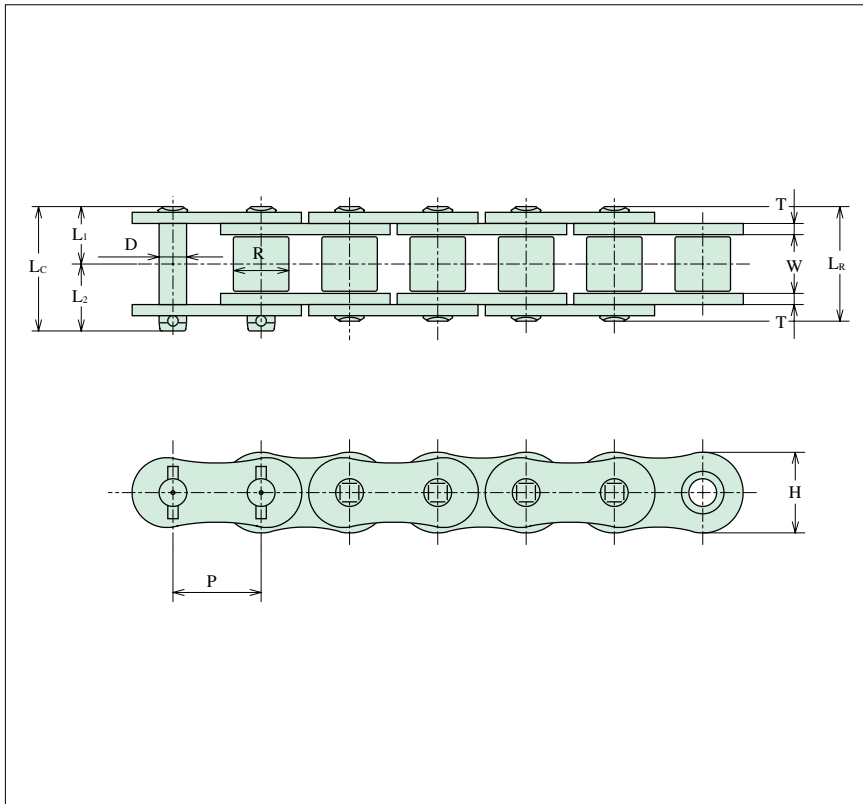


Super Roller Chains



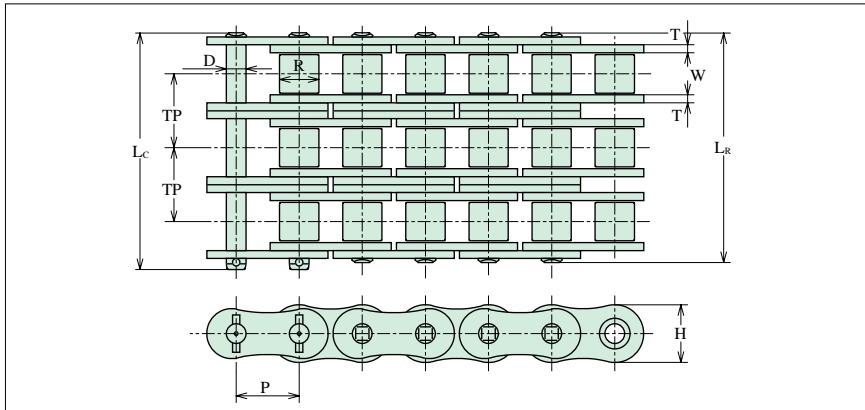
Super Roller Chains are upgraded to a high degree over existing ANSI standard roller chains. Big improvement has been made in particular with impact absorbing capacity.

Super Heavy Roller Chains provided with link plates of next larger chain size promise you higher performance and superior quality.

