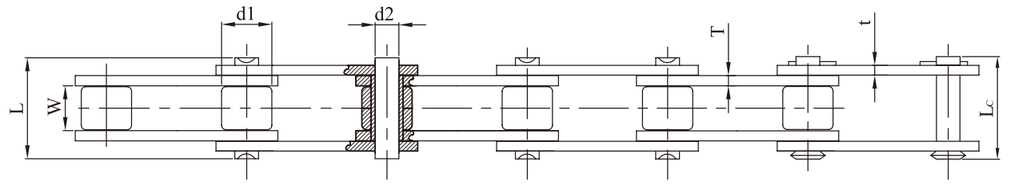


KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length				Sprocket Dimension	Sprocket Height	Link Plate Height	Link Plate Thickness
	P	W min	d1 max	d2 max	L1 max	L2 max	L3 max	L4 max	D3	h	H max	T
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2060H-SG-SSR	38.10	12.57	11.91	5.96	43.90	46.30	58.50	60.90	22.23	12.60	18.0	3.20
C2062H-SG-SSR			22.23						30.0			
C2080H-SG-SSR	50.80	15.75	15.88	7.94	54.20	57.40	72.20	75.40	28.58	15.70	24.10	4.00
C2082H-SG-SSR			25.58						38.10			

Note: 1. SSR stands for Carbon Material of the Side Rollers
2. PSR stands for Plastic Material of the Side Rollers

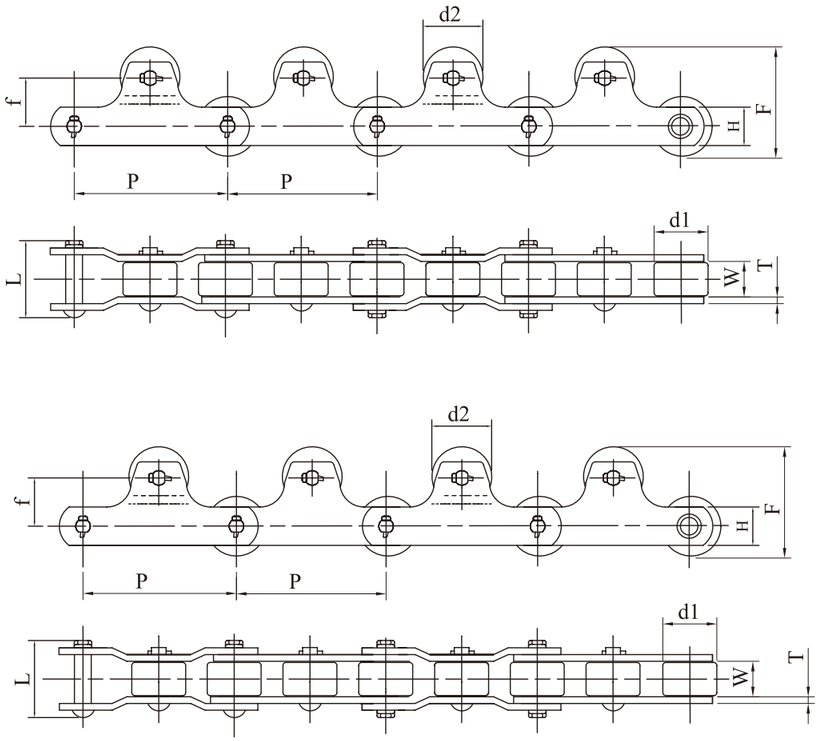
Lumber Conveyor Chain





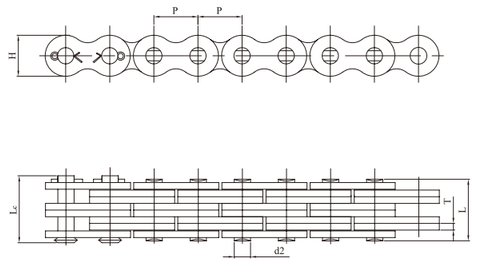
KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
	P	W min	d1 max	d2 max	L max	Lc max	H max	T/t	min		max
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
81X	66.27	27.0	23.0	11.12	49.0	53.50	28.50	4.0	10900	6000	1850
81XH	66.27	27.78	23.0	11.12	60.70	65.10	31.35	7.70/6.0	15500	12000	2550
81XHH	66.27	27.78	23.0	11.12	65.60	70.0	31.35	7.70	19500	23000	3400

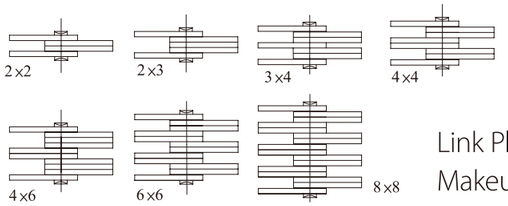
Top Roller Chain



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter		Pin Length	Link Plate Height	Link Plate Thickness			Allowed Load
	P	W min	d1 max	d2 max	L max	H max	T	F	f	
	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
03075R-TR 03100R-TR	75 100	16.10	31.80	40.0	38.0	22.0	3.20	59.0	23.10	3000
05100R-TR 05150R-TR	100 150	22.0	40.0	40.0	53.50	32.0	4.50	70.0	30.0	7000
08150R-TR	150	27.0	44.50	40.0	65.50	28.60	6.30	72.20	30.0	8000
10150R-TR	150	30.0	50.80	50.80	69.0	38.10	6.30	80.80	30.0	11500
12200R-TR	200	37.10	65.0	65.0	83.50	44.50	7.90	110.0	45.0	19000
17200R-TR	200	51.40	80.0	80.0	109.50	50.80	9.50	145.0	65.0	25000

Leaf Chain

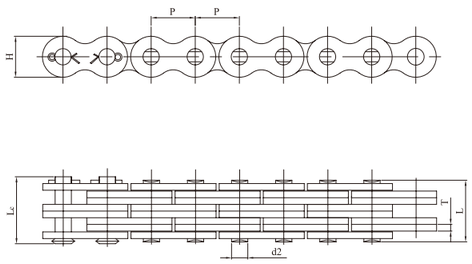


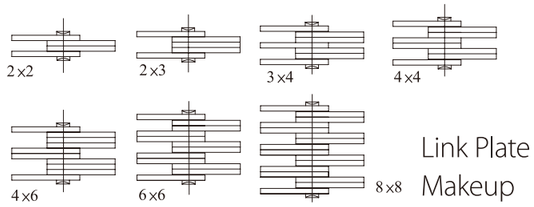


Link Plate Makeup

ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Makeup	Link Plate Height	Link Plate Thickness	Pin Outer Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P		H max	T max	D2 max	L max	min		max
			mm		mm	mm	mm	mm	kgf	kgf	kgf
LH1022	BL522	BL522	15.875	2x2	15.09	2.4	5.96	12.9	3410	4450	700
LH1023	BL523	BL523	15.875	2x3	15.09	2.4	5.96	15.3	3410	4450	700
LH1034	BL534	BL534	15.875	3x4	15.09	2.4	5.96	20.3	5000	6550	850
LH1044	BL544	BL544	15.875	4x4	15.09	2.4	5.96	22.6	6810	8700	960
LH1046	BL546	BL546	15.875	4x6	15.09	2.4	5.96	27.6	6810	8700	960
LH1066	BL566	BL566	15.875	6x6	15.09	2.4	5.96	32.6	10220	12900	1650
LH1088	BL588	BL588	15.875	8X8	15.09	2.4	5.96	42.5	13620	17350	2300
LH1222	BL622	BL622	19.05	2x2	18.11	3.2	7.94	17.3	5000	6450	1000
LH1223	BL623	BL623	19.05	2x3	18.11	3.2	7.94	20.7	5000	6450	1000
LH1234	BL634	BL634	19.05	3x4	18.11	3.2	7.94	27.4	7720	10622	1250
LH1244	BL644	BL644	19.05	4x4	18.11	3.2	7.94	30.7	12400	12633	1400
LH1246	BL646	BL646	19.05	4x6	18.11	3.2	7.94	37.4	12400	12633	1400

Leaf Chain

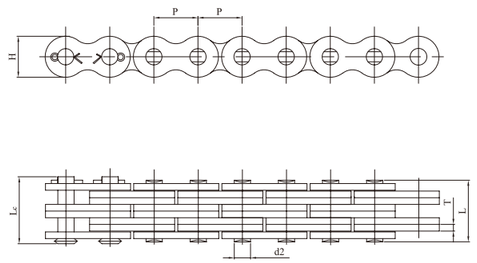


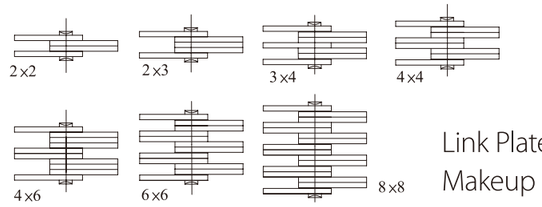


Link Plate Makeup

ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Makeup	Link Plate Height	Link Plate Thickness	Pin Outer Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P		H max	T max	D2 max	L max	min		max
			mm		mm	mm	mm	mm	kgf	kgf	kgf
LH1266	BL666	BL666	19.05	6x6	18.1	3.2	7.94	44.2	14980	19500	2500
LH1288	BL688	BL688	19.05	8x8	18.1	3.2	7.94	57.6	20000	25000	3200
LH1622	BL822	BL822	25.4	2x2	24.1	4.0	9.54	21.3	8630	11050	1750
LH1623	BL823	BL823	25.4	2x3	24.1	4.0	9.54	25.4	8630	11050	1750
LH1634	BL834	BL834	25.4	3x4	24.1	4.0	9.54	33.7	13170	17500	2100
LH1644	BL844	BL844	25.4	4x4	24.1	4.0	9.54	37.8	17250	21950	2400
LH1646	BL846	BL846	25.4	4x6	24.1	4.0	9.54	46.1	17250	21950	2400
LH1666	BL866	BL866	25.4	6x6	24.1	4.0	9.54	54.4	25880	33500	4250
LH2022	BL1022	BL1022	31.75	2x2	30.1	4.7	11.11	25.3	11800	15500	2650
LH2023	BL1023	BL1023	31.75	2x3	30.1	4.7	11.11	30.3	11800	15500	2650
LH2034	BL1034	BL1034	31.75	3x4	30.1	4.7	11.11	40.2	18650	24000	3200
LH2044	BL1044	BL1044	31.75	4x4	30.1	4.7	11.11	45.1	23610	30000	3700
LH2046	BL1046	BL1046	31.75	4x6	30.1	4.7	11.11	55.0	23610	30000	3700
LH2066	BL1066	BL1066	31.75	6x6	30.1	4.7	11.11	64.9	35410	43950	6050
LH2422	BL1222	BL1222	38.1	2x2	36.2	5.6	12.71	29.5	15440	19800	3750

Leaf Chain



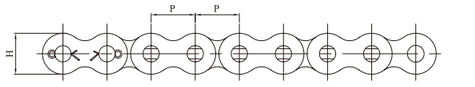


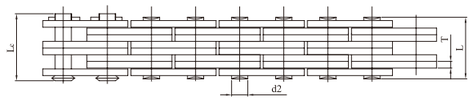
Link Plate Makeup

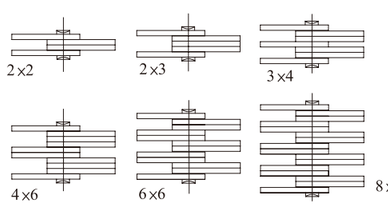
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Makeup	Link Plate Height	Link Plate Thickness	Pin Outer Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
			P		H max	T max	D2 max	L max	min		max
			mm		mm	mm	mm	mm	kgf	kgf	kgf
LH2423	BL1223	BL1223	38.1	2x3	36.2	5.6	12.71	35.4	15440	19800	3750
LH2434	BL1234	BL1234	38.1	3x4	36.2	5.6	12.71	47.0	24970	32500	4500
LH2444	BL1244	BL1244	38.1	4x4	36.2	5.6	12.71	52.8	30870	40000	5200
LH2446	BL1246	BL1246	38.1	4x6	36.2	5.6	12.71	64.4	30870	40000	5200
LH2466	BL1266	BL1266	38.1	6x6	36.2	5.6	12.71	76.0	54000	56000	7750
LH2834	BL1434	BL1434	44.45	3x4	42.24	6.4	14.29	53.3	32230	38100	6000
LH2844	BL1444	BL1444	44.45	4x4	42.24	6.4	14.29	59.9	39040	43000	6900
LH2888	BL1488	BL1488	44.45	8x8	42.24	6.4	14.29	112.7	78070	93000	12900
LH3288	BL1688	BL1688	50.8	8x8	48.26	7.0	17.46	129.8	118010	140000	17500
LH3222	BL1622	BL1622	50.8	2x2	48.26	7.0	17.46	39	29510	34800	6000
LH3223	BL1623	BL1623	50.8	2x3	48.26	7.0	17.46	46.6	29510	34800	6000
LH3234	BL1634	BL1634	50.8	3x4	48.26	7.0	17.46	61.7	44350	54000	7200
LH3244	BL1644	BL1644	50.8	4x4	48.26	7.0	17.46	69.2	59010	70500	8200
LH3246	BL1646	BL1646	50.8	4x6	48.26	7.0	17.46	84.4	59010	70500	8200
LH3266	BL1666	BL1666	50.8	6x6	48.26	7.0	17.46	99.5	88510	105200	13000

