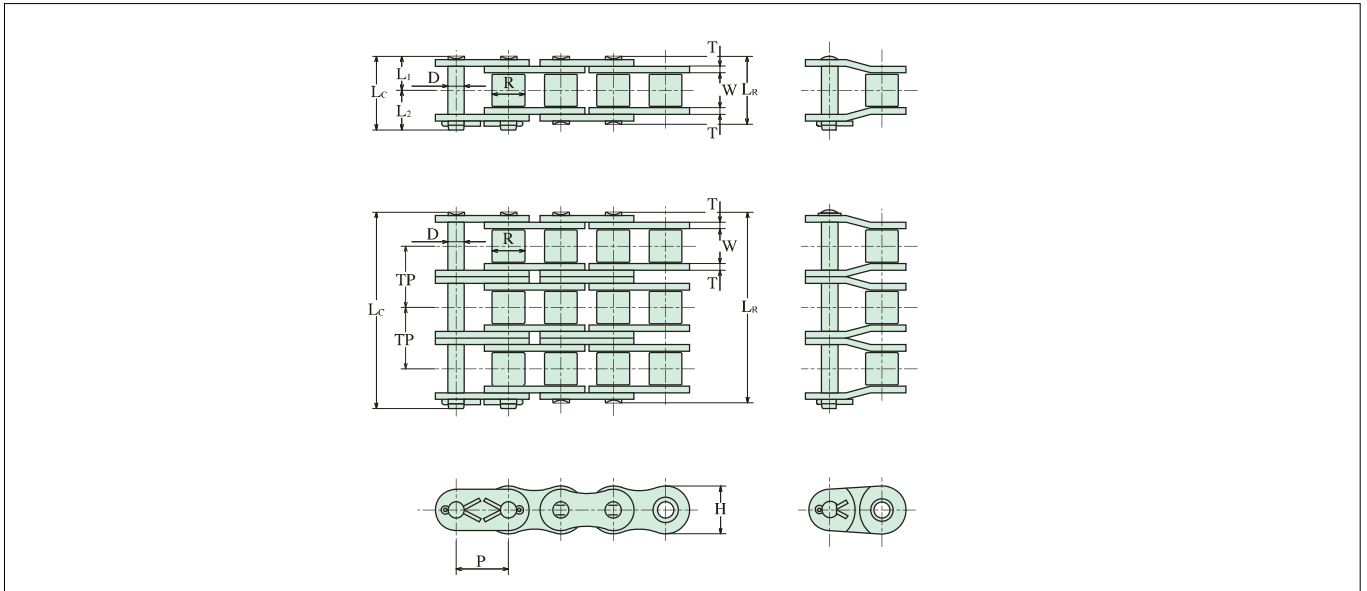


## 100



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					
	P	W	R	D	LR	LC	L1	L2	H	T	TP			
100	31.75	19.05	19.05	9.53	39.40	43.00	19.70	23.30	29.30	4.00	—	118.00	29.40	3.84
100-2					75.10	78.80	37.60	41.20			236.00	38.40	7.74	
100-3					110.90	114.60	55.50	59.10			354.00	56.50	11.58	
100-4					147.40	150.80	73.70	77.10			471.00	74.40	15.06	
100-5					183.00	186.60	91.50	95.10			590.00	88.10	19.26	
100-6					218.80	222.40	109.40	113.00			708.00	104.00	23.10	

## KILOWATT RATING OF 100

(kw)

