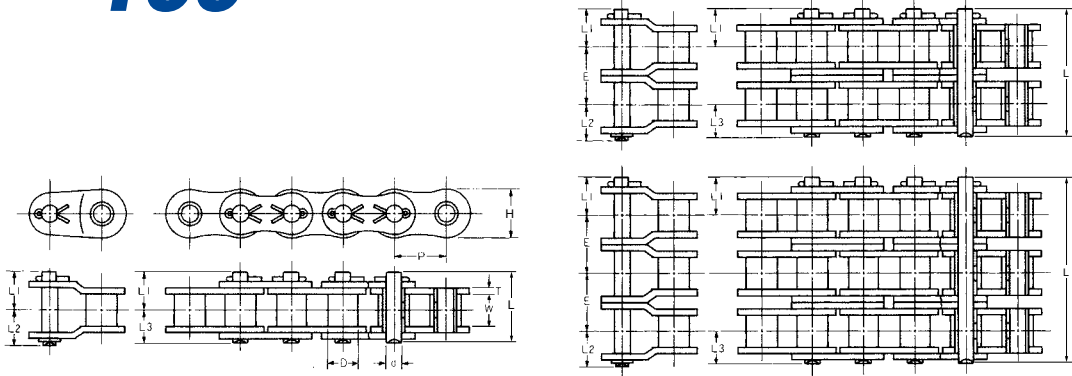


OCM ANSI ROLLER CHAIN

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		Pin Diam. d	Pin				Trans Pitch E	Average Tensile Strength Lb/kg	Max. Working Load Lb/kg	Approx Weight Lb/ft kg/m
				H	T	L	L1		L2	L3						
OCM100	100	1.250	0.750	0.755	1.185	0.158	0.375	1.698	0.925	0.846	0.787	1.411	26,460	5,513	2.801	
		31.75	19.05	19.15	30.1	4.0	9.53	43.1	23.5	21.5	20.0	35.8	12,000	2,500	4.2	
OCM100-2	100-2	1.250	0.750	0.755	1.185	0.158	0.375	3.109	0.925	0.846	0.787	1.411	52,920	9,371	5.603	
		31.75	19.05	19.15	30.1	4.0	9.53	78.9	23.5	21.5	20.0	35.8	24,000	4,250	8.4	
OCM100-3	100-3	1.250	0.750	0.755	1.185	0.158	0.375	4.519	0.925	0.846	0.787	1.411	79,380	13,781	8.338	
		31.75	19.05	19.15	30.1	4.0	9.53	114.7	23.5	21.5	20.0	35.8	36,000	6,250	12.5	
OCM100-4	100-4	1.250	0.750	0.755	1.185	0.158	0.375	5.930	0.925	0.846	0.787	1.411	105,840	18,191	11.006	
		31.75	19.05	19.15	30.1	4.0	9.53	150.5	23.5	21.5	20.0	35.8	48,000	8,250	16.5	
OCM100-5	100-5	1.250	0.750	0.755	1.185	0.158	0.375	7.340	0.925	0.846	0.787	1.411	132,300	21,499	13.807	
		31.75	19.05	19.15	30.1	4.0	9.53	186.3	23.5	21.5	20.0	35.8	60,000	9,750	20.7	
OCM100-6	100-6	1.250	0.750	0.755	1.185	0.158	0.375	8.751	0.925	0.846	0.787	1.411	158,760	25,358	16.542	
		31.75	19.05	19.15	30.1	4.0	9.53	222.1	23.5	21.5	20.0	35.8	72,000	11,500	24.8	