CONTENTS OF THE PRODUCT

Leaf Chain





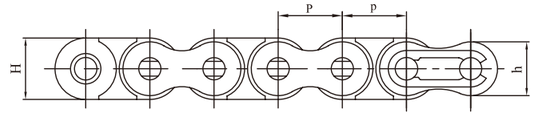


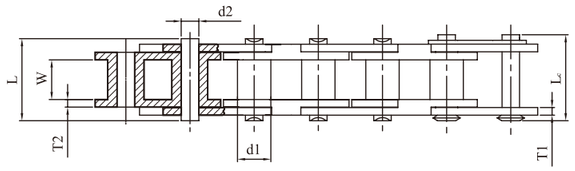
Link Plate Makeup

KMC Chain No	Pitch	Link Plate Makeup	Link Plate Height	Link Plate Thickness	Pin Outer Diameter	Pin Length	Minimum Tensile Strength	Average Tensile Strength	Allowed Load
	P		H max	T max	d2 max	L max	min		max
	mm		mm	mm	mm	mm	kgf	kgf	kgf
AL522	15.875	2×2	13.72	2.00	5.09	11.05	2200	3000	330
AL523	15.875	2×3	13.72	2.00	5.09	13.10	2200	3000	330
AL544	15.875	4×4	13.72	2.00	5.09	19.40	4500	6050	675
AL566	15.875	6×6	13.72	2.00	5.09	27.50	6700	9000	1000
AL622	19.05	2×2	16.13	2.35	5.96	13.00	3250	4250	506
AL623	19.05	2×3	16.13	2.35	5.96	15.50	4060	4350	506
AL644	19.05	4×4	16.13	2.35	5.96	22.70	6500	8550	975
AL666	19.05	6×6	16.13	2.35	5.96	32.20	10250	12500	1530
AL688	19.05	8×8	16.13	2.35	5.96	42.20	13000	15600	2040
AL844	25.40	4×4	21.08	3.20	7.94	29.40	12000	15000	1800
AL866	25.40	6×6	21.08	3.20	7.94	44.20	18000	24000	2700
AL888	25.40	8×8	21.08	3.20	7.94	56.50	24000	30000	3600

Engineering Plastic Inner Link Chain

The series chain is designed from short pitch precise bushing chain, with such advantage as low noise, light weight, corrosion resistance and anti-magnetic, the chain is widely used in electronic, food, chemical and other manufacturing industres.

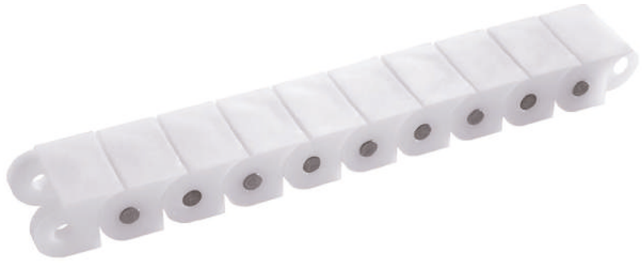


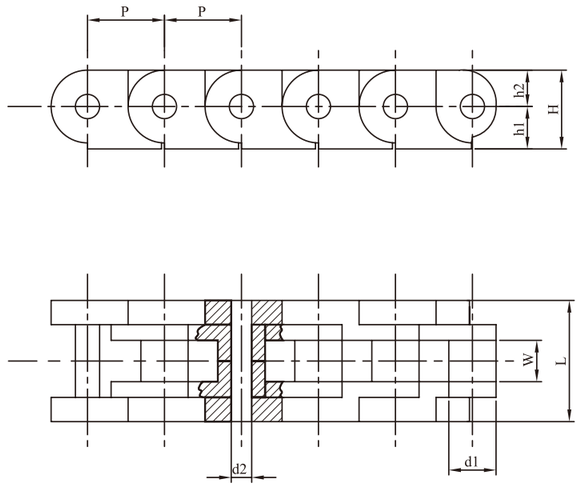


KMC Chain No	Pitch	Poller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Inner Link Height	Inner Link Thickness	Outer Plate Height	Outer Plate Thickness	Allowed Load
	P	W min	d1 max	d2 max	L max	Lc max	H max	T2	h	T1	max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf
PC35	9.525	4.68	5.08	3.60	14.10	16.20	9.05	2.2	7.8	1.2	120

Engineering Plastic Conveyor Chain

With the plastic pitch and the stainless steel pin, chain has such advantages as low noise, light weight and non-magnetic permeability, It is suitable in -20℃ - -80℃ environment and widely used in chemical and other production equipments.

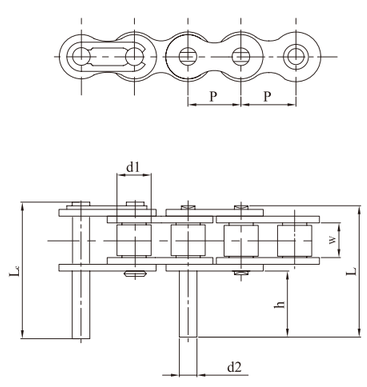




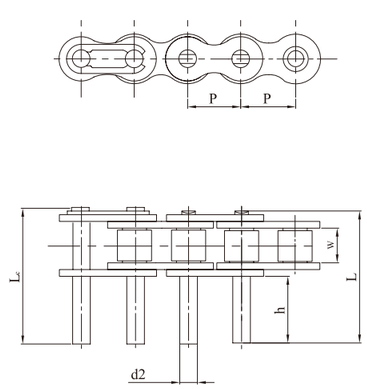
KMC Chain No	P	W min	d1 max	D2	L	H	h1	h2	Allowed Load
	mm	mm	mm	mm	mm	mm	mm	mm	kgf
40P	12.70	7.95	7.94	4	20	12.7	6.65	6.7	45
60P	19.05	12.30	11.91	6	30	17.3	8.80	8.8	90

Extended Pin Roller Chain

D1



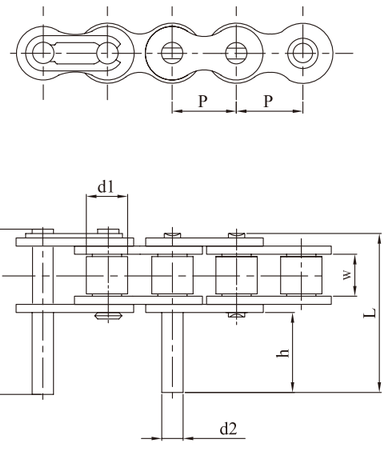
D3



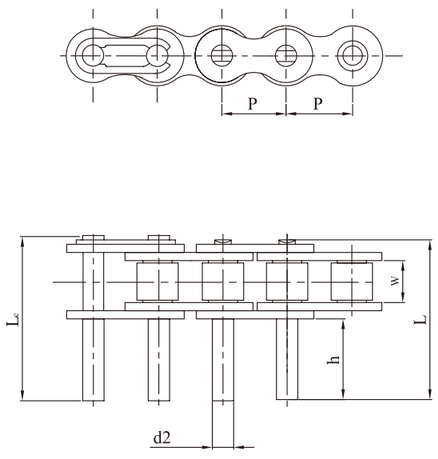
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Height Of Extended Pin
			P	W min	d1 max	d2 max	L max	Lc max	h
			mm	mm	mm	mm	mm	mm	mm
04C	25	25	6.35	3.10	3.30	2.31	10.20	11.10	2.8
							20.90	21.80	13.5
06C	35	35	9.525	4.68	5.08	3.60	14.05	15.05	3.0
							16.00	17.00	5.0
							18.00	18.95	7.0
							14.60	15.60	3.4
							15.00	16.00	3.8
							15.80	16.80	4.6
							18.20	19.20	7.0
							20.80	21.60	9.5
							21.00	22.05	10.0
							26.00	27.05	15.0
08A	40	40	12.70	7.85	7.92	3.98	25.15	26.20	9.50
							31.10	32.25	15.40
10A	50	50	15.875	9.40	10.16	5.09	31.30	33.10	11.90
							38.35	39.60	19.05
12A	60	60	19.05	12.57	11.91	5.96	38.60	40.60	14.30
16A	80	80	25.40	15.75	15.88	7.94	50.30	53.30	19.10
20A	100	100	31.75	18.90	19.05	9.54	61.80	66.10	23.80

Extended Pin Roller Chain

D1



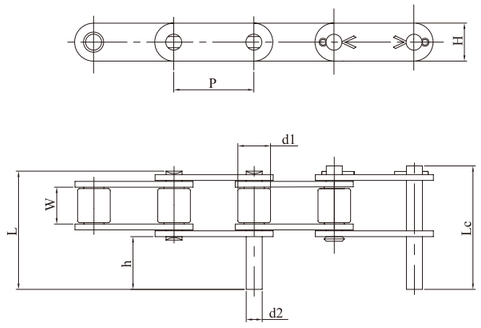
D3



KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Height Of Extended Pin
	P	W min	d1 max	d2 max	L max	Lc max	h
	mm	mm	mm	mm	mm	mm	mm
05B	8.00	3.00	5.00	2.31	10.40	11.10	3.00
					10.90	11.60	3.50
					12.40	13.10	5.00
					14.40	15.10	7.00
08B	12.70	7.75	8.51	4.45	25.10	26.60	9.5
10B	15.875	9.65	10.16	5.08	30.10	31.50	11.9
12B	19.05	11.68	12.07	5.72	35.40	37.10	14.3
16B	25.40	17.02	15.88	8.28	53.00	54.30	19.1
35SS	9.525	4.68	5.08	3.60	11.60	12.60	3.0
40SS	12.70	7.85	7.92	3.98	19.65	21.10	3.0
							4.0
					20.65	22.10	5.0

Double Pitch Extended Pin Roller Chain

D1



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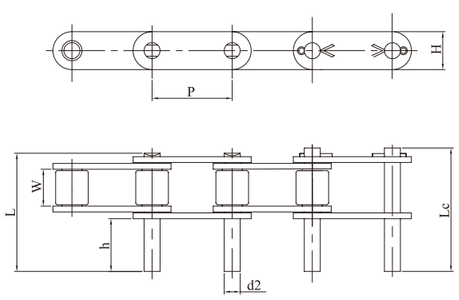
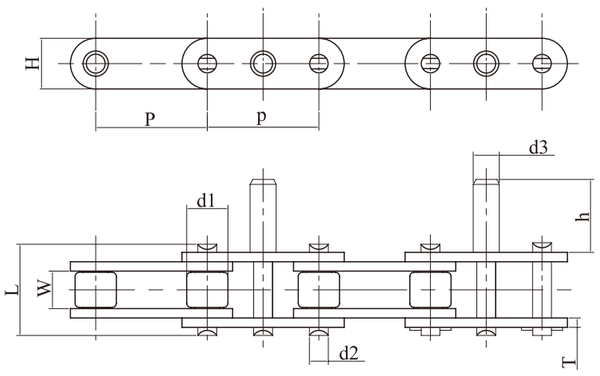


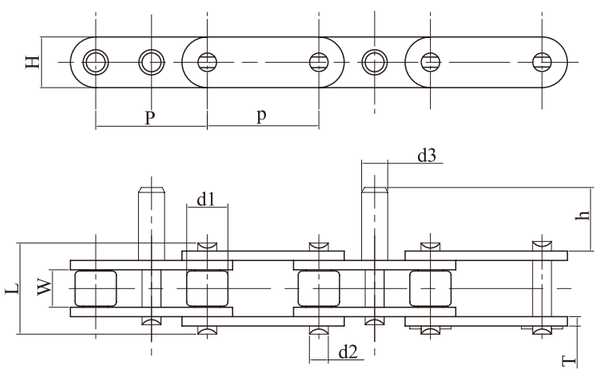
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Height Of Extended Pin	Link Plate Height
			P	W min	d1 max	d2 max	L max	Lc max	h	H max
			mm	mm	mm	mm	mm	mm	mm	mm
C208A	C2040	C2040	25.4	7.85	7.92	3.98	25.1	26.2	9.5	12.0
C208AL	C2042	C2042	25.4	7.85	15.88	3.98	25.1	26.2	9.5	12.0
C210A	C2050	C2050	31.75	9.4	10.16	5.09	31.3	33.1	11.9	15.0
C210AL	C2052	C2052	31.75	9.4	19.05	5.09	31.3	33.1	11.9	15.0
C212AH	C2060H	C2060H	38.1	12.57	11.91	5.96	42	43.8	14.3	18.0
C212AHL	C2062H	C2062H	38.1	12.57	22.23	5.96	42	43.8	14.3	18.0
C216HL	C2080H	C2080H	50.8	15.75	15.88	7.94	53.5	55	19.1	24.1
C216AHL	C2082H	C2082H	50.8	15.75	28.58	7.94	53.5	55	19.1	24.1

