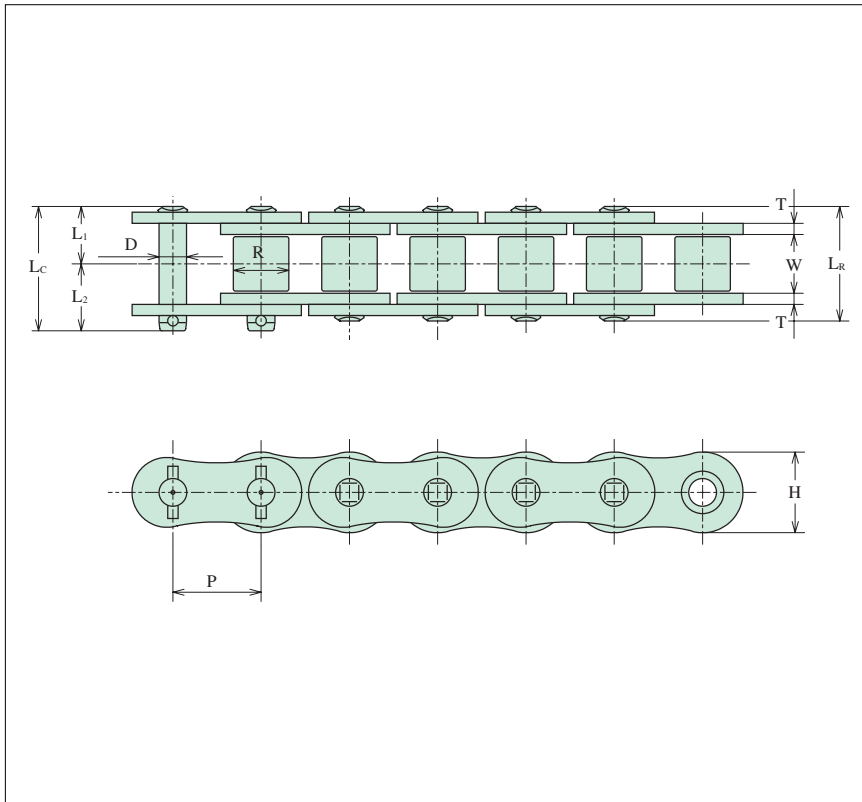


## Super Roller Chains



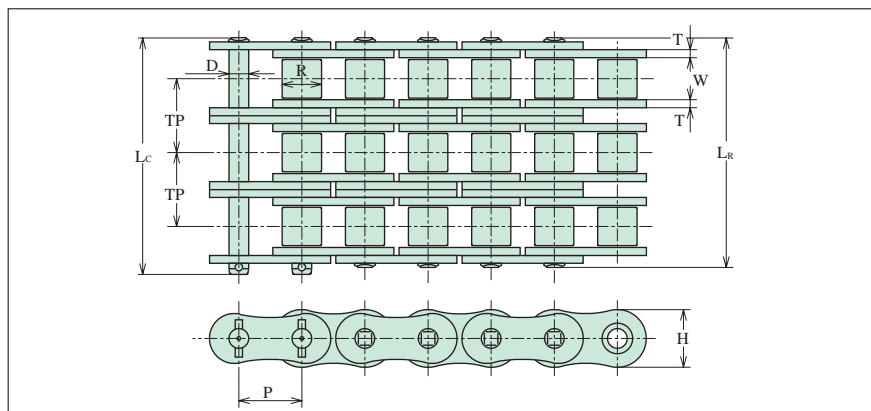
Super Roller Chains are upgraded to a high degree over existing ANSI standard roller chains. Big improvement has been made in particular with impact absorbing capacity.

