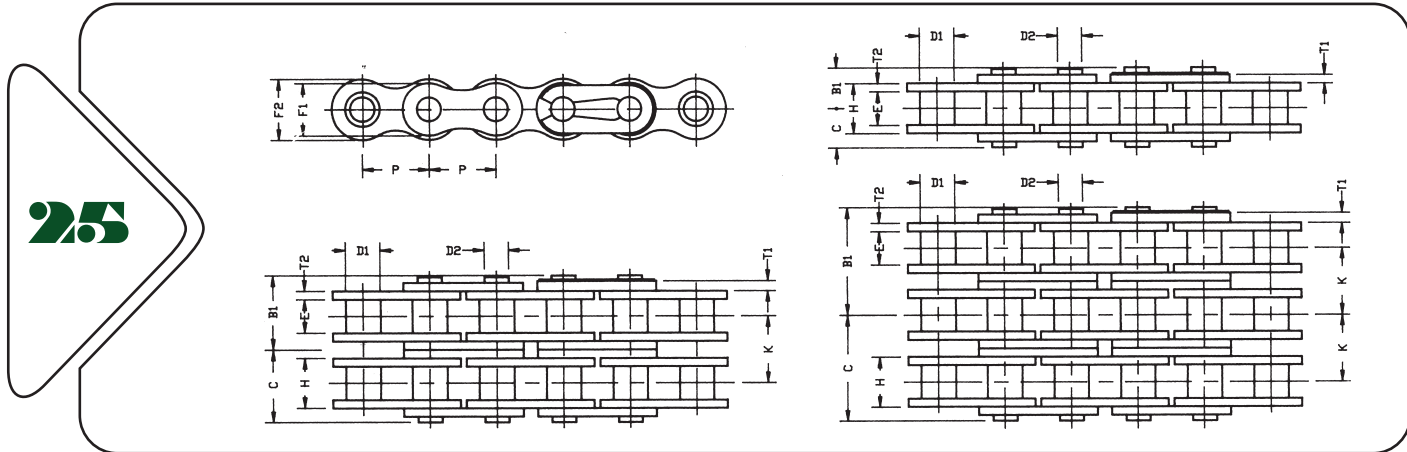




ANSI STANDARD ROLLER CHAIN



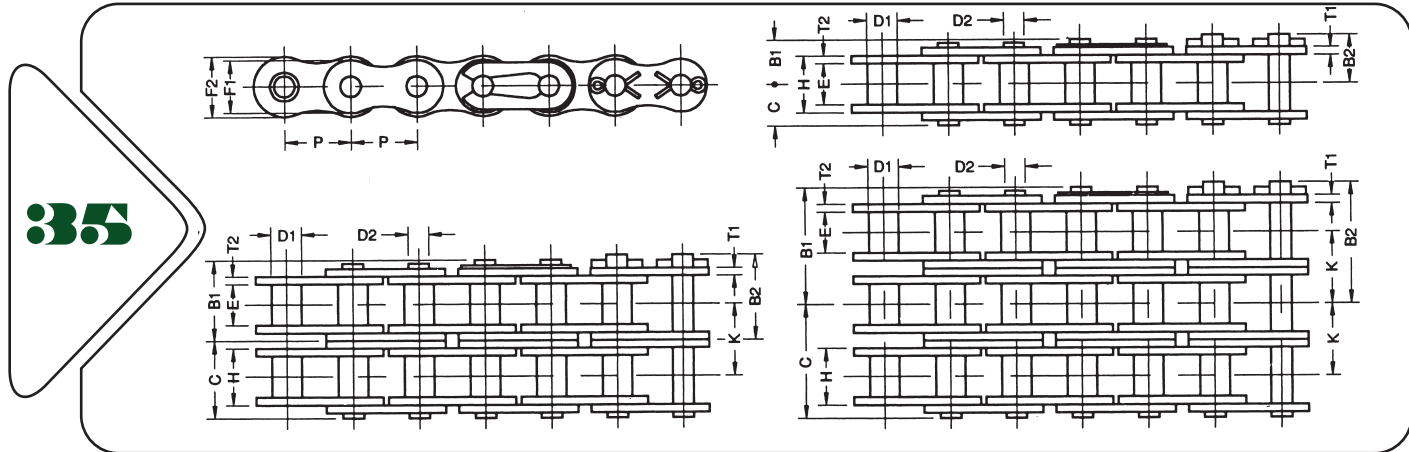
ANSI Chain No.	Pitch x Width		Bush	Pin			Links					Transverse Pitch K	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm		D1 mm	C mm	B1 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm			
25	1/4x1/8	6.35x3.18	3.30	3.91	4.71	2.32	0.76	0.76	4.80	5.01	5.81	-	420	0.13
25-2	1/4x1/8	6.35x3.18	3.30	7.11	7.91	2.32	0.76	0.76	4.80	5.01	5.81	6.40	840	0.25
25-3	1/4x1/8	6.35x3.18	3.30	10.53	11.33	2.32	0.76	0.76	4.80	5.01	5.81	6.40	1260	0.37

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																								
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
9	0.02	0.04	0.12	0.18	0.25	0.31	0.41	0.50	0.58	0.67	0.79	0.93	1.06	1.02	0.86	0.73	0.63	0.56	0.49	0.44	0.40	0.36	0.33	0.30	0.26
10	0.03	0.05	0.13	0.21	0.28	0.35	0.45	0.56	0.65	0.75	0.88	1.04	1.19	1.20	1.00	0.86	0.74	0.65	0.58	0.52	0.47	0.42	0.39	0.35	0.30
11	0.03	0.05	0.14	0.23	0.31	0.39	0.50	0.62	0.73	0.83	0.98	1.15	1.32	1.38	1.16	0.99	0.86	0.75	0.67	0.60	0.54	0.49	0.45	0.41	0.35
12	0.08	0.06	0.16	0.25	0.34	0.43	0.55	0.68	0.80	0.92	1.07	1.26	1.45	1.57	1.32	1.12	0.97	0.86	0.76	0.68	0.61	0.56	0.51	0.47	0.40
13	0.04	0.06	0.17	0.27	0.37	0.47	0.60	0.74	0.87	1.00	1.17	1.38	1.58	1.77	1.49	1.27	1.10	0.96	0.86	0.77	0.69	0.63	0.57	0.53	0.45