Double Pitch Extended Pin Roller Chain

D5



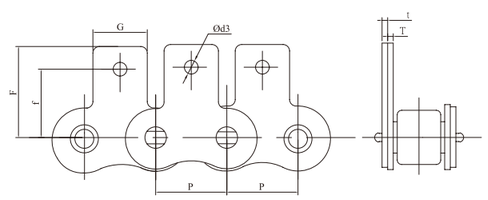
2D5



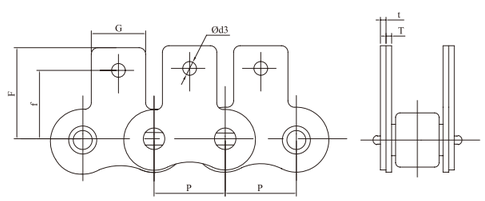
KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length	Link Plate Height	Link Plate Thickness	Height Of Extended Pin	Extending Pin Diameter
	P	W min	d1 max	d2 max	L max	H max	T	h	d3
	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2060H-D5	38.10	12.57	11.91	5.96	30.20	17.30	3.20	41.20	12.70
								41.30	17.70
C2060H-2D5-1/2"	38.10	12.57	11.91	5.96	30.20	17.30	3.20	41.20	12.70
C2060H-2D5-9/16"	38.10	12.57	11.91	5.96	30.20	17.30	3.20	41.20	14.30

Standard Roller Chain Attachments

SA-1



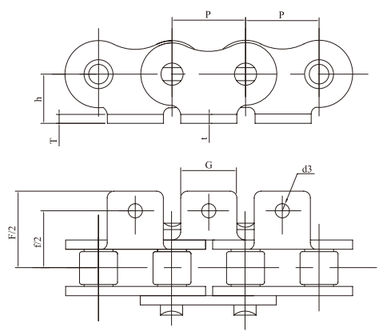
SK-1



ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Attachment Thickness	Attachment Dimension			
			P	T/t	G	F	f	d3
			mm	mm	mm	mm	mm	mm
08A	40	40	12.70	1.50	9.50	17.50	12.70	3.60
10A	50	50	15.875	2.00	12.70	22.60	15.88	5.20
12A	60	60	19.05	2.35	15.90	26.20	18.26	5.20
16A	80	80	25.40	3.20	19.05	34.00	24.60	6.80
20A	100	100	31.75	4.00	25.40	44.00	31.80	8.70
24A	120	120	38.10	4.70	28.60	51.60	36.50	9.80
28A	140	140	44.45	5.50	34.90	62.00	44.40	11.40
32A	160	160	50.80	6.40	38.10	69.85	50.80	13.10
40A	200	200	63.50	8.00	42.00	76.00	63.50	16.30
06B		06B	9.525	1.4/1.1	8.00	13.50	9.52	3.50
08B		08B	12.70	1.50	9.50	18.90	13.00	4.50
10B		10B	15.875	1.70	14.30	22.95	16.50	5.30
12B		12B	19.05	1.80	16.00	28.60	21.00	6.40
16B		16B	25.40	4.0/3.0	19.10	34.00	23.00	6.40

Standard Roller Chain Attachments

A-1



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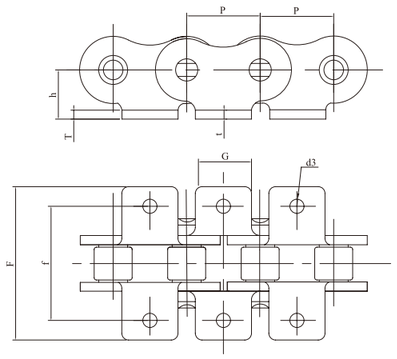
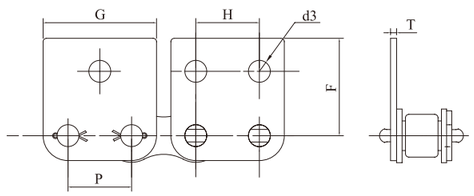


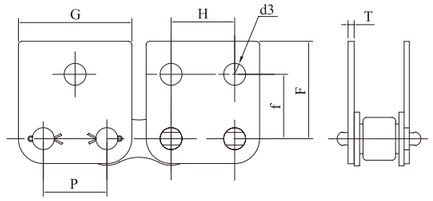
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Thickness	Attachment Dimension				
			P	T/t	G	F	f	d3	h
			mm	mm	mm	mm	mm	mm	mm
08A	40	40	12.70	1.50	9.50	35.00	25.40	3.60	7.92
10A	50	50	15.875	2.00	12.70	45.20	31.76	5.20	10.30
12A	60	60	19.05	2.35	15.90	54.00	38.10	5.20	11.90
16A	80	80	25.40	3.20	19.05	69.60	50.80	6.80	15.90
20A	100	100	31.75	4.00	25.40	90.76	63.50	8.70	19.80
24A	120	120	38.10	4.70	28.60	108.50	76.20	9.80	23.00
28A	140	140	44.45	5.50	34.90	123.00	88.90	11.40	28.60
32A	160	160	50.80	6.40	38.10	142.80	101.60	13.10	31.80
40A	200	200	63.50	8.00	42.00	152.00	127.00	16.30	42.90
06B		06B	9.525	1.4/1.1	8.00	27.00	19.04	3.50	6.50
08B		08B	12.70	1.50	9.50	36.40	25.40	4.30	8.90
10B		10B	15.875	1.70	14.30	44.60	31.80	5.30	10.30
12B		12B	19.05	1.80	16.00	52.20	38.10	6.40	13.50
16B		16B	25.40	4.0/3.0	19.10	72.60	50.80	6.40	15.90

Standard Roller Chain Attachments

WSA-1 WSA-2



WSK-1 WSK-2

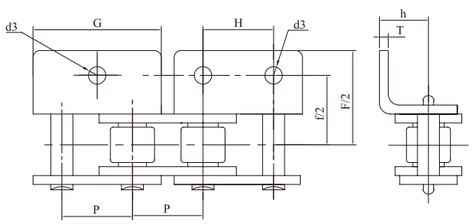


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Thickness	Attachment Dimension					
			P	T	G	H	f	F	d3	
			mm	mm	mm	mm	mm	mm	mm	
06C	35	35	9.525	1.15	17.32	9.52	9.52	14.55	2.80	
08A	40	40	12.70	1.50	22.90	12.70	12.70	17.40	3.40	
10A	50	50	15.875	2.00	28.85	15.88	15.90	23.05	5.50	
12A	60	60	19.05	2.35	34.20	19.05	18.30	28.20	6.60	
16A	80	80	25.40	3.20	46.00	25.40	24.60	34.25	6.80	
20A	100	100	31.75	4.00	61.80	31.75	31.80	47.00	8.50	
24A	120	120	38.10	4.70	69.30	38.10	36.50	51.60	9.80	
28A	140	140	44.45	5.50	80.45	44.45	44.40	62.00	11.40	
32A	160	160	50.80	6.40	92.00	50.80	50.80	69.85	13.10	
08B		08B	12.70	1.50	23.30	12.70	13.00	18.90	4.30	
10B		10B	15.875	1.70	29.58	15.88	16.50	22.95	5.30	
12B		12B	19.05	1.80	36.07	19.05	18.18	26.34	6.50	
16B		16B	25.40	3.00	46.40	25.40	23.00	34.00	6.40	
20B		20B	31.75	3.50	58.10	31.75	30.50	45.70	8.40	

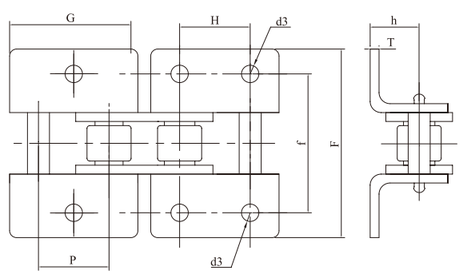
CONTENTS OF THE PRODUCT

Standard Roller Chain Attachments

WA-1 WA-2



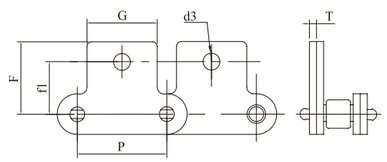
WK-1 WK-2



ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Thickness	Attachment Dimension					
			P	T	G	H	f	F	d3	h
			mm	mm	mm	mm	mm	mm	mm	mm
06C	35	35	9.525	1.30	17.32	9.52	19.04	28.60	2.80	6.40
08A	40	40	12.70	1.50	22.90	12.70	25.40	35.60	3.40	7.9
10A	50	50	15.875	2.03	28.85	15.88	31.80	46.80	5.50	10.3
12A	60	60	19.05	2.42	36.00	19.05	38.10	56.40	6.60	11.9
16A	80	80	25.40	3.25	46.00	25.40	50.80	69.30	6.80	15.88
20A	100	100	31.75	4.00	57.65	31.75	63.50	89.80	8.70	19.8
24A	120	120	38.10	4.80	69.30	38.10	76.20	108.80	9.80	23
08B		08B	12.70	1.50	24.30	12.70	28.00	36.40	4.30	8.9
10B		10B	15.875	1.70	29.58	15.88	31.76	44.60	5.30	10.30
12B		12B	19.05	1.80	34.05	19.05	38.10	52.40	6.40	13.50
16B		16B	25.40	3.00	46.40	25.40	50.80	72.60	6.40	15.90

Double Pitch Conveyor Chain Attachments

SA-1



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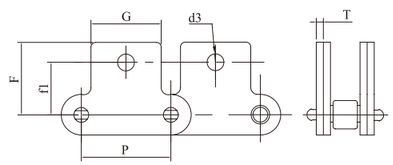

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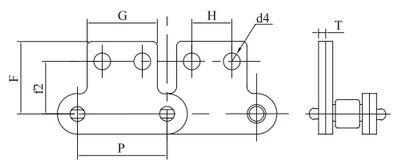

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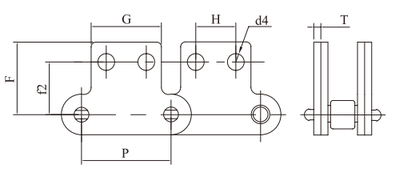
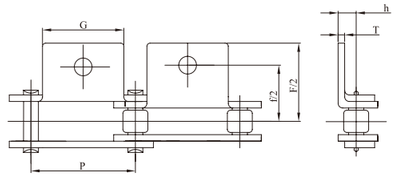


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Thickness	Attachment Dimension							
			P	T	G	H	f1	f2	F	d4	d3	
			mm	mm	mm	mm	mm	mm	mm	mm	mm	
C208A	C2040	C2040	25.40	1.50	19.10	9.52	11.10	13.50	19.80	3.60	5.20	
C208AL	C2042	C2042										
C210A	C2050	C2050	31.75	2.00	23.80	11.91	14.25	15.88	24.60	5.20	6.80	
C210AL	C2052	C2052										
C212AH	C2060H	C2060H	38.10	3.20	28.70	14.27	17.50	19.05	30.60	5.20	8.70	
C212AHL	C2062H	C2062H										
C216AH	C2080H	C2080H	50.80	4.00	38.10	19.10	22.20	25.40	41.40	6.60	11.00	
C216AHL	C2082H	C2082H										
C220AH	C2100H	C2100H	63.50	4.70	47.60	23.80	28.60	31.80	50.40	8.70	13.00	
C220AHL	C2102H	C2102H										
C224AH	C2120H	C2120H	76.20	5.50	57.20	28.60	33.30	37.30	60.10	10.30	14.80	
C224AHL	C2122H	C2122H										

Double Pitch Conveyor Chain Attachments

A-1



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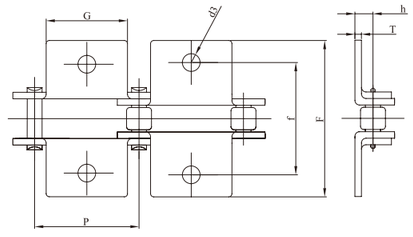
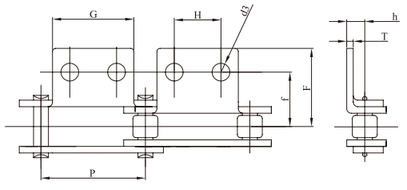