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				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

## SUPER ROLLER CHAIN

### KILOWATT RATING OF SUPER 80

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket												
	10	25	50	100	200	300	400	500	600	700	800	900	1000
	Lubrication Method												
	B			C			D						
13	0.87	1.98	3.70	6.91	12.89	18.57	24.05	29.40	34.64	32.10	26.27	22.02	18.80
14	0.94	2.15	4.01	7.48	13.96	20.11	26.06	31.85	37.53	35.87	29.36	24.60	21.01
15	1.01	2.32	4.32	8.06	15.04	21.67	28.07	34.31	40.43	39.78	32.56	27.29	23.30
16	1.09	2.48	4.63	8.64	16.13	23.23	30.10	36.79	43.35	43.82	35.87	30.06	25.67
17	1.16	2.65	4.95	9.23	17.22	24.80	32.13	39.28	46.29	48.00	39.28	32.92	28.11
18	1.24	2.82	5.26	9.82	18.32	26.38	34.18	41.78	49.23	52.29	42.80	35.87	30.63
19	1.31	2.99	5.58	10.41	19.42	27.97	36.24	44.30	52.19	56.71	46.42	38.90	33.21
20	1.38	3.16	5.89	11.00	20.52	29.56	38.30	46.82	55.17	61.25	50.13	42.01	35.87
21	1.46	3.33	6.21	11.59	21.63	31.16	40.37	49.35	58.15	65.90	53.94	45.20	38.59
22	1.53	3.50	6.53	12.19	22.75	32.77	42.45	51.89	61.15	70.25	57.83	48.47	41.38
24	1.69	3.85	7.18	13.39	24.99	36.00	46.64	57.01	67.17	77.17	65.90	55.23	47.15
26	1.84	4.19	7.82	14.60	27.25	39.25	50.85	62.15	73.24	84.14	74.30	62.27	53.17
30	2.15	4.89	9.13	17.04	31.80	45.81	59.34	72.54	85.48	98.20	92.09	77.18	65.90
32	2.30	5.25	9.79	18.27	34.10	49.11	63.63	77.78	91.65	105.29	101.46	85.03	72.60
35	2.53	5.78	10.79	20.13	37.56	54.10	70.09	85.68	100.96	115.99	116.05	97.26	83.04
40	2.93	6.68	12.46	23.25	43.39	62.50	80.97	98.98	116.62	133.98	141.79	118.83	101.46

### KILOWATT RATING OF SUPER 100

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket												
	10	25	50	100	200	300	400	500	600	700	800	900	1000
	Lubrication Method												
	B			C			D						
13	1.47	3.35	6.25	11.66	21.76	31.35	40.61	49.65	48.35	38.37	31.40	26.32	22.47
14	1.59	3.63	6.77	12.64	23.58	33.96	44.00	53.78	54.04	42.88	35.10	29.41	25.11
15	1.71	3.91	7.29	13.61	25.40	36.59	47.40	57.94	59.93	47.56	38.92	32.62	27.85
16	1.84	4.19	7.82	14.60	27.24	39.23	50.82	62.13	66.02	52.39	42.88	35.94	30.68
17	1.96	4.48	8.35	15.58	29.08	41.88	54.26	66.33	72.30	57.38	46.96	39.36	33.60
18	2.09	4.76	8.88	16.58	30.93	44.55	57.72	70.56	78.78	62.51	51.17	42.88	36.61
19	2.21	5.05	9.42	17.57	32.79	47.23	61.19	74.80	85.43	67.80	55.49	46.50	39.71
20	2.34	5.33	9.95	18.57	34.66	49.92	64.67	79.06	92.26	73.22	59.93	50.22	42.88
21	2.46	5.62	10.49	19.58	36.52	52.62	68.17	83.34	98.20	78.78	64.48	54.04	46.11
22	2.59	5.91	11.03	20.59	38.42	55.33	71.69	87.63	103.26	84.47	69.14	57.94	49.47
24	2.85	6.49	12.12	22.61	42.20	60.79	78.75	96.26	113.43	96.25	78.78	66.02	56.37
26	3.10	7.08	13.21	24.66	46.01	66.27	85.86	104.96	123.67	108.52	88.83	74.44	63.56
30	3.62	8.26	15.42	28.78	53.70	77.35	100.21	122.50	144.34	134.51	110.09	92.26	78.78
32	3.88	8.86	16.53	30.86	57.58	82.93	107.41	131.34	154.76	148.18	121.28	101.64	86.78
35	4.28	9.76	18.22	33.99	63.43	91.36	118.36	144.69	170.49	169.50	138.73	116.27	99.27
40	4.94	11.28	21.04	39.26	73.27	105.54	136.72	167.13	196.94	207.09	169.50	142.05	121.28

