



Chain Products

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The international organization for standard had issued the ISO10823-1996 standard of Guidance on the selection of roller chain drives. If you try to calculate the input power, you must consider to revise it according to the following formal Actual power = input power x service factor x strand factor

Service Factor Table

Load type	Source of power		
	Internal combustion engine Hydraulic drive	Electric motor Turbine	Internal combustion Mechanical drive
Smooth	1.0	1.0	1.2
Moderate impact	1.2	1.3	1.4
High impact	1.4	1.5	1.7

Strand Factor Table

Number of strand	1	2	3	4	5	6
Factor	1.0	1.7	2.5	3.3	4.1	4.9

- The chain factories with long history in the world have their own chain transmission power rating graph and power table. Though our country haven't created our own power rating graph, we can refer to the ISO 10823-1996 standard selecting the drive power or selecting chain according to the drive power. The condition is that we should know the number of the small sprocket's teeth and its revolution.

Now we use the transmission part in walking tractor and the transmission power in ratary tillage to proof whether the chain selection is correct.

1 Chain drive part

Small sprocket rpm $n_1 = 1351$

Tooth number of small sprocket $Z_1 = 14$

Input power = 10.944HP = 8.16kW

2 Ratary tillage chain part

Small sprocket rpm $n_1 = 199$

Tooth number of small sprocket $Z_1 = 13$

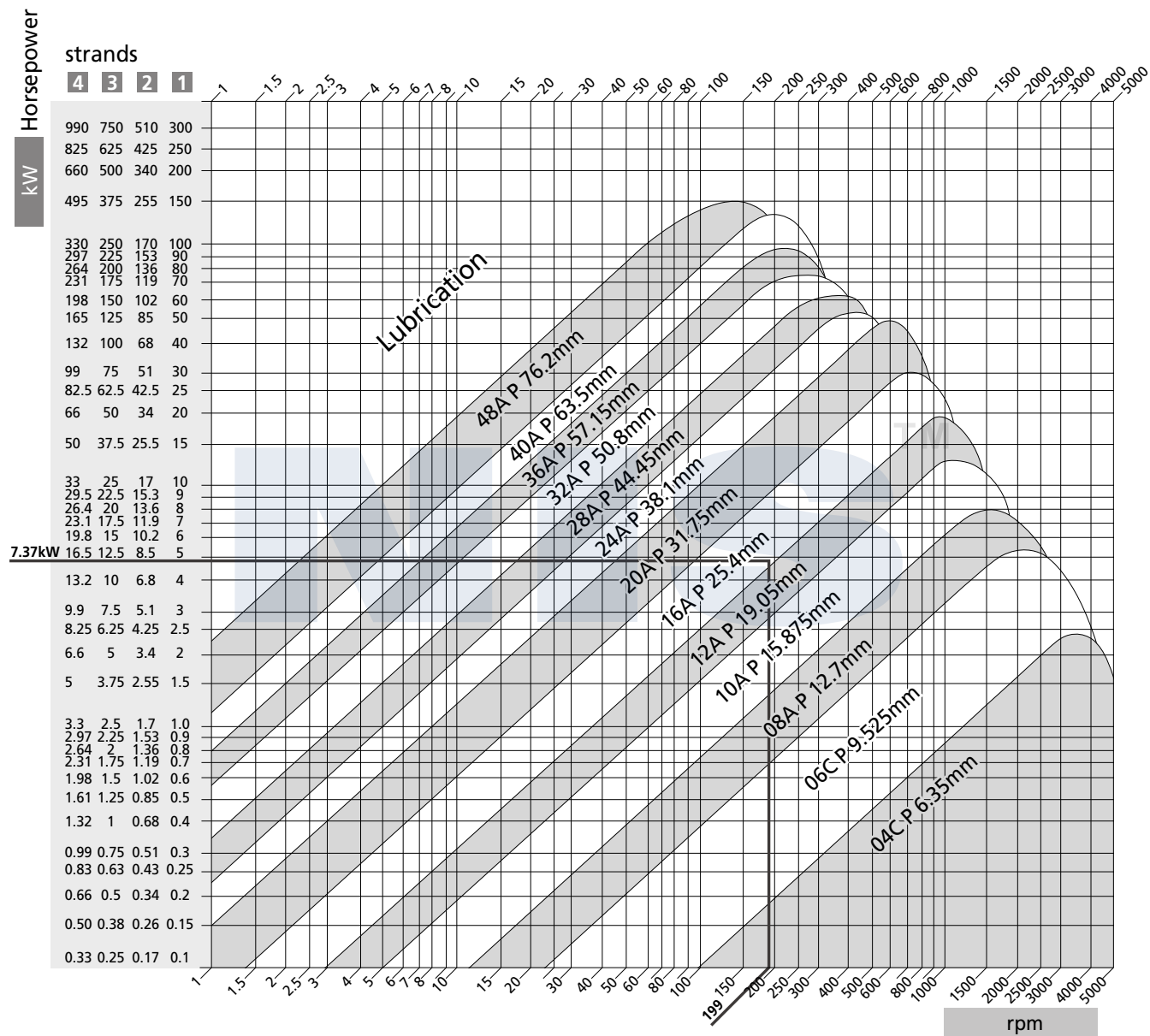
Input power = 9.888HP = 7.37kW

From A series horsepower rating graph, you'll find that selected 12A-2 roller chain is unsuitable, you should choose 16A-1 or 12AH-2 roller chain instead of 12A-2.

For drive $z_1 = 19$ teeth

Chain length 120 links/Ratio $i = 3$

Service life: 15000 hours

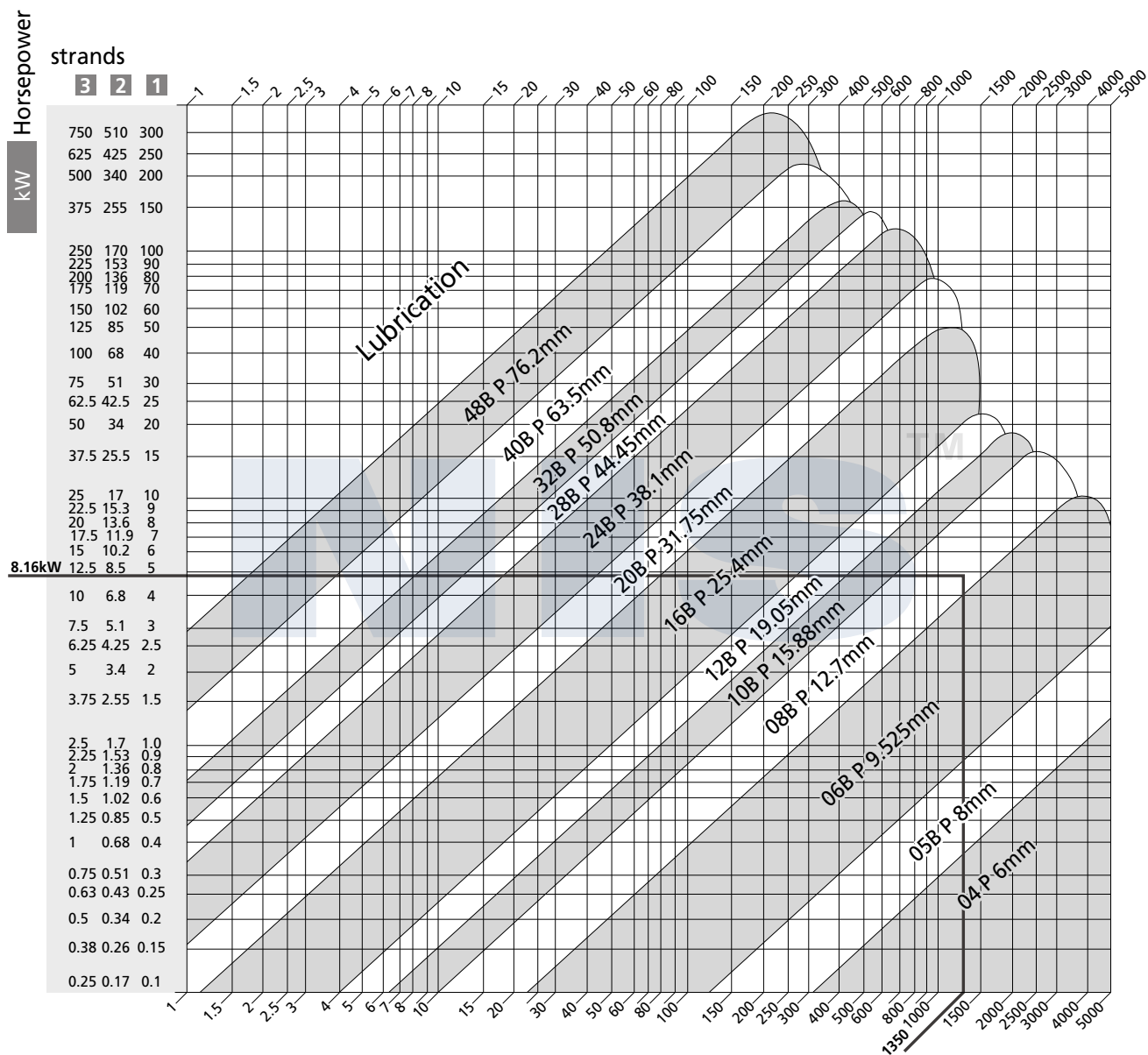


Horsepower Rating Graph (B Series Roller Chain)

For drive $z_1 = 19$ teeth

Chain length 120 links/Ratio $i = 3$

Service life: 15000 hours



Lubrication of chain depends on the working environment, temperature, chain speed and so on.

1. Effecton of working environment

Open drive such as combine swather etc, Use grease to lubricate.

Closed drive such as walking tractor etc, Use oil to lubricate.

2. Effecton of temperature

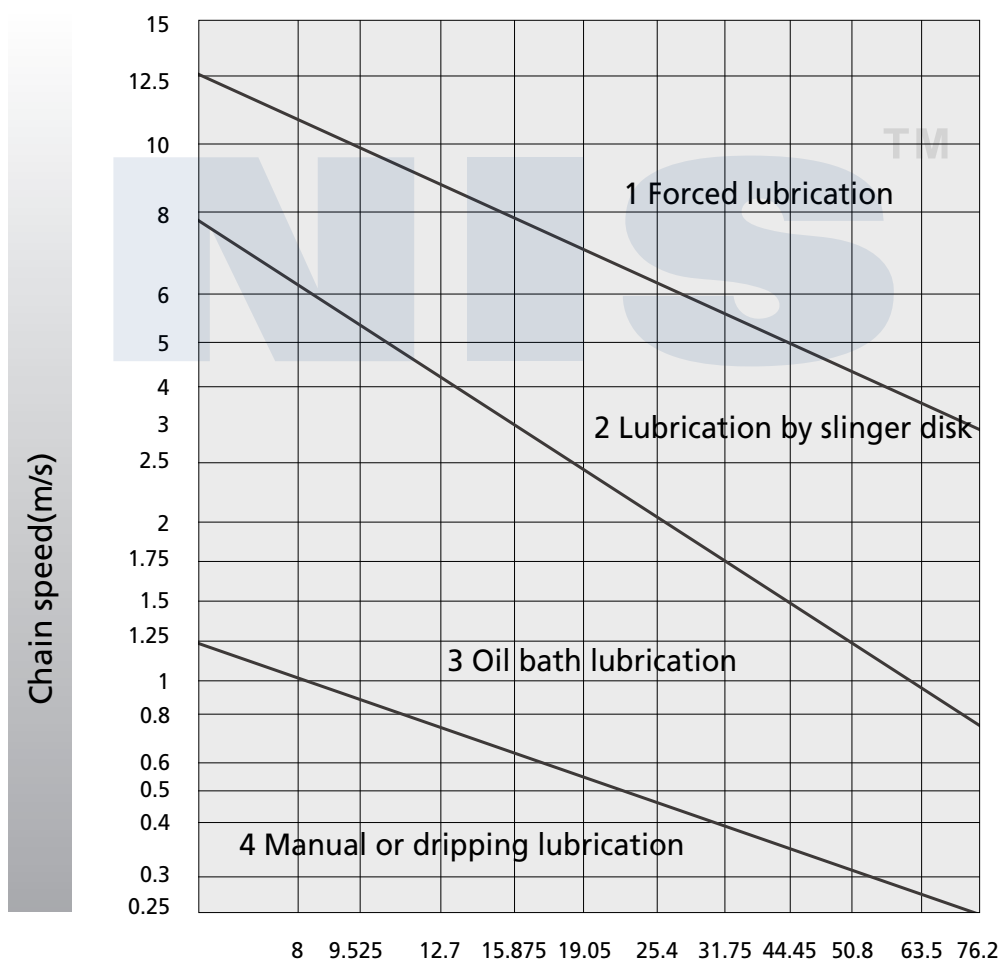
Application in the temperature range of -5 to +60°C is recommended.

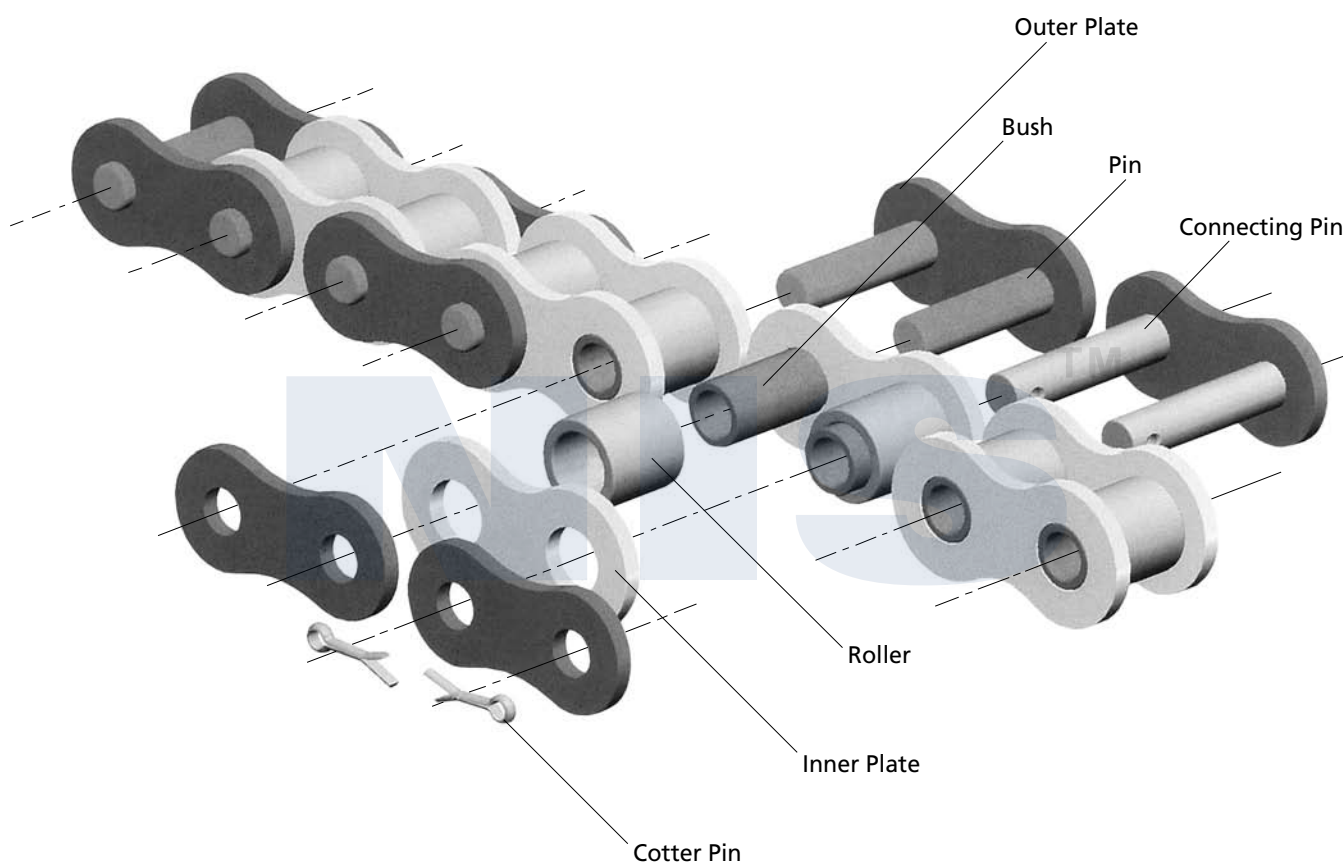
In winter, the thin oil is recommended; But in summer, thick oil is recommended.

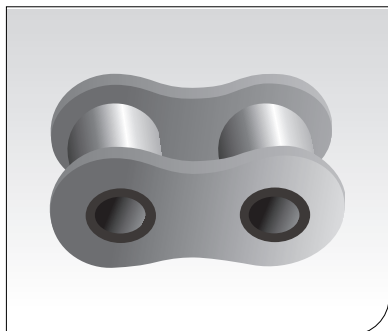
3. Effecton of chain speed

The lubrication method is related to chain speed see following chart.

So selecting the lubrication method can refer to the following chart.



