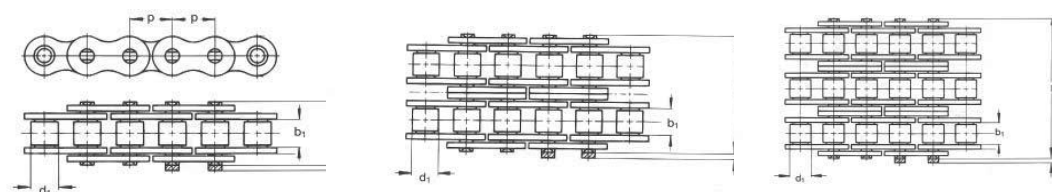


## Standard Metric Roller Chain



### Single Roller Chain

Chain Size	Chain No.	ISO No.	Pitch p	Between Inner Plates $b_1$	Roller Diameter $d_1$	Chain Width* l	C.L. Width Extension k	Weight	Breaking Strength N	Pin Diameter r
								kg/m		
<b>5 x 2.5</b>	02	03B	5.00	2.50	3.20	7.4	2.5	0.08	2,200	1.49
<b>6 x 2.8</b>	12	04B	6.00	2.80	4.00	7.4	2.9	0.15	3,000	1.85
<b>8 x 1/8</b>	22	05B	8.00	3.00	5.00	8.6	3.1	0.18	5,000	2.31
<b>3/8 x 7/32</b>	32*	06B	9.52	5.72	6.35	13.5	3.3	0.41	9,000	3.28
<b>1/2 x 5/16</b>	42	08B	12.70	7.75	8.51	17	3.9	0.70	18,000	4.45
<b>1/2 x 1/8</b>	43	081	12.70	3.30	7.75	10.2	1.5	0.28	8,200	3.66
<b>1/2 x 3/32</b>	45	082	12.70	2.38	7.75	8.2	—	0.26	10,000	3.66
<b>1/2 x 3/16</b>	46	083	12.70	4.88	7.75	12.9	1.5	0.42	12,000	4.09
<b>1/2 x 1/4</b>	47	085	12.70	6.38	7.77	14.0	2.0	0.38	6,800	3.58
<b>1/2 x 1/4</b>	48	085	12.70	6.40	7.75	15.4	1.5	0.62	6,800	3.97
<b>5/8 x 3/8</b>	52	10B	15.87	9.65	10.16	19.6	4.1	0.91	22,400	5.08
<b>3/4 x 7/16</b>	62	12B	19.05	11.68	12.07	22.7	4.6	1.18	29,000	5.72
<b>1 x 17</b>	82	16B	25.40	17.02	15.88	36.1	5.4	2.68	60,000	8.28
<b>1 1/4 x 3/4</b>	102	20B	31.75	19.56	19.05	43.2	6.1	3.50	95,000	10.19
<b>1 1/2 x 1</b>	122	24B	38.10	25.40	25.40	53.4	6.6	6.80	160,000	14.63
<b>1 3/4 x 1 1/4</b>	142	28B	44.45	30.99	27.94	65.1	7.4	8.50	200,000	15.90
<b>2 x 1 1/4</b>	162	32B	50.80	30.99	29.21	67.4	7.9	10.5	250,000	17.81
<b>2 1/2 x 1 1/2</b>	202	40B	63.50	38.10	39.37	82.6	10	16.4	355,000	22.89
<b>3 x 1 3/4</b>	242	48B	76.20	45.72	48.26	99.1	10	25.0	560,000	29.24