### KILOWATT RATING OF SUPER 120

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket												
	10	25	50	100	200	300	400	500	600	700	800	900	1000
	Lubrication Method												
	B			C			D						
13	2.27	5.18	9.67	18.05	33.68	48.51	62.84	73.54	55.94	44.39	36.34	30.45	26.00
14	2.46	5.61	10.48	19.55	36.48	52.55	68.08	82.19	62.52	49.61	40.61	34.03	29.06
15	2.65	6.05	11.29	21.06	39.30	56.61	73.34	89.65	69.34	55.02	45.04	37.74	32.23
16	2.84	6.49	12.10	22.58	42.14	60.70	78.64	96.13	76.39	60.62	49.61	41.58	35.50
17	3.04	6.92	12.92	24.11	44.99	64.81	83.96	102.63	83.66	66.39	54.34	45.54	38.88
18	3.23	7.36	13.74	25.65	47.86	68.93	89.30	109.17	91.15	72.33	59.20	49.61	42.36
19	3.42	7.81	14.57	27.19	50.73	73.08	94.67	115.73	98.85	78.44	64.20	53.81	45.94
20	3.62	8.25	15.40	28.74	53.62	77.24	100.07	122.32	106.75	84.71	69.34	58.11	49.61
21	3.81	8.70	16.23	30.29	56.53	81.42	105.48	128.94	114.86	91.15	74.60	62.52	53.38
22	4.01	9.15	17.07	31.85	59.44	85.61	110.92	135.58	123.16	97.73	79.99	67.04	57.24
24	4.41	10.05	18.75	34.99	65.29	94.05	121.84	148.94	140.33	111.36	91.15	76.39	65.22
26	4.80	10.96	20.44	38.15	71.19	102.54	132.85	162.39	158.23	125.57	102.77	86.13	73.54
30	5.61	12.79	23.86	44.53	83.09	119.68	155.05	189.53	196.12	155.63	127.38	106.75	91.15
32	6.01	13.71	25.58	47.74	89.09	128.32	166.24	203.22	216.05	171.45	140.33	117.60	100.41
35	6.62	15.10	28.18	52.59	98.14	141.36	183.13	223.87	247.14	196.12	160.52	134.52	114.86
40	7.65	17.45	32.56	60.75	113.36	163.29	211.54	258.59	301.94	239.61	196.12	164.36	140.33

### KILOWATT RATING OF SUPER 140

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket												
	10	25	50	100	200	300	400	500	600	700	800	900	1000
	Lubrication Method												
	B			C			D						
13	3.30	7.52	14.03	26.18	48.86	70.37	91.17	83.19	63.29	50.22	41.11	34.45	29.41
14	3.57	8.14	15.20	28.36	52.93	76.23	98.76	92.97	70.73	56.13	45.94	38.50	32.87
15	3.85	8.78	16.37	30.56	57.02	82.13	106.40	103.11	78.44	62.25	50.95	42.70	36.45
16	4.12	9.41	17.56	32.76	61.14	88.06	114.09	113.59	86.41	68.57	56.13	47.04	40.16
17	4.40	10.05	18.74	34.98	65.27	94.02	121.80	124.40	94.64	75.10	61.47	51.51	43.98
18	4.68	10.68	19.94	37.21	69.43	100.01	129.56	135.54	103.11	81.82	66.97	56.13	47.92
19	4.97	11.33	21.14	39.44	73.60	106.02	137.35	146.99	111.82	88.74	72.63	60.87	51.97
20	5.25	11.97	22.34	41.69	77.80	112.06	145.18	158.75	120.76	95.83	78.44	65.74	56.13
21	5.53	12.62	23.55	43.95	82.01	118.12	153.03	170.80	129.93	103.11	84.39	70.73	60.39
22	5.82	13.27	24.76	46.21	86.23	124.21	160.91	183.15	139.32	110.56	90.49	75.84	64.75
24	6.39	14.58	27.20	50.76	94.73	136.45	176.77	208.68	158.75	125.98	103.11	86.41	73.78
26	6.97	15.89	29.66	55.35	103.28	148.77	192.73	235.30	179.00	142.05	116.26	97.43	83.19
30	8.13	18.55	34.62	64.60	120.54	173.63	224.94	274.97	221.86	176.06	144.10	120.76	103.11
32	8.72	19.89	37.12	69.26	129.25	186.16	241.18	294.82	244.41	193.95	158.75	133.04	113.59
35	9.61	21.91	40.89	76.30	142.38	205.08	265.69	324.78	279.57	221.86	181.59	152.18	129.93
40	11.10	25.31	47.23	88.14	164.47	236.90	306.91	375.17	341.57	271.06	221.86	185.93	158.75

