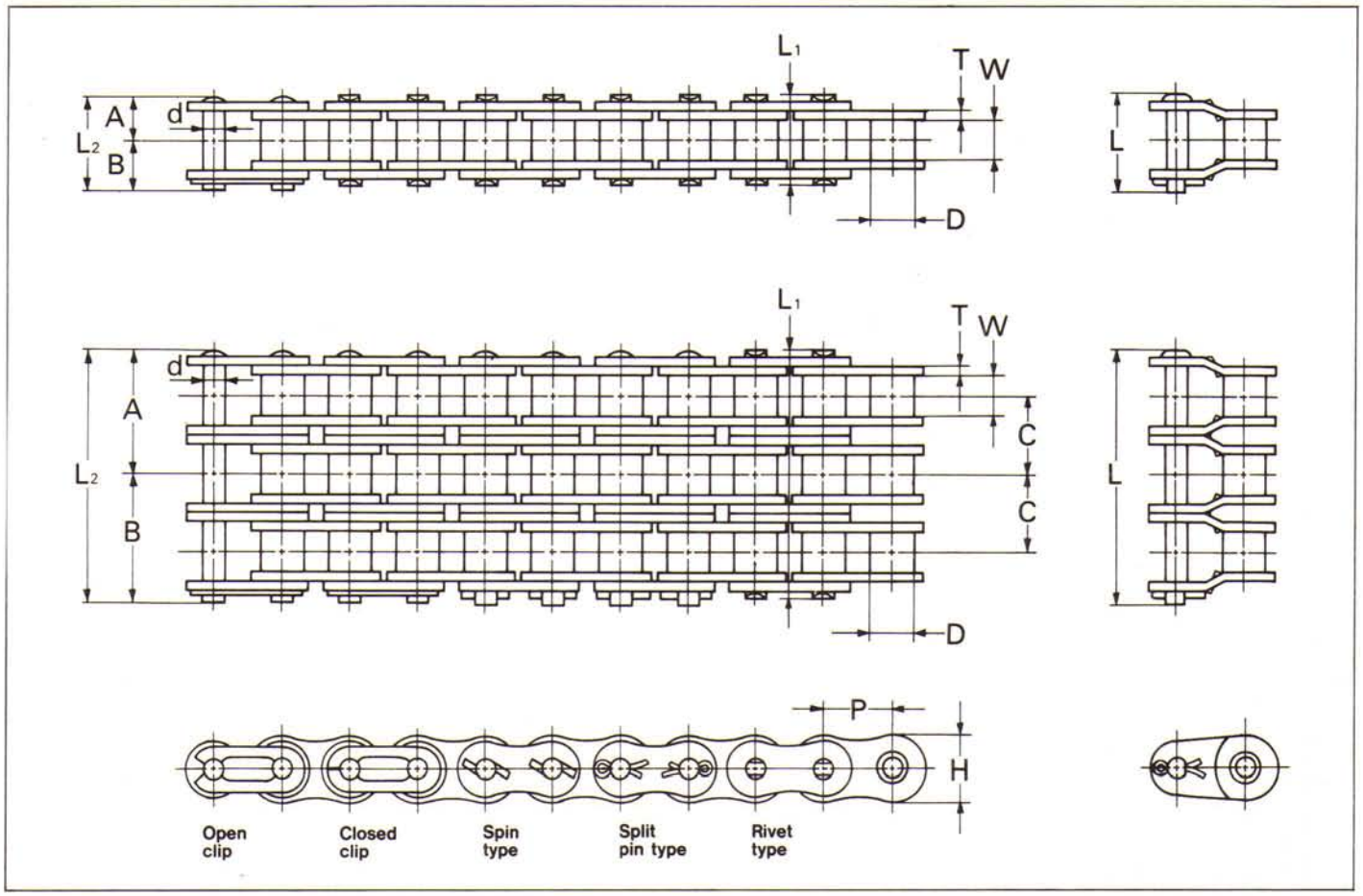
STANDARD ROLLER CHAINS

13 Types of STANDARD ROLLERS, comforming to JIS and ANSI, chain are available.



Dimensions (millimeters)