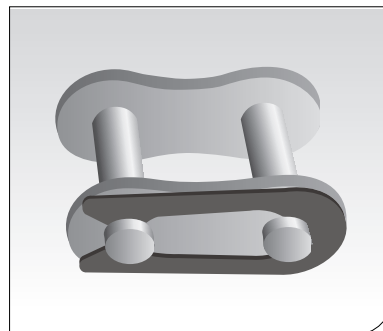




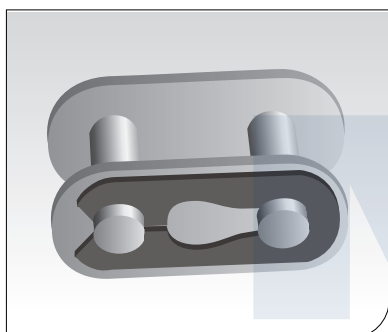
Roller link



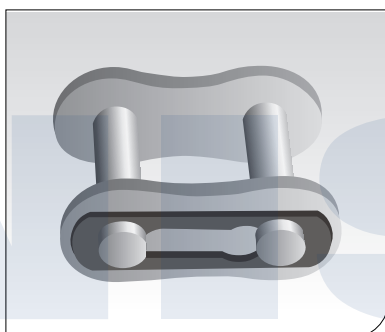
Pin link



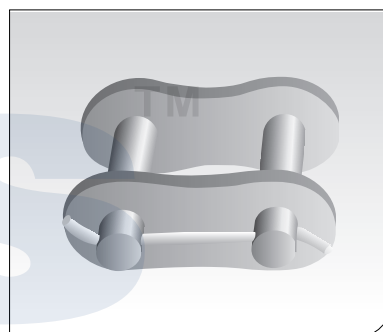
Connecting link with open spring clip



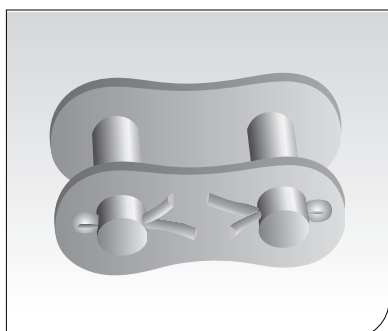
Connecting link with half-close spring clip



Connecting link with close spring clip



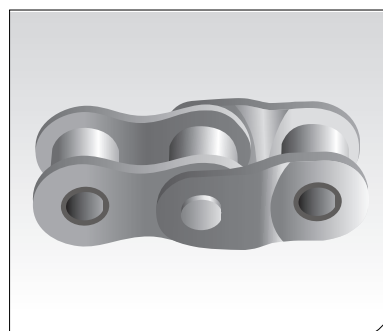
Connecting link with solid long cotter pin



Connecting link with cotter clip



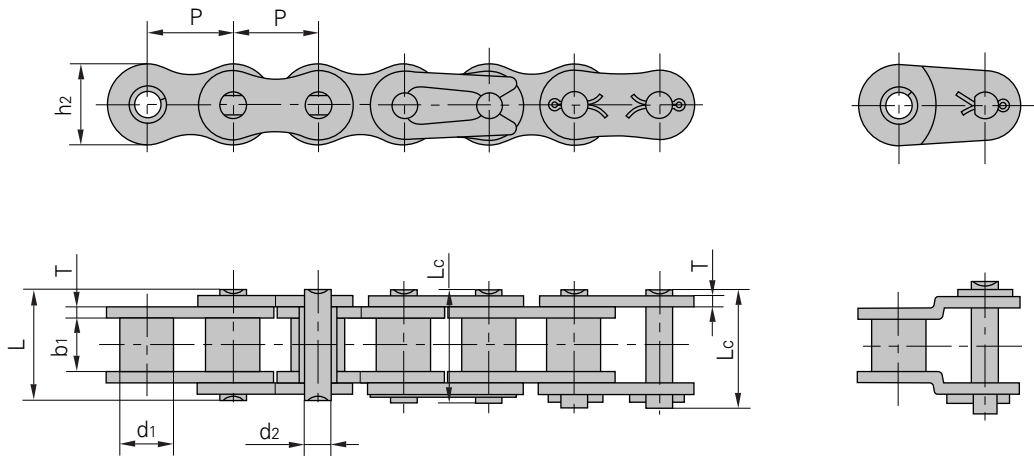
Offset link



Double offset link

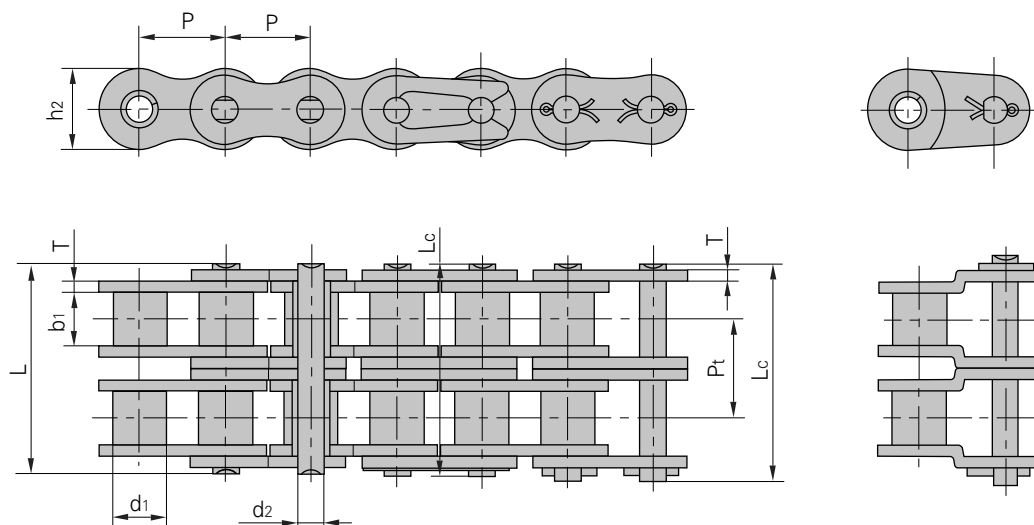
Short Pitch Precision Roller Chains (A Series)

■ Simplex roller chains & bushing chains



DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*03C	*15	4.7625	2.48	2.38	1.62	6.10	6.90	4.30	0.60	1.80/409	2.0	0.08
*04C-1	*25	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50/795	4.6	0.15
*06C-1	*35	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90/1795	10.8	0.33
085-1	41	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67/1516	12.6	0.41
08A-1	40	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10/3205	17.5	0.62
10A-1	50	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20/5045	29.4	1.02
12A-1	60	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80/7227	41.5	1.50
16A-1	80	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70/12886	69.4	2.60
20A-1	100	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50/20114	109.2	3.91
24A-1	120	38.100	22.23	25.22	11.10	50.30	54.30	35.70	4.80	127.00/28864	156.3	5.62
28A-1	140	44.450	25.40	25.22	12.70	54.40	59.00	41.00	5.60	172.40/39182	212.0	7.50
32A-1	160	50.800	28.58	31.55	14.27	64.80	69.60	47.80	6.40	226.80/51545	278.9	10.10
36A-1	180	57.150	35.71	35.48	17.46	72.80	78.60	53.60	7.20	280.20/63682	341.8	13.45
40A-1	200	63.500	39.68	37.85	19.85	80.30	87.20	60.00	8.00	353.80/80409	431.6	16.15
48A-1	240	76.200	47.63	47.35	23.81	95.50	103.00	72.39	9.50	510.30/115977	622.5	23.20

*Bushing chain: d1 in the table indicate the external diameter of the bushing.

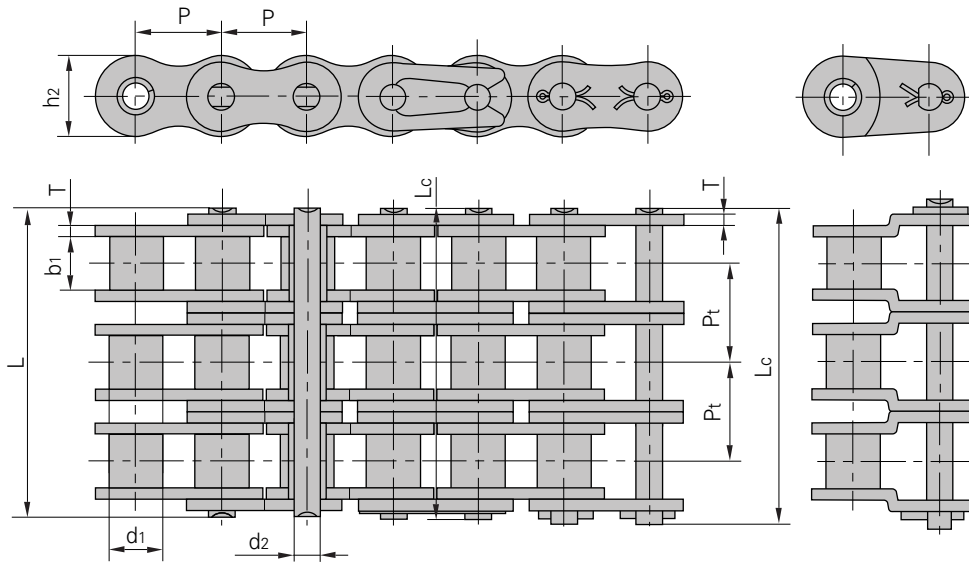


DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		p	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*04C-2	*25-2	6.350	3.30	3.18	2.31	14.5	15.0	6.00	0.80	6.40	7.00/1591	8.6	0.28
*06C-2	*35-2	9.525	5.08	4.77	3.58	22.5	23.3	9.00	1.30	10.13	15.80/3591	19.7	0.63
085-2	41-2	12.700	7.77	6.25	3.58	25.7	26.9	9.91	1.30	11.95	13.34/3032	16.9	0.81
08A-2	40-2	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.50	14.38	28.20/6409	35.9	1.12
10A-2	50-2	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.03	18.11	44.40/10091	58.1	2.00
12A-2	60-2	19.050	11.91	12.57	5.94	48.8	50.5	18.00	2.42	22.78	63.60/14455	82.1	2.92
16A-2	80-2	25.400	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.40/25773	141.8	5.15
20A-2	100-2	31.750	19.05	18.90	9.53	76.4	80.5	30.00	4.00	35.76	177.00/40227	219.4	7.80
24A-2	120-2	38.100	22.23	25.22	11.10	95.8	99.7	35.70	4.80	45.44	254.00/57727	314.9	11.70
28A-2	140-2	44.450	25.40	25.22	12.70	103.3	107.9	41.00	5.60	48.87	344.80/78364	427.5	15.14
32A-2	160-2	50.800	28.58	31.55	14.27	123.3	128.1	47.80	6.40	58.55	453.60/103091	562.4	20.14
36A-2	180-2	57.150	35.71	35.48	17.46	138.6	144.4	53.60	7.20	65.84	560.50/127386	695.0	29.22
40A-2	200-2	63.500	39.68	37.85	19.85	151.9	158.8	60.00	8.00	71.55	707.60/160818	877.4	32.24
48A-2	240-2	76.200	47.63	47.35	23.81	183.4	190.8	72.39	9.50	87.83	1020.60/213955	1255.3	45.23

*Bushing chain: d1 in the table indicate the external diameter of the bushing.

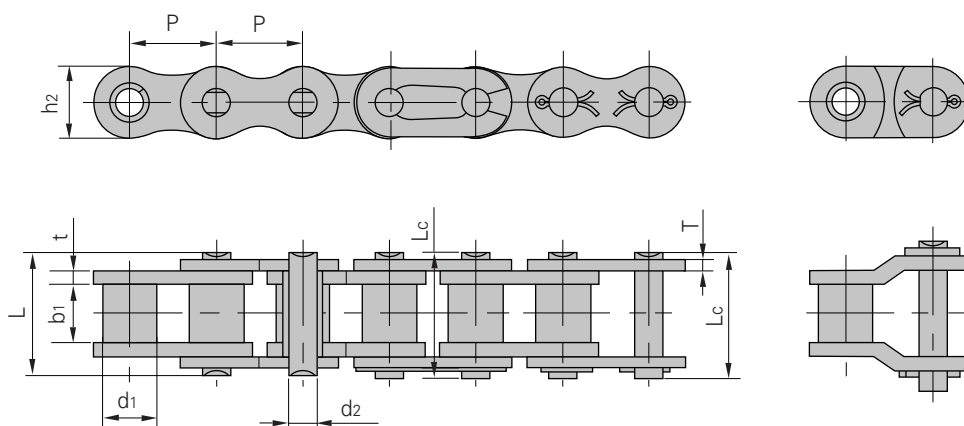
Short Pitch Precision Roller Chains (A Series)

Triplex roller chains & bushing chains



DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*04C-3	*25-3	6.350	3.30	3.18	2.31	21.0	21.5	6.00	0.80	6.40	10.5/2386	12.6	0.44
*06C-3	*35-3	9.525	5.08	4.77	3.58	32.7	33.5	9.00	1.30	10.13	23.7/5386	28.6	1.05
08A-3	40-3	12.700	7.95	7.85	3.96	45.4	46.6	12.00	1.50	14.38	42.3/9614	50.0	1.90
10A-3	50-3	15.875	10.16	9.40	5.08	57.0	58.5	15.09	2.03	18.11	66.6/15136	77.8	3.09
12A-3	60-3	19.050	11.91	12.57	5.94	71.5	73.3	18.00	2.42	22.78	95.4/21682	111.1	4.54
16A-3	80-3	25.400	15.88	15.75	7.92	91.7	93.6	24.00	3.25	29.29	170.1/38659	198.4	7.89
20A-3	100-3	31.750	19.05	18.90	9.53	112.2	116.3	30.00	4.00	35.76	265.5/60341	309.6	11.77
24A-3	120-3	38.100	22.23	25.22	11.10	141.4	145.2	35.70	4.80	45.44	381.0/86591	437.2	17.53
28A-3	140-3	44.450	25.40	25.22	12.70	152.2	156.8	41.00	5.60	48.87	517.2/117545	593.3	22.20
32A-3	160-3	50.800	28.58	31.55	14.27	181.8	186.6	47.80	6.40	58.55	680.4/154636	780.6	30.02
36A-3	180-3	57.150	35.71	35.48	17.46	204.4	210.2	53.60	7.20	65.84	840.7/191068	983.6	38.22
40A-3	200-3	63.500	39.68	37.85	19.85	223.5	230.4	60.00	8.00	71.55	1061.4/241227	1217.8	49.03
48A-3	240-3	76.200	47.63	47.35	23.81	271.3	278.6	72.39	9.50	87.83	1530.9/347932	1756.5	71.60

*Bushing chain: d1 in the table indicate the external diameter of the bushing.

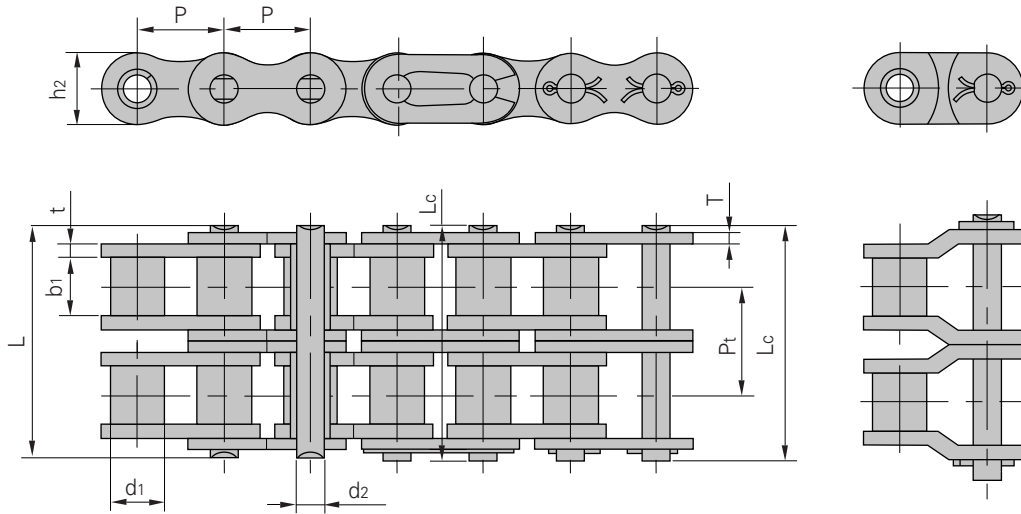


DIN/ISO Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
04B-1	6.000	4.00	2.80	1.85	6.80	7.8	5.00	0.60	3.0/682	3.2	0.11
05B-1	8.000	5.00	3.00	2.31	8.20	8.9	7.10	0.80	5.0/1136	5.9	0.20
*06B-1	9.525	6.35	5.72	3.28	13.15	14.1	8.20	1.30	9.0/2045	10.4	0.41
08B-1	12.700	8.51	7.75	4.45	16.70	18.2	11.80	1.60	18.0/4091	19.4	0.69
10B-1	15.875	10.16	9.65	5.08	19.50	20.9	14.70	1.70	22.4/5091	27.5	0.93
12B-1	19.050	12.07	11.68	5.72	22.50	24.2	16.00	1.85	29.0/6591	32.2	1.15
16B-1	25.400	15.88	17.02	8.28	36.10	37.4	21.00	4.15/3.1	60.0/13636	72.8	2.71
20B-1	31.750	19.05	19.56	10.19	41.30	45.0	26.40	4.5/3.5	95.0/21591	106.7	3.70
24B-1	38.100	25.40	25.40	14.63	53.40	57.8	33.20	6.0/4.8	160.0/36364	178.0	7.10
28B-1	44.450	27.94	30.99	15.90	65.10	69.5	36.70	7.5/6.0	200.0/45455	222.0	8.50
32B-1	50.800	29.21	30.99	17.81	66.00	71.0	42.00	7.0/6.0	250.0/56818	277.5	10.25
40B-1	63.500	39.37	38.10	22.89	82.20	89.2	52.96	8.5/8.0	355.0/80682	394.0	16.35
48B-1	76.200	48.26	45.72	29.24	99.10	107.0	63.80	12.0/10.0	560.0/127272	621.6	25.00
56B-1	88.900	53.98	53.34	34.32	114.6	123.0	77.80	13.5/12.0	850.0/193180	940.0	35.78
64B-1	101.60	63.50	60.96	39.40	130.0	138.5	90.17	15.0/13.0	112.0/254544	1240.0	46.00
72B-1	114.30	72.39	68.58	44.48	147.4	156.4	103.60	17.0/15.0	1400.0/318180	1550.0	60.80

*Straight side plates.