A-2



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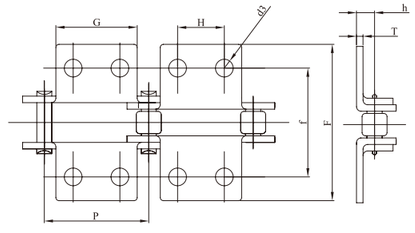
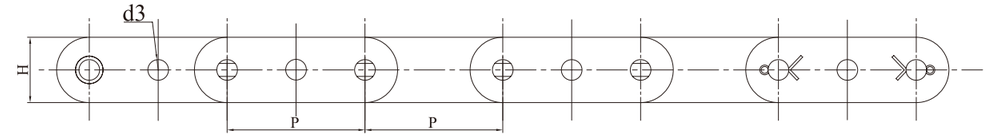
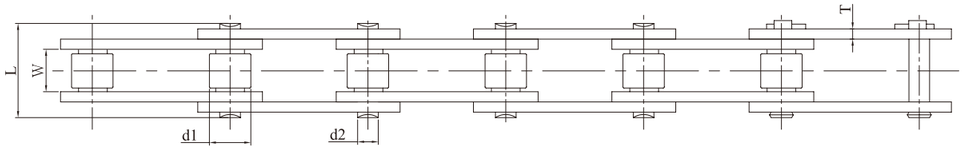


ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Link Plate Thickness	Attachment Dimension					
			P	T	G	H	f	F	h	d3
			mm	mm	mm	mm	mm	mm	mm	mm
C208A	C2040	C2040	25.40	1.50	19.10	9.52	25.40	38.40	9.20	3.60
C208AL	C2042	C2042								5.20
C210A	C2050	C2050	31.75	2.00	23.80	11.91	31.76	47.60	11.10	5.20
C210AL	C2052	C2052								6.80
C212AH	C2060H	C2060H	38.10	3.20	28.7	14.25	42.90	62.48	14.30	5.20
C212AHL	C2062H	C2062H								8.70
C216AH	C2080H	C2080H	50.80	4.00	38.1	19.05	55.60	82.80	19.05	6.80
C216AHL	C2082H	C2082H								
C224AH	C2120H	C2120H	76.2	5.50	57.2	28.6	79.30	121.4	27.80	10.3
C224AHL	C211H	C2122H								

Double Pitch Conveyor Chain Attachments

G Type Attachment

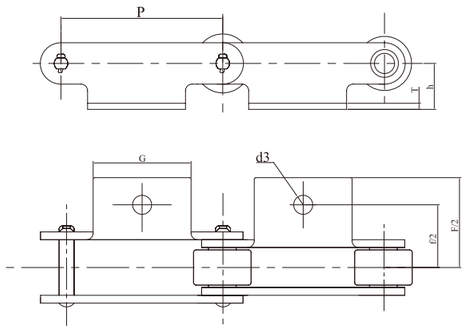




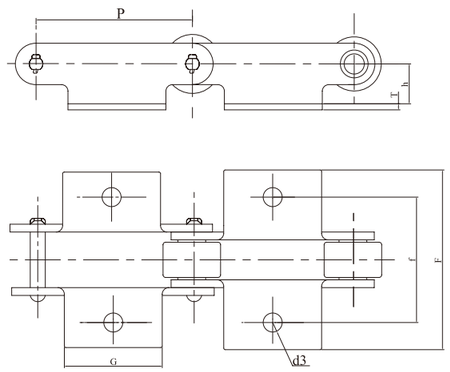
ISO Chain No	ANSI Chain No	KMC Chain No	Pitch	Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Link Plate Height	Link Plate Thickness	Hole Diameter
			P	W min	d1 max	d2 max	L max	Lc max	H max	T	D3
			mm	mm	mm	mm	mm	mm	mm	mm	mm
C210A	C2050	C2050	31.75	9.40	10.16	5.09	21.80	25.00	15.00	2.00	"8.00 (5.1)"
C210AL	C2052	C2052			19.05						
C216AH	C2080H	C2080H	50.80	15.75	15.88	7.94	37.40	42.80	24.10	4.00	"11.0 (8.1)"
C216AHL	C2082H	C2082H			28.58						

CONTENTS OF THE PRODUCT

A-1



K-1



ISO Chain No	Roller Model	P	h	f	F	G	T	d3	Bolt Type
C03100	R.F.S	100	20	60	92	65	3.20	10	M8
C05075	R.F.S	75	22	70	104.6	55	4.50	10	M8
C05100	R.F.S	100				65			
C05150	R.F.S	150				85			
C10100	R.F.S	100	28	100	133.2	70	6.30	12	M10
C10150	R.F.S	150				90			

Large Pitch Conveyor Chain Attachments

CONTENTS OF THE PRODUCT

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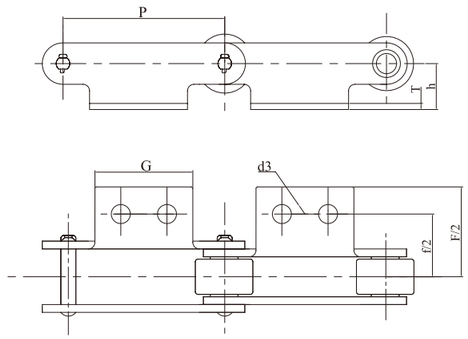

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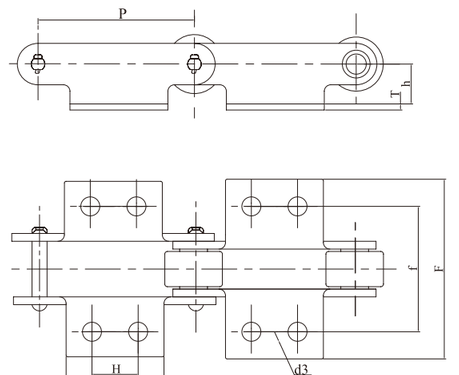
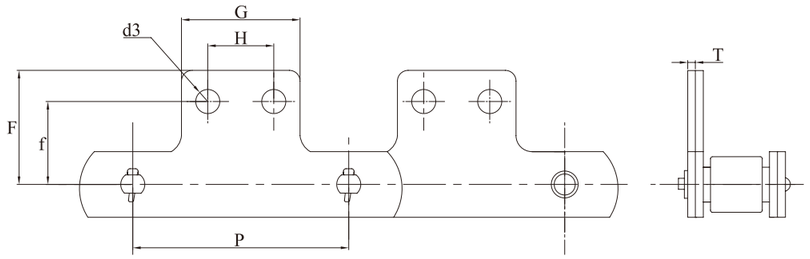


ISO Chain No	Roller Model	P	h	f	F	G	H	T	d3	Bolt Type
C03100	R.F.S	100	20	60	92	65	40	3.20	10	M8
C05075	R.F.S	75	22	70	104.6	55	30	4.50	10	M8
C05100	R.F.S	100				65	40			
C05150	R.F.S	150				85	60			
C10100	R.F.S	100	28	100	133.2	70	40	6.30	12	M10
C10150	R.F.S	150				90	60			

Large Pitch Conveyor Chain Attachments

SA-2



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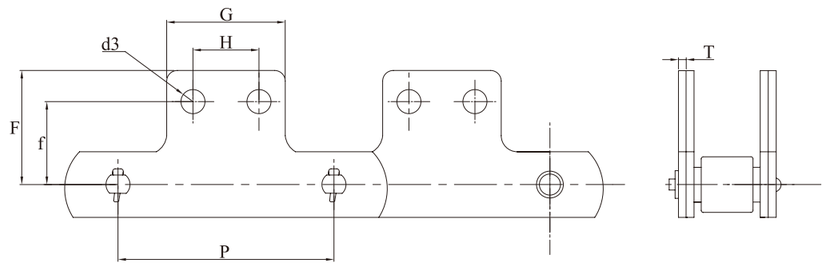
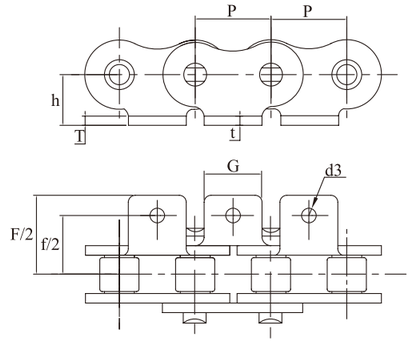


KMC Chain No	Roller Model	P	f	F	H	G	T	d3	Bolt Type
C03100	R.F.S	100	33	49	40	65	3.20	10	M8
C05100	R.F.S	100	33.4	50.7	40	65	4.50	10	M8
C05150	R.F.S	150			60	85			
C10100	R.F.S	100	46.4	63	40	70	6.30	12	M10
C10150	R.F.S	150			60	90			

Stainless Steel Roller Chain Attachments

A-1



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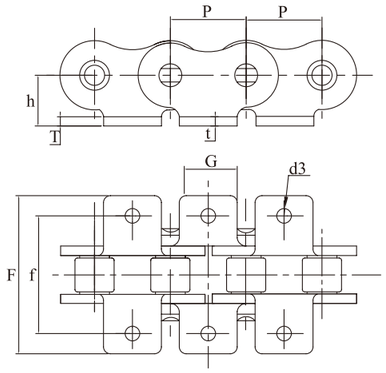
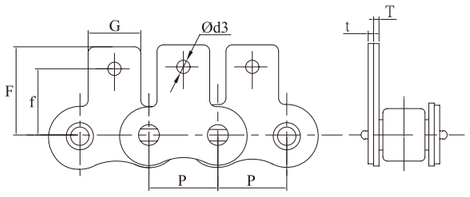


KMC Chain No	Pitch	Link Plate Thickness	Attachment Height	Attachment Dimension			
	P	T/t	G	F	f	d3	h
	mm	mm	mm	mm	mm	mm	mm
35SS	9.525	1.20	7.92	28.60	19.04	2.60	6.40
40SS	12.70	1.50	9.50	35.00	25.40	3.60	8.50
50SS	15.875	2.00	12.70	45.20	31.76	5.20	10.60
60SS	19.05	2.35	15.90	54.00	38.10	5.20	12.20
80SS	25.40	3.20	19.05	69.60	50.80	6.80	16.10

Stainless Steel Roller Chain Attachments

SA-1



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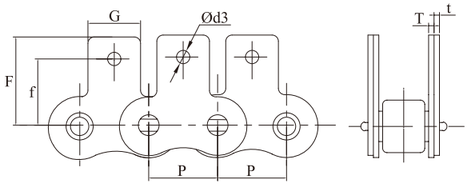
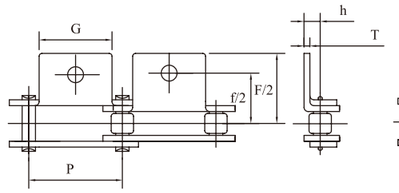


KMC Chain No	Pitch	Link Plate Thickness	Attachment Height	Attachment Dimension		
	P	T/t	G	F	f	d3
	mm	mm	mm	mm	mm	mm
35SS	9.525	1.20	7.92	14.66	9.52	2.60
40SS	12.70	1.50	9.50	17.50	12.70	3.60
50SS	15.875	2.00	12.70	22.60	15.88	5.20
60SS	19.05	2.35	15.90	26.20	18.30	5.20
80SS	25.40	3.20	19.05	34.00	24.60	6.80

Double Pitch Stainless Steel Conveyor Chain Attachments

A-1



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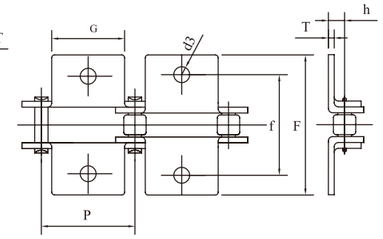

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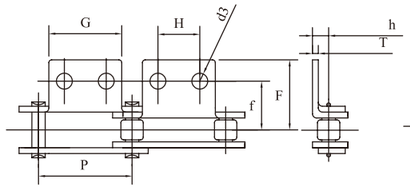

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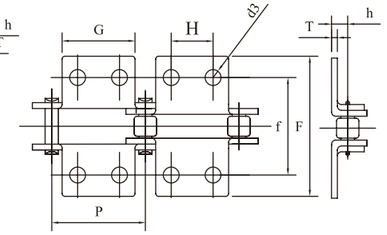
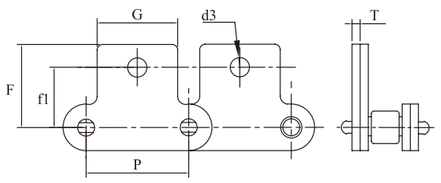


KMC Chain No	Pitch	Attachment Height	Link Plate Thickness	Attachment Dimension				
	P	G	T	H	f	F	h	d3
	mm	mm	mm	mm	mm	mm	mm	mm
C2040SS	25.40	19.10	1.50	9.52	25.40	38.40	9.20	3.60
C2042SS								5.20
C2050SS	31.75	23.80	2.00	11.91	31.76	48.56	11.10	5.20
C2052SS								6.80
C2060HSS	38.10	28.80	3.20	14.30	42.90	62.74	14.30	5.50
C2062HSS								
C2080HSS	50.80	38.10	4.00	19.10	55.60	83.60	19.10	6.80
C2082HSS								