SINGLE STRANDS

Chain No. (ANSI)	Dimensions - mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate					
		Width	Dia.	Dia.	Length			Height	Thick.				
P	W	R	D	LR	LC	L1	L2	H	T	kN	kN	kg/m	
SUPER 80	25.40	15.88	15.88	7.93	32.60	35.50	16.30	19.20	24.10	3.20	84.30	18.60	2.81
SUPER 100	31.75	19.05	19.05	9.53	39.80	43.20	19.90	23.30	30.10	4.00	127.00	30.40	4.26
SUPER 120	38.10	25.40	22.23	11.10	49.70	53.70	24.90	28.80	36.20	4.80	186.00	39.20	6.30
SUPER 140	44.45	25.40	25.40	12.70	54.00	58.30	27.00	31.30	42.20	5.60	245.00	53.90	8.04
SUPER 160	50.80	31.75	28.58	14.28	64.40	69.00	32.20	36.80	48.20	6.40	314.00	70.60	10.80
SUPER 200	63.50	38.10	39.68	19.84	78.60	86.20	39.30	46.90	60.30	8.00	490.00	94.10	17.60
SUPER 240	76.20	47.63	47.63	23.80	96.40	103.40	48.20	55.20	72.40	9.50	726.00	132.00	25.60
SUPER 80H	25.40	15.88	15.88	7.93	35.90	38.90	18.00	20.90	24.10	4.00	98.10	20.60	3.33
SUPER 100H	31.75	19.05	19.05	9.53	42.60	46.20	21.30	24.90	30.10	4.80	145.00	32.40	4.88
SUPER 120H	38.10	25.40	22.23	11.10	52.80	57.30	26.90	30.40	36.20	5.60	196.00	42.20	6.94
SUPER 140H	44.45	25.40	25.40	12.70	57.20	61.90	28.60	33.30	42.20	6.40	255.00	56.90	8.87
SUPER 160H	50.80	31.75	28.58	14.28	67.90	72.80	34.00	38.80	48.20	7.10	324.00	73.50	11.70

- Note: ※ 1. Offset links are not available.
 2. Riveted type chain will be provided unless otherwise specified.
 Cottered type chain will be provided upon request.
 3. Press-fitted type connecting links will be supplied.



MULTIPLE STRANDS

Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length		Height H	Thick. T						
					LR	LC	L1	L2						
SUPER80-2					62.00	64.90	31.00	33.90			29.30	169.00	31.60	5.63
SUPER80-3	25.40	15.88	15.88	7.93	91.30	94.20	45.70	48.50	24.10	3.20	29.30	253.00	46.50	8.41
SUPER80-4					120.60	123.50	60.30	63.20				337.00	61.40	11.18
SUPER100-2					75.40	79.00	37.70	41.30				255.00	51.60	8.38
SUPER100-3	31.75	19.05	19.05	9.53	111.20	114.80	55.60	59.20	30.10	4.00	35.80	381.00	76.00	12.57
SUPER100-4					147.00	150.60	73.50	77.10				508.00	100.00	16.77
SUPER120-2					95.40	99.40	47.70	51.70				372.00	66.60	12.44
SUPER120-3	38.10	25.40	22.23	11.10	140.80	144.80	70.40	74.40	36.20	4.80	45.40	558.00	98.00	18.65
SUPER120-4					186.20	190.20	93.10	97.10				744.00	129.00	24.85
SUPER140-2					103.30	107.60	51.70	55.90				490.00	91.60	15.92
SUPER140-3	44.45	25.40	25.40	12.70	152.20	156.50	76.10	80.40	42.20	5.60	48.90	735.00	134.00	23.84
SUPER140-4					201.10	205.40	100.60	104.80				980.00	177.00	32.10
SUPER160-2					123.20	127.80	61.60	66.20				628.00	120.00	21.44
SUPER160-3	50.80	31.75	28.58	14.28	181.70	186.30	90.90	95.40	48.20	6.40	58.50	942.00	176.00	32.10
SUPER160-4					240.20	244.80	120.10	124.70				1256.00	233.00	42.84
SUPER200-2					150.60	158.20	75.30	82.90				980.00	160.00	34.91
SUPER200-3	63.50	38.10	39.67	19.83	222.20	229.80	111.10	118.70	60.30	8.00	71.60	1470.00	235.00	52.44
SUPER200-4					293.80	301.40	146.90	154.50				1960.00	310.00	69.74
SUPER240-2					184.20	191.20	92.10	99.10				1452.00	224.00	50.88
SUPER240-3	76.20	47.63	47.63	23.78	272.00	279.00	136.00	143.00	72.40	9.50	87.80	2178.00	330.00	76.12
SUPER240-4					359.80	366.80	179.90	186.90				2904.00	436.00	101.40
SUPER 80H-2	25.40	15.88	15.88	7.93	68.60	71.60	34.30	37.30	24.10	4.00	32.60	196.20	35.02	6.67
SUPER 80H-3					101.20	104.20	50.60	53.60				294.30	51.50	9.96
SUPER 100H-2	31.75	19.05	19.05	9.53	81.60	85.40	40.80	44.60	30.10	4.80	39.10	290.00	55.08	9.60
SUPER 100H-3					120.70	124.50	60.40	64.10				435.00	81.00	14.40
SUPER 120H-2	38.10	25.40	22.23	11.10	102.00	106.40	51.00	55.40	36.20	5.60	48.90	392.00	71.74	13.71
SUPER 120H-3					150.90	155.40	75.50	79.90				588.00	105.50	20.55
SUPER 140H-2	44.45	25.40	25.40	12.70	109.60	114.20	54.80	59.40	42.20	6.40	52.20	510.00	96.73	17.56
SHPER 140H-3					161.80	166.50	80.90	85.60				765.00	142.25	26.30
SUPER 160H-2	50.80	31.75	28.58	14.28	130.00	134.80	65.00	69.80	48.20	7.10	61.90	648.00	124.95	23.15
SUPER 160H-3					192.00	196.80	96.00	100.80				972.00	183.75	34.67