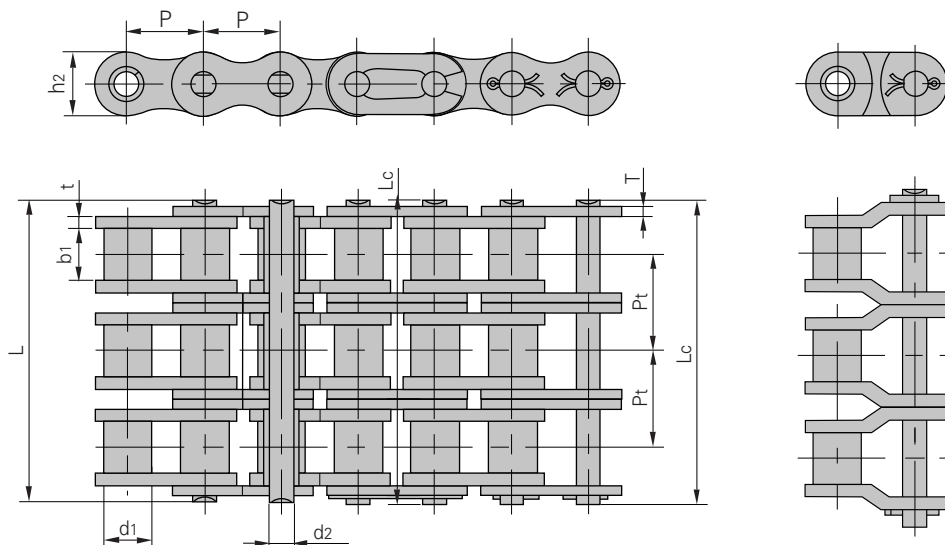
Short Pitch Precision Roller Chains (B Series)

Duplex roller chains



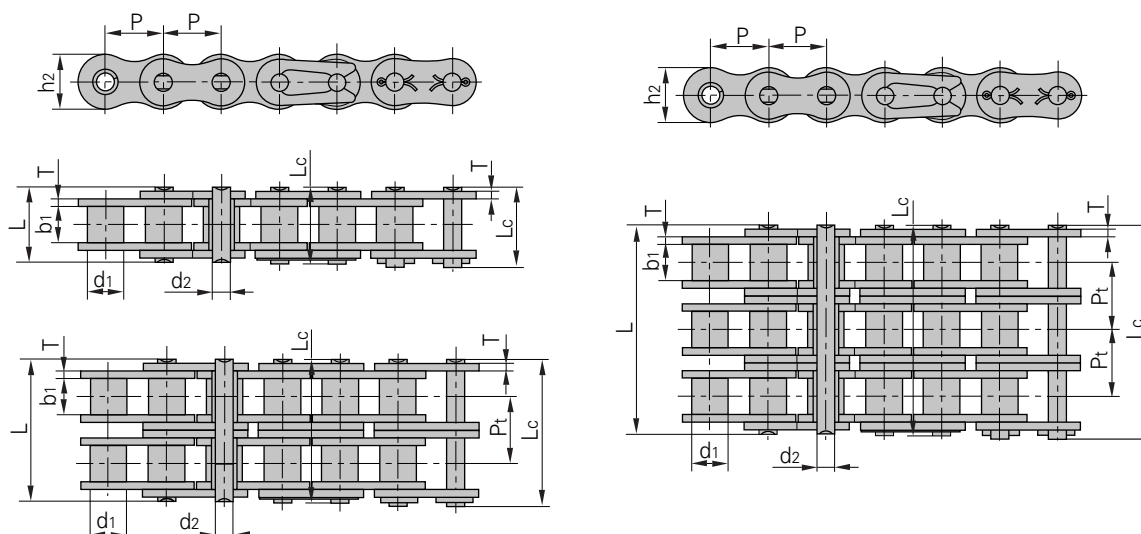
DIN/ISO Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
05B-2	8.000	5.00	3.00	2.31	13.9	14.5	7.10	0.80	5.64	7.8/1773	10.2	0.33
*06B-2	9.525	6.35	5.72	3.28	23.4	24.4	8.20	1.30	10.24	16.9/3841	18.7	0.77
08B-2	12.700	8.51	7.75	4.45	31.2	32.2	11.80	1.60	13.92	32.0/7273	38.7	1.34
10B-2	15.875	10.16	9.65	5.08	36.1	37.5	14.70	1.70	16.59	44.5/10114	56.2	1.84
12B-2	19.050	12.07	11.68	5.72	42.0	43.6	16.00	1.85	19.46	57.8/13136	66.1	2.31
16B-2	25.400	15.88	17.02	8.28	68.0	69.3	21.00	4.15/3.1	31.88	106.0/24091	133.0	5.42
20B-2	31.750	19.05	19.56	10.19	77.8	81.5	26.40	4.5/3.5	36.45	170.0/38636	211.2	7.20
24B-2	38.100	25.40	25.40	14.63	101.7	106.2	33.20	6.0/4.8	48.36	280.0/63636	319.2	13.40
28B-2	44.450	27.94	30.99	15.90	124.6	129.1	36.70	7.5/6.0	59.56	360.0/81818	406.8	16.60
32B-2	50.800	29.21	30.99	17.81	124.6	129.6	42.00	7.0/6.0	58.55	450.0/102273	508.5	21.00
40B-2	63.500	39.37	38.10	22.89	154.5	161.5	52.96	8.5/8.0	72.29	630.0/143182	711.9	32.00
48B-2	76.200	48.26	45.72	29.24	190.4	198.2	63.80	12.0/10.0	91.21	1000.0/227272	1130.0	50.00
56B-2	88.900	53.98	53.34	34.32	221.2	229.6	77.80	13.5/12.0	106.6	1600.0/363635	1760.0	71.48
64B-2	101.60	63.50	60.96	39.40	249.9	258.4	90.17	15.0/13.0	119.89	2000.0/454544	2200.0	91.00
72B-2	114.30	72.39	68.58	44.48	283.7	292.7	103.60	17.0/15.0	136.27	2500.0/568180	2750.0	120.40

*Straight side plates.



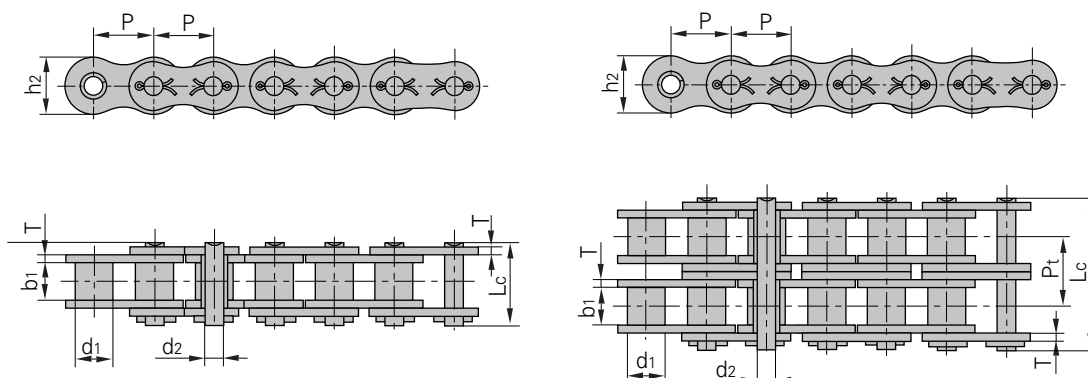
DIN/ISO Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	L1 max	h2 max	t/T max	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
05B-3	8.000	5.00	3.00	2.31	19.5	20.2	7.10	0.80	5.64	11.1/2523	13.8	0.48
*06B-3	9.525	6.35	5.72	3.28	33.5	34.6	8.20	1.30	10.24	24.9/5659	30.1	1.16
08B-3	12.700	8.51	7.75	4.45	45.1	46.1	11.80	1.60	13.92	47.5/10795	57.8	2.03
10B-3	15.875	10.16	9.65	5.08	52.7	54.1	14.70	1.70	16.59	66.7/15159	84.5	2.77
12B-3	19.050	12.07	11.68	5.72	61.5	63.1	16.00	1.85	19.46	86.7/19705	101.8	3.46
16B-3	25.400	15.88	17.02	8.28	99.8	101.2	21.00	4.15/3.1	31.88	160.0/36364	203.7	8.13
20B-3	31.750	19.05	19.56	10.19	114.2	117.9	26.40	4.5/3.5	36.45	250.0/56818	290.0	10.82
24B-3	38.100	25.40	25.40	14.63	150.1	154.6	33.20	6.0/4.8	48.36	425.0/96591	493.0	20.10
28B-3	44.450	27.94	30.99	15.90	184.2	188.7	36.70	7.5/6.0	59.56	530.0/120454	609.5	24.92
32B-3	50.800	29.21	30.99	17.81	183.2	188.2	42.00	7.0/6.0	58.55	670.0/152273	770.5	31.56
40B-3	63.500	39.37	38.10	22.89	226.8	233.8	52.96	8.5/8.0	72.29	950.0/215909	1092.5	48.10
48B-3	76.200	48.26	45.72	29.24	281.6	289.4	63.80	12.0/10.0	91.21	1500.0/340909	1710.0	75.00
56B-3	88.900	53.98	53.34	34.32	327.8	336.2	77.80	13.5/12.0	106.6	2240.0/545450	2240.0	107.18
64B-3	101.60	63.50	60.96	39.40	369.8	378.3	90.17	15.0/13.0	119.89	3000.0/681820	3300.0	136.00
72B-3	114.30	72.39	68.58	44.48	420.0	429.0	103.60	17.0/15.0	136.27	3750.0/852270	4125.0	180.00

*Straight side plates.



DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
	*35H	9.525	5.08	4.77	3.58	13.3	14.3	9.0	1.5		7.9/1795	10.8	0.41
08AH-1	40H	12.700	7.95	7.85	3.96	18.8	19.9	12.00	2.03		14.1/3205	19.1	0.82
10AH-1	50H	15.875	10.16	9.40	5.08	22.1	23.4	15.09	2.42		22.2/5045	30.2	1.25
12AH-1	60H	19.050	11.91	12.57	5.94	29.2	31.0	18.00	3.25		31.8/7227	42.7	1.87
16AH-1	80H	25.400	15.88	15.75	7.92	36.2	37.7	24.00	4.00		56.7/12886	71.4	3.10
20AH-1	100H	31.750	19.05	18.90	9.53	43.6	46.9	30.00	4.80		88.5/20114	112.4	4.52
24AH-1	120H	38.100	22.23	25.22	11.10	53.5	57.5	35.70	5.60		127.0/28864	160.9	6.60
28AH-1	140H	44.450	25.40	25.22	12.70	57.6	62.2	41.00	6.40		172.4/39182	217.3	8.30
32AH-1	160H	50.800	28.58	31.55	14.27	68.2	73.0	47.80	7.20		226.8/51545	285.8	10.30
36AH-1	180H	57.150	35.71	35.48	17.46	75.9	81.6	53.60	8.0		281.0/63863	341.8	14.83
40AH-1	200H	63.500	39.68	37.85	19.85	86.6	93.5	60.00	9.50		353.8/80409	444.5	19.16
48AH-1	240H	76.200	47.63	47.35	23.81	109.6	115.9	72.30	12.70		510.30/115977	622.5	30.4
12AH-2	60H-2	19.050	11.91	12.57	5.94	55.3	57.1	18.00	3.25	26.11	63.6/14455	84.5	3.71
16AH-2	80H-2	25.400	15.88	15.75	7.92	68.8	70.3	24.00	4.00	32.59	113.4/25773	145.3	6.15
20AH-2	100H-2	31.750	19.05	18.90	9.53	82.7	86.0	30.00	4.80	39.09	177.0/40227	225.9	9.03
24AH-2	120H-2	38.100	22.23	25.22	11.10	102.4	106.4	35.70	5.60	48.87	254.0/57727	322.7	13.13
28AH-2	140H-2	44.450	25.40	25.22	12.70	109.8	114.4	41.00	6.40	52.20	344.8/78364	437.7	16.60
32AH-2	160H-2	50.800	28.58	31.55	14.27	130.1	134.9	47.80	7.20	61.90	453.6/103091	571.6	20.20
40AH-2	200H-2	63.500	39.68	37.85	19.85	164.9	171.8	60.00	9.50	78.31	707.6/160818	894.9	38.11
12AH-3	60H-3	19.050	11.91	12.57	5.94	81.4	83.2	18.00	3.25	26.11	95.4/21682	113.9	5.54
16AH-3	80H-3	25.400	15.88	15.75	7.92	101.4	102.9	24.00	4.00	32.59	170.1/38659	203.5	9.42
20AH-3	100H-3	31.750	19.05	18.90	9.53	121.8	125.1	30.00	4.80	39.09	265.5/60341	314.8	12.96
24AH-3	120H-3	38.100	22.23	25.22	11.10	151.2	155.2	35.70	5.60	48.87	381.0/86591	444.7	19.64
28AH-3	140H-3	44.450	25.40	25.22	12.70	162.0	166.6	41.00	6.40	52.20	517.2/117545	598.4	24.90
32AH-3	160H-3	50.800	28.58	31.55	14.27	192.0	196.8	47.80	7.20	61.90	680.4/154636	787.3	30.10
40AH-3	200H-3	63.500	39.68	37.85	19.85	243.2	250.1	60.00	9.50	78.31	1061.4/241227	1228.2	57.06

*Bushing chain: d1 in the table indicate the external diameter of the bushing.

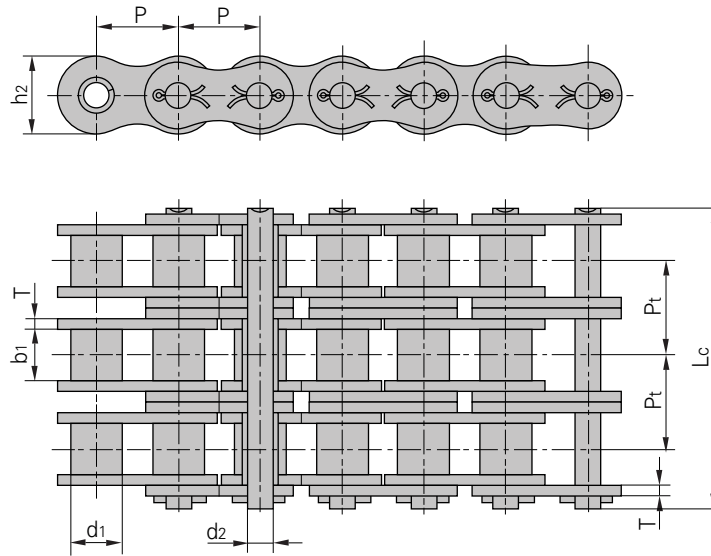


DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner plates	Pin Diameter	Pin Length	Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
10A-1	50	15.875	10.16	9.40	5.08	23.3	15.09	2.03		22.2/5045	29.4	1.02
12A-1	60	19.050	11.91	12.57	5.94	28.3	18.00	2.42		31.8/7227	41.5	1.50
16A-1	80	25.400	15.88	15.75	7.92	36.5	24.00	3.25		56.7/12886	69.4	2.60
20A-1	100	31.750	19.05	18.90	9.53	44.7	30.00	4.00		88.5/20114	109.2	3.91
24A-1	120	38.100	22.23	25.22	11.10	54.3	35.70	4.80		127.0/28864	156.3	5.62
28A-1	140	44.450	25.40	25.22	12.70	59.0	41.00	5.60		172.4/39182	212.0	7.50
32A-1	160	50.800	28.58	31.55	14.27	69.6	47.80	6.40		226.8/51545	278.9	10.10
36A-1	180	57.150	35.71	35.48	17.46	78.6	53.60	7.20		280.2/63682	341.8	13.45
40A-1	200	63.500	39.68	37.85	19.85	87.2	60.00	8.00		353.8/80409	431.6	16.15
48A-1	240	76.200	47.63	47.35	23.81	103.0	72.39	9.50		510.3/115977	622.5	23.20
10A-2	50-2	15.875	10.16	9.40	5.08	41.2	15.09	2.03	18.11	44.4/10091	58.1	2.00
12A-2	60-2	19.050	11.91	12.57	5.94	51.1	18.00	2.42	22.78	63.6/14455	82.1	2.92
16A-2	80-2	25.400	15.88	15.75	7.92	65.8	24.00	3.25	29.29	113.4/25773	141.8	5.15
20A-2	100-2	31.750	19.05	18.90	9.53	80.5	30.00	4.00	35.76	177.0/40227	219.4	7.80
24A-2	120-2	38.100	22.23	25.22	11.10	99.7	35.70	4.80	45.44	254.0/57727	314.9	11.70
28A-2	140-2	44.450	25.40	25.22	12.70	107.9	41.00	5.60	48.87	344.8/78364	427.5	15.14
32A-2	160-2	50.800	28.58	31.55	14.27	128.1	47.80	6.40	58.55	453.6/103091	562.4	20.14
36A-2	180-2	57.150	35.71	35.48	17.46	144.4	53.60	7.20	65.84	560.5/127386	695.0	29.22
40A-2	200-2	63.500	39.68	37.85	19.85	158.8	60.00	8.00	71.55	707.6/160818	877.4	32.24
48A-2	240-2	76.200	47.63	47.35	23.81	190.8	72.39	9.50	87.83	1020.6/231955	1255.3	45.23

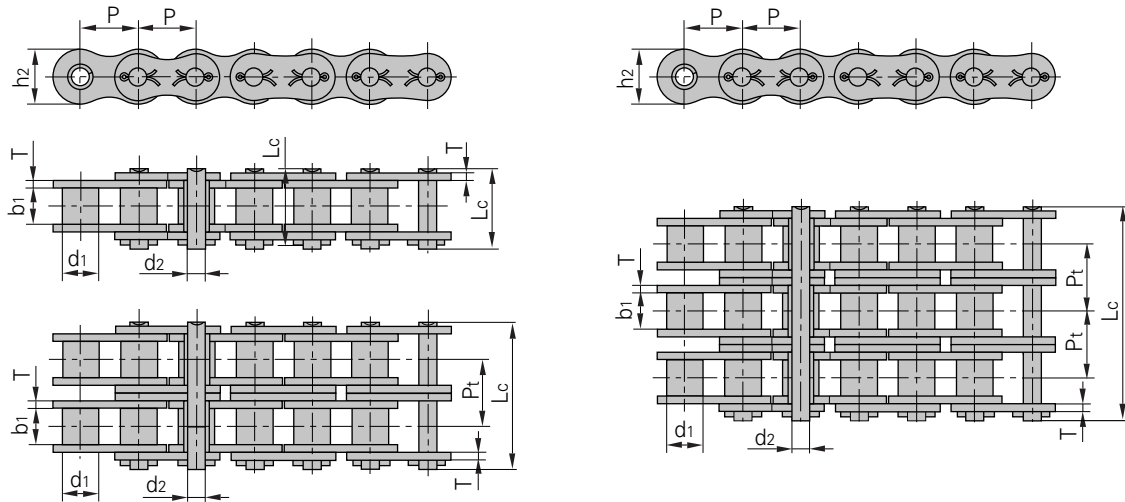
*Straight side plates.