Chain No.		Pitch	Width between inner plates	Roller diameter	Pin						Link plate		JIS&ANSI Tensile strength	Average Tensile strengh	Maximum Allowable Load	Approx weight	Links of 1 unit
JIS&ANSI		P	W	D	Diameter d	A	B	(A+A) L_1	(A+B) L_2	Offset L	Thick-ness T	Height H	kgf (kN)	kgf (kN)	kgf (kN)	(kg/m)	
25	25	6.35	3.18	*3.30	2.31	3.80	4.80	7.60	8.60		0.75	5.8	357(3.5)	450(4.4)	65(0.64)	0.13	480
35	35	9.525	4.78	*5.08	3.59	5.70	7.10	11.40	12.80	13.65	1.25	8.8	806(7.9)	1,100(10.8)	220(2.16)	0.33	320
41	41	12.70	6.38	7.77	3.59	6.52	7.93	13.05	14.45	14.95	1.25	9.5	683(6.7)	1,200(11.8)	230(2.26)	0.40	240
40	40	12.70	7.95	7.95	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,407(13.8)	1,850(18.1)	370(3.63)	0.61	240
50	50	15.875	9.53	10.16	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	2,223(21.8)	3,050(29.9)	650(6.37)	1.01	192
60	60	19.05	12.70	11.91	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	3,172(31.1)	4,200(41.2)	900(8.83)	1.49	160
80	80	25.40	15.88	15.88	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	5,670(55.6)	7,400(72.6)	1,500(14.71)	2.50	120
100	100	31.75	19.05	19.05	9.54	20.10	23.05	40.20	43.15	45.05	4.0	28.9	8,841(86.7)	11,500(112.8)	2,300(22.56)	3.85	96
120	120	38.10	25.40	22.23	11.11	25.20	28.60	50.40	53.80	55.90	4.8	35.0	12,706(124.6)	16,000(156.9)	3,100(30.40)	5.66	80
140	140	44.45	25.40	25.40	12.71	27.30	31.30	54.60	58.60	60.50	5.6	40.7	17,233(169.0)	21,500(210.8)	4,100(40.21)	7.19	68
160	160	50.80	31.75	28.58	14.29	32.45	37.15	64.90	69.60	72.20	6.4	46.7	22,678(222.4)	27,500(269.7)	5,400(52.96)	9.63	60
200	200	63.50	38.10	39.68	19.86	39.65	46.65	79.30	86.30	89.20	8.0	58.4	35,384(347.0)	48,000(470.7)	7.300(71.59)	15.97	48
240	240	76.20	47.63	47.63	23.81	48.20	55.60	96.40	103.80	107.00	9.5	72.4	51,027(500.4)	70,000(686.5)	10,100(99.05)	24.50	40

NOTE: .25 offset link is 2-pitch type.
.Asterisk (*) implies bush diameter.
.Connecting links of 25 to 60 are clip type. (Both open and closed clips are available).
.Connecting links of 80 or larger models are split pin type.

STANDARD ROLLER CHAINS (MULTIPLE STRAND TYPE)