14	0.04	0.07	0.19	0.30	0.40	0.50	0.65	0.80	0.94	1.08	1.27	1.49	1.71	1.93	1.66	1.42	1.23	1.08	0.96	0.86	0.77	0.70	0.64	0.59	0.50
15	0.04	0.08	0.20	0.32	0.43	0.54	0.70	0.86	1.01	1.17	1.36	1.61	1.85	2.08	1.84	1.57	1.36	1.20	1.06	0.95	0.86	0.78	0.71	0.65	0.56
16	0.04	0.08	0.22	0.34	0.47	0.58	0.76	0.92	1.09	1.25	1.46	1.72	1.98	2.33	2.03	1.73	1.50	1.32	1.17	1.05	0.94	0.86	0.78	0.72	0.61
17	0.05	0.09	0.23	0.37	0.50	0.62	0.81	0.99	1.16	1.33	1.56	1.84	2.11	2.38	2.22	1.90	1.64	1.44	1.28	1.14	1.03	0.94	0.86	0.79	0.67
18	0.05	0.09	0.25	0.39	0.53	0.60	0.86	1.05	1.24	1.42	1.66	1.96	2.25	2.53	2.42	2.07	1.79	1.57	1.39	1.25	1.12	1.02	0.93	0.86	0.73
19	0.05	0.10	0.26	0.41	0.56	0.70	0.91	1.11	1.31	1.50	1.76	2.07	2.38	2.69	2.62	2.24	1.94	1.70	1.51	1.35	1.22	1.11	1.01	0.93	0.79
20	0.06	0.10	0.28	0.44	0.59	0.74	0.96	1.17	1.38	1.59	1.86	2.19	2.52	2.84	2.83	2.42	2.10	1.84	1.63	1.46	1.32	1.20	1.09	1.00	0.86
21	0.06	0.11	0.29	0.46	0.62	0.78	1.01	1.24	1.46	1.68	1.96	2.31	2.66	2.99	3.05	2.60	2.26	1.98	1.76	1.57	1.42	1.29	1.17	1.08	0.92
22	0.06	0.11	0.31	0.48	0.66	0.82	1.07	1.30	1.53	1.76	2.06	2.43	2.79	3.15	3.27	2.79	2.42	2.12	1.88	1.69	1.52	1.39	1.26	1.16	0.99
23	0.06	0.12	0.32	0.51	0.69	0.86	1.12	1.37	1.61	1.85	2.16	2.55	2.93	3.30	3.50	2.98	2.55	2.27	2.01	1.80	1.62	1.47	1.35	1.24	1.06
24	0.07	0.13	0.34	0.53	0.72	0.90	1.17	1.43	1.69	1.94	2.27	2.67	3.07	3.46	3.73	3.18	2.76	2.42	2.15	1.92	1.73	1.57	1.44	1.32	1.12