Double Pitch Stainless Steel Conveyor Chain Attachments

SA-1



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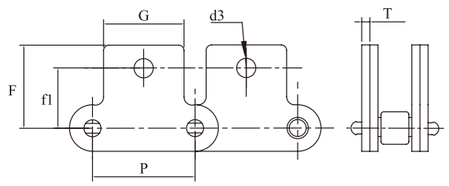

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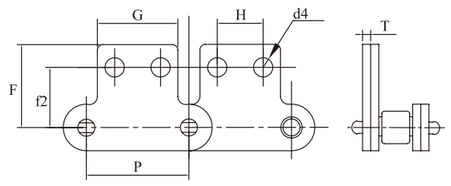

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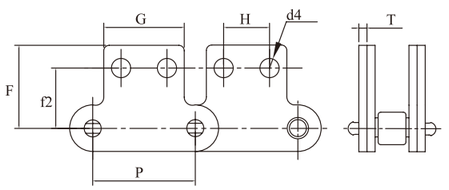
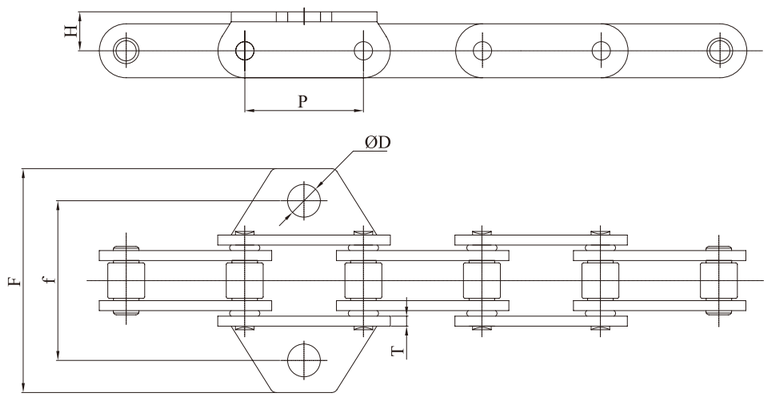


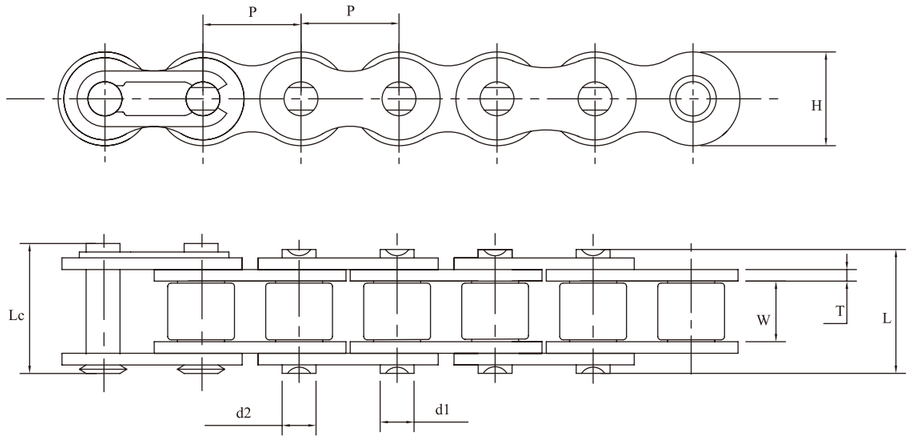
KMC Chain No	Pitch	Attachment Height	Link Plate Thickness	Attachment Dimension					
	P	G	T	H	f1	f2	F	d4	d3
	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2040SS	25.40	19.10	1.50	9.52	11.12	13.50	19.80	3.60	5.20
C2042SS									
C2050SS	31.75	23.80	2.00	11.91	14.27	15.88	24.60	5.20	6.80
C2052SS									
C2060HSS	38.10	28.80	3.20	14.30	17.48	19.05	30.65	5.20	8.70
C2062HSS									
C2080HSS	50.80	38.10	4.00	19.10	22.20	25.40	41.40	6.80	10.30
C2082HSS									

Oring Chain Attachments



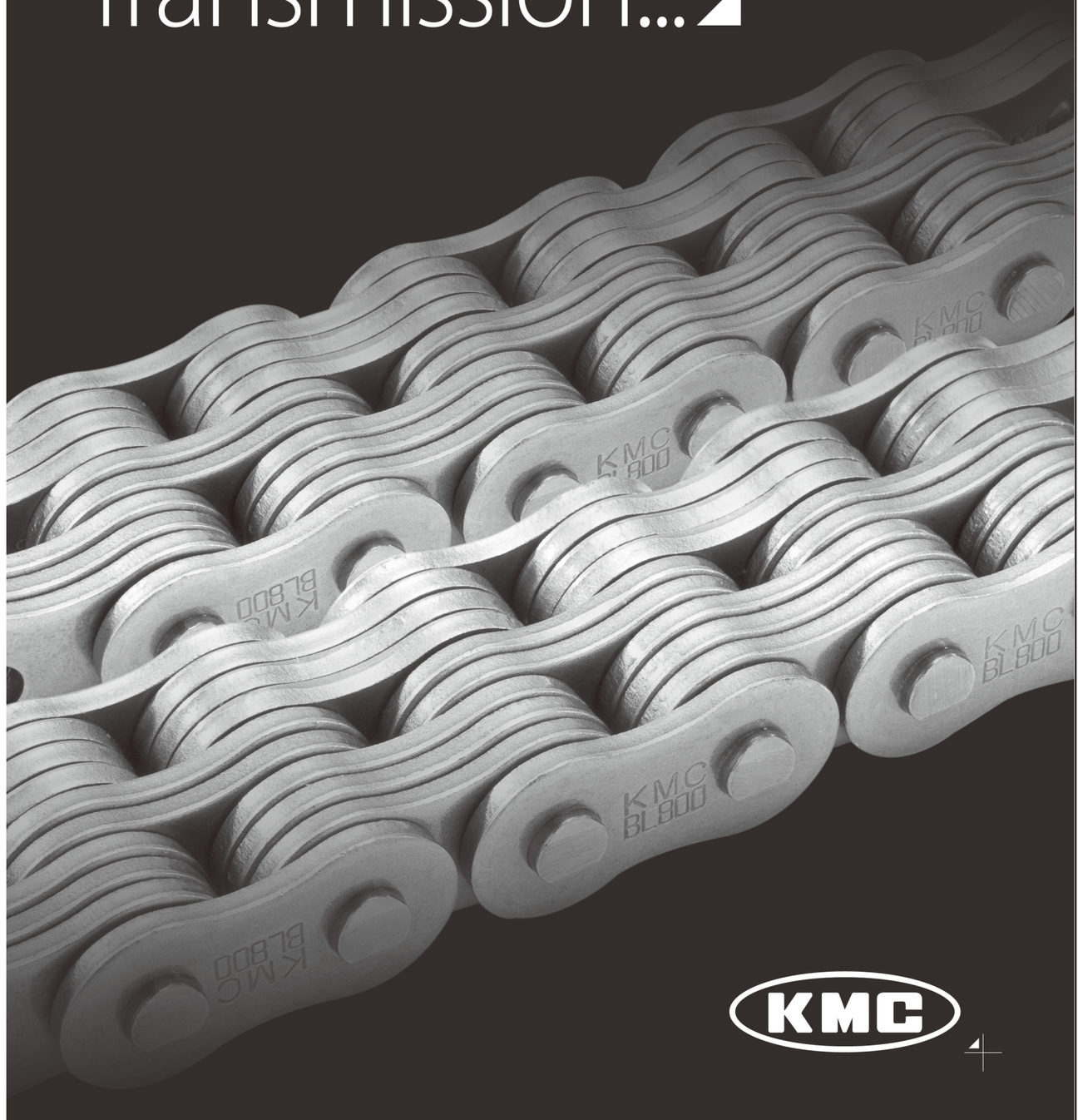
KMC Chain No	P	f	F	øD	H	T
	mm	mm	mm/Max	mm	mm	mm
C2060RO-K1(ø8.5x42.9)	38.10	42.90	64.20	8.50	14.30	2.35
C2060RO-K1(ø10.5x48)	38.10	48.00	64.20	10.50	14.30	2.35
C2060HRO-K1(ø8.5x42.9)	38.10	42.90	69.10	8.50	14.30	3.20

Standard Motorcycle Drive Chain



ISO Chain No	KMC Chain No	Pitch	Roller Link Width	Roller Outer Diameter	Pin Outer Diameter	Pin Length		Ling Plate Height	Link Plate Thickness	Minimum Tensile Strength	Average Tensile Strength	Fatigue Resistance
		P	W min	d1 max	d2 max	L max	Lc max	H max	T	min		max
		mm	mm	mm	mm	mm	mm	mm	mm	kgf	kgf	kgf
083	415E	12.70	4.88	7.75	4.00	12.90	13.45	10.30	1.40	1185	1390	380
	415H	12.70	4.68	7.77	4.00	13.30	15.00	12.00	1.50	1810	1900	380
08MA	420	12.70	6.25	7.77	4.00	14.80	16.60	12.00	1.50	1640	1850	380
08MB	428	12.70	7.85	8.51	4.51	16.80	18.10	12.50	1.50	2180	1950	380
08MC	428H	12.70	7.85	8.51	4.51	18.90	19.45	12.50	1.80	2110	2300	450
	428HG	12.70	7.85	8.51	4.51	19.10	20.30	12.50	2.00	2200	2450	500
10MA	520	15.875	6.25	10.16	5.09	17.60	19.30	15.00	2.00	2710	3050	650
	525	15.875	7.85	10.16	5.09	18.75	20.80	15.00	2.00	2710	3050	650
10MB	530	15.875	9.40	10.16	5.09	20.80	21.85	15.00	2.00	2710	3050	650
	520H	15.875	6.25	10.16	5.09	18.55	20.50	15.00	2.35	3100	3300	700
	530H	15.875	9.40	10.16	5.09	21.85	23.80	15.00	2.35	3100	3300	700

Guide to Select Roller Chain Transmission....



1. Prelude:

As to the general method on the selection of industrial roller chain transmission, there is regular principle to conform. With differences in related to loading status, applied circumstances and adopted maintenance of roller chain transmission etc., the following is the reference of some key points.

2. Calculative Symbols:

Table 1 lists the applied symbols and dimensions for calculation.

SYMBOL	DEFINITION	DIMENSION
C1	Max. Center distance	**mm**
C2	Optimum center distance	**mm**
F1	Driving performing coefficient, see Table 2	
F2	Teeth number coefficient of sprocket driver, see diagram 3	
F3	Coefficient of chain length in pitch calculated by No. of teeth, see Table 5	
F4	Coefficient of center distance calculated by No. of teeth, see Table 6	
T	Rotational ratio between driving and driven sprockets	
M	Input torque	**N.m**
N1	Rotational speed of input shaft	**r/min**
N2	Rotational speed of output shaft	**r/min**
P	Chain pitch	**mm**
Pi	input horsepower	**kW**
Pc	Amending horsepower	**kW**
V	Chain speed	**m/s**
L	No. of chain pitch	
Ln	Calculative value of chain pitch number	
Z1	No. of driving sprocket teeth	
Z2	No. of driven sprocket teeth	

Table **1.** Definition of symbols and dimensions

3. Common Calculating Formula:

3.1 Input horsepower Pi:

Input horsepower refers to the horsepower driving sprocket needs to transmit.
If input torque is confirmed, input horsepower **Pi** equals to:

$$\mathbf{Pi} = \frac{\mathbf{M} \times \mathbf{N1}}{\mathbf{9550}} \quad \textbf{.....(1)}$$

3.2 Amending horsepower Pc:

To consider driving systemic properties and transmission loading types, have input horsepower Pi multiply by amending coefficient as below formulized **Pc**:

Pc= Pi x **F1** x **F2 .....(2)**

4. Main Transmission Setting Parameters Listed as below:

a) Rotational Speed and diameter of driving and driven shafts
b) Types of driving and driven facilities
c) Layout of center distance and shaft system
d) Chain transmitting horsepower
e) Conditions of external environment

Note: Other facts such as shaft dia. size, over-long or over-shorten center distance and degree of setting complexity etc. also affect the choice of chain transmission

5. Selection of Sprocket

Selection of number of sprocket teeth indicated as below:
a) Select suitable teeth No. of driving sprocket
b) Then decide teeth No. of driven sprocket from the below formula T (rotational ratio between driving and driven sprockets)

T= Z2 / Z1 .....(3)

Zmin=17 to **Zmax=114** is scope for the selection of teeth No. of sprocket. If it rotates with high speed and endures shocking while running, **25** teeth of driving sprocket is the least teeth No. and also the teeth is needed to have quenching and hardening treatment.