Cottered Type Short Pitch Precision Roller Chains (A Series)

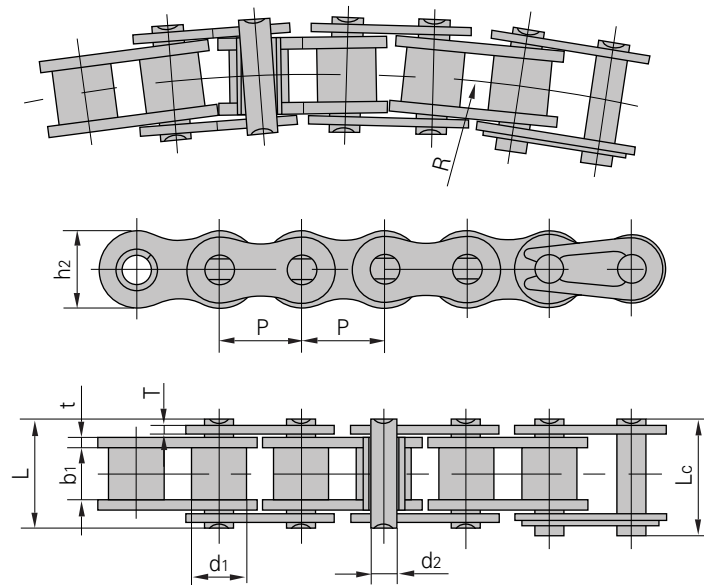
■ Triplex roller chains



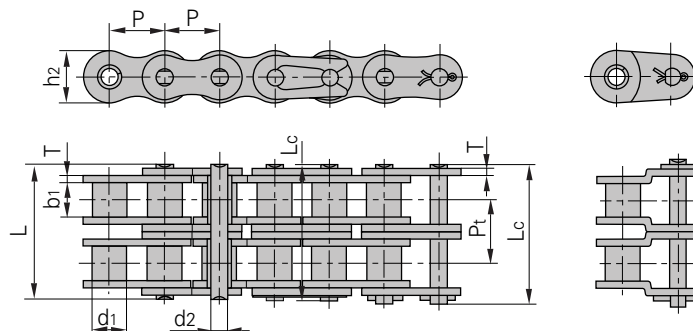
DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length	Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
10A-3	50-3	15.875	10.16	9.40	5.08	59.3	15.09	2.03	18.11	66.6/15136	77.8	3.09
12A-3	60-3	19.050	11.91	12.57	5.94	73.9	18.00	2.42	22.78	95.4/21682	111.1	4.54
16A-3	80-3	25.400	15.88	15.75	7.92	95.1	24.00	3.25	29.29	170.1/38659	198.4	7.89
20A-3	100-3	31.750	19.05	18.90	9.53	116.3	30.00	4.00	35.76	265.5/60341	309.6	11.77
24A-3	120-3	38.100	22.23	25.22	11.10	145.2	35.70	4.80	45.44	381.0/86591	437.2	17.53
28A-3	140-3	44.450	25.40	25.22	12.70	156.8	41.00	5.60	48.87	517.2/117545	593.3	22.20
32A-3	160-3	50.800	28.58	31.55	14.27	186.6	47.80	6.40	58.55	680.4/154636	780.6	30.02
36A-3	180-3	57.150	35.71	35.48	17.46	210.2	53.60	7.20	65.84	840.7/191068	983.6	38.22
40A-3	200-3	63.500	39.68	37.85	19.85	230.4	60.00	8.00	71.55	1061.4/241227	1217.8	49.03
48A-3	240-3	76.200	47.63	47.35	23.81	278.6	72.39	9.50	87.83	1530.9/347932	1756.5	71.60



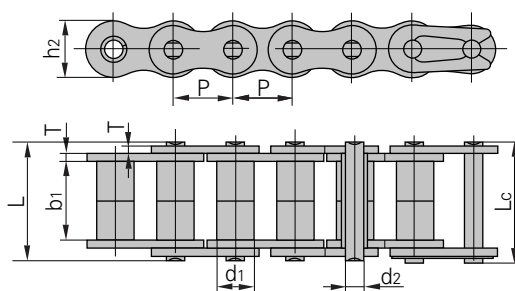
DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length	Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
10AH-1	50H	15.875	10.16	9.40	5.08	24.4	15.09	2.42		22.2/5045	30.2	1.25
12AH-1	60H	19.050	11.91	12.57	5.94	31.6	18.00	3.25		31.8/7227	42.7	1.87
16AH-1	80H	25.400	15.88	15.75	7.92	39.4	24.00	4.00		56.7/12886	71.4	3.10
20AH-1	100H	31.750	19.05	18.90	9.53	46.9	30.00	4.80		88.5/20114	112.4	4.52
24AH-1	120H	38.100	22.23	25.22	11.10	57.5	35.70	5.60		127.0/28864	160.9	6.60
28AH-1	140H	44.450	25.40	25.22	12.70	62.2	41.00	6.40		172.4/39182	217.3	8.30
32AH-1	160H	50.800	28.58	31.55	14.27	73.0	47.80	7.20		226.8/51545	285.8	10.30
40AH-1	200H	63.500	39.68	37.85	19.85	93.5	60.00	9.50		353.8/80409	444.5	19.16
12AH-2	60H-2	19.050	11.91	12.57	5.94	57.7	18.00	3.25	26.11	63.6/14454	84.5	3.71
16AH-2	80H-2	25.400	15.88	15.75	7.92	72.0	24.00	4.00	32.59	113.4/25773	145.3	6.15
20AH-2	100H-2	31.750	19.05	18.90	9.53	86.0	30.00	4.80	39.09	177.0/40227	225.9	9.03
24AH-2	120H-2	38.100	22.23	25.22	11.10	106.4	35.70	5.60	48.87	254.0/57727	322.7	13.13
28AH-2	140H-2	44.450	25.40	25.22	12.70	114.4	41.00	6.40	52.20	344.8/78364	437.7	16.60
32AH-2	160H-2	50.800	28.58	31.55	14.27	134.9	47.80	7.20	61.90	453.6/103091	571.6	20.20
40AH-2	200H-2	63.500	39.68	37.85	19.85	171.8	60.00	9.50	78.31	707.6/160818	894.9	38.11
12AH-2	60H-3	19.050	11.91	12.57	5.94	83.8	18.00	3.25	26.11	95.4/21682	113.9	5.54
16AH-2	80H-3	25.400	15.88	15.75	7.92	104.6	24.00	4.00	32.59	170.1/38659	203.5	9.42
20AH-3	100H-3	31.750	19.05	18.90	9.53	125.1	30.00	4.80	39.09	265.5/60341	314.8	12.96
24AH-3	120H-3	38.100	22.23	25.22	11.10	155.2	35.70	5.60	48.87	381.0/86591	444.7	19.64
28AH-3	140H-3	44.450	25.40	25.22	12.70	166.6	41.00	6.40	52.20	517.2/117545	598.4	24.90
32AH-3	160H-3	50.800	28.58	31.55	14.27	196.8	47.80	7.20	61.90	680.4/154636	787.3	30.10
40AH-3	200H-3	63.500	39.68	37.85	19.85	250.1	60.00	9.50	78.31	1061.4/241227	1228.2	57.06



Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Side Bow Radius	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	R min	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
40SB	12.70	7.95	7.85	3.96	16.9	18.1	11.7	1.5	350	13.8/3136	15.2	0.80
43SB	12.70	7.95	7.85	3.45	18.3	19.5	11.7	1.5	305	12.0/2727	13.2	0.64
50SB	15.875	10.16	9.40	4.37	20.7	22.7	14.9	2.03	400	20.6/4681	22.7	1.09
60SB	19.05	11.91	12.57	5.34	26.6	28.4	18.0	2.42	500	15.7/3568	17.3	1.54
63SB	19.05	11.91	12.68	5.08	28.8	30.6	17.2	2.42/2.03	350	12.5/2840	20.0	1.40
80SB	25.40	15.88	15.75	7.19	34.0	37.3	24.0	3.25	711	40.9/9201	42.0	2.60
08BSB	12.70	8.51	7.75	3.97	17.4	18.7	11.8	1.6	400	14.0/3182	15.4	0.70
08BSBF1	12.70	8.51	7.75	3.97	16.3	17.6	11.8	1.6/1.2	400	12.8/2909	14.1	0.65
10BSB	15.875	10.16	9.65	4.50	20.1	21.5	14.7	1.7	400	15.6/3545	17.2	0.93
12BSB	19.05	12.07	11.68	5.12	23.1	24.8	16.0	1.85	500	20.5/4658	22.6	1.16
C2050SB	31.75	10.16	9.40	5.08	21.3	22.6	15.0	2.03	800	21.8/4954	24.1	0.84

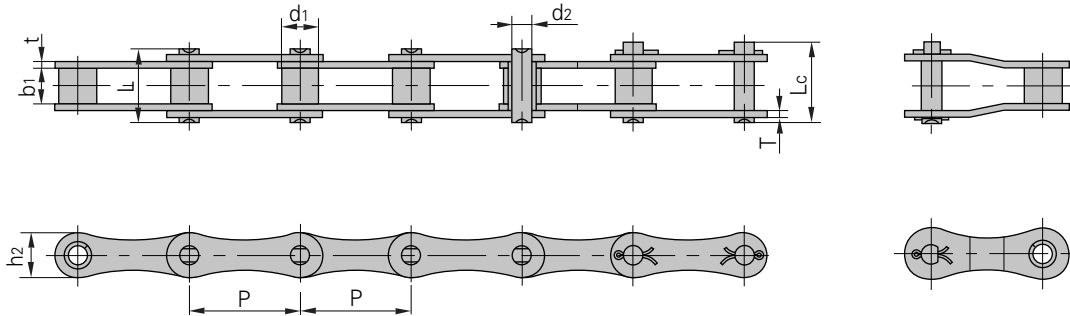


ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Piece
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
4012	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.50	14.38	28.2/6409	35.9	0.16
4014	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.50	14.38	28.2/6409	35.9	0.19
4016	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.50	14.38	28.2/6409	35.9	0.21
5014	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.03	18.11	44.4/10091	58.1	0.49
5016	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.03	18.11	44.4/10091	58.1	0.56
5018	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.03	18.11	44.4/10091	58.1	0.63
6018	19.050	11.91	12.57	5.94	48.8	50.5	18.00	2.42	22.78	63.6/14455	82.1	1.00
6020	19.050	11.91	12.57	5.94	48.8	50.5	18.00	2.42	22.78	63.6/14455	82.1	1.11
6022	19.050	11.91	12.57	5.94	48.8	50.5	18.00	2.42	22.78	63.6/14455	82.1	1.22
8018	25.400	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.4/25773	141.8	2.35
8020	25.400	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.4/25773	141.8	2.62
8022	25.400	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.4/25773	141.8	2.88
10022	31.750	19.05	18.90	9.53	76.4	80.5	30.00	4.00	35.76	177.0/40227	219.4	4.95
12018	38.100	22.23	25.22	11.10	95.8	99.7	35.70	4.80	45.44	254.0/57727	314.9	8.14

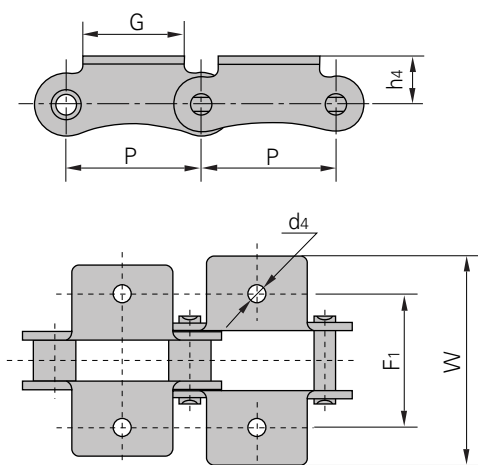
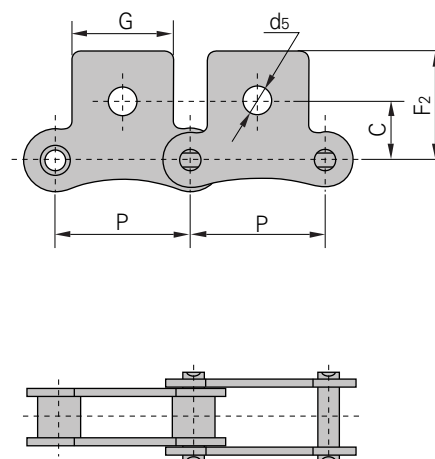


Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Breaking Load	Average Tensile Strength	Weight Per Meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Q	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
10AF13	15.875	10.16	16.31	5.08	27.6	29.1	15.09	2.03	22.20/5045	29.4	1.35
12AF2	19.050	11.91	19.10	5.94	32.6	34.4	18.00	2.42	31.80/7227	41.5	1.90
12AF6	19.050	11.91	18.80	5.94	31.9	33.5	18.00	2.42	31.80/7227	41.5	1.87
12AF26	19.050	11.91	19.36	5.94	31.9	33.5	18.00	2.42	31.80/7227	41.5	1.94
16AF25	25.400	15.88	25.58	7.92	42.4	43.9	24.00	3.25	56.70/12886	69.4	3.26

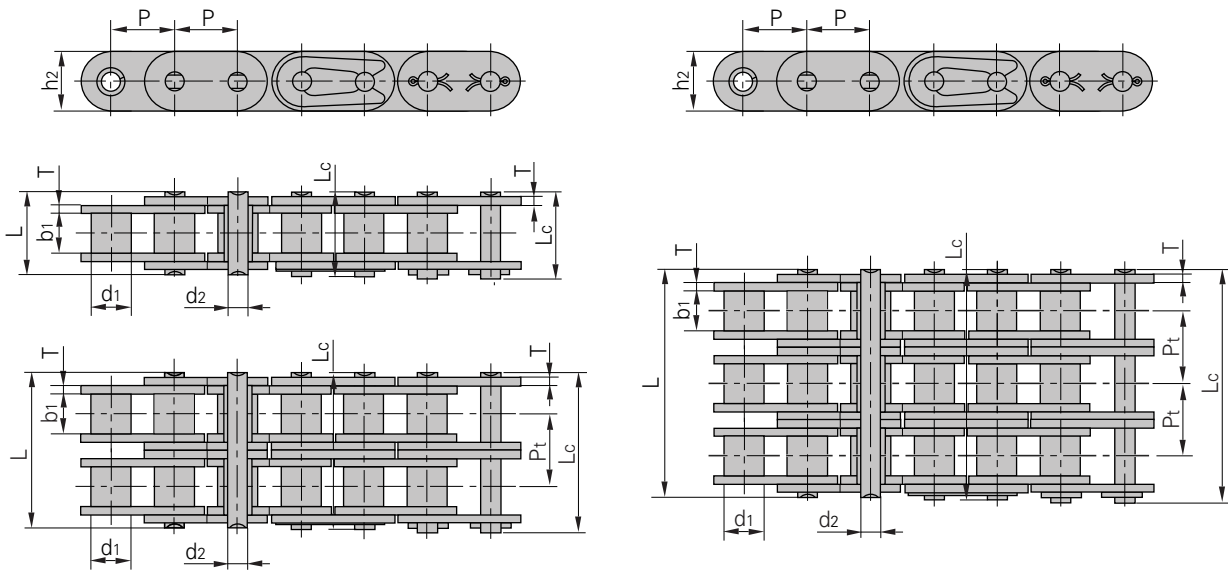
Double Pitch Transmission Chains



DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		p	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
208A	2040	25.40	7.95	7.85	3.96	16.6	17.8	12.0	1.50	14.1/3205	16.7	0.42
208B		25.40	8.51	7.75	4.45	16.7	18.2	11.8	1.60	18.0/4091	19.4	0.45
210A	2050	31.75	10.16	9.40	5.08	20.7	22.2	15.0	2.03	22.2/5045	28.1	0.73
210B		31.75	10.16	9.65	5.08	19.5	20.9	14.7	1.70	22.4/5091	27.5	0.65
212A	2060	38.10	11.91	12.57	5.94	25.9	27.7	18.0	2.42	31.8/7227	36.8	1.02
212B		38.10	12.07	11.68	5.72	22.5	25.2	16.0	1.85	29.0/6591	32.2	0.76
216A	2080	50.80	15.88	15.75	7.92	32.7	36.5	24.0	3.25	56.7/12886	65.7	1.70
216AH	2080H	50.80	15.88	15.75	7.92	36.2	39.4	24.0	4.00	56.7/12886	70.0	2.17
216B		50.80	15.88	17.02	8.28	36.1	39.1	21.0	4.15/3.1	60.0/13636	72.8	1.75
220A	2100	63.50	19.05	18.90	9.53	40.4	44.7	30.0	4.00	88.5/20114	102.6	2.55
220B		63.50	19.05	19.56	10.19	41.3	45.0	26.4	4.5/3.5	95.0/14773	106.7	2.62
224A	2120	76.20	22.23	25.22	11.10	50.3	54.3	35.7	4.80	127.0/28864	147.3	4.06
224B		76.20	25.40	25.40	14.63	53.4	57.8	33.2	6.0/4.8	160.0/36364	178.0	4.70
228B		88.90	27.94	30.99	15.90	65.1	69.5	36.7	7.5/6.0	200.0/45455	222.0	6.23
232B		101.60	29.21	30.99	17.81	66.0	71.0	42.0	7.0/6.0	250.0/56818	277.5	6.72