# KILOWATT RATING OF SUPER 160

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket																
	10	25	50	100	200	300	400	500	600	700	800	900	1000				
	B						C						D				
13	4.58	10.44	19.48	36.34	67.82	97.69	126.56	92.57	70.42	55.88	45.74	38.33	32.73				
14	4.96	11.31	21.10	39.37	73.47	105.83	137.11	103.45	78.70	62.45	51.12	42.84	36.58				
15	5.34	12.18	22.73	42.42	79.16	114.02	147.71	114.73	87.28	69.26	56.69	47.51	40.56				
16	5.73	13.06	24.37	45.48	84.87	122.25	158.37	126.40	96.15	76.30	62.45	52.34	44.69				
17	6.11	13.94	26.02	48.56	90.61	130.52	169.09	138.43	105.31	83.57	68.40	57.32	48.94				
18	6.50	14.83	27.68	51.65	96.38	138.83	179.86	150.82	114.73	91.05	74.52	62.45	53.32				
19	6.89	15.72	29.34	54.76	102.18	147.18	190.67	163.56	124.43	98.74	80.82	67.73	57.83				
20	7.29	16.62	31.01	57.88	108.00	155.56	201.53	176.65	134.38	106.64	87.28	73.15	62.45				
21	7.68	17.52	32.69	61.01	113.84	163.98	212.44	190.06	144.58	114.73	93.91	78.70	67.20				
22	8.08	18.42	34.38	64.15	119.71	172.43	223.38	203.79	155.03	123.03	100.70	84.39	72.05				
24	8.87	20.24	37.76	70.47	131.50	189.42	245.39	232.21	176.65	140.18	114.73	96.15	82.10				
26	9.67	22.06	41.17	76.83	143.38	206.52	267.55	261.83	199.18	158.06	129.37	108.42	92.57				
30	11.29	25.75	48.06	89.68	167.34	241.04	312.27	324.52	246.87	195.91	160.35	134.38	114.73				
32	12.10	27.61	51.52	96.15	179.42	258.44	334.81	357.50	271.96	215.82	176.65	148.04	126.40				
35	13.33	30.42	56.76	105.92	197.65	284.70	368.83	408.94	311.09	246.87	202.06	169.34	144.58				
40	15.40	35.14	65.57	122.35	228.31	328.86	426.05	499.63	380.08	301.62	246.87	206.89	0.00				