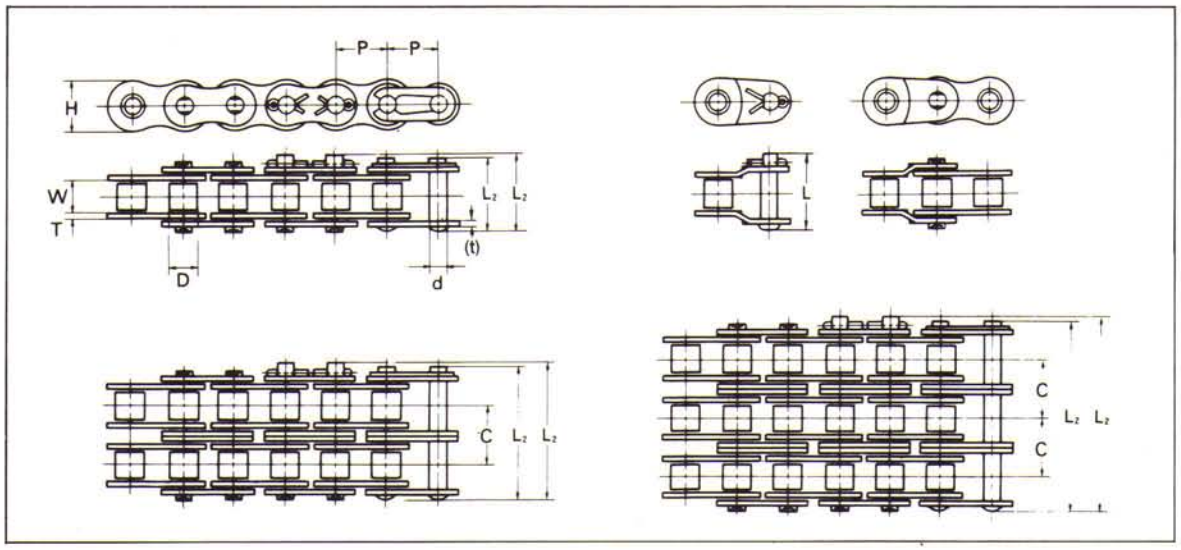
12 Types of multiple roller chain, conforming to JIS and ANSI, are available.

Dimensions (millimeters)