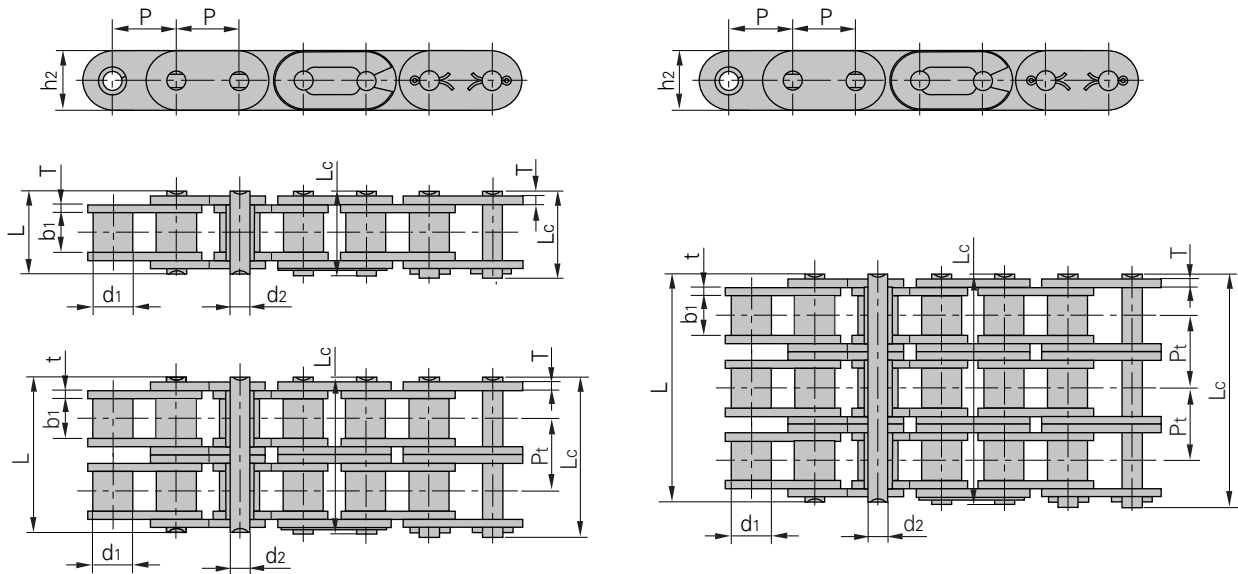
K-1

SK-1


DIN/ISO Chain No.	ANSI Chain No.	P	G	F1	W	h4	d4	C	F2	d5
		mm	mm	mm	mm	mm	mm	mm	mm	mm
208A	2040	25.40	19.1	25.4	39.6	9.1	3.4	11.1	20.5	5.5
210A	2050	31.75	23.8	31.8	49.0	11.1	5.5	14.3	25.0	6.6
212A	2060	38.10	28.6	42.9	67.8	14.7	5.5	17.5	32.9	9.2
216A	2080	50.80	38.1	55.6	87.8	19.1	6.8	22.2	43.5	11.0
220A	2100	63.50	47.6	66.6	107.5	23.4	9.2	28.6	50.4	13.0
224A	2120	76.20	57.2	79.3	121.4	27.8	10.5	33.3	55.5	15.0
208B		25.40	23.2	25.4	39.6	9.1	4.5	11.1	20.5	5.5
210B		31.75	23.8	31.8	49.0	11.1	5.5			
212B		38.10	35.0	38.1	57.0	14.7	6.6			
216B		50.80	44.0	50.8	84.0	19.1	6.6			
220B		63.50	52.0	63.5	104.0	23.4	8.4			
224B		76.20	60.0	76.2	120.0	27.8	10.5			

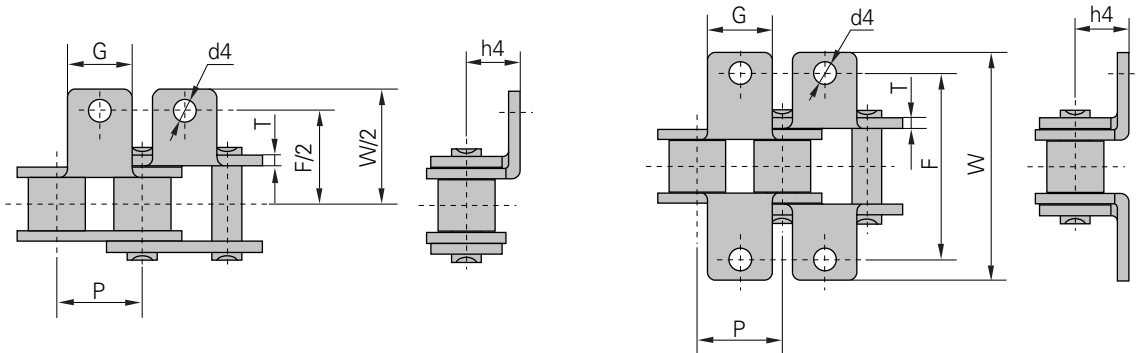


DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
	*C35	9.525	5.08	4.77	3.58	13.3	14.3	9.00	1.30		7.9/1795	10.8	0.41
08AF-1	C40	12.700	7.95	7.85	3.96	16.6	18.8	12.00	1.50		14.1/3273	17.5	0.73
10AF-1	C50	15.875	10.16	9.40	5.08	20.7	23.3	15.09	2.03		22.2/5045	29.4	1.23
12AF-1	C60	19.050	11.91	12.57	5.94	25.9	28.3	18.0/18.2	2.42		31.8/7227	41.5	1.8/1.83
16AF-1	C80	25.400	15.88	15.75	7.92	32.7	36.5	24.00	3.25		56.7/12886	69.4	3.09
20AF-1	C100	31.750	19.05	18.90	9.53	40.4	44.7	30.00	4.00		88.5/20114	109.2	4.56
24AF-1	C120	38.100	22.23	25.22	11.10	50.3	54.3	35.70	4.80		127.0/28864	156.3	6.86
28AF-1	C140	44.450	25.40	25.22	12.70	54.4	59.0	41.00	5.60		172.4/39182	212.0	8.49
32AF-1	C160	50.800	28.58	31.55	14.27	64.8	69.6	47.80	6.40		226.8/51545	278.9	11.50
08AF-2	C40-2	12.700	7.95	7.85	3.96	31.0	33.2	12.00	1.50	14.38	28.2/6409	35.9	1.43
10AF-2	C50-2	15.875	10.16	9.40	5.08	38.9	41.4	15.09	2.03	18.11	44.4/10091	58.1	2.42
12AF-2	C60-2	19.050	11.91	12.57	5.94	48.8	51.1	18.0/18.2	2.42	22.78	63.6/14455	82.1	3.58/3.62
16AF-2	C80-2	25.400	15.88	15.75	7.92	62.7	65.8	24.00	3.25	29.29	113.4/25773	141.8	6.12
20AF-2	C100-2	31.750	19.05	18.90	9.53	76.4	80.5	30.00	4.00	35.76	177.0/40227	219.4	9.08
24AF-2	C120-2	38.100	22.23	25.22	11.10	95.8	99.7	35.70	4.80	45.44	254.0/57727	314.9	13.60
28AF-2	C140-2	44.450	25.40	25.22	12.70	103.3	107.9	41.00	5.60	48.87	344.8/78364	427.5	16.86
32AF-2	C160-2	50.800	28.58	31.55	14.27	123.3	128.1	47.80	6.40	58.55	453.6/103091	562.4	22.90
08AF-3	C40-3	12.700	7.95	7.85	3.96	45.4	47.6	12.00	1.50	14.38	42.3/9614	50.0	2.14
10AF-3	C50-3	15.875	10.16	9.40	5.08	57.0	59.5	15.09	2.03	18.11	66.6/15136	77.8	3.62
12AF-3	C60-3	19.050	11.91	12.57	5.94	71.5	73.9	18.0/18.2	2.42	22.78	95.4/21682	111.1	5.36/5.41
16AF-3	C80-3	25.400	15.88	15.75	7.92	91.7	95.1	24.00	3.25	29.29	170.1/38659	198.4	9.10
20AF-3	C100-3	31.750	19.05	18.90	9.53	112.2	116.3	30.00	4.00	35.76	265.5/60341	309.6	13.60
24AF-3	C120-3	38.100	22.23	25.22	11.10	141.4	145.2	35.70	4.80	45.44	381.0/86591	437.2	20.43
28AF-3	C140-3	44.450	25.40	25.22	12.70	152.2	156.8	41.00	5.60	48.87	517.2/117545	593.3	25.23
32AF-3	C160-3	50.800	28.58	31.55	14.27	181.8	186.6	47.80	6.40	58.55	680.4/154636	780.6	34.19

*Bushing chain: d1 in the table indicate the external diameter of the bushing.

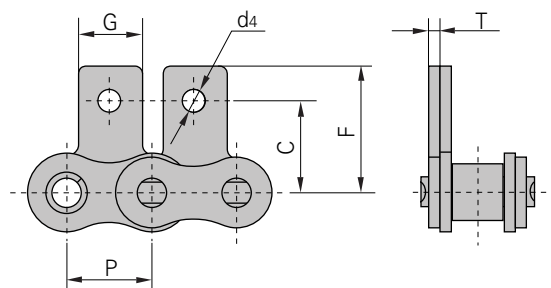
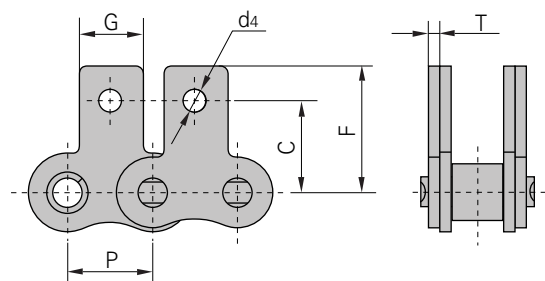


DIN/ISO Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
08BF-1	12.700	8.51	7.75	4.45	16.7	18.2	11.8	1.60		18.0/4091	19.5	0.80
10BF-1	15.875	10.16	9.65	5.08	19.5	20.9	14.7	1.70		22.4/5091	27.9	1.06
12BF-1	19.050	12.07	11.68	5.72	22.5	25.2	16.0	1.85		29.0/6591	32.2	1.32
16BF-1	25.400	15.88	17.02	8.28	36.1	39.1	21.0/24.0	4.15/3.1		60.0/13636	72.8	3.08/3.49
20BF-1	31.750	19.05	19.56	10.19	41.3	45.0	26.4	4.5/3.5		95.0/21591	106.7	4.16
24BF-1	38.100	25.40	25.40	14.63	53.4	57.8	33.2	6.0/4.8		160.0/36364	178.0	7.47
28BF-1	44.450	27.94	30.99	15.90	65.1	69.5	36.7	7.5/6.0		200.0/45455	222.0	9.90
32BF-1	50.800	29.21	30.99	17.81	66.0	71.0	42.0	7.0/6.0		250.0/56818	277.5	10.45
08BF-2	12.700	8.51	7.75	4.45	31.2	32.2	11.8	1.60	13.92	32.0/7273	38.7	1.45
10BF-2	15.875	10.16	9.65	5.08	36.1	37.5	14.7	1.70	16.59	44.5/10114	57.8	2.00
12BF-2	19.050	12.07	11.68	5.72	42.0	44.7	16.0	1.85	19.46	57.8/13136	66.1	2.62
16BF-2	25.400	15.88	17.02	8.28	68.0	71.0	21.0/24.0	4.15/3.1	31.88	106.0/24091	133.0	6.10/6.92
20BF-2	31.750	19.05	19.56	10.19	77.8	81.5	26.4	4.5/3.5	36.45	170.0/38636	211.2	8.23
24BF-2	38.100	25.40	25.40	14.63	101.7	106.2	33.2	6.0/4.8	48.36	280.0/63636	319.2	14.77
28BF-2	44.450	27.94	30.99	15.90	124.6	129.1	36.7	7.5/6.0	59.56	360.0/81818	406.8	19.82
32BF-2	50.800	29.21	30.99	17.81	124.6	129.6	42.0	7.0/6.0	58.55	450.0/102273	508.5	20.94
08BF-3	12.700	8.51	7.75	4.45	45.1	46.1	11.8	1.60	13.92	47.5/10795	57.8	2.10
10BF-3	15.875	10.16	9.65	5.08	52.7	54.1	14.7	1.70	16.59	66.7/15159	84.5	2.87
12BF-3	19.050	12.07	11.68	5.72	61.5	64.2	16.0	1.85	19.46	86.7/19705	101.8	3.89
16BF-3	25.400	15.88	17.02	8.28	99.8	102.9	21.0/24.0	4.15/3.1	31.88	160.0/36364	203.7	9.12/10.34
20BF-3	31.750	19.05	19.56	10.19	114.2	117.9	26.4	4.5/3.5	36.45	250.0/56818	290.0	11.34
24BF-3	38.100	25.40	25.40	14.63	150.1	154.6	33.2	6.0/4.8	48.36	425.0/96591	493.0	22.10
28BF-3	44.450	27.94	30.99	15.90	184.2	188.7	36.7	7.5/6.0	59.56	530.0/120454	609.5	29.64
32BF-3	50.800	29.21	30.99	17.81	183.2	188.2	42.0	7.0/6.0	58.55	670.0/152273	770.5	31.27



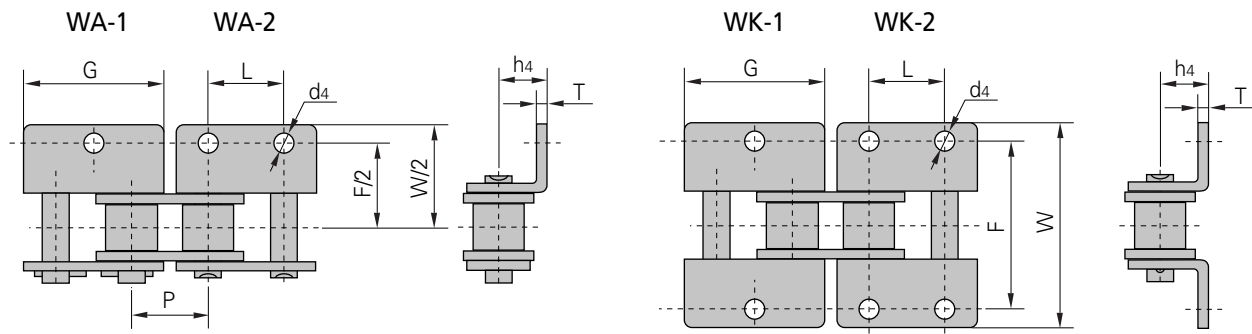
DIN/ISO Chain No.	ANSI Chain No.	P	G	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm
06C	35	9.525	7.9	19.00	28.6	1.30	6.35	3.4
08A	40	12.700	9.5	25.40	35.2	1.50	7.90	3.4
085	41	12.700	9.5	24.00	33.4	1.30	6.90	3.6
10A	50	15.875	12.7	31.75	46.2	2.03	10.30	5.5
12A	60	19.050	15.9	38.10	55.6	2.42	11.90	5.5
16A	80	25.400	19.1	50.80	64.8	3.25	15.90	6.8
20A	100	31.750	25.4	63.50	87.3	4.00	19.80	9.2
24A	120	38.100	28.6	76.20	108.5	4.80	23.00	9.8
28A	140	44.450	34.9	88.90	123.0	5.60	28.60	11.4
32A	160	50.800	38.1	101.60	142.8	6.40	31.75	13.1
40A	200	63.500	50.8	127.00	179.0	8.00	42.88	16.3
*06B		9.525	8.0	19.04	27.0	1.30	6.50	3.5
08B		12.700	9.5	25.40	36.4	1.60	8.90	4.5
10B		15.875	14.3	31.75	44.6	1.70	10.31	5.3
12B		19.050	16.0	38.10	52.4	1.85	13.46	6.4
16B		25.400	19.1	50.80	72.6	3.10	15.88	6.4
20B		31.750	35.0	63.50	100.5	3.50	19.80	9.0
24B		38.100	30.0	76.20	108.4	4.80	26.67	10.5
28B		44.450	35.0	88.90	123.0	6.00	28.58	13.1
32B		50.800	38.1	101.60	142.8	6.00	31.75	13.1

*Straight side plates

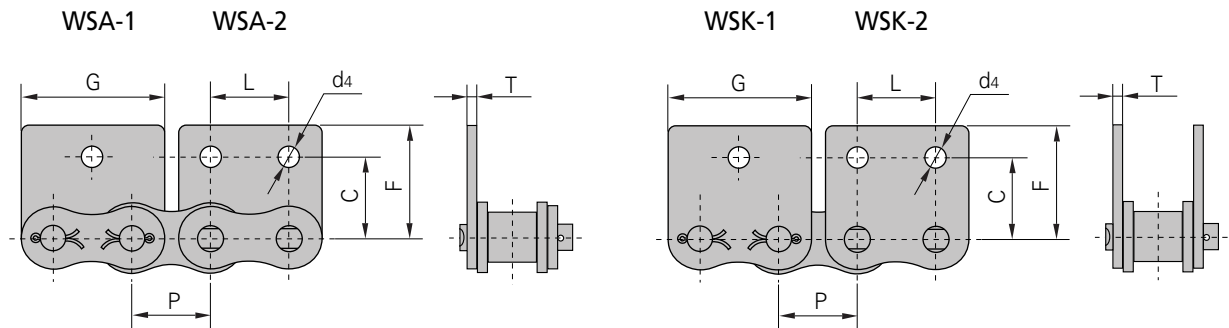
SA-1/M1 (one side)