6. Chain Calculation and Selection:

6.1 Normative running conditions and chain loading capacity

a) Single strand chain with no offset links
b) Teeth Number of driving sprocket is **35**
c) Two sprockets installed on symmetrical parallel shafts
d) The working temperature between **-5**℃ ~ **70**℃
e) Running deceleration ratio up to **3:1**
f) Estimated chain running lifetime is **15,000**h
g) Length of chain is **120** pitches. If chain length is less than **120** pitches, the running lifetime will be decreased proportionally.
h) Rotate stably, non over-loading and shocking or starting up frequently.
i) Tidy and proper lubrication ---> Please see section **2** of ***Guidance to chain transmission of installation, check and maintenance.***
j) Locate sprocket correctly and symmetrically ---> Please see section **1** of ***Guidance to chain transmission of installation, check and maintenance.***

Diagram **1** and diagram **2** show chain loading capacity under above assumptive conditions, indicating the graph between the rotating speed of driving sprocket **N1** and amending horsepower **Pc** for all sizes of chains.

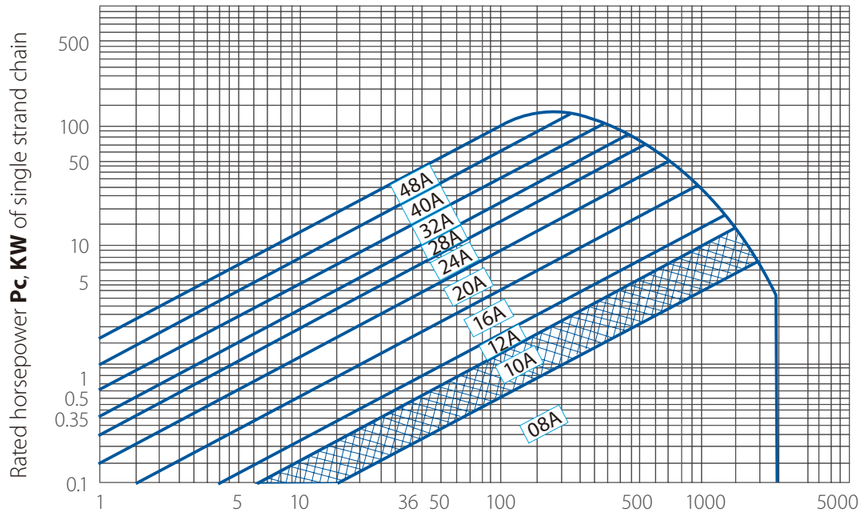


Diagram 1. Loading Capacity graph of **ISO A** series roller chain

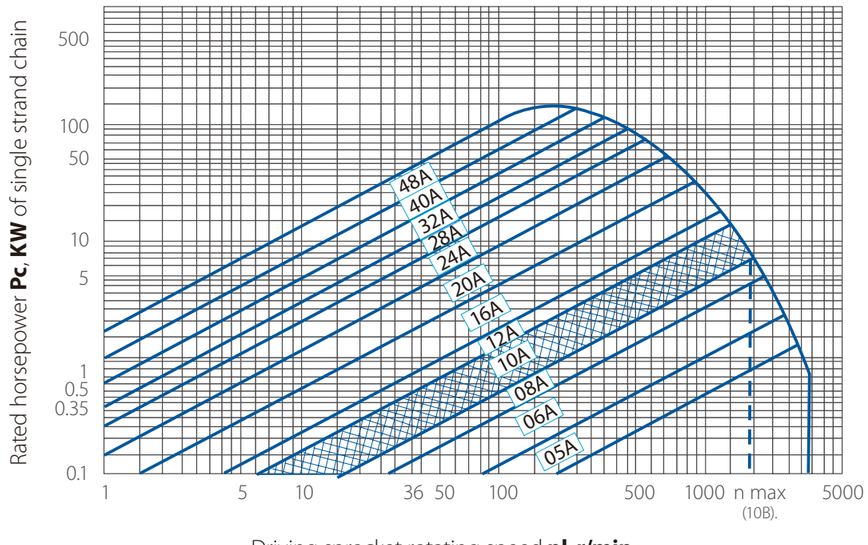


Diagram 2. Loading Capacity graph of **ISO B** series roller chain

1. Rated horsepower of duouble strand chain can be calculated by single strand **Pc*1.75**
2. Rated horsepower of triple strand chain can be calculated by single strand **Pc*2.5**
3. The value of Pc is from formula **2**

6.2 Amendment under other rotating conditions

6.2.1 Horsepower amendment

Coefficient **F1** and **F2** are indicated in sections of **6.2.2** and **6.2.3**

If chain rotating properties and rotating conditions are different from section **6.1**, the transmitting horsepower can be amended according to formula **2**

6.2.2 Driving performing coefficient F1

Coefficient **F1** is the coefficient in considering over-loaded properties. It is correlative with exact conditions of chain transmission especially the properties of driving and driven machines. Coefficient F1 can be found from Table **2** or through analogic selection in considering together with Table **3** and Table **4**.

Driven mechanical property (see Table 4)	Driving mechanical property (see Table 3)		
	Stable transmission	Slight shocking	Medium shocking
Stable transmission	1.0	1.1	1.3
Medium shocking	1.4	1.5	1.7
Sever shocking	1.8	1.9	2.1

Table **2.** Driving performing coefficient

Stable transmission	Internal ignition engine with hydraulic clutch, electromotor, steam turbine and gas turbine.
Slight shocking	Over six cylinders internal ignition engine with mechanical coupling, frequently started electromotor (over twice each day)
Sever shocking	Less than six cylinders internal ignition engine with mechanical coupling

Table **3.** Definition of driving mechanical property

Stable transmission	Gentrifugal type pump and compressor, printing mechanism, evenly material feeding belt type conveyor, paper calender, escalator, liquid mixer and material blender, circulating drying furnace and blower.
Medium shocking	Over three cylinders pump and compressor, concrete mixer, protean-load conveyor, solid mixer and material blender.
Sever shocking	Coal plowing machine, power shovel, rolling mill, ball mill, rubber processing machinery, presser, cutting mill, single and double cylinders pump and compressor, petrol drilling machine.

Table **4.** Definition of driven mechanical property

6.2.3 Teeth number coefficient F2

Teeth number coefficient **F2** is to indicate the infective coefficient of teeth number of driving sprocket. See in diagram**3**

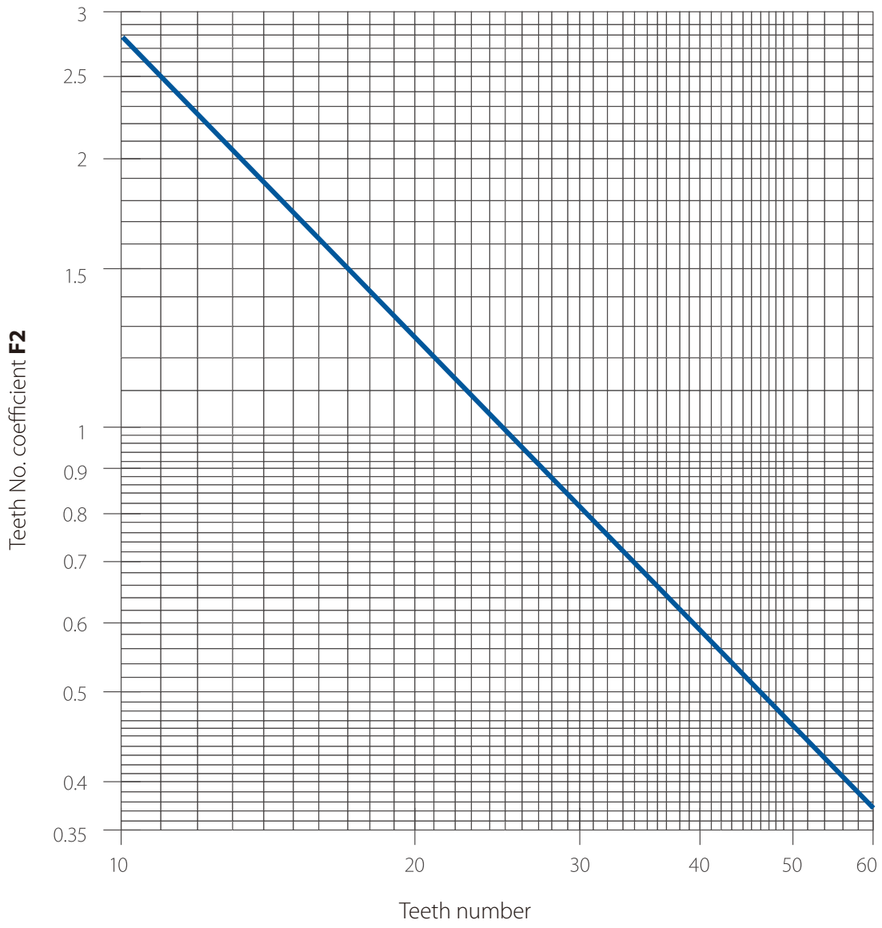


Diagram **3.** Teeth No. coefficient of driving sprocket **F2**

6.3 Chain selection

From loading capacity diagram (see diagram **1** and **2**), select single strand chain with minimum pitch dimension based on requested transmitting horsepower and rotational speed of small sprocket.

For more compact transmissional setting layout, it is advised to use shorter pitch dimensional multi-strand chain and thus the sprocket diameter will also be decreased.

6.4 Chain length

Based on chain pitch (**P**) and pre-selected center distance (**C2**), the chain pitch No. (**Ln**) between two sprockets can be calculated out from formula (**4**) and formula (**5**). The calculated chain pitch No. (**Ln**) should be and integer (**L**). If use even pitch No. for chain length, the use of half-pitch links can be avoided.

6.4.1 When teeth No. of two sprockets are equal (Z=Z1=Z2)

$$Ln=2\frac{C2}{P}+Z \quad \text{.....(4)}$$

6.4.2 When teeth No. of two sprockets are unequal

$$Ln=2\frac{C2}{P}+\frac{Z1+Z2}{2}+\frac{F3\times P}{C2} \quad \text{.....(5)}$$

Where: $F3=\left[\frac{Z2-Z1}{2\pi}\right]^2$ Please see Table **5** for the calculative value of **F3**

6.5 Chain speed

Linear speed of chain can be calculated by the below formula

$$V=\frac{N1\times Z1\times P}{60000} \quad \text{.....(6)}$$

Z2-Z1	F3	Z2-Z1	F3	Z2-Z1	F3	Z2-Z1	F3	Z2-Z1	F3
1	0.0253	21	11.171	41	42.580	61	94.254	81	166.191
2	0.1013	22	12.260	42	44.683	62	97.370	82	170.320
3	0.2280	23	13.400	43	46.836	63	100.536	83	174.500
4	0.4053	24	14.590	44	49.040	64	103.753	84	178.730
5	0.6333	25	15.831	45	51.294	65	107.021	85	183.011
6	0.912	26	17.123	46	53.599	66	110.339	86	187.342
7	1.241	27	18.466	47	55.955	67	113.708	87	191.724
8	1.621	28	19.859	48	58.361	68	117.128	88	196.157
9	2.052	29	21.303	49	60.818	69	120.598	89	200.640
10	2.533	30	22.797	50	63.326	70	124.119	90	205.174
11	3.065	31	24.342	51	65.884	71	127.690	91	209.759
12	3.648	32	25.938	52	68.493	72	131.313	92	214.395
13	4.281	33	27.585	53	71.153	73	134.986	93	219.081
14	4.965	34	29.282	54	73.563	74	138.709	94	223.817
15	5.699	35	31.030	55	76.624	75	142.483	95	228.605
16	6.485	36	32.828	56	79.436	76	146.308	96	233.443
17	7.320	37	34.677	57	82.298	77	150.184	97	238.333
18	8.207	38	36.577	58	85.211	78	154.110	98	243.271
19	9.144	39	38.527	59	88.175	79	158.087	99	248.261
20	10.132	40	40.529	60	91.189	80	162.115	100	253.302

Table **5.** Calculation of **F3**

7. Max Center Distance Between Sprockets:

After confirming chain pitch number (**L**) according to section **6.4**, the max. center distance between two sprockets (**C1**) can be calculated out by use of formula (**7**) and (**8**)

