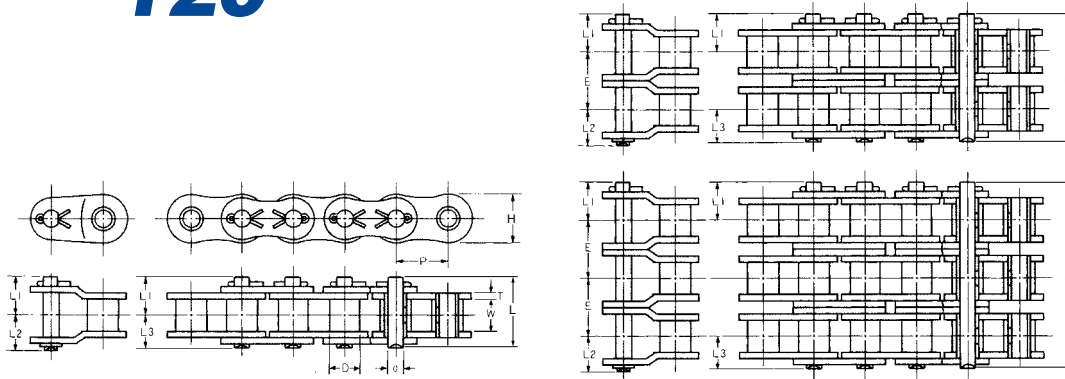


# OCM ANSI ROLLER CHAIN

Chain No. **120** Pitch • 1.500inch / 38.10mm



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				
OCM120	120	1.500	0.876	1.007	1.425	0.189	0.438	2.124	1.119	1.071	0.989	1.789	37,044	7,277	4.135
		38.10	22.23	25.55	36.2	4.8	11.11	53.9	28.4	27.2	25.1	45.4	16,800	3,300	6.2
OCM120-2	120-2	1.500	0.876	1.007	1.425	0.189	0.438	3.897	1.119	1.071	0.989	1.789	74,088	12,370	8.137
		38.10	22.23	25.55	36.2	4.8	11.11	98.9	28.4	27.2	25.1	45.4	33,600	5,610	12.2
OCM120-3	120-3	1.500	0.876	1.007	1.425	0.189	0.438	5.685	1.119	1.071	0.989	1.789	111,132	18,191	12.206
		38.10	22.23	25.55	36.2	4.8	11.11	144.3	28.4	27.2	25.1	45.4	50,400	8,250	18.3
OCM120-4	120-4	1.500	0.876	1.007	1.425	0.189	0.438	7.474	1.119	1.071	0.989	1.789	148,176	24,012	16.342
		38.10	22.23	25.55	36.2	4.8	11.11	189.7	28.4	27.2	25.1	45.4	67,200	10,890	24.5
OCM120-5	120-5	1.500	0.876	1.007	1.425	0.189	0.438	9.263	1.119	1.071	0.989	1.789	185,220	28,378	20.410
		38.10	22.23	25.55	36.2	4.8	11.11	235.1	28.4	27.2	25.1	45.4	84,000	12,870	30.6
OCM120-6	120-6	1.500	0.876	1.007	1.425	0.189	0.438	11.052	1.119	1.071	0.989	1.789	222,264	33,472	24.546
		38.10	22.23	25.55	36.2	4.8	11.11	280.5	28.4	27.2	25.1	45.4	100,800	15,180	36.8