Chain No.		Pitch	Width between inner plates	Roller diameter	Pin						Link plate		Transverse pitch	JIS&ANSI Tensile strength kgf (kN)	Average Tensile strengh kgf (kN)	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
JIS&ANSI		P	W	D	Diameter d	A	B	(A+A) L_1	(A+B) L_2	Offset L	Thickness T	Height H	C					
25-2	25-2	6.35	3.18	*3.30	2.31	7.00	8.00	14.00	15.00		0.75	5.8	6.4	714(7.0)	900(8.8)	110(1.08)	0.26	480
25-3	25-3					10.20	11.20	20.40	21.40					1,071(10.5)	1,350(13.2)	160(1.57)	0.39	
35-2	35-2	9.525	4.78	*5.08	3.59	10.75	12.15	21.50	22.90	23.75	1.25	8.8	10.1	1,612(15.8)	2,200(21.6)	370(3.63)	0.64	320
35-3	35-3					15.80	17.20	31.60	33.00	33.85				2,418(23.7)	3,300(32.4)	550(5.39)	0.95	
40-2	40-2	12.70	7.95	7.95	3.97	15.22	16.73	30.45	31.95	33.35	1.5	11.7	14.4	2,814(27.6)	3,700(36.3)	630(6.17)	1.19	240
40-3	40-3					22.42	23.93	44.85	46.35	47.75				4,221(41.4)	5,550(54.4)	930(9.11)	1.79	
40-4	40-4					29.62	31.13	59.25	60.75	62.15				5,628(55.2)	7,400(72.6)	1,220(11.96)	2.38	
40-5	40-5					36.82	38.33	73.65	75.15	76.55				7,035(69.0)	9,250(90.7)	1,440(14.12)	2.96	
50-2	50-2	15.875	9.53	10.16	5.09	19.20	20.65	38.40	39.85	41.10	2.0	14.6	18.1	4,446(43.6)	6,100(59.8)	1,100(10.79)	2.01	192
50-3	50-3					28.25	29.70	56.50	57.95	59.20				6,669(65.4)	9,150(89.7)	1,620(15.89)	2.99	
50-4	50-4					37.30	38.75	74.60	76.05	77.30				8,892(87.2)	12,200(119.6)	2,150(21.08)	3.99	
50-5	50-5					46.35	47.80	92.70	94.15	95.40				11,115(109.0)	15,250(149.6)	2,530(24.81)	4.99	
60-2	60-2	19.05	12.70	11.91	5.96	24.05	25.55	48.10	49.60	52.25	2.4	17.5	22.8	6,344(62.2)	8,400(82.4)	1,530(15.00)	2.95	160
60-3	60-3					35.45	36.95	70.90	72.40	75.05				9,516(93.3)	12,600(123.5)	2,250(22,06)	4.41	
60-4	60-4					46.85	48.35	93.70	95.20	97.85				12,688(124.4)	16,800(164.6)	2,950(28.93)	5.83	
60-5	60-5					58.25	59.75	116.50	118.00	120.65				15,860(155.5)	21,000(205.8)	3,500(34.32)	7.32	
60-6	60-6					69.65	71.15	139.30	140.80	143.94				19,032(186.6)	25,200(247.0)	4,150(40.70)	8.78	
80-2	80-2	25.40	15.88	15.88	7.94	30.72	33.83	61.45	64.55	66.20	3.2	23.0	29.3	11,340(111.2)	14,800(145.0)	2,550(25.01)	4.96	120
80-3	80-3					45.37	48.48	90.75	93.85	95.50				17,010(166.8)	22,200(217.7)	3,750(36.77)	7.40	
80-4	80-4					60.02	63.13	120.05	123.15	124.80				22,680(222.4)	29.600(290.3)	4,950(48.54)	9.84	
80-5	80-5					74.67	77.78	149.35	152.45	154.10				28,350(278.0)	37,000(362.8)	5,850(57.37)	12.29	
80-6	80-6					89.32	92.43	178.65	181.75	183.40				34,020(333.6)	44,400(435.4)	7,350(72.08)	14.73	
100-2	100-2	31.75	19.05	19.05	9.54	38.00	40.95	76.00	78.95	80.85	4.0	28.9	35.8	17,682(173.4)	23,000(225.6)	3,900(38.25)	7.62	96
100-3	100-3					55.90	58.85	111.80	114.75	116.50				26,523(260.1)	34,500(338.3)	5,750(56.39)	11.38	
100-4	100-4					73.80	76.75	147.60	150.55	152.50				35,364(346.8)	46,000(451.1)	7,550(74.04)	15.15	
100-5	100-5					91.70	94.65	183.40	186.35	188.30				44,205(433.5)	57,500(563.9)	8,950(87.77)	18.91	
100-6	100-6					119.60	122.55	219.20	222.15	224.10				53,046(520.2)	69,000(676.7)	11,200(109.83)	22.68	
120-2	120-2	38.10	25.40	22.23	11.11	47.90	51.30	95.80	99.20	101.30	4.8	35.0	45.4	25,412(249.2)	32,000(313.8)	5,250(51.48)	11.21	80
120-3	120-3					70.60	74.00	141.20	144.60	146.70				38,118(373.8)	48,000(470.7)	7,750(76.00)	19.74	
120-4	120-4					93.30	96.70	186.60	190.00	192.10				50,824(498.4)	64,000(627.6)	10,200(100.03)	22.28	
120-5	120-5					116.00	119.40	232.00	235.40	237.50				63,530(623.0)	80,000(784.5)	12,050(118.17)	27.83	
120-6	120-6					138.70	142.10	277.40	280.80	282.90				76,236(747.6)	96,000(941.4)	15,150(148.57)	33.36	
140-2	140-2	44.45	25.40	25.40	12.71	51.75	55.75	103.50	107.50	109.40	5.6	40.7	48.9	34,466(338.0)	43,000(421.7)	6,750(66.19)	14.24	68
140-3	140-3					76.20	90.20	152.40	156.40	158.30				51,699(507.0)	64,500(632.5)	10,250(100.52)	21.30	
140-4	140-4					100.65	104.65	201.30	205.30	207.20				68,932(676.0)	86,000(843.4)	13,500(132.39)	28.33	
160-2	160-2	50.80	31.75	28.58	14.29	61.70	66.40	123.40	128.10	130.10	6.4	46.7	58.5	45,356(444.8)	55,000(539.4)	9,150(89.73)	19.06	60
160-3	160-3					90.95	96.65	181.90	186.60	188.60				68,034(667.2)	82,500(809.0)	13,500(132.39)	28.50	
160-4	160-4					120.20	124.90	240.40	245.10	247.10				90,712(889.6)	110,000(1078.7)	17,800(174.56)	37.93	
200-2	200-2	63.50	38.10	39.68	19.85	75.45	82.45	150.90	157.90	160.80	8.0	58.4	71.6	70,768(694.0)	96,000(941.4)	12,400(121.60)	31.59	48
200-3	200-3					111.25	118.25	222.50	229.50	232.40				106,152(1041.0)	144,000(1412.2)	18,250(178.97)	47.29	
200-4	200-4					147.05	154.05	294.10	301.10	304.00				141,536(1388.0)	192,000(1882.9)	24,050(235.85)	62.95	
240-2	240-2	76.20	47.63	47.63	23.81	92.10	99.50	184.10	191.60	194.80	9.5	72.4	87.8	102,054(1000.8)	140,000(1372.9)	17,150(168.18)	48.10	40
240-3	240-3					136.00	143.40	272.00	279.40	282.60				153,081(1501.2)	210,000(2059.4)	25,250(247.62)	71.61	
240-4	240-4					179.90	187.30	358.80	367.20	370.40				204,108(2001.6)	280,000(2745.9)	33,300(326.56)	95.11	