25	0.07	0.13	0.35	0.56	0.75	0.94	1.22	1.50	1.76	2.02	2.37	2.79	3.21	3.61	3.96	3.38	2.93	2.57	2.28	2.04	1.84	1.67	1.53	1.40	1.20
26	0.07	0.14	0.37	0.58	0.79	0.98	1.28	1.56	1.84	2.11	2.47	2.91	3.34	3.77	4.19	3.59	3.11	2.73	2.42	2.17	1.95	1.77	1.62	1.49	1.27
28	0.08	0.15	0.40	0.63	0.85	1.07	1.38	1.69	1.99	2.29	2.68	3.15	3.62	4.09	4.54	4.01	3.47	3.05	2.70	2.42	2.18	1.98	1.81	1.66	1.42
30	0.08	0.16	0.43	0.68	0.92	1.15	1.49	1.82	2.15	2.46	2.88	3.40	3.90	4.44	4.89	4.05	3.85	3.38	3.00	2.68	2.42	2.20	2.01	1.84	1.57
32	0.09	0.17	0.46	0.73	0.98	1.23	1.60	1.95	2.30	2.64	3.09	3.64	4.18	4.72	5.25	4.90	4.25	3.73	3.30	2.96	2.67	2.42	2.21	2.03	1.73
35	0.10	0.19	0.51	0.80	1.08	1.36	1.76	2.15	2.53	2.91	3.41	4.01	4.61	5.20	5.78	5.60	4.86	4.26	3.78	3.38	3.05	2.77	2.53	2.32	1.98
40	0.12	0.22	0.58	0.92	1.25	1.57	2.03	2.48	2.93	3.36	3.93	4.64	5.32	6.00	6.68	6.85	5.93	5.21	4.62	4.13	3.73	3.38	3.09	2.83	2.42
45	0.13	0.25	0.66	1.05	1.42	1.78	2.31	2.82	3.32	3.83	4.47	5.26	6.05	6.82	7.58	8.17	7.08	6.21	5.51	4.93	4.45	4.03	3.69	3.38	2.89
Lubri-cation	Type A						Type B						Type C												
	TYPE A LUBRICATION - MANUAL OR DRIP												Ratings shown are for standard steel chain.												
	TYPE B LUBRICATION - OIL BATH OR SLINGER																								
	TYPE C LUBRICATION - OIL PUMP																								
	See lubrication instructions on page 29.																								