SK-1/M1 (both sides)


DIN/ISO Chain No.	ANSI Chain No.	P	G	C	F	T	d4
		mm	mm	mm	mm	mm	mm
06C	35	9.525	7.9	9.50	14.55	1.30	3.4
08A	40	12.700	9.5	12.70	19.05	1.50	3.4
085	41	12.700	9.5	11.85	16.55	1.30	3.6
10A	50	15.875	12.7	15.90	25.25	2.03	5.5
12A	60	19.050	15.9	18.30	29.33	2.42	5.5
16A	80	25.400	19.1	24.60	34.70	3.25	6.8
20A	100	31.750	25.4	31.80	43.30	4.00	9.2
24A	120	38.100	28.6	36.50	51.60	4.80	9.8
28A	140	44.450	34.9	44.50	62.00	5.60	11.4
32A	160	50.800	38.1	50.80	69.85	6.40	13.1
40A	200	63.500	50.8	63.50	88.9	8.00	16.3
*06B		9.525	8.0	9.52	13.50	1.30	3.5
08B		12.700	9.5	13.35	18.90	1.60	4.3
10B		15.875	14.3	16.50	22.95	1.70	5.3
12B		19.050	16.0	21.45	28.60	1.85	6.4
16B		25.400	19.1	23.15	34.00	3.10	6.4
20B		31.750	35.0	30.50	45.70	3.50	9.0

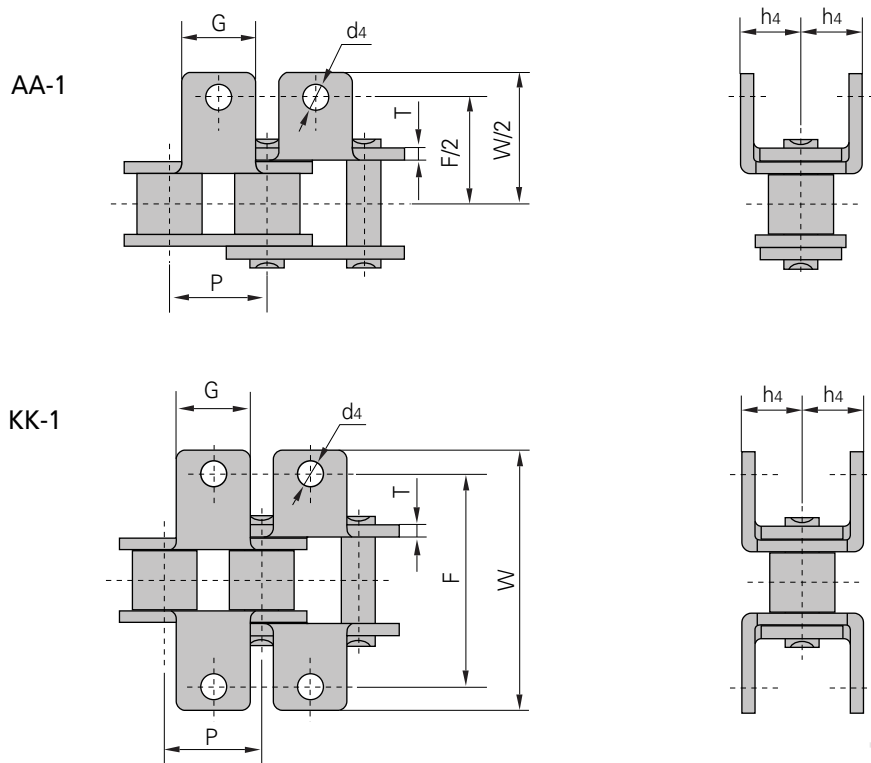
*Straight side plates



DIN/ISO Chain No.	ANSI Chain No.	P	G	L	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm	mm
06C	35	9.525	17.32	9.525	19.00	28.6	1.30	6.35	2.8
08A	40	12.700	23.00	12.700	25.40	35.6	1.50	7.90	3.4
085	41	12.700	22.30	12.700	24.00	35.0	1.30	7.20	4.85
10A	50	15.875	28.80	15.875	31.75	46.8	2.03	10.30	5.5
12A	60	19.050	34.65	19.050	38.10	56.4	2.42	11.90	5.5
16A	80	25.400	45.90	25.400	50.80	73.2	3.25	15.90	6.8
20A	100	31.750	57.65	31.750	63.50	89.8	4.00	19.80	9.2
24A	120	38.100	69.30	38.100	76.20	108.8	4.80	23.00	9.8
28A	140	44.450	80.45	44.450	88.90	123.0	5.60	28.60	11.4
32A	160	50.800	92.00	50.800	101.60	142.8	6.40	31.75	13.1
40A	200	63.500	115.5	63.500	127.00	179.0	8.00	42.88	16.3
08B		12.700	24.00	12.700	25.40	36.4	1.60	8.90	4.3
10B		15.875	29.58	15.875	31.80	44.6	1.70	10.31	5.3
12B		19.050	34.05	19.050	38.10	52.4	1.85	13.46	6.4
16B		25.400	46.40	25.400	50.80	72.6	3.10	15.88	6.4
20B		31.750	58.10	31.750	63.00	100.5	3.50	19.80	9.0
24B		38.100	71.30	38.100	76.20	108.4	4.80	26.67	10.5
28B		44.450	81.10	44.450	88.90	123.0	6.00	28.58	13.1
32B		50.800	92.80	50.800	101.60	142.8	6.00	31.75	13.1

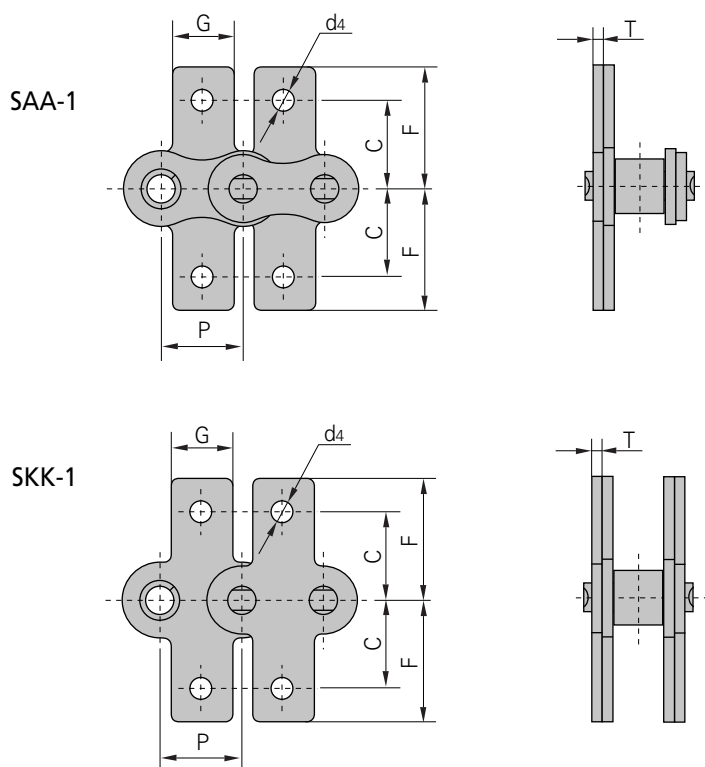


DIN/ISO Chain No.	ANSI Chain No.	P	G	L	C	F	T	d4
		mm	mm	mm	mm	mm	mm	mm
06C	35	9.525	17.32	9.525	9.50	14.55	1.30	2.8
08A	40	12.700	23.00	12.700	12.70	17.40	1.50	3.4
085	41	12.700	21.20	12.700	11.85	16.55	1.30	3.6
10A	50	15.875	28.80	15.875	15.90	23.05	2.03	5.5
12A	60	19.050	34.65	19.050	18.30	26.86	2.42	5.5
16A	80	25.400	45.90	25.400	24.60	35.45	3.25	6.8
20A	100	31.750	57.65	31.750	31.80	44.00	4.00	9.2
24A	120	38.100	69.30	38.100	36.50	51.60	4.80	9.8
28A	140	44.450	80.45	44.450	44.50	62.00	5.60	11.4
32A	160	50.800	92.00	50.800	50.80	69.85	6.40	13.1
40A	200	63.500	115.5	63.500	63.50	88.90	8.00	16.3
08B		12.700	23.30	12.700	13.35	18.90	1.60	4.3
10B		15.875	29.58	15.875	16.50	22.95	1.70	5.3
12B		19.050	34.05	19.050	21.45	28.60	1.85	6.4
16B		25.400	46.40	25.400	23.15	34.00	3.10	6.4
20B		31.750	58.10	31.750	30.50	45.70	3.50	9.0



DIN/ISO Chain No.	ANSI Chain No.	P	G	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm
08A	40	12.700	9.5	25.40	35.2	1.50	7.90	3.4
10A	50	15.875	12.7	31.75	46.2	2.03	10.30	5.5
12A	60	19.050	15.9	38.10	55.6	2.42	11.90	5.5
16A	80	25.400	19.1	50.80	64.8	3.25	15.90	6.8
20A	100	31.750	25.4	63.50	87.3	4.00	19.80	9.2
*06B		9.525	8.0	19.04	27.0	1.30	6.50	3.5
08B		12.700	9.5	25.40	36.4	1.60	8.90	4.5
10B		15.875	14.3	31.75	44.6	1.70	10.31	5.3
12B		19.050	16.0	38.10	52.4	1.85	13.46	6.4
16B		25.400	19.1	50.80	72.6	3.10	15.88	6.4
20B		31.750	35.0	63.50	100.5	3.50	19.80	9.0

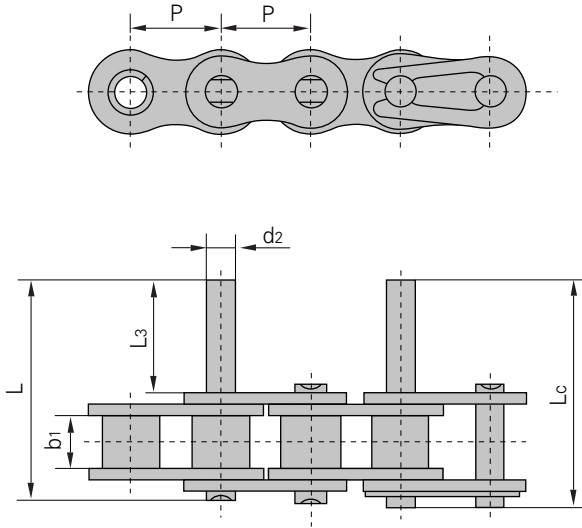
*Straight side plates



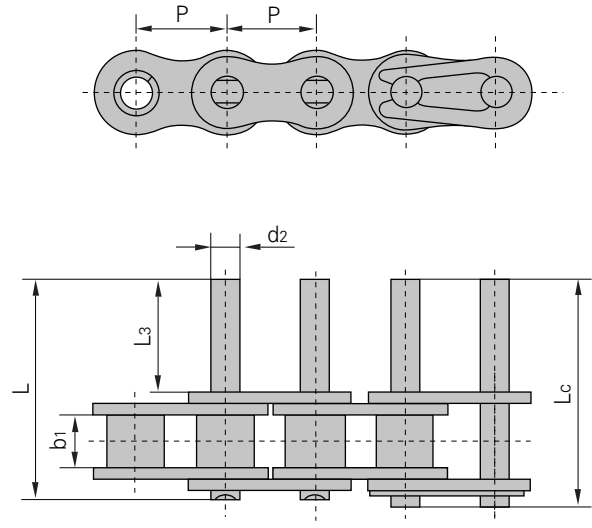
DIN/ISO Chain No.	ANSI Chain No.	P	G	C	F	T	d4
		mm	mm	mm	mm	mm	mm
08A	40	12.700	9.5	12.70	19.05	1.50	3.4
10A	50	15.875	12.7	15.90	25.25	2.03	5.5
12A	60	19.050	15.9	18.30	29.33	2.42	5.5
16A	80	25.400	19.1	24.60	34.70	3.25	6.8
20A	100	31.750	25.4	31.80	43.30	4.00	9.2
*06B		9.525	8.0	9.52	13.50	1.30	3.5
08B		12.700	9.5	13.35	18.90	1.60	4.3
10B		15.875	14.3	16.50	22.95	1.70	5.3
12B		19.050	16.0	21.45	28.60	1.85	6.4
16B		25.400	19.1	23.15	34.00	3.10	6.4
20B		31.750	35.0	30.50	45.70	3.50	9.0

*Straight side plates

D-1

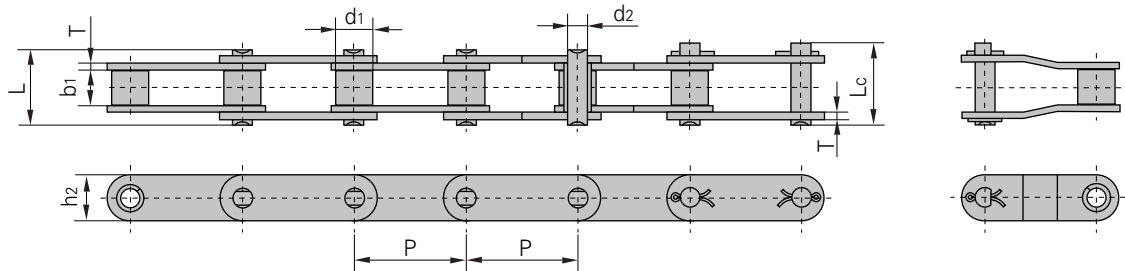


D-3

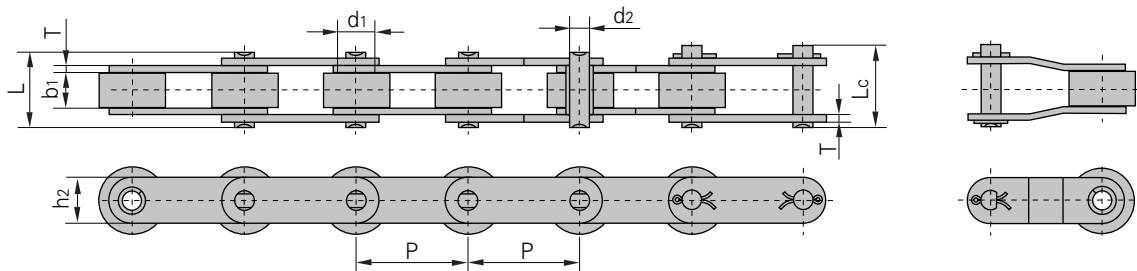


DIN/ISO Chain No.	ANSI Chain No.	P	b ₁	d ₂	L ₃	L	L _c
		mm	mm	mm	mm	mm	mm
06C	35	9.525	4.77	3.58	9.5	20.8	21.6
08A	40	12.700	7.85	3.96	9.5	25.1	26.2
10A	50	15.875	9.40	5.08	11.9	31.3	33.1
12A	60	19.050	12.57	5.94	14.3	38.6	40.6
16A	80	25.400	15.75	7.92	19.1	50.3	53.3
20A	100	31.750	18.90	9.53	23.8	61.8	66.1
24A	120	38.100	25.22	11.10	28.6	76.4	80.4
28A	140	44.450	25.22	12.70	33.3	84.8	89.4
32A	160	50.800	31.55	14.27	38.1	99.6	104.4
08B		12.700	7.75	4.45	9.5	25.1	26.6
10B		15.875	9.65	5.08	11.9	30.1	31.5
12B		19.050	11.68	5.72	14.3	35.4	37.1
16B		25.400	17.02	8.28	19.1	53.0	54.3