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 (rpm)																								
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
11	1.85	4.22	7.87	14.8	21.2	27.4	39.4	51.1	62.5	58.3	46.4	38.0	31.8	27.1	23.5	20.7	18.4	16.4	14.8	13.4	12.24	11.2	10.4	9.59	0
12	2.04	4.64	8.65	16.1	23.2	30.2	43.3	56.2	68.7	66.5	52.8	43.2	36.2	31.0	26.8	23.5	20.9	18.6	16.9	15.3	13.9	12.8	11.8	10.9	0
13	2.21	5.06	9.43	17.6	25.3	32.9	47.3	61.3	75.0	75.0	59.5	48.7	40.9	34.9	30.2	26.6	23.5	21.1	19.0	17.2	15.7	14.5	13.3	0	0
14	2.40	5.47	10.2	19.0	27.5	35.5	51.2	66.4	81.1	83.8	66.5	54.4	45.6	39.0	33.8	29.6	26.3	23.5	21.2	19.3	17.6	16.1	14.9	0	0
15	2.59	5.90	11.0	20.5	29.6	38.4	55.2	71.5	87.4	92.9	73.8	60.3	50.6	43.2	37.4	32.9	29.1	26.1	23.5	21.3	19.4	17.8	16.5	0	0
16	2.78	6.33	11.8	22.0	31.8	41.0	59.1	76.7	93.7	102	81.3	66.5	55.8	47.6	41.3	36.2	32.2	28.7	25.9	23.5	21.5	19.7	0	0	0
17	2.96	6.75	12.6	23.5	33.9	43.9	63.2	81.8	100	112	89.0	72.8	61.0	52.2	45.2	39.7	35.1	31.5	28.4	25.7	23.5	21.6	0	0	0
18	3.15	7.17	13.4	24.9	36.1	46.7	67.2	87.0	106	122	97.0	79.4	66.5	56.9	49.2	43.2	38.4	34.3	31.0	28.0	25.6	23.5	0	0	0
19	3.34	7.62	14.2	26.6	38.2	49.5	71.2	92.3	113	132	105	86.1	72.1	61.6	53.4	46.8	41.6	37.1	33.5	30.4	27.8	25.5	0	0	0
20	3.53	8.05	15.0	28.0	40.4	52.3	75.4	97.6	119	141	114	92.9	77.9	66.5	57.7	50.6	44.9	40.2	36.2	32.9	30.0	20.4	0	0	0
21	3.71	8.48	15.8	29.5	42.5	55.1	79.4	103	126	148	122	100	83.8	71.6	62.1	54.4	48.3	43.2	39.0	35.4	32.3	0	0	0	0
22	3.92	8.92	16.6	31.1	44.8	57.9	83.5	108	132	156	131	107	89.8	76.7	66.5	58.3	51.8	46.4	41.8	38.0	34.6	0	0	0	0
23	4.10	9.36	17.4	32.6	46.9	60.7	87.6	113	138	164	139	115	96.1	82.1	71.1	62.4	55.4	49.5	44.7	40.5	37.0	0	0	0	0
24	4.29	9.80	18.2	34.1	49.1	63.7	91.7	119	145	172	149	122	102	87.4	75.8	66.5	59.0	52.8	47.6	43.2	28.8	0	0	0	0
25	4.49	10.2	19.0	35.7	51.4	66.5	95.9	124	152	178	158	130	109	92.9	80.6	70.7	62.8	56.2	50.6	46.0	0	0	0	0	0
26	4.68	10.7	20.0	37.1	53.6	69.5	100	130	158	186	169	138	115	98.6	85.4	75.0	66.5	59.5	53.6	48.7	0	0	0	0	0
28	5.07	11.6	21.6	40.4	58.1	75.2	108	141	172	202	188	154	129	110	95.5	83.8	74.3	66.5	59.9	41.4	0	0	0	0	0
30	5.47	12.5	23.2	43.4	62.5	81.0	117	152	185	217	209	170	143	122	106	92.9	82.5	73.8	66.5	0	0	0	0	0	0
32	5.86	13.4	24.9	46.5	67.1	86.9	125	162	198	233	229	188	158	134	117	102	90.8	81.3	59.0	0	0	0	0	0	0
35	6.45	14.8	27.5	51.2	73.9	95.7	138	178	219	257	263	216	181	154	134	117	104	92.9	0	0	0	0	0	0	0
40	7.46	17.0	31.8	59.3	85.3	110	160	207	252	298	322	263	220	188	164	143	112	0	0	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