No. of Teeth Small Spkt.	Revolutions per Minute(RPM)-Small Sprocket																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1800
	Lubrication Method																			
	A			B			C						D							
11	1.27	2.90	5.41	10.10	14.50	18.80	27.10	35.10	43.00	37.60	29.90	24.40	20.50	17.50	15.20	13.30	11.80	10.60	9.50	7.20
12	1.40	3.18	5.94	11.10	16.00	20.70	29.80	38.60	47.20	42.90	34.00	27.90	23.30	19.90	17.30	15.20	13.40	12.00	10.80	8.30
13	1.52	3.47	6.48	12.10	17.40	22.60	32.50	42.10	51.50	48.40	38.40	31.40	26.30	22.50	19.50	17.10	15.20	13.60	12.20	9.30
14	1.65	3.76	7.02	13.10	18.90	24.40	35.20	45.60	55.70	54.00	42.90	35.10	29.40	25.10	21.80	19.10	16.90	15.20	13.70	10.40
15	1.78	4.05	7.56	14.10	20.30	26.30	37.90	49.10	60.10	59.90	47.60	38.90	32.60	27.90	24.10	21.20	18.80	16.80	15.20	11.50
16	1.90	4.34	8.11	15.10	21.80	28.20	40.70	52.70	64.40	66.00	52.40	42.90	35.90	30.70	26.60	23.30	20.70	18.50	16.70	12.70
17	2.03	4.64	8.65	16.10	23.30	30.10	43.40	56.20	68.70	72.30	57.40	47.00	39.40	33.60	29.10	25.60	22.70	20.30	18.30	13.90
18	2.16	4.93	9.21	17.20	24.70	32.10	46.20	59.80	73.10	78.80	62.50	51.20	42.90	36.60	31.70	27.90	24.70	22.10	19.90	15.20
19	2.29	5.23	9.76	18.20	26.20	34.00	48.90	63.40	77.50	85.40	67.80	55.50	46.50	39.70	34.40	30.20	26.80	24.00	21.60	16.40
20	2.42	5.53	10.30	19.20	27.70	35.90	51.70	67.00	81.90	92.30	73.20	59.90	50.20	42.90	37.20	32.60	28.90	25.90	23.30	17.80
21	2.55	5.83	10.90	20.30	29.20	37.90	54.50	70.70	86.40	99.30	78.80	64.50	54.00	46.10	40.00	35.10	31.10	27.90	25.10	19.10
22	2.69	6.13	11.40	21.30	30.70	39.80	57.30	74.30	90.80	106.00	84.50	69.10	57.90	49.50	42.90	37.60	33.40	29.90	26.90	20.50
23	2.82	6.43	12.00	22.40	32.20	41.80	60.20	77.90	95.30	112.00	90.30	73.90	61.90	52.90	45.80	40.20	35.70	31.90	28.80	21.90
24	2.95	6.73	12.60	23.40	33.80	43.70	63.00	81.60	99.80	118.00	96.20	78.80	66.00	56.40	48.90	42.90	38.00	34.00	30.70	23.30
25	3.08	7.03	13.10	24.50	35.30	45.70	65.80	85.30	104.00	123.00	102.00	83.80	70.20	59.90	51.90	45.60	40.40	36.20	32.60	24.80
26	3.22	7.34	13.70	25.60	36.80	47.70	68.70	89.00	109.00	128.00	109.00	88.80	74.40	63.60	55.10	48.40	42.90	38.40	34.60	26.30
28	3.48	7.95	14.80	27.70	39.90	51.70	74.40	96.40	118.00	139.00	121.00	99.30	83.20	71.00	61.60	54.00	47.90	42.90	38.70	29.40
30	3.75	8.56	16.00	29.80	43.00	55.70	80.20	104.00	127.00	150.00	135.00	110.00	92.30	78.80	68.30	59.90	53.10	47.60	42.90	32.60
32	4.03	9.18	17.10	32.00	46.10	59.70	85.90	111.00	136.00	160.00	148.00	121.00	102.00	86.80	75.20	66.00	58.50	52.40	47.20	35.90
35	4.43	10.10	18.90	35.20	50.70	65.70	94.70	123.00	150.00	177.00	170.00	139.00	116.00	99.30	86.00	75.50	67.00	59.90	54.00	41.10
40	5.12	11.70	21.80	40.70	58.60	75.90	109.00	142.00	173.00	204.00	207.00	170.00	142.00	121.00	105.00	92.30	81.80	73.20	66.00	50.20
45	5.82	13.30	24.80	46.20	66.60	86.20	124.00	161.00	197.00	232.00	247.00	202.00	170.00	145.00	125.00	110.00	97.60	87.40	78.80	59.90

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

: Whenever possible, selection should not be made from the colored sections of the table.