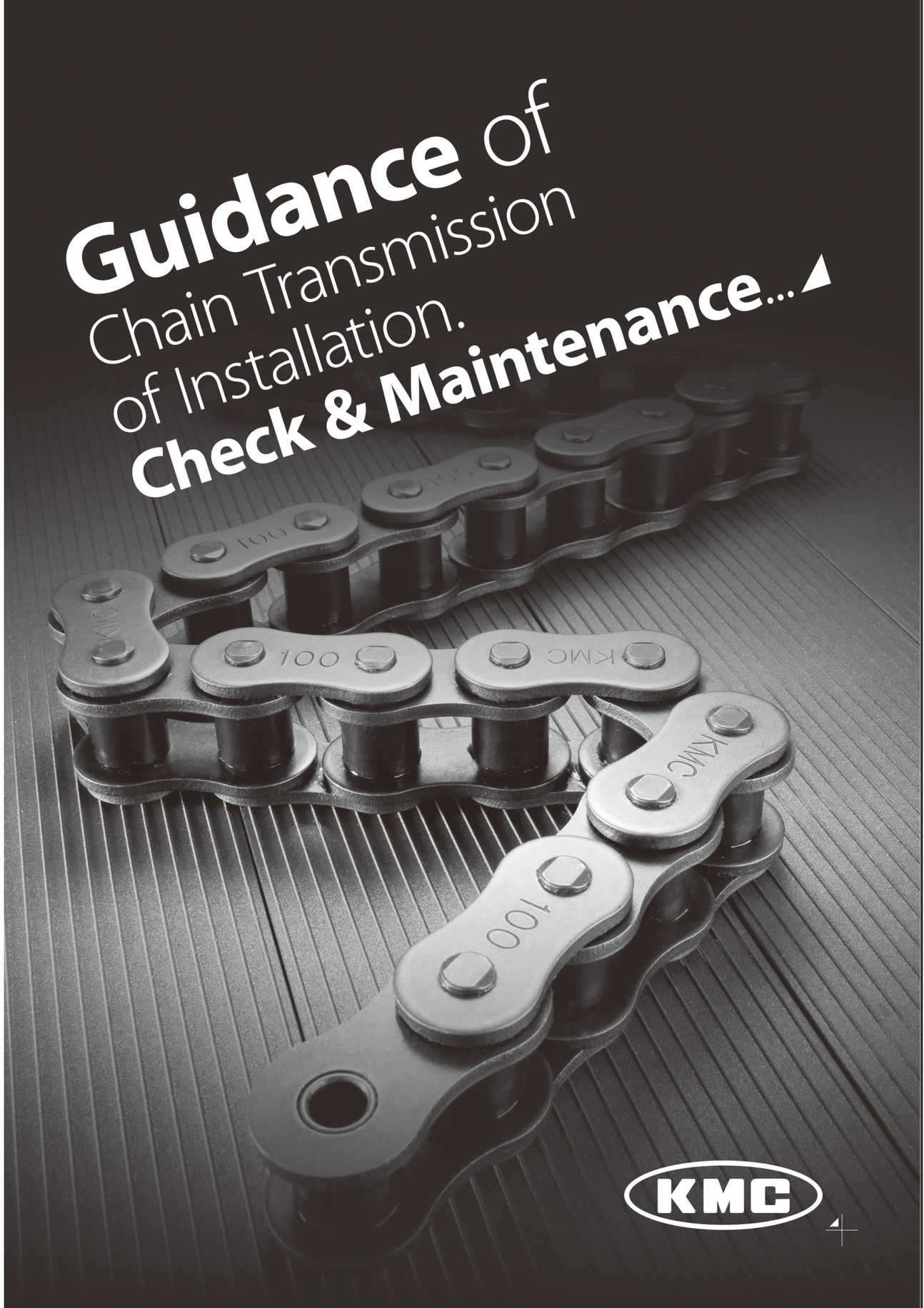
7.1 When teeth No. of two sprockets are equal (Z=Z1=Z2), C1=P $\frac{\text{L-Z}}{2}$ **.....(7)**

7.2 When teeth No. of two sprockets are unequal C1=F4*P* [2L-(Z1+Z2)] ..... (8)

Please see the calculative value of **F4** from Table **6**

$\frac{\text{L-Z1}}{\text{Z2-Z1}}$	F4	$\frac{\text{L-Z1}}{\text{Z2-Z1}}$	F4	$\frac{\text{L-Z1}}{\text{Z2-Z1}}$	F4
13	0.24991	2.00	0.24421	1.33	0.22968
12	0.24990	1.95	0.24380	1.32	0.22912
11	0.24988	1.90	0.24333	1.31	0.22854
10	0.24986	1.85	0.24281	1.30	0.22793
9	0.24983	1.80	0.24222	1.29	0.22729
8	0.24978	1.75	0.24156	1.28	0.22662
7	0.24970	1.70	0.24081	1.27	0.22593
6	0.24958	1.68	0.24048	1.26	0.22520
5	0.24937	1.66	0.24013	1.25	0.22443
4.8	0.24931	1.64	0.23977	1.24	0.22361
4.6	0.24925	1.62	0.23938	1.23	0.22275
4.4	0.24917	1.60	0.23897	1.22	0.22185
4.2	0.24907	1.58	0.23854	1.21	0.22090
4.0	0.24896	1.56	0.23807	1.20	0.21990
3.8	0.24883	1.54	0.23758	1.19	0.21884
3.6	0.24868	1.52	0.23705	1.18	0.21771
3.4	0.24849	1.50	0.23648	1.17	0.21652
3.2	0.24825	1.48	0.23588	1.16	0.21526
3.0	0.24795	1.46	0.23524	1.15	0.21390
2.9	0.24778	1.44	0.23455	1.14	0.21245
2.8	0.24758	1.42	0.23381	1.13	0.21090
2.7	0.24735	1.40	0.23301	1.12	0.20923
2.6	0.24708	1.39	0.23259	1.11	0.20744
2.5	0.24678	1.38	0.23215	1.10	0.20549
2.4	0.24643	1.37	0.23170	1.09	0.20336
2.3	0.24602	1.36	0.23123	1.08	0.20104
2.2	0.24552	1.35	0.23073	1.07	0.19848
2.1	0.24493	1.34	0.23022	1.06	0.19564

Table **6.** Calculative value of **F4**



Guidance of Chain Transmission of Installation. Check & Maintenance

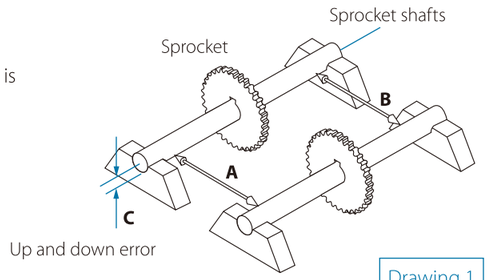
1. Chain Setting:

1.1 Parallel of sprocket shafts

If distance difference between two ends of two shafts is within **1mm** as length **A** and **B** shown in drawing **1**, gauge can be used to check it.

1.2 Parallel of two sprocket shafts

If leaning error of shafts is within **L/300**, gradienter can be used to check it.
Please note **C** in drawing **1**.
Note: **L** is shafts length



Drawing 1

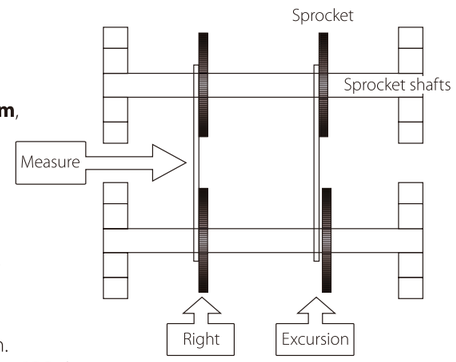
1.3 Sprocket deviation

When center distance between two sprockets is within**1m**, precision of error should be within ± **1mm**.

When center distance between two sprockets is from **1m~10m**, precision of error should be within **1/1000**.

When center distance between two sprockets is over **10m**, precision of error should be within ± **10mm**.

Deviating status is shown in drawing **2**.
We can use linear tool together with length gauge to check it.



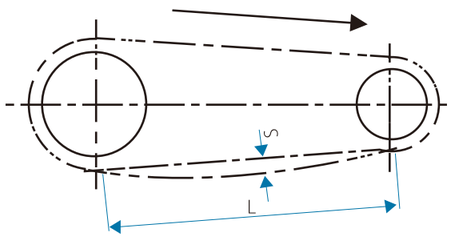
Drawing 2

1.4 Center distance of chain transmission

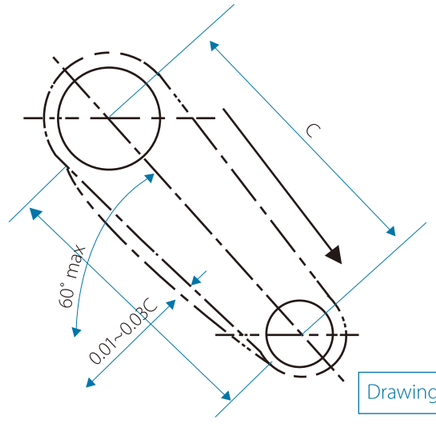
Optimal value for center distance is **30~50** time of chain pitch.
The overcast angle of chain on smaller sprocket is not less than **120** degree.

1.5 Amendment on the degree of chain tightness and looseness

The solution of chain tightness and looseness is to amend center distance. We can also use stretching pulley, sprocket idler and someother methods to adjust the degree of tightness. As shown in drawing **3 , S=0.02L.** When the horizontal included angle of center distance is over **60** in transmission, as shown in drawing **4**, the permissive sagging level for the center of chain side is **1%~3%** of the value of center distance.



Drawing 3



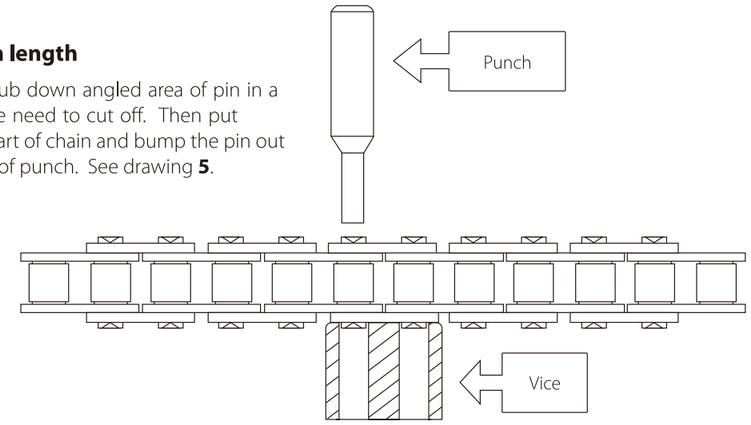
Drawing 4

Installation, Check & Maintenance

Guidance of Chain Transmission of Installation. Check & Maintenance

1.6 Adjustment of chain length

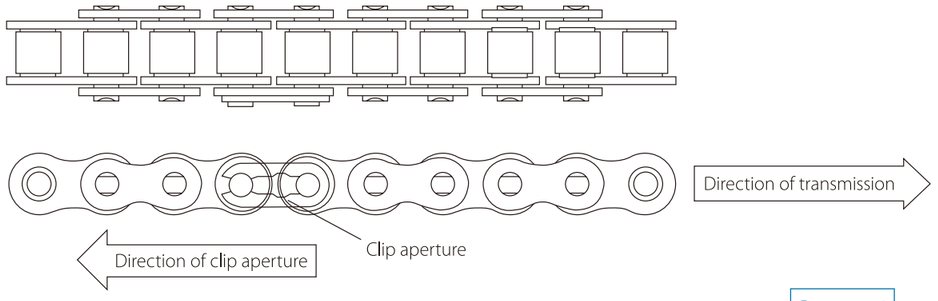
Use grinding wheel to rub down angled area of pin in a piece of chain where we need to cut off. Then put proper tool below the part of chain and bump the pin out from chain body by use of punch. See drawing **5**.



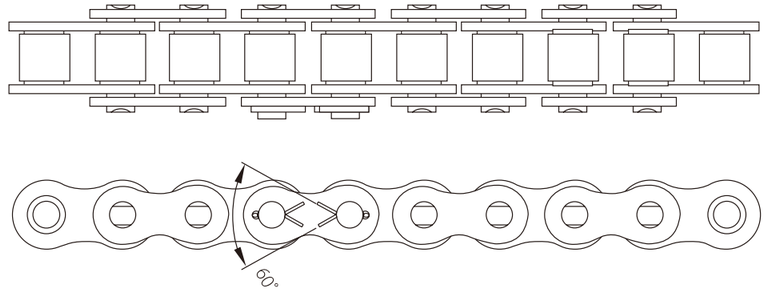
Drawing 5

1.7 Chain connection

Chains could be connected by adding the connecting plates onto the pins and pressed with spring clip. Then direction of clip aperture and transmission are against each other, as shown in drawing **6**. In addition, there is another way of chain connection by using the aperture type cotter key, as shown in drawing **7**.



Drawing 6



Drawing 7

2. Chain Lubrication:

2.1 Lubrication method

In order to lessen the abrasion while transmission, we should take proper way of lubrication. The method of chain lubrication is decided by chain running speed and rated power. There are usually **4** kinds of scopes for chain lubrication. The lowest requirement for chain lubrication must be satisfied while using it, as shown in diagram **1**.