KILOWATT RATING OF SUPER 160

(kW)

No. of Teeth Small Spkt.	Revolutions per Minute (r/min)-Small Sprocket												
	10	15	25	40	50	80	100	150	200	250	300	350	400
	Lubrication System												
	A			B			C			D			
13	4.74	6.83	10.81	16.51	20.18	30.81	37.66	54.24	70.27	85.90	101.22	116.28	131.13
14	5.14	7.40	11.72	17.88	21.86	33.37	40.79	58.76	76.13	93.06	109.65	125.97	142.06
15	5.53	7.97	12.62	19.27	23.55	35.95	43.95	63.31	82.01	100.26	118.13	135.71	153.05
16	5.93	8.55	13.53	20.66	25.25	38.55	47.12	67.88	87.94	107.49	126.66	145.51	164.09
17	6.33	9.12	14.45	22.06	26.96	41.16	50.31	72.47	93.89	114.77	135.23	155.36	175.20
18	6.74	9.70	15.37	23.46	28.68	43.78	53.52	77.08	99.86	122.08	143.84	165.25	186.35
19	7.14	10.29	16.29	24.87	30.40	46.41	56.73	81.72	105.87	129.42	152.49	175.19	197.56
20	7.55	10.87	17.22	26.29	32.13	49.05	59.97	86.37	111.90	136.79	161.18	185.17	208.81
21	7.96	11.46	18.15	27.71	33.87	51.71	63.21	91.05	117.95	144.19	169.90	195.18	220.11
22	8.37	12.05	19.09	29.14	35.62	54.37	66.47	95.74	124.03	151.62	178.65	205.24	231.45
24	9.19	13.24	20.97	32.01	39.13	59.73	73.02	105.17	136.25	166.56	196.26	225.46	254.26
26	10.02	14.44	22.86	34.90	42.66	65.12	79.61	114.67	148.55	181.60	213.98	245.82	277.21
30	11.70	16.85	26.68	40.73	49.79	76.01	92.91	133.83	173.38	211.95	249.74	286.91	323.54
32	12.54	18.06	28.61	43.67	53.39	81.49	99.62	143.49	185.90	227.25	267.77	307.62	346.90
35	13.82	19.90	31.52	48.11	58.81	89.78	109.74	158.08	204.79	250.34	294.98	338.88	382.15
40	15.96	22.99	36.40	55.57	67.93	103.70	126.77	182.60	236.56	289.17	340.74	391.45	441.43
	B			C						D			

KILOWATT RATING OF SUPER 200

(kW)