### Double Roller Chain

Chain Size	Chain No.	ISO No.	Pitch p	Between Inner Plates $b_1$	Roller Diameter $d_1$	Chain Width* l	C.L. Width Extension k	Weight	Breaking Strength N	Pin Diameter r
								kg/m		
<b>6 x 2.8</b>	2012	04B-2	6.00	2.80	4.00	13.3	2.9	0.23	5,000	1.85
<b>8 x 1/8</b>	2022	05B-2	8.00	3.00	5.00	14.3	3.1	0.36	7,800	2.31
<b>3/8 x 7/32</b>	2032*	06B-2	9.52	5.72	6.35	23.8	3.3	0.78	16,900	3.28
<b>1/2 x 5/16</b>	2042	08B-2	12.70	7.75	8.51	31	3.9	1.36	32,000	4.45
<b>5/8 x 3/8</b>	2052	10B-2	15.87	9.65	10.16	36.2	4.1	1.82	44,500	5.08
<b>3/4 x 7/16</b>	2062	12B-2	19.05	11.68	12.07	42.2	4.6	2.38	57,800	5.72
<b>1 x 17</b>	2082	16B-2	25.40	17.02	15.88	68	5.4	5.30	106,000	8.28
<b>1 1/4 x 3/4</b>	2102	20B-2	31.75	19.56	19.05	79	6.1	7.30	170,000	10.19
<b>1 1/2 x 1</b>	2122	24B-2	38.10	25.40	25.40	101	6.6	13.4	280,000	14.63
<b>1 3/4 x 1 1/4</b>	2142	28B-2	44.45	30.99	27.94	124	7.4	16.6	360,000	15.90
<b>2 x 1 1/4</b>	2162	32B-2	50.80	30.99	29.21	126	7.9	21.0	450,000	17.81
<b>2 1/2 x 1 1/2</b>	2202	40B-2	63.50	38.10	39.37	154	10	32.6	630,000	22.89
<b>3 x 1 3/4</b>	2242	48B-2	76.20	45.72	48.26	190	10	50.0	1,000,000	29.24

### Triple Roller Chain

Chain Size	Chain No.	ISO No.	Pitch p	Between Inner Plates b.	Roller Diameter d <sub>r</sub>	Chain Width* l	C.L. Width Extension k	Weight	Breaking Strength N	Pin Diameter r
								kg/m		
<b>8 x 1/8</b>	3022	05B-3	8.00	3.00	5.00	19.9	3.1	0.54	10,200	2.31
<b>3/8 x 7/32</b>	3032*	06B-3	9.52	5.72	6.35	34	3.3	1.18	23,600	3.28
<b>1/2 x 5/16</b>	3042	08B-3	12.70	7.75	8.51	44.9	3.9	2.01	47,500	4.45
<b>5/8 x 3/8</b>	3052	10B-3	15.87	9.65	10.16	52.8	4.1	2.70	66,700	5.08
<b>3/4 x 7/16</b>	3062	12B-3	19.05	11.68	12.07	61.7	4.6	3.12	86,700	5.72
<b>1 x 17</b>	3082	16B-3	25.40	17.02	15.88	99.9	5.4	7.50	160,000	8.28
<b>1¼ x 3/4</b>	3102	20B-3	31.75	19.56	19.05	116	6.1	10.6	250,000	10.19
<b>1½ x 1</b>	3122	24B-3	38.10	25.40	25.40	150	6.6	20.0	425,000	14.63
<b>1¾ x 1¼</b>	3142	28B-3	44.45	30.99	27.94	184	7.4	25.0	530,000	15.90
<b>2 x 1¼</b>	3162	32B-3	50.80	30.99	29.21	184	7.9	32.0	670,000	17.81
<b>2½ x 1½</b>	3202	40B-3	63.50	38.10	39.37	227	10	48.7	950,000	22.89
<b>3 x 1¾</b>	3242	48B-3	76.20	45.72	48.26	281	10	75.0	1,500,000	29.24

Note: \*= straight side bar construction

Roller Link or Inner Link - Used for replacement of damaged rollers.

Offset Link - Used to assemble chain strands when an odd number of pitches is desired.

Inner Link (Link)

Outer Link (Riveted Conn.)

Conn. Link with Spring Clip

Conn. Link with Cotter Pins

Half Link with Cotter Pin

Offset Link

Connector Link - Used to assemble chain strands when an even number of pitches is desired.