ISO-B SERIES ROLLER CHAINS

ISO–B Series roller chain, conforming to ISO 606–B, are available to Europe–built equipment.



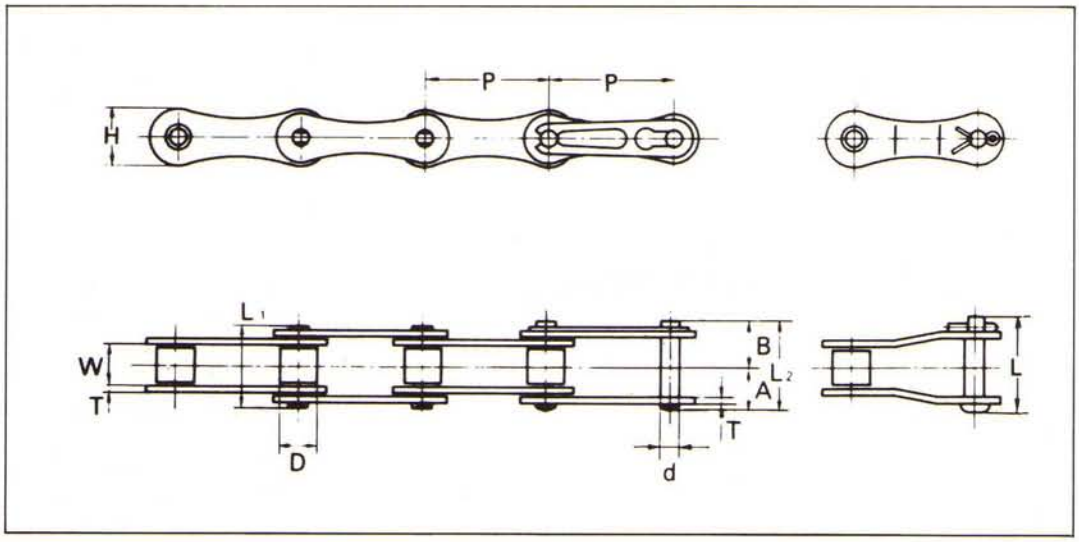
Dimensions (millimeters)

Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin			Link plate		Transverse pitch C	ISO "B" Minimum Tensile strength kgf (kN)	Maximum Tensile strength kgf (kN)	Approx weigth (kg/m)	Links of 1 unit
				Diameter d	L_2	Offset L	Thickness T	Height H					
03	5.00	2.50	3.20	1.49	7.65		0.72	4.0		200(2.0)	270(2.6)	0.09	1000
04	6.00	2.80	4.00	1.85	7.35		0.6	4.9		300(2.9)	330(3.2)	0.11	834
05B					8.60					460(4.5)	500(4.9)	0.18	
05B-2	8.00	3.00	5.00	2.31	14.25		0.72	7.1	5.64	800(7.8)	870(8.5)	0.31	626
05B-3					19.90					1,140(11.2)	1,240(12.2)	0.46	
06B					13.60	15.15				910(8.9)	1,000(9.8)	0.39	
06B-2	9.525	5.72	6.35	3.28	23.85	25.40	1.3 (1.0)	8.1	10.24	1,730(17.0)	1,900(18.6)	0.74	320
06B-3					34.09	35.65				2,540(24.9)	2,790(27.4)	1.10	
08B					17.75	19.20				1,820(17.8)	1,850(18.1)	0.65	
08B-2	12.70	7.75	8.51	4.45	31.65	33.10	1.5	11.7	13.92	3,180(31.2)	3,250(31.9)	1.25	240
08B-3					45.55	47.00				4,540(44.5)	4,600(45.1)	1.85	
10B					20.60	21.95				2,270(22.3)	2,500(24.5)	0.92	
10B-2	15.875	9.65	10.16	5.08	37.20	38.55	1.65	14.6	16.59	4,540(44.5)	5,000(49.0)	1.82	192
10B-3					53.80	55.15				6,810(66.8)	7,500(73.5)	2.71	
12B					23.60	26.30				2,950(28.9)	3,250(31.9)	1.24	
12B-2	19.05	11.68	12.07	5.72	43.05	45.75	1.8	16.0	19.46	5,900(57.9)	6,500(63.7)	2.44	160
12B-3					62.50	65.20				8,850(86.8)	9,750(95.6)	3.65	
16B					38.10	41.45				4,310(42.3)	6,500(63.7)	2.62	
16B-2	25.40	17.02	15.88	8.28	70.00	73.35	4.0 (3.2)	19.7	31.88	8,620(84.5)	12,350(121.1)	5.18	120
16B-3					101.90	105.25				12,930(126.8)	18,200(178.5)	7.74	
20B					43.95	47.25				6,580(64.5)	10,500(103.0)	3.81	
20B-2	31.75	19.05	19.05	10.19	80.40	83.70	4.5 (3.5)	26.0	36.45	13,160(129.1)	19,900(195.1)	7.52	96
20B-3					116.85	120.15				19,740(193.6)	29,300(278.3)	11.24	
24B					58.70	64.20				9,980(97.9)	18,700(183.4)	6.65	
24B-2	38.10	25.40	25.40	14.63	107.05	112.55	6.0 (5.0)	33.0	48.36	19,960(195.7)	35,650(349.6)	13.11	80
24B-3					155.40	160.90				29,940(293.6)	52.600(515.8)	19.57	

NOTE: Spring clip type connecting links are used to chains No. 03 to 12B; two pitch offset links are to be used for 03 to 05B.

DOUBLE-PITCH ROLLER CHAINS (FOR TRANSMISSION)

Double-Pitch roller chain, whose pitch is doubled compared to standard roller chain, employs parts of standard roller chain except for link plate. Therefore, the length are the same, but the number of parts is reduced to half, reducing weight and improving economy. This roller chain is best suited for relatively long power transmission at low speed.



Dimensions (millimeters)

Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin						Link plate		Average Tensile strengh kgf (kN)	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
				Diameter d	A	B	(A+A) L_1	(A+B) L_2	Offset L	Thick-ness T	Height H				
A2040	25.40	7.95	7.95	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,750(17.2)	280(2.75)	0.40	120
A2050	31.75	9.35	10.16	5.09	10.15	11.61	20.30	21.75	23.00	2.0	14.6	2,850(27.9)	450(4.41)	0.65	96
A2060	38.10	12.70	11.91	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	4,000(39.5)	640(6.28)	0.95	80
A2080	50.80	15.88	15.88	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	7,000(68.6)	1,090(10.69)	1.74	60