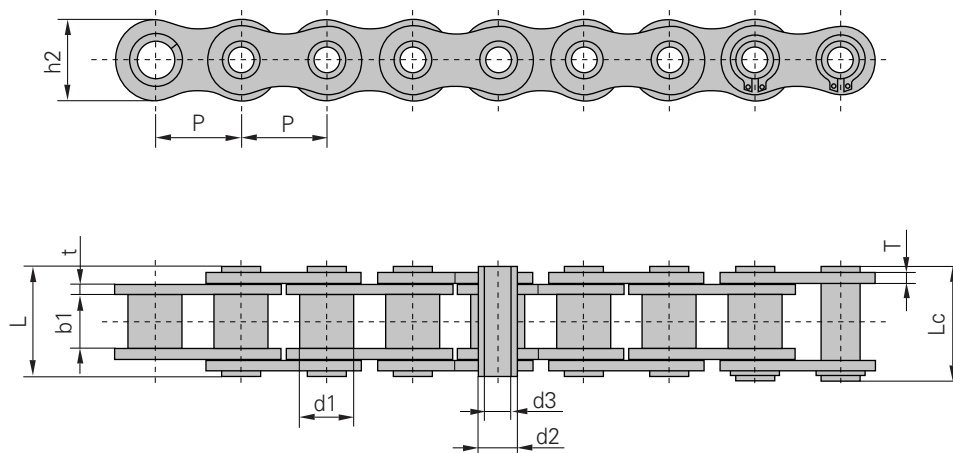
Small Roller Type



Large Roller Type

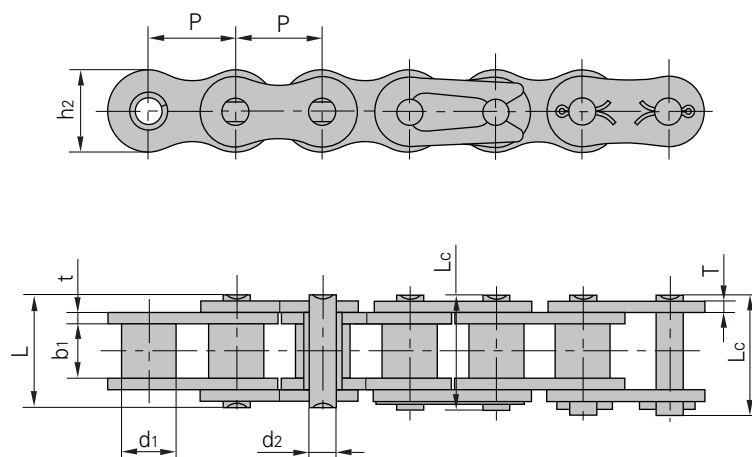


DIN/ISO Chain No.	ANSI Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
		p	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Q min	Q0	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
C208A C208AL	C2040 C2042	25.40	7.95 15.88	7.85	3.96	16.6	17.8	12.0	1.50	14.1/3205	16.7	0.50 0.84
C208AH	C2040H	25.40	7.95	7.85	3.96	18.8	19.9	12.0	2.03	14.1/3205	17.2	0.65
C208B C208BL		25.40	8.51 15.88	7.75	4.45	16.7	18.2	11.8	1.60	18.0/4091	19.4	0.55 0.89
C210A C210AL	C2050 C2052	31.75	10.16 19.05	9.40	5.08	20.7	22.2	15.0	2.03	22.2/5045	28.1	0.78 1.27
C212A C212AL	C2060 C2062	38.10	11.91 22.23	12.57	5.94	25.9	27.7	18.0	2.42	31.8/7227	36.8	1.12 1.61
C212AH C212AHL	C2060H C2062H	38.10	11.91 22.23	12.57	5.94	29.2	31.6	18.0	3.25	31.8/7227	41.6	1.44 2.07
C216A C216AL	C2080 C2082	50.80	15.88 28.58	15.75	7.92	32.7	36.5	24.0	3.25	56.7/12886	65.7	2.08 3.12
C216AH C216AHL	C2080H C2082H	50.80	15.88 28.58	15.75	7.92	36.2	39.4	24.0	4.00	56.7/12886	70.0	2.54 3.58
C220A C220AL	C2100 C2102	63.50	19.05 39.67	18.90	9.53	40.4	44.7	30.0	4.00	88.5/20114	102.6	3.01 4.83
C220AH C220AHL	C2100H C2102H	63.50	19.05 39.67	18.90	9.53	43.6	46.9	30.0	4.80	88.5/20114	112.4	3.56 5.38
C224A C224AL	C2120 C2122	76.20	22.23 44.45	25.22	11.10	50.3	54.3	35.7	4.80	127.0/28864	147.3	4.66 7.66
C224AH C224AHL	C2120H C2122H	76.20	22.23 44.45	25.22	11.10	53.5	57.5	35.7	5.60	127.0/28864	160.9	5.26 8.26
C232A C232AL	C2160 C2162	101.60	28.58 57.15	31.75	14.27	64.8	69.6	47.8	6.40	226.8/51545	278.9	8.15 13.00
C232AH C232AHL	C2160H C2162H	101.60	28.58 57.15	31.75	14.27	68.2	73.0	47.8	7.20	226.8/51545	285.8	9.06 12.77



Chain No.	Pitch	Bush Diameter	Width Between Inner Plates	Pin Diameter		Pin Length		Inner Plate Depth	Plate Thickness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T max	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
08BHPF	12.700	8.51	7.75	6.55	4.50	16.4	17.6	11.80	1.6/1.3	11.1/2523	12.1	0.56
08BHPF5	12.700	8.51	7.75	6.30	4.50	16.8	18.0	12.00	1.60	9.6/2182	10.6	0.62
10BHPF3	15.875	10.16	9.65	7.02	5.13	19.5	20.5	14.70	1.70	10.0/2272	11.5	0.86
10BHPF4	15.875	10.16	9.50	7.20	5.00	19.8	21.3	14.00	2.03/1.6	12.5/2840	14.0	0.82
12BHPF2	19.050	12.07	11.68	8.09	6.00	22.7	23.9	16.10	1.85	14.0/3180	16.0	0.82
12BHPF3	19.050	12.07	11.70	8.22	5.75	23.6	24.9	16.20	2.42/1.85	16.0/3636	18.0	1.14
40HP	12.700	7.95	7.85	5.63	4.00	16.5	17.6	12.00	1.50	11.0/2500	12.2	0.54
50HP	15.875	10.16	9.40	7.03	5.13	20.7	21.9	15.09	2.03	20.0/4545	22.6	0.91
60HP	19.050	11.91	12.70	8.31	6.00	25.8	26.8	18.00	2.42	24.0/5455	26.9	1.29
60HPF1	19.050	11.91	12.70	8.31	5.01	25.5	26.8	18.00	2.42	28.0/6364	30.9	1.37
80HP	25.400	15.88	15.75	11.40	8.05	32.5	33.8	24.00	3.25	50.0/11364	52.0	2.26
80HPF2	25.400	15.88	15.75	11.40	8.40	32.5	33.8	24.00	3.25	45.0/10227	48.0	2.23

Stainless steel chains are suitable for corrosive conditions involving food, chemicals pharmaceuticals, etc.
Also suitable for high and low temperature conditions

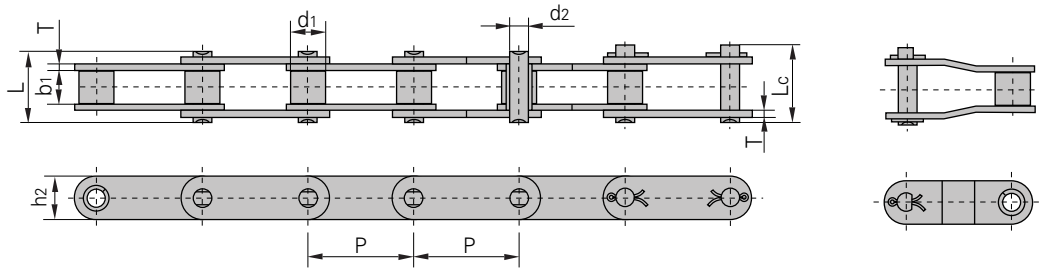


Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Breaking Load	Weight Per Meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Q	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
*25SS	6.350	3.30	3.18	2.31	7.9	8.4	6.00	0.8	2.5/568	0.15
*35SS	9.525	5.08	4.77	3.58	12.4	13.17	9.00	1.30	5.5/1250	0.33
40SS	12.700	7.95	7.85	3.96	16.6	17.8	2.00	1.50#	9.6/2182	0.63
41SS	12.700	7.77	6.25	3.58	13.75	15.0	9.91	1.30	6.0/1360	0.46
50SS	15.875	10.16	9.40	5.08	20.7	22.2	15.09	2.03	15.2/3455	1.03
60SS	19.050	11.91	12.57	5.94	25.9	27.7	18.00	2.42	21.7/4932	1.51
80SS	25.400	15.88	15.75	7.92	32.7	35.0	24.00	3.25	38.9/8841	2.62
100SS	31.750	19.05	18.90	9.53	40.4	44.7	30.00	4.00	60.0/13636	3.94
120SS	38.100	22.23	25.22	11.10	50.3	54.3	35.70	4.80	72.5/16477	5.72
140SS	44.450	25.40	25.22	12.70	54.4	59.0	41.0	5.60	94.0/21363	7.70
04BSS	6.000	4.00	2.80	1.85	6.80	7.8	5.00	0.60	2.0/455	0.11
05BSS	8.000	5.00	3.00	2.31	8.20	8.9	7.10	0.80	3.5/795	0.20
#06BSS	9.525	6.35	5.72	3.28	13.15	14.1	8.20	1.30#	6.2/1409	0.41
08BSS	12.700	8.51	7.75	4.45	16.7	18.2	11.80	1.60	12.0/2727	0.70
10BSS	15.875	10.16	9.65	5.08	19.5	20.9	14.70	1.70	14.5/3295	0.94
12BSS	19.050	12.07	11.68	5.72	22.5	24.2	16.00	1.85	18.5/4205	1.16
16BSS	25.400	15.88	17.02	8.28	36.1	37.4	21.00	4.15/3.1	40.0/9091	2.73
20BSS	31.750	19.05	19.56	10.19	41.3	45.0	26.40	4.5/3.5	59.0/13409	3.73
24BSS	38.100	25.40	25.40	14.63	53.4	57.8	33.20	6.0/4.8	104.0/25454	7.20
32BSS	50.800	29.21	30.99	17.81	66.0	71.0	42.00	7.0/6.0	150.0/34090	10.22

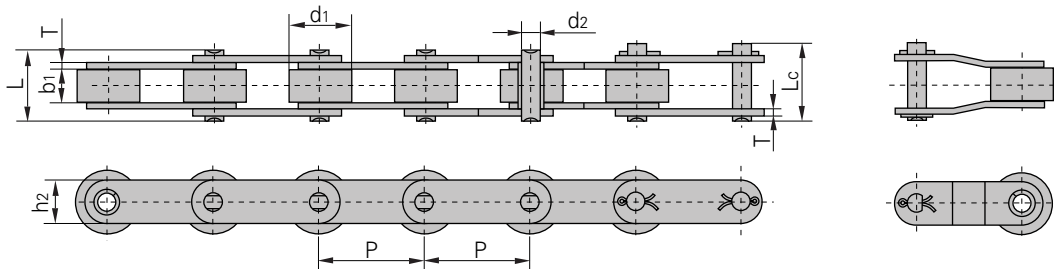
*Bushing chain: d1 in the table indicate the external diameter of the bushing.

Straight side plates.

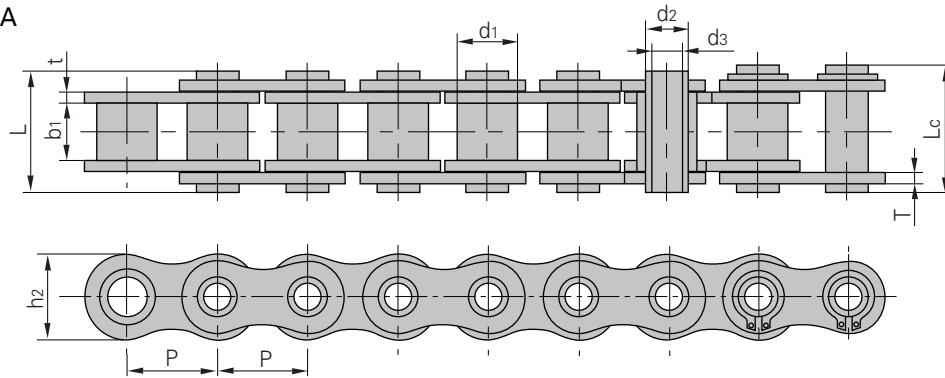
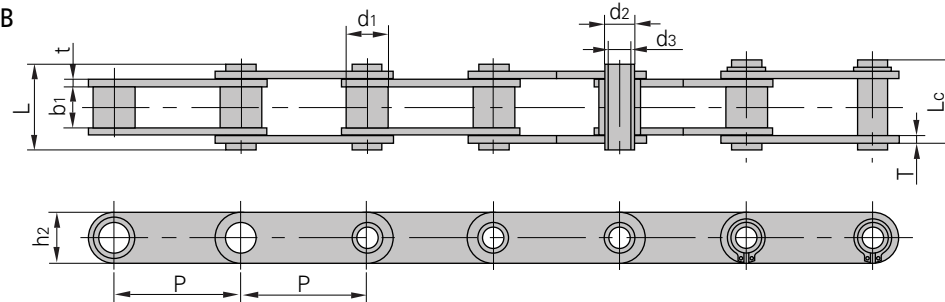
Small Roller Type



Large Roller Type

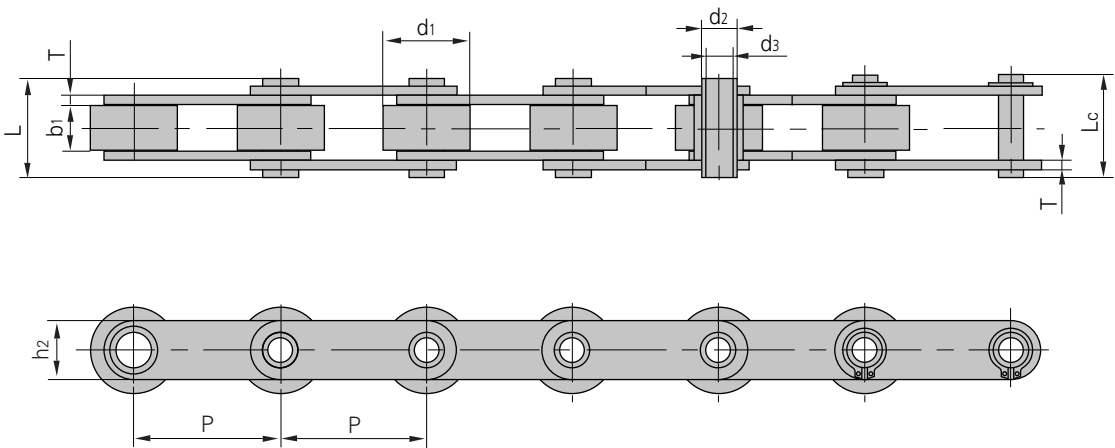


Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Breaking Load	Weight Per Meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
C2040SS C2042SS	25.40	7.95 15.88	7.85	3.96	16.6	17.8	12.0	1.50	9.6/2182	0.51 0.85
C2040HSS	25.40	7.95	7.85	3.96	18.8	19.9	12.0	2.03	9.6/2182	0.66
C208BSS C208BLSS	25.40	8.51 15.88	7.75	4.45	16.7	18.2	11.8	1.60	12.0/2727	0.56 0.90
C2050SS C2052SS	31.75	10.16 19.05	9.40	5.08	20.7	22.2	15.0	2.03	15.2/3455	0.79 1.29
C2060SS C2062SS	38.10	11.91 22.23	12.57	5.94	25.9	27.7	18.0	2.42	21.7/4932	1.13 1.63
C2060HSS C2062HSS	38.10	11.91 22.23	12.57	5.94	29.2	31.6	18.0	3.25	21.7/4932	1.46 2.10
C2080SS C2082SS	50.80	15.88 28.58	15.75	7.92	32.7	36.5	24.0	3.25	38.9/8841	2.11 3.16
C2080HSS C2082HSS	50.80	15.88 28.58	15.75	7.92	36.2	39.4	24.0	4.00	38.9/8841	2.57 3.63
C2100SS C2102SS	63.50	19.05 39.67	18.90	9.53	40.4	44.7	30.0	4.00	60.0/13636	3.05 4.89
C2100HSS C2102HSS	63.50	19.05 39.67	18.90	9.53	43.6	46.9	30.0	4.80	60.0/13636	3.61 5.45

Type A

Type B


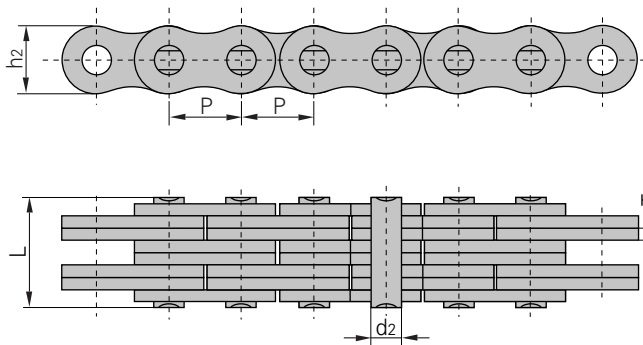
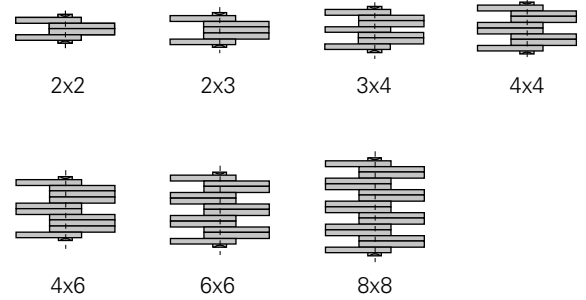
Chain No.	Pitch	Bush Diameter	Width Between Inner Plates	Pin Diameter		Pin Length		Inner Plate Depth	Plate Thickness	Breaking Load	Weight Per Meter	Type
	p	d1 max	b1 min	d2 max	d3 max	L max	Lc max	h2 max	t/T max	Q min	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m	
08BHPFSS	12.700	8.51	7.75	6.55	4.50	16.4	17.6	11.80	1.6/1.3	7.8/1773	0.57	A
40HPSS	12.700	7.95	7.85	5.63	4.00	16.5	17.6	12.00	1.50	7.7/1750	0.55	A
50HPSS	15.875	10.16	9.40	7.03	5.13	20.7	21.9	15.09	2.03	14.0/3182	0.92	A
60HPSS	19.050	11.91	12.70	8.31	6.00	25.8	26.8	18.00	2.42	16.8/3818	1.31	A
*12BHPSS	19.050	12.07	11.68	6.50	4.00	21.6	22.8	15.90	1.85	16.5/3750	1.10	A
80HPSS	25.400	15.88	15.75	11.40	8.05	32.5	33.8	24.00	3.25	35.0/7955	2.29	A
C2040HPSS	25.400	7.95	7.85	5.63	4.00	16.5	17.6	12.00	1.50	7.7/1750	0.47	B
C2050HPSS	31.750	10.16	9.40	7.22	5.12	20.5	21.8	15.00	2.03	14.3/3250	0.77	B
C2060HPSS	38.100	11.91	12.70	8.31	6.00	25.8	26.8	17.00	2.42	16.8/3818	1.03	B
C2080HPSS	50.800	15.88	15.75	11.40	8.05	32.5	33.8	24.00	3.25	35.0/7955	1.83	B
*HB50.8SS	50.800	30.00	10.50	11.40	8.20	27.4	28.6	26.00	3.10	35.0/7955	2.60	