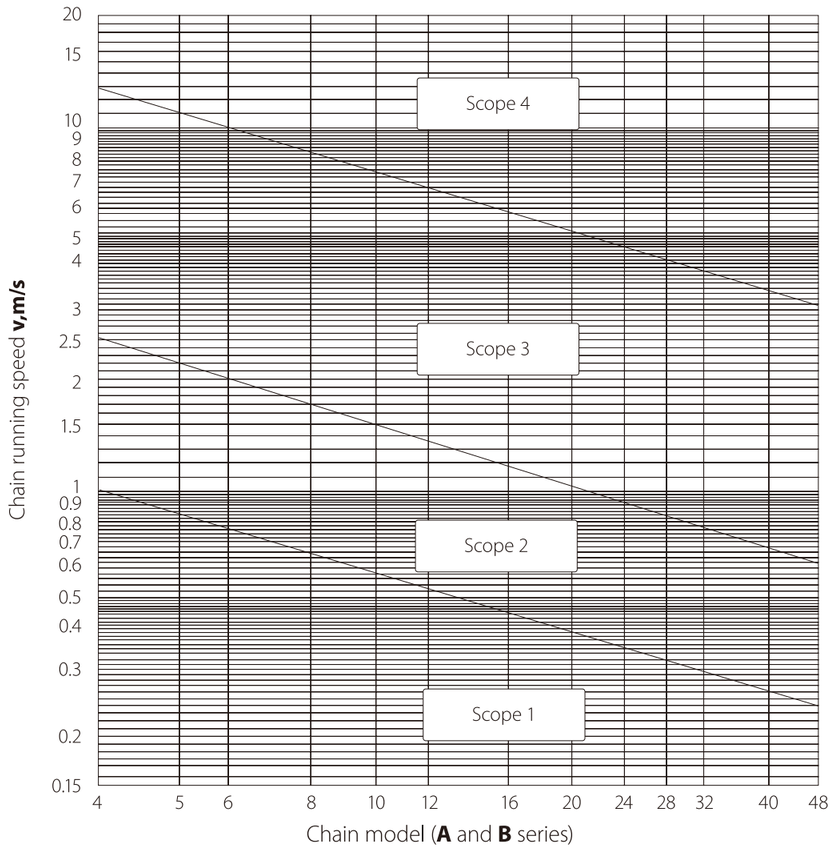


Diagram **1.** The diagram of chain lubrication scopes

Scope 1. Periodically and manually use oil pot and brush to lubricate the indicated position of **A** and **B** as shown in drawing **8**.

Scope 2. Oil dripping type lubrication.

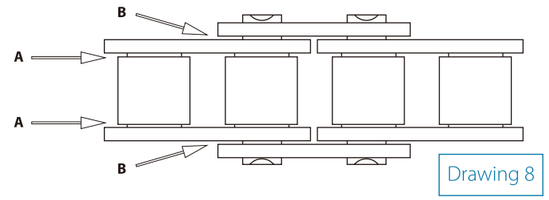
Scope 3. Lubricated by dropping into oil pool or lubricated by splashing of oil pan.

Scope 4. Lubricated from oil supplying by oil force pump with colander. Oil cooler can be used if necessary.

Note: When the space of chain transmission in narrow, in addition, the chain transmission with high speed and heavy horsepower, it will be necessary to use oil cooler.

Guidance of Chain Transmission of Installation.
Check & Maintenance

Installation, Check & Maintenance



Drawing 8

2.2 The viscosity of lubrication oil

Table **1** shows the viscosity ratings of lubrication oil for chain transmission in different running temperatures

ENVIRONMENTAL TEMPERATURE	≥**-5**℃ ≤**+5**℃	≥**+5**℃ ≤**25**℃	≥**+25**℃ ≤**+45**℃	≥**+45**℃ ≤**+70**℃
THE VISCOSITY RATINGS OF LUBRICATION OIL	**VG68 (SAE20)**	**VG100 (SAE30)**	**VG150 (SAE40)**	**VG220 (SAE50)**

Note: It must be certain that the lubrication oil is not polluted, especially there is no abrasive particles

Table **1.** Viscosity ratings of lubrication oil for chain transmission

3. Chain Checking:

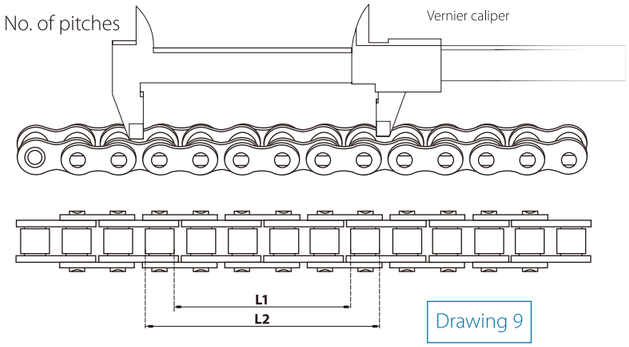
3.1 Simple measuring method to elongating status of the chain length

Drag straightly the two ends of chain, measuring method is shown in drawing **9**

Measuring length **L=(L1+L2) /2**

Standard length **LS=**Standard Pitch X Measured No. of pitches

Elongating ratio **Le=(L-LS)/LS x 100%**



Drawing 9

3.2 Degree of chain elongation.

When the elongating degree of chain is too big, transmission will not be smooth and transmitting effiiciency will be degraded.

As the elongating rate exceeds the utmost, new chain must be used as a replacement. See Table **2**

TEETH NO. OF SPROCKET	ELONGATING RATE
Below **40**	**2.0**
40~60	**1.5**
60~80	**1.2**
80~100	**1.0**
Over **100**	**0.8**

Table **2.** Teeth No. for chain transmission------Elongating rate

3.3 Checking on chain surface

1. Whether inner plate and outer plate are in distortion, cracking and corrosion.
2. Whether pin is in distortion, loosing and corrosion.
3. Whether roller is cracked, broken and over worn away.
4. Whether connecting link is loosen and deformed.
5. Whether there is any unusual noise or vibration while running, whether the lubrication condition is good.

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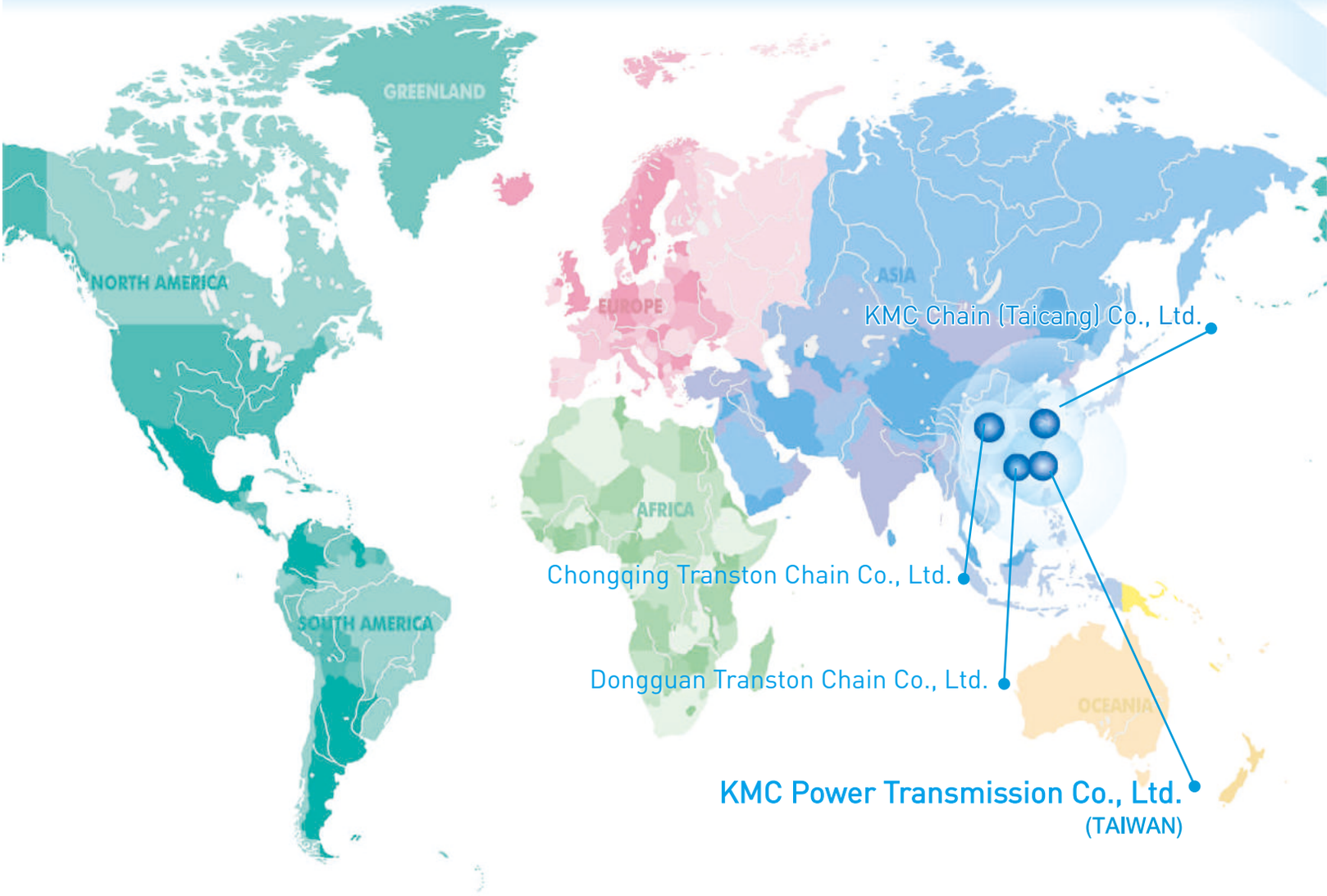

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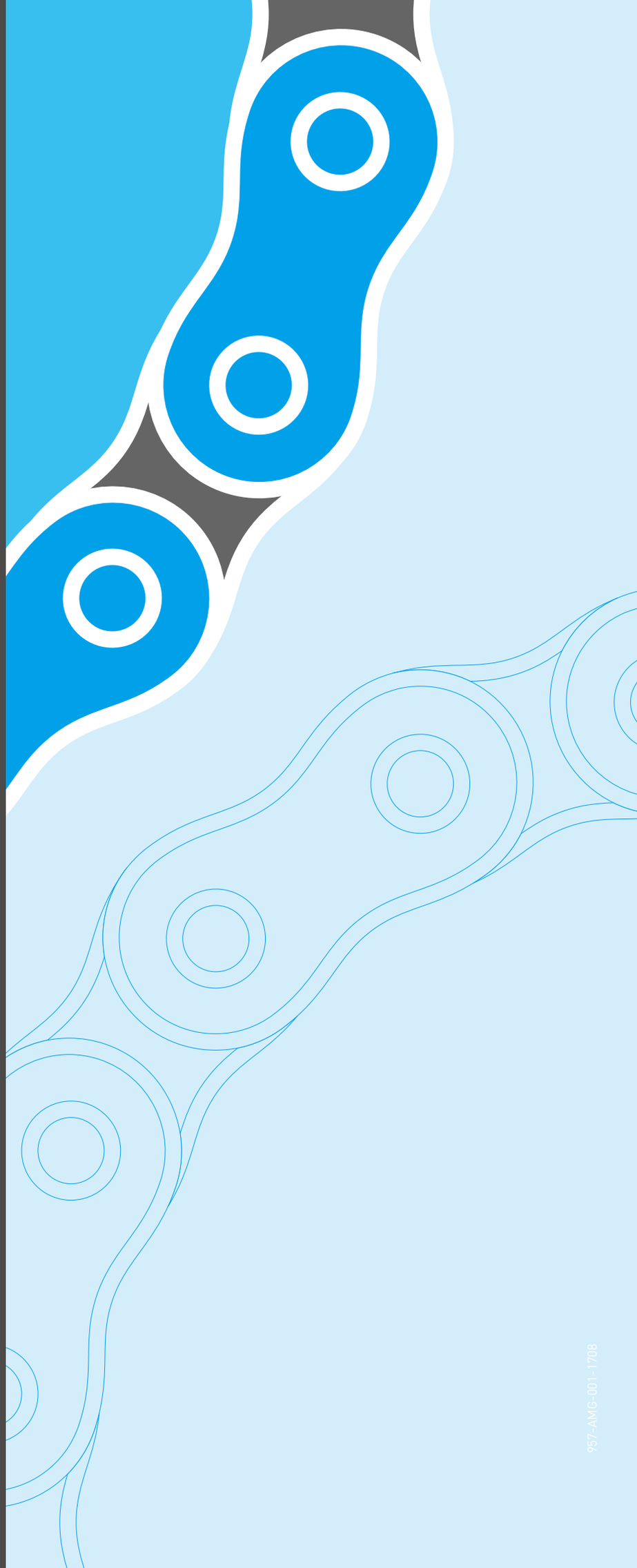

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