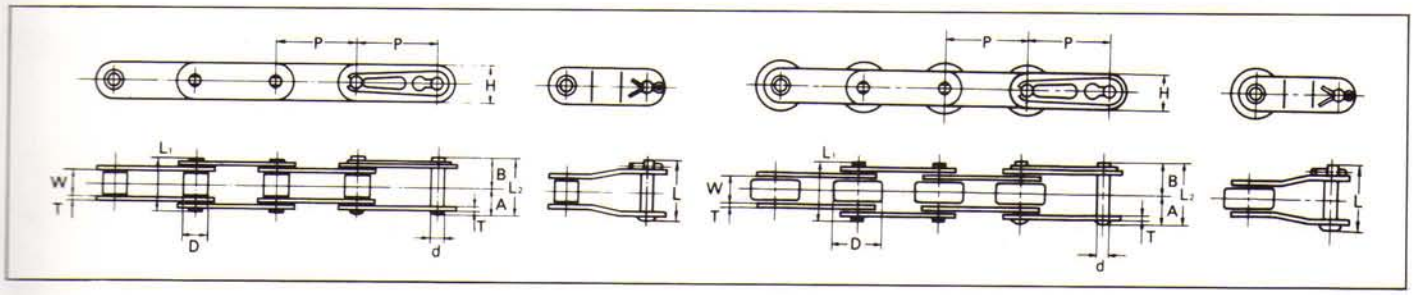
NOTE: Connecting links for the A2060 or larger models use split pins.

DOUBLE-PITCH ROLLER CHAINS (FOR CONVEYOR)

The double pitch roller chains for conveyor fall into two roller types: S type (Chain No. is suffixed with "O") and R type (Chain No. suffixed with "2"). Using a variety of standard attachments, the double pitch roller chain can be used as a compact, high-precision conveyor. Nikel plated models as well as stainless steel models are also available.

S Roller Type

R Roller Type



Dimensions (millimeters)

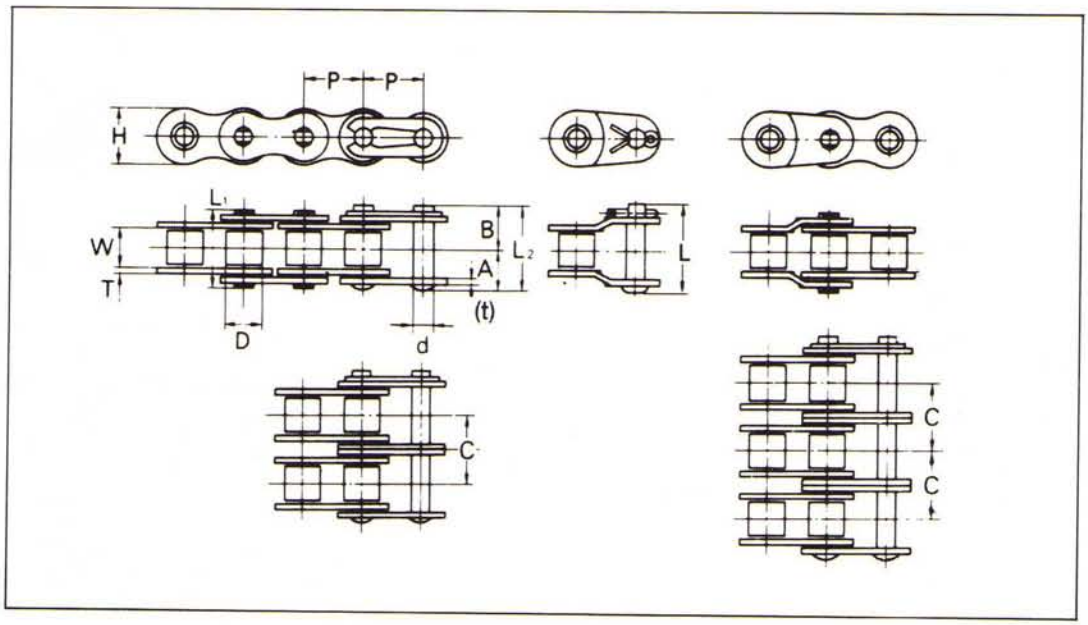
Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin Diameter d	Pin A	Pin B	Pin (A+A) L_1	Pin (A+B) L_2	Pin Offset L	Link plate Thickness T	Link plate Height H	Average Tensile strengh kgf (kN)	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
C2040	25.40	7.95	7.95	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,750(17.2)	280(2.75)	0.48	120
C2042			15.88											0.82	
C2050	31.75	9.53	10.16	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	2,850(27.9)	450(4.41)	0.79	96
C2052			19.05											1.25	
C2060	38.10	12.70	11.91	5.96	14.25	15.75	28.50	30.00	32.65	3.2	17.5	4,000(39.5)	640(6.28)	1.12	80
C2062			22.23											1.79	
C2060H	38.10	12.70	11.91	5.96	12.65	14.15	25.30	26.80	29.45	3.2	17.5	4,000(39.5)	640(6.28)	1.43	80
C2062H			22.23											2.11	
C2080	50.80	15.88	15.88	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	7,000(68.6)	1,090(10.69)	1.88	60
C2082			28.58											2.92	
C2080H	50.80	15.88	15.88	7.94	17.70	20.80	35.40	38.50	40.15	4.0	23.0	7,000(68.6)	1,090(10.69)	2.37	60
C2082H			28.58											3.41	
C2100H	63.50	19.05	19.05	9.54	21.72	24.68	43.45	46.40	47.60	4.8	28.9	10,900(106.9)	1,740(17.06)	3.53	48
C2102H			39.68											5.68	
C2120H	76.20	25.40	22.23	11.11	26.85	30.25	53.70	57.10	59.30	5.6	35.0	15,200(149.1)	2,440(23.93)	4.75	40
C2122H			44.45											7.40	