*Roller chain: d1 in the table indicate the external diameter of the roller



Stainless Steel Chains

Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter		Pin Length		Inner Plate Depth	Plate Thickness	Breaking Load	Weight Per Meter
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	T max	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
C2042HPSS	25.40	15.88	7.85	5.63	4.00	16.5	17.6	12.0	1.50	7.7/1750	0.79
C2052HPSS	31.75	19.05	9.53	7.22	5.12	20.5	21.8	15.0	2.03	14.3/3250	1.27
C2062HPSS	38.10	22.23	12.70	8.31	6.00	25.8	26.8	17.0	2.42	16.8/3818	1.74
C2082HPSS	50.80	28.58	15.75	11.40	8.05	32.4	33.8	24.0	3.25	35.0/7955	2.86
C2042H-HPSS	25.40	15.88	7.85	5.63	4.00	18.8	19.9	12.0	2.03	7.7/1750	0.96
C2052H-HPSS	31.75	19.05	9.53	7.22	5.12	22.1	23.4	15.0	2.42	14.3/3250	1.46
C2062H-HPSS	38.10	22.23	12.70	8.31	6.00	29.2	30.2	17.0	3.25	16.8/3818	2.02
C2082H-HPSS	50.80	28.58	15.75	11.40	8.05	36.2	37.6	24.0	4.00	35.0/7955	3.30


Plate Lacing


ANSI Chain No.	Pitch	Plate Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P		h2 max	T max	d2 max	L max	Q min	Q0	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
BL422	12.7	2x2	12.07	2.08	5.09	11.05	22.2/5045	27.6	0.64
BL423		2x3				13.16	22.2/5045	27.6	0.80
BL434		3x4				17.40	33.4/7591	41.4	1.12
BL444		4x4				19.51	44.5/10114	56.0	1.28
BL446		4x6				23.75	44.5/10114	56.0	1.60
BL466		6x6				27.99	66.7/15159	81.7	1.92
BL488		8x8				36.45	89.0/20227	109.4	2.56
BL522	15.875	2x2	15.09	2.44	5.96	12.90	33.4/7591	43.1	0.88
BL523		2x3				15.37	33.4/7591	43.1	1.10
BL534		3x4				20.32	48.9/11114	65.6	1.50
BL544		4x4				22.78	66.7/15159	84.5	1.80
BL546		4x6				27.74	66.7/15159	84.5	2.20
BL566		6x6				32.69	100.1/22750	125.1	2.65
BL588		8x8				42.57	133.4/30318	169.5	3.50
BL622	19.05	2x2	18.11	3.30	7.94	17.37	48.9/11114	63.6	1.45
BL623		2x3				20.73	48.9/11114	63.6	1.80
BL634		3x4				27.43	75.6/17181	102.8	2.50
BL644		4x4				30.78	97.9/22250	120.9	2.90
BL646		4x6				37.49	97.9/22250	120.9	3.60
BL666		6x6				44.20	146.8/33364	190.8	4.30
BL688		8x8				57.61	195.7/44477	238.8	5.80
BL822	25.4	2x2	24.13	4.09	9.54	21.34	84.5/19204	108.2	2.20
BL823		2x3				25.48	84.5/19204	108.2	2.70
BL834		3x4				33.76	129.0/29318	170.0	3.80
BL844		4x4				37.90	169.0/38409	214.6	4.30
BL846		4x6				46.18	169.0/38409	214.6	5.40
BL866		6x6				54.46	253.6/57636	324.5	6.50
BL888		8x8				71.02	338.1/76841	432.7	8.60

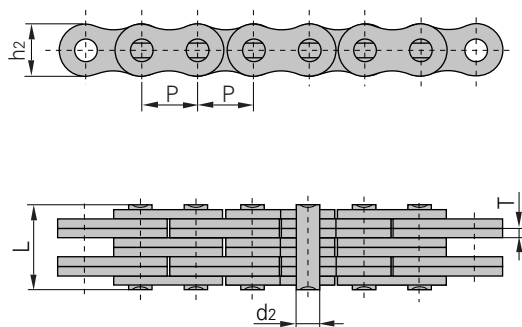
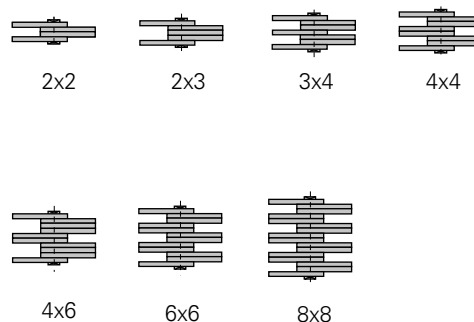
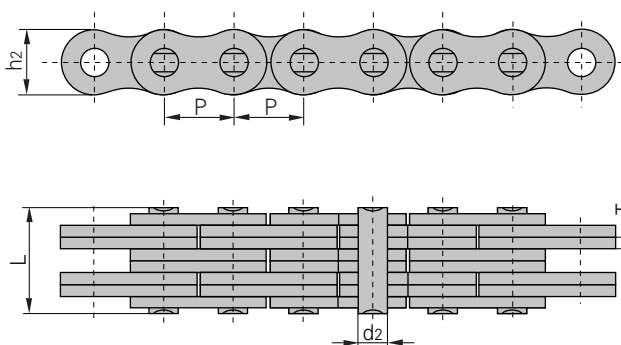
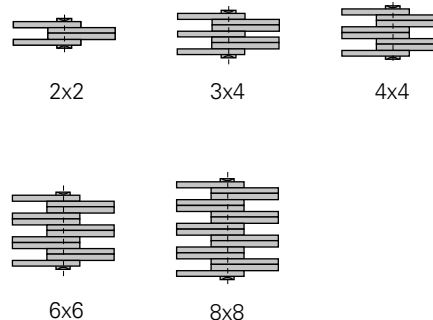


Plate Lacing

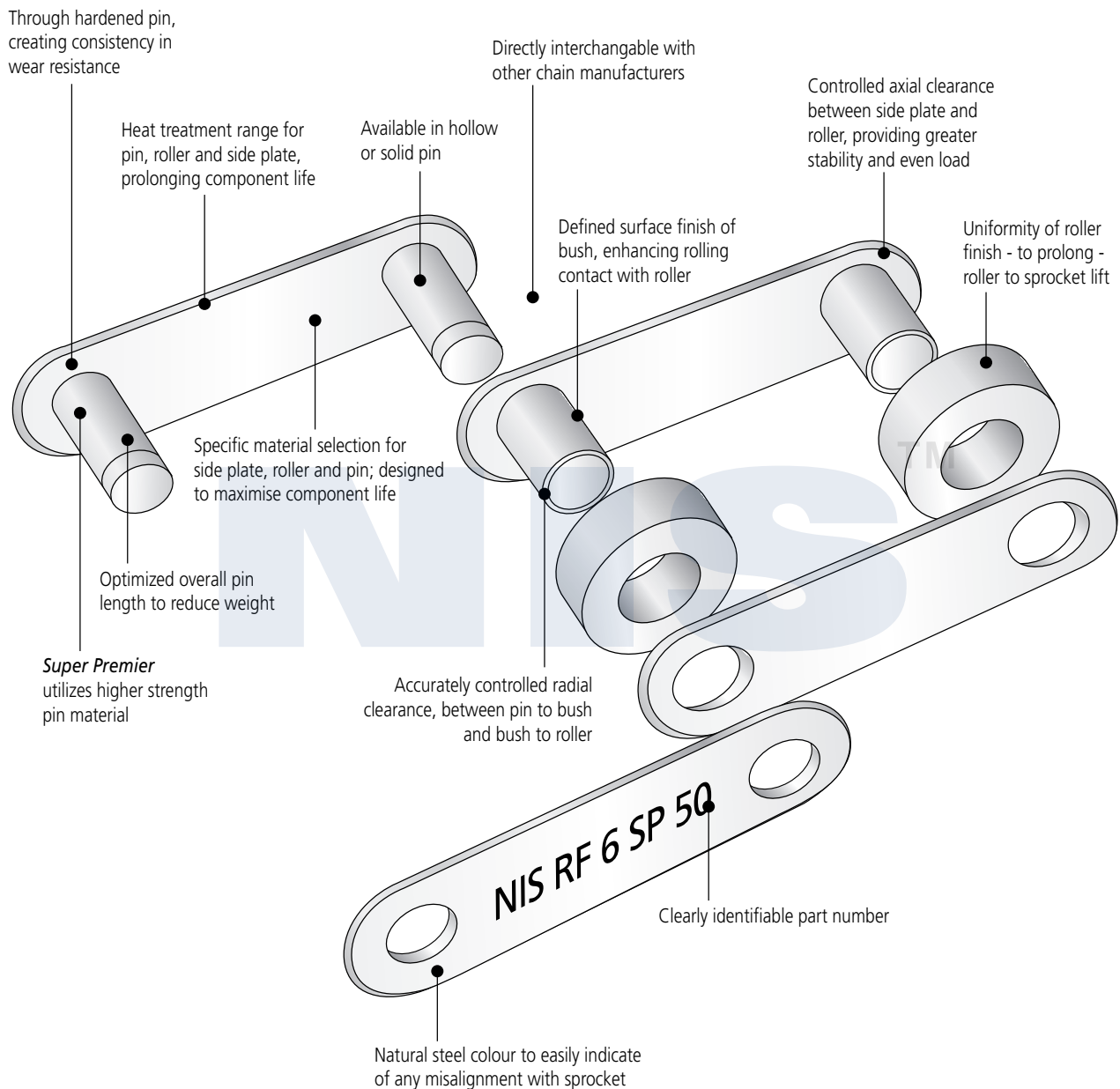


ANSI Chain No.	Pitch	Plate Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P		h2 max	T max	d2 max	L max	Q min	Q0	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
BL1022	31.75	2x2	30.18	4.9	11.11	25.37	115.6/26272	150.8	3.40
BL1023		2x3				30.33	115.6/26272	150.8	4.30
BL1034		3x4				40.23	182.4/41454	231.6	6.00
BL1044		4x4				45.19	231.3/52568	291.4	6.90
BL1046		4x6				55.09	231.3/52568	291.4	8.60
BL1066		6x6				65.00	347.0/78863	430.3	10.30
BL1088		8x8				84.81	462.6/105136	555.1	13.80
BL1222	38.1	2x2	36.20	5.77	12.71	29.62	151.2/34363	192.0	4.6
BL1223		2x3				35.43	151.2/34363	192.0	5.8
BL1234		3x4				47.07	244.6/55591	315.9	8.1
BL1244		4x4				52.88	302.5/68750	381.1	9.3
BL1246		4x6				64.52	302.5/68750	381.1	11.6
BL1266		6x6				76.15	453.7/103113	543.6	13.9
BL1288		8x8				99.42	605.0/137500	726.0	18.6
BL1422	44.45	2x2	42.24	6.55	14.29	33.55	191.3/43477	225.7	6.1
BL1423		2x3				40.16	191.3/43477	225.7	7.6
BL1434		3x4				53.37	315.8/71772	372.6	10.6
BL1444		4x4				59.97	382.6/86954	451.2	12.2
BL1446		4x6				73.18	382.6/86954	451.2	15.2
BL1466		6x6				86.39	578.3/131431	682.4	18.2
BL1488		8x8				112.8	765.1/173886	902.8	24.3
BL1622	50.8	2x2	48.26	7.52	17.46	39.01	289.1/65704	341.1	8.0
BL1623		2x3				46.58	289.1/65704	341.1	10.0
BL1634		3x4				61.72	440.4/100091	519.6	14.0
BL1644		4x4				69.29	573.8/131431	680.4	16.0
BL1646		4x6				84.43	578.3/131431	680.4	20.0
BL1666		6x6				99.57	857.4/194863	1000.7	24.0
BL1688		8x8				129.84	1156.5/262841	1364.6	32.0
BL2022	63.5	2x2	60.33	9.91	23.81	51.74	433.7/98568	511.7	15.8
BL2023		2x3				61.70	433.7/98568	511.7	19.8
BL2034		3x4				81.61	649.4/147590	766.2	27.7
BL2044		4x4				91.57	867.4/197163	1023.5	31.6
BL2046		4x6				111.48	867.4/197163	1023.5	39.5
BL2066		6x6				131.39	1301.1/295704	1535.2	47.4
BL2088		8x8				171.22	1734.8/354272	2046.5	63.2

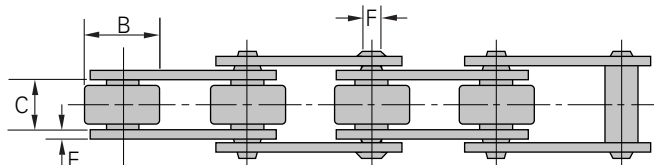
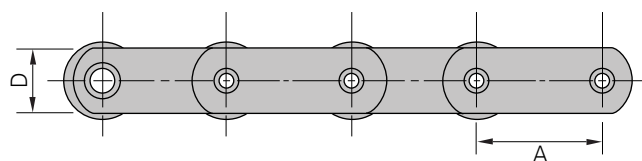

Plate Lacing


ANSI Chain No.	Pitch	Plate Lacing	Plate Depth	Plate Thickness	Pin Diameter	Pin Length	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P		h2 max	T max	d2 max	L max	Q min	Q0	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
AL322	9.525	2x2	7.7	1.3	3.58	6.8	9.0/2045	10.2	0.23
AL344		4x4				11.6	18.0/4090	20.0	0.46
AL422	12.7	2x2	10.4	1.5	3.96	8.3	14.1/3205	16.9	0.39
AL444		4x4				14.4	28.2/6409	35.2	0.74
AL466		6x6				20.5	42.3/9614	52.7	1.13
AL522	15.875	2x2	12.8	2.03	5.08	11.05	22.0/5000	27.5	0.64
AL534		3x4				17.0	33.0/7500	46.0	1.10
AL544		4x4				19.4	44.0/10000	55.0	1.25
AL566		6x6				27.5	66.0/15000	82.5	1.79
AL622	19.05	2x2	15.6	2.42	5.94	13.0	37.0/8409	44.4	0.86
AL644		4x4				22.7	63.7/14450	78.8	1.76
AL666		6x6				32.2	100.1/22750	118.6	2.60
AL688		8x8				42.2	133.4/30317	156.6	3.49
AL822	25.4	2x2	20.5	3.25	7.92	16.0	56.7/12886	68.6	1.54
AL844		4x4				29.4	113.4/25773	135.6	3.00
AL866		6x6				44.2	170.0/38636	202.3	4.46
AL1022	31.75	2x2	25.6	4.0	9.53	19.6	88.5/20114	107.1	2.37
AL1044		4x4				36.4	177.0/40227	203.6	4.68
AL1066		6x6				52.3	265.0/60227	315.3	7.20
AL1088		8x8				68.5	354.0/80454	421.2	9.94
AL1222	38.1	2x2	30.5	4.8	11.10	24.3	127.0/28864	151.1	3.65
AL1244		4x4				43.8	254.0/57727	299.7	7.05
AL1266		6x6				63.2	381.0/86591	426.3	10.50
AL1288		8x8				82.6	508.0/11545	568.4	14.03
AL1444	44.45	4x4	36.4	5.6	12.64	51.3	372.7/84705	413.6	10.34
AL1466		6x6				74.56	559.0/127045	620.4	15.16
AL1644	50.8	4x4	41.6	6.4	14.21	58.0	471.0/107045	522.8	12.98
AL1666		6x6				83.8	706.0/160454	783.6	19.76
AL1688		8x8				109.5	942.0/214090	1045.5	25.47

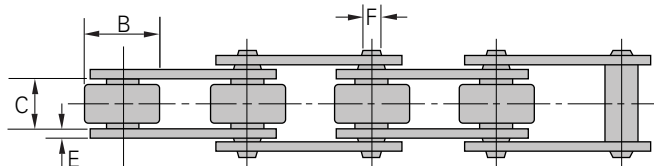
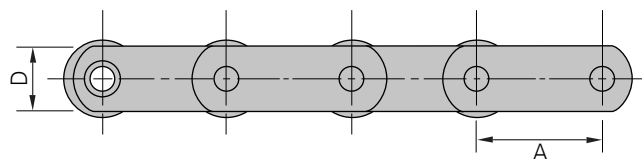
Enhancements That Put NIS™ Products Above The Rest...



Hollow Pins



Solid Pins



Premier Type

NIS Chain No.	Pitch		Breaking Load		Roller Diameter		Inside Width		Plate Depth		Plate Thickness		Pin Diameter	
	inch	mm	lbf	Newtons	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
	A	A			B	B	C	C	D	D	E	E	F	F
RF-4-SP-18-NIS	4.0	101.6	18,000	80,280	1.875	47.6	0.75	19.0	1.50	38.1	0.20	5.00	0.75	19.05
RF-4-SP-26-NIS	4.0	101.6	26,000	116,000	1.875	47.6	0.75	19.0	1.50	38.1	0.20	5.00	0.75	19.05
RF-6-SP-50-NIS	6.0	152.4	50,000	222,000	2.625	66.7	1.00	25.4	2.00	50.8	0.25	6.30	1.06	27.0
RF-4-HP-17-NIS	4.0	101.6	17,000	76,000	1.875	47.6	0.75	19.0	1.50	38.1	0.20	5.00	0.52	13.2
RF-6-HP-36-NIS	6.0	152.4	36,000	160,000	2.625	66.7	1.00	25.4	2.00	50.8	0.25	6.30	0.79	20.1

Super Premier Type

NIS Chain No.	Pitch		Breaking Load		Roller Diameter		Inside Width		Plate Depth		Plate Thickness		Pin Diameter	
	inch	mm	lbf	Newtons	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
	A	A			B	B	C	C	D	D	E	E	F	F
RF-T4-SP-25-NIS	4.0	101.6	25,000	113,363	1.87	47.6	0.84	21.4	1.25	31.8	0.19	4.80	0.45	11.32
RF-T4-SP-42-NIS	4.0	101.6	42,000	187,089	2.00	50.8	1.18	30.0	1.50	38.1	0.25	6.30	0.57	14.50
RF-T6-SP-42-NIS	6.0	152.4	42,000	187,089	2.00	50.8	1.18	30.0	1.50	38.1	0.25	6.30	0.57	14.50



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