No. of Teeth Small Spkt.	Revolutions per Minute (r/min)-Small Sprocket												
	5	10	15	20	30	40	50	60	80	100	150	200	250
	Lubrication System												
	A			B			C			D			
13	5.43	10.14	14.60	18.92	27.25	35.30	43.15	50.85	65.87	80.53	115.99	150.27	183.69
14	5.89	10.98	15.82	20.49	29.52	38.24	46.75	55.08	71.36	87.24	125.65	162.79	198.99
15	6.34	11.83	17.04	22.08	31.80	41.20	50.36	59.35	76.88	93.98	135.37	175.38	214.39
16	6.80	12.69	18.27	23.67	34.10	44.18	54.00	63.63	82.43	100.77	145.15	188.04	229.86
17	7.26	13.54	19.51	25.27	36.41	47.16	57.65	67.94	88.01	107.59	154.97	200.77	245.42
18	7.72	14.41	20.75	26.88	38.72	50.17	61.33	72.26	93.62	114.44	164.84	213.55	261.05
19	8.18	15.27	22.00	28.50	41.05	53.18	65.01	76.61	99.25	121.32	174.75	226.39	276.74
20	8.65	16.14	23.25	30.12	43.39	56.21	68.72	80.97	104.90	128.23	184.70	239.29	292.51
21	9.12	17.02	24.51	31.75	45.74	59.26	72.43	85.35	110.57	135.17	194.70	252.23	308.33
22	9.59	17.89	25.77	33.39	48.10	62.31	76.17	89.75	116.27	142.13	204.73	265.23	324.22
24	10.53	19.66	28.31	36.68	52.83	68.45	83.67	98.59	127.73	156.14	224.90	291.36	356.17
26	11.48	21.43	30.87	39.99	57.60	74.63	91.23	107.49	139.26	170.23	245.21	317.67	388.32
30	13.40	25.01	36.03	46.68	67.23	87.10	106.47	125.46	162.54	198.69	286.19	370.76	453.23
32	14.37	26.82	38.63	50.05	72.09	93.39	114.16	134.52	174.27	213.03	306.85	397.53	485.94
35	15.83	29.54	42.56	55.13	79.41	102.88	125.76	148.19	191.98	234.68	338.03	437.92	535.32
40	18.29	34.13	49.16	63.68	91.73	118.84	145.27	171.17	221.76	271.08	390.47	505.86	618.37
	A			B			C			D			

KILOWATT RATING OF SUPER 240

(kW)

No. of Teeth Small Spkt.	Revolutions per Minute (r/min)-Small Sprocket												
	5	10	15	20	25	30	40	50	60	80	100	125	150
	Lubrication System												
	A			B			C			D			
13	7.99	14.92	21.49	27.84	34.03	40.09	51.94	63.50	74.82	96.93	118.49	144.84	170.67
14	8.66	16.16	23.28	30.16	36.86	43.44	56.27	68.79	81.05	105.01	128.36	156.91	184.89
15	9.33	17.41	25.08	32.49	39.71	46.80	60.62	74.11	87.32	113.13	138.29	169.05	199.19
16	10.00	18.67	26.89	34.83	42.58	50.17	65.00	79.46	93.63	121.30	148.27	181.25	213.57
17	10.68	19.93	28.71	37.19	45.46	53.57	69.40	84.83	99.96	129.50	158.31	193.52	228.03
18	11.36	21.20	30.53	39.56	48.36	56.98	73.82	90.24	106.33	137.75	168.39	205.84	242.55
19	12.04	22.47	32.37	41.94	51.26	60.41	78.26	95.66	112.72	146.03	178.51	218.22	257.13
20	12.73	23.75	34.21	44.33	54.18	63.85	82.71	101.11	119.14	154.35	188.68	230.65	271.78
21	13.42	25.04	36.07	46.72	57.12	67.30	87.19	106.58	125.59	162.70	198.89	243.13	286.48
22	14.11	26.33	37.92	49.13	60.06	70.77	91.68	112.07	132.06	171.09	209.14	255.65	301.24
24	15.50	28.92	41.66	53.97	65.98	77.74	100.72	123.12	145.07	187.94	229.74	280.84	330.92
26	16.90	31.53	45.42	58.85	71.93	84.76	109.81	134.23	158.17	204.91	250.49	306.20	360.80
30	19.72	36.81	53.01	68.68	83.96	98.93	128.16	156.67	184.60	239.16	292.35	357.38	421.10
32	21.15	39.46	56.84	73.64	90.02	106.07	137.41	167.98	197.93	256.42	313.46	383.18	451.50
35	23.30	43.47	62.62	81.12	99.16	116.85	151.38	185.05	218.04	282.48	345.31	422.11	497.38
40	26.91	50.22	72.33	93.71	114.55	134.97	174.86	213.75	251.87	326.30	398.88	487.60	574.54
	B			C						D			

Note: Lubricated types A, B, C and D on the table are shown on page 70.