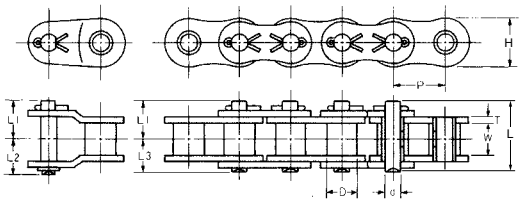
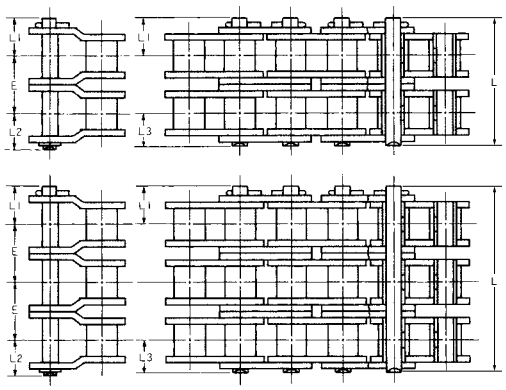
OCM ANSI ROLLER CHAIN

Chain No. 100

Pitch ● 1.250inch / 31.75mm





UNIT Upper:inch
Beneath:mm

OCM Chain No.	ANSI No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate H	Link Plate T	Pin Diam. d	Pin L	Pin L1	Pin L2	Pin L3	Trans Pitch E	Average Tensile Strength Lb/kg	Max. Working Load Lb/kg	Approx Weight Lb/ft kg/m
OCM100	100	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	1.698 43.1	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	26,460 12,000	5,513 2,500	2.801 4.2
OCM100-2	100-2	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	3.109 78.9	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	52,920 24,000	9,371 4,250	5.603 8.4
OCM100-3	100-3	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	4.519 114.7	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	79,380 36,000	13,781 6,250	8.338 12.5
OCM100-4	100-4	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	5.930 150.5	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	105,840 48,000	18,191 8,250	11.006 16.5
OCM100-5	100-5	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	7.340 186.3	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	132,300 60,000	21,499 9,750	13.807 20.7
OCM100-6	100-6	1.250 31.75	0.750 19.05	0.755 19.15	1.185 30.1	0.158 4.0	0.375 9.53	8.751 222.1	0.925 23.5	0.846 21.5	0.787 20.0	1.411 35.8	158,760 72,000	25,358 11,500	16.542 24.8

Note: Dimensions subject to change. Certified dimensions furnished upon request.

HORSEPOWER RATINGS SINGLE STRAND ROLLER CHAIN

No. of Teeth Small Spkt.	REVOLUTIONS PER MINUTE-SMALL SPROCKET 10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2700
11	0.81	1.85	3.45	6.44	9.28	12.0	17.3	22.4	27.4	32.3	37.1	32.8	27.5	23.4	20.3	17.8	15.8	14.2	11.6	9.71	8.29	7.19	6.31	1.29	0
12	0.89	2.03	3.79	7.08	10.2	13.2	19.0	24.6	30.1	35.5	40.8	37.3	31.3	26.7	23.2	20.3	18.0	16.1	13.2	11.1	9.45	8.19	7.19	0	
13	0.97	2.22	4.13	7.72	11.1	14.4	20.7	26.9	32.8	38.7	44.5	42.1	35.3	30.1	26.1	22.9	20.3	18.2	14.9	12.5	10.6	9.23	8.10	0	
14	1.05	2.40	4.48	8.36	12.0	15.6	22.5	29.1	35.6	41.9	48.2	47.0	39.4	33.7	29.2	25.6	22.7	20.3	16.6	13.9	11.9	10.3	9.05	0	
15	1.13	2.59	4.83	9.01	13.0	16.8	24.2	31.4	38.3	45.2	51.9	52.2	43.7	37.3	32.4	28.4	25.2	22.5	18.4	15.5	13.2	11.4	10.0	0	
16	1.22	2.77	5.17	9.66	13.9	18.0	26.0	33.6	41.1	48.4	55.6	57.5	48.2	41.1	35.7	31.3	27.7	24.8	20.3	17.0	14.5	12.6	11.1	0	
17	1.30	2.96	5.52	10.3	14.8	19.2	27.7	35.9	43.9	51.7	59.4	63.0	52.8	45.0	39.0	34.3	30.4	27.2	22.3	18.7	15.9	13.8	0.79	0	
18	1.38	3.15	5.88	11.0	15.8	20.5	29.5	38.2	46.7	55.0	63.2	68.6	57.5	49.1	42.5	37.3	33.1	29.6	24.2	20.3	17.4	15.0	0		
19	1.46	3.34	6.23	11.6	16.7	21.7	31.2	40.5	49.5	58.3	67.0	74.4	62.2	53.2	46.1	40.5	35.9	32.1	26.3	22.0	18.8	16.3	0		
20	1.55	3.53	6.58	12.3	17.7	22.9	33.0	42.8	52.3	61.6	70.8	79.8	67.3	57.5	49.8	43.7	38.8	34.7	28.4	23.8	20.3	17.6	0		
21	1.63	3.72	6.94	13.0	18.7	24.2	34.8	45.1	55.1	65.0	74.6	84.2	72.4	61.8	53.6	47.0	41.7	37.3	30.6	25.6	21.9	19.0	0		
22	1.71	3.91	7.30	13.6	19.6	25.4	36.6	47.4	58.0	68.3	78.5	88.5	77.7	66.3	57.5	50.4	44.7	40.0	32.8	27.5	23.4	20.3	0		
23	1.80	4.10	7.66	14.3	20.6	26.7	38.4	49.8	60.8	71.7	82.3	92.8	83.0	70.9	61.4	53.9	47.8	42.8	35.0	29.4	25.1	7.74	0		
24	1.88	4.30	8.02	15.0	21.5	27.9	40.2	52.1	63.7	75.0	86.2	97.2	88.5	75.6	65.5	57.5	51.0	45.6	37.3	31.3	26.7	0			
25	1.97	4.49	8.38	15.6	22.5	29.2	42.0	54.4	66.6	78.4	90.1	102	94.1	80.3	69.6	61.1	54.2	48.5	39.7	33.3	28.4	0			
26	2.05	4.68	8.74	16.3	23.5	30.4	43.8	56.8	69.4	81.8	94.0	106	99.8	85.2	73.8	64.8	57.5	51.4	42.1	35.3	30.1	0			
28	2.22	5.07	9.47	17.7	25.5	33.0	47.5	61.5	75.2	88.6	102	115	112	95.2	82.5	72.4	64.2	57.5	47.0	39.4	33.7	0			
30	2.40	5.47	10.2	19.0	27.4	35.5	51.2	66.3	81.0	95.5	110	124	124	106	91.5	80.3	71.2	63.7	52.2	43.7	10.0	0			
32	2.57	5.86	10.9	20.4	29.4	38.1	54.9	71.1	86.9	102	118	133	136	116	101	88.5	78.5	70.2	57.5	48.2	0				
35	2.83	6.46	12.0	22.5	32.4	42.0	60.4	78.3	95.7	113	130	146	156	133	115	101	89.8	80.3	65.8	55.1	0				
40	3.27	7.46	13.9	26.0	37.4	48.5	69.8	90.4	111	130	150	169	188	163	141	124	110	98.1	80.3	0					
Lubrication	I			II				III																	

See page 14. for lubrication type.
When your selection fall in the right part of the dotted line, consult us.
For horsepower ratings of multiple strand, multiply the horsepower above by multiple strand factor on page 11.
Note: Dimensions subject to change. Certified dimensions furnished upon request.