NOTE: Connecting link for the 80 or larger models use split pins

STAINLESS STEEL (SS) ROLLER CHAINS

All our stainless steel (SS) chains are made of SUS304 (18 Cr/8 Ni) austenite stainless steel for use in operating environment requiring high thermal resistance (–20°C to 400°C), corrosion resistance and cleanliness. They can also be fitted with attachments for conveying purpose.
The chains made of martensite and cementite stainless steel are available too.

NOTE: SUS304 stainless steel is almost non-magnetic, which is almost nil magnetic property equivalent to that of the air. Our stainless steel roller chains have slight magnetic property as a result of cold manufacturing.



Dimensions (millimeters)

Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin						Link plate		Transverse pitch C	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
				Diameter d	A	B	(A+A) L_1	(A+B) L_2	Offset L	Thickness T	Height H				
25 SS	6.35	3.18	*3.30	2.31	3.82	4.83	7.65	8.65	——	0.75	5.8	6.4	12(0.12)	0.14	480
25-2 SS					7.03	8.02	14.05	15.05	——				21(0.21)	0.26	
35 SS	9.525	4.78	*5.08	3.59	5.77	7.28	11.55	13.05	13.85	1.25	8.8	10.1	27(0.26)	0.33	320
35-2 SS					10.82	12.33	21.65	23.15	23.95				46(0.45)	1.65	
40 SS	12.70	7.95	7.95	3.97	8.07	9.48	16.15	17.55	19.05	1.5	11.7	14.4	45(0.44)	0.63	240
40-2 SS					15.27	16.68	30.55	31.95	33.45				77(0.76)	1.19	
50 SS	15.875	9.53	10.16	5.09	10.17	11.63	20.35	21.80	23.05	2.0	14.6	18.1	70(0.69)	1.04	192
50-2 SS					17.22	20.68	38.45	39.90	41.15				119(1.17)	2.01	
60 SS	19.05	12.70	11.91	5.96	12.7	14.2	25.40	26.90	29.55	2.4	17.5	22.8	105(1.03)	1.50	160
60-2 SS					24.10	25.60	48.20	49.70	52.35				179(1.76)	2.95	
80 SS	25.40	15.88	15.88	7.94	16.15	19.25	32.30	35.40	37.10	3.2	23.0	29.3	180(1.77)	2.62	120
80-2 SS					30.80	33.90	61.60	64.70	66.40				306(3.00)	5.12	

NOTES:
- Figure marked with * imply bush diameter.
- For the 25SS, only two-pitch offset links are available.
- For dimensions of the attachments, refer to page 29.
- Links of the 80SS use split pins.