# KILOWATT RATING OF SUPER 200

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket											
	5	10	20	30	40	50	60	80	100	150	200	
	B			C						D		
13	5.22	9.73	18.16	26.16	33.89	41.43	48.81	63.24	77.30	111.35	144.26	
14	5.65	10.54	19.67	28.34	36.71	44.88	52.88	68.51	83.75	120.63	156.28	
15	6.09	11.36	21.20	30.53	39.55	48.35	56.97	73.81	90.23	129.96	168.37	
16	6.53	12.18	22.73	32.73	42.41	51.84	61.08	79.14	96.74	139.34	180.52	
17	6.97	13.00	24.26	34.95	45.28	55.35	65.22	84.49	103.28	148.77	192.73	
18	7.41	13.83	25.81	37.18	48.16	58.87	69.37	89.87	109.86	158.24	205.01	
19	7.86	14.66	27.36	39.41	51.06	62.41	73.54	95.28	116.47	167.76	217.33	
20	8.30	15.50	28.92	41.66	53.97	65.97	77.73	100.70	123.10	177.31	229.71	
21	8.75	16.34	30.48	43.91	56.89	69.54	81.94	106.15	129.76	186.91	242.14	
22	9.21	17.18	32.05	46.17	59.82	73.12	86.16	111.62	136.45	196.54	254.62	
24	10.11	18.87	35.21	50.72	65.71	80.32	94.65	122.62	149.89	215.90	279.71	
26	11.03	20.57	38.39	55.30	71.64	87.58	103.19	133.69	163.43	235.40	304.96	
30	12.87	24.01	44.81	64.54	83.62	102.21	120.44	156.03	190.74	274.74	355.93	
32	13.80	25.75	48.04	69.20	89.65	109.59	129.14	167.30	204.51	294.57	381.63	
35	15.20	28.36	52.93	76.23	98.76	120.73	142.26	184.30	225.29	324.51	420.41	
40	17.56	32.76	61.14	88.06	114.08	139.46	164.33	212.89	260.24	374.85	485.62	

# KILOWATT RATING OF SUPER 240

No. of Teeth Small Spkt.	Revolutions per Minute (RPM)-Small Sprocket												
	5	10	15	20	25	30	40	50	60	80	100	125	150
	B		C						D				
13	8.03	14.99	21.59	27.97	34.19	40.28	52.19	63.79	75.17	97.38	119.04	145.52	171.47
14	8.70	16.24	23.38	30.30	37.03	43.64	56.53	69.11	81.43	105.50	128.96	157.64	185.75
15	9.37	17.49	25.19	32.64	39.90	47.01	60.91	74.45	87.73	113.66	138.94	169.84	200.12
16	10.05	18.75	27.01	35.00	42.78	50.41	65.30	79.83	94.06	121.86	148.97	182.10	214.57
17	10.73	20.02	28.84	37.36	45.67	53.82	69.72	85.23	100.43	130.11	159.04	194.42	229.09
18	11.41	21.30	30.68	39.74	48.58	57.25	74.16	90.66	106.82	138.39	169.17	206.80	243.68
19	12.10	22.58	32.52	42.13	51.50	60.69	78.62	96.11	113.25	146.71	179.34	219.23	258.33
20	12.79	23.86	34.37	44.53	54.44	64.14	83.10	101.58	119.70	155.07	189.56	231.72	273.04
21	13.48	25.16	36.23	46.94	57.38	67.61	87.60	107.08	126.17	163.46	199.82	244.26	287.82
22	14.18	26.45	38.10	49.36	60.34	71.10	92.11	112.60	132.67	171.88	210.11	256.84	302.64
24	15.57	29.06	41.85	54.22	66.28	78.10	101.19	123.69	145.75	188.82	230.81	282.15	332.46
26	16.98	31.68	45.63	59.12	72.27	85.16	110.32	134.86	158.91	205.87	251.66	307.63	362.48
30	19.82	36.98	53.26	69.00	84.35	99.39	128.76	157.40	185.46	240.27	293.71	359.04	423.07
32	21.25	39.65	57.11	73.98	90.44	106.56	138.05	168.76	198.85	257.62	314.92	384.96	453.61
35	23.40	43.67	62.91	81.50	99.63	117.39	152.08	185.91	219.06	283.80	346.92	424.08	499.70
40	27.04	50.45	72.67	94.14	115.08	135.60	175.68	214.75	253.04	327.82	400.74	489.87	577.22

Note: Lubricated types A, B, C and D on the table are shown on page 72.  
: Whenever possible, selection should not be made from the colored sections of the table.

ROLLER CHAINS  
DOUBLE PITCH ROLLER CHAINS  
HOLLOW PIN CHAINS  
CORROSION RESISTANT ROLLER CHAINS  
LEAF CHAINS  
ATTACHMENT CHAINS  
TECHNICAL INFORMATION