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

HORSEPOWER RATINGS SINGLE STRAND ROLLER CHAIN

No. of Teeth Small Splt.	REVOLUTIONS PER MINUTE-SMALL SPROCKET (rpm)																									
	10	25	50	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2500	2600		
11	1.07	2.45	4.57	8.53	16.0	22.9	29.6	36.3	42.8	40.1	32.7	27.5	23.5	20.4	17.8	15.8	14.2	11.59	9.71	8.29	7.19	6.30	5.93	5.59		
12	1.18	2.68	5.02	9.36	17.4	25.2	32.6	39.8	46.9	45.6	37.4	31.2	26.7	23.2	20.4	18.0	16.1	13.21	11.1	9.45	8.19	7.19	6.73	0		
13	1.29	2.94	5.47	10.2	19.0	27.5	35.5	43.4	51.2	51.5	42.1	35.3	30.2	26.1	22.9	20.4	18.2	14.9	12.5	10.6	9.24	8.10	7.62	0		
14	1.39	3.18	5.93	11.1	20.7	29.8	38.5	47.1	55.5	57.5	47.1	39.4	33.7	29.2	25.6	22.7	20.4	16.6	13.9	11.9	10.3	9.05	8.52	0		
15	1.50	3.42	6.38	11.9	22.3	32.0	41.4	50.7	59.8	63.8	52.2	43.7	37.4	32.3	28.4	25.2	22.5	18.5	15.4	13.2	11.5	10.0	0	0		
16	1.61	3.67	6.84	12.8	23.9	34.3	44.5	54.3	64.1	70.3	57.5	48.1	41.2	35.7	31.2	27.8	24.8	20.4	17.0	14.5	12.6	11.1	0	0		
17	1.72	3.92	7.31	13.7	25.5	36.6	47.5	58.1	68.4	77.0	63.0	52.8	45.1	39.0	34.3	30.4	27.2	22.3	18.6	16.0	13.8	12.1	0	0		
18	1.82	4.17	7.78	14.5	27.1	39.0	50.6	61.7	72.8	83.5	68.7	57.5	49.1	42.5	37.4	33.1	29.6	24.3	20.4	17.3	15.0	0	0	0		
19	1.93	4.41	8.25	15.4	28.7	41.3	53.5	65.4	77.1	88.6	74.4	62.4	53.2	46.1	40.5	35.9	32.2	26.3	22.0	18.8	16.4	0	0	0		
20	2.05	4.67	8.72	16.2	30.3	43.7	56.6	69.2	81.5	93.6	80.3	67.3	57.5	49.9	43.7	38.8	34.7	28.4	23.9	20.4	17.6	0	0	0		
21	2.16	4.92	9.19	17.2	31.9	46.0	59.7	73.0	86.0	98.7	86.5	72.4	61.8	53.6	47.1	41.7	37.4	30.6	25.6	21.9	18.9	0	0	0		
22	2.27	5.18	9.66	18.0	33.7	48.4	62.8	76.7	90.4	104	92.7	77.6	66.4	57.5	50.4	44.8	40.1	32.7	27.5	23.5	20.4	0	0	0		
23	2.37	5.43	10.1	18.9	35.3	50.8	65.8	80.5	94.8	109	99.1	83.0	70.9	61.4	53.9	47.9	42.8	35.0	29.4	25.1	20.7	0	0	0		
24	2.49	5.69	10.6	19.8	36.9	53.2	68.9	84.2	99.2	114	106	88.5	75.6	65.6	57.5	51.0	45.6	37.4	31.2	26.7	0	0	0	0		
25	2.60	5.94	11.1	20.7	38.6	55.7	72.0	88.1	104	119	112	94.1	80.3	69.6	61.1	54.2	48.5	39.7	33.3	28.4	0	0	0	0		
26	2.72	6.20	11.6	21.6	40.2	58.1	75.1	91.9	108	124	119	99.8	85.3	73.9	64.9	57.5	51.5	42.1	35.3	30.2	0	0	0	0		
28	2.94	6.72	12.5	23.3	43.6	62.9	81.4	99.5	117	134	133	112	95.2	82.6	72.4	64.2	57.5	47.1	39.4	33.7	0	0	0	0		
30	3.16	7.23	13.5	25.2	46.9	67.7	87.7	107.1	126	145	148	124	106	91.6	80.3	71.2	63.8	52.2	43.7	0	0	0	0	0		
32	3.41	7.75	14.5	27.0	50.4	72.5	94.0	115	135	156	162	137	116	101	88.5	78.4	70.3	57.5	48.1	0	0	0	0	0		
35	3.74	8.54	16.0	29.8	55.5	79.9	104	127	149	172	186	156	133	115	101	89.8	80.3	65.7	55.1	0	0	0	0	0		
40	4.33	9.87	18.4	34.3	64.1	92.4	120	146	173	198	224	190	162	141	124	110	98.2	80.3	0	0	0	0	0	0		
Lubri-cation	I					II										III										

Remarks) 1. For HP rating of multiple strand, multiply the HP above by multiple strand factor shown in the table at right.
 2. The operation in right part of the dotted line is not recommended.
 3. The lubrication type is as follows. Type I : Manual & Drip feed, Type II : Oil bath and Disc, Type III : Pump
 4. Dimensions & Ratings are subject to change without notice. Certified dimensions furnished upon request.

Number of Strands	2	3	4	5	6
Multiple Strand Factors	1.7	2.5	3.3	3.9	4.6