ANSI STANDARD ROLLER CHAIN



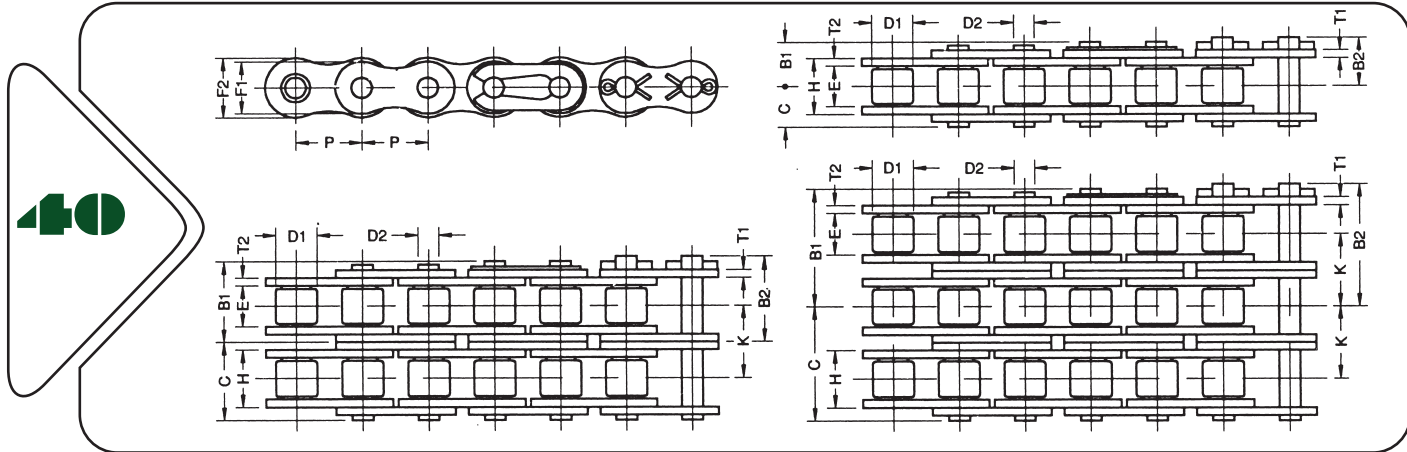
ANSI Chain No.	Pitch x Width		Bush	Pin				Links					Transverse Pitch K	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm		D1 mm	C mm	B1 mm	B2 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm			
35	3/8 x 3/16	9.525 x 4.78	5.08	5.89	6.46	6.79	3.59	1.28	1.28	7.46	7.80	9.04	-	1050	0.32
35-2	3/8 x 3/16	9.525 x 4.78	5.08	11.21	11.91	12.61	3.59	1.28	1.28	7.46	7.80	9.04	10.13	2100	0.63
35-3	3/8 x 3/16	9.525 x 4.78	5.08	16.09	17.19	17.89	3.59	1.28	1.28	7.46	7.80	9.04	10.13	3150	0.94
35-4	3/8 x 3/16	9.525 x 4.78	5.08	21.09	22.29	22.99	3.59	1.28	1.28	7.46	7.80	9.04	10.13	4200	1.25

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																								
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
9	0.08	0.15	0.39	0.62	0.84	1.06	1.37	1.68	1.98	2.27	2.65	2.17	1.73	1.41	1.18	1.03	0.88	0.77	0.68	0.61	0.55	0.50	0.46	0.42	0.36
10	0.09	0.16	0.44	0.70	0.95	1.19	1.54	1.88	2.21	2.54	2.97	2.55	2.02	1.65	1.39	1.18	1.03	0.90	0.80	0.71	0.64	0.58	0.53	0.49	0.42
11	0.10	0.18	0.49	0.77	1.05	1.31	1.70	2.08	2.45	2.82	3.30	2.94	2.33	1.91	1.60	1.37	1.18	1.04	0.92	0.82	0.74	0.67	0.62	0.57	0.48
12	0.11	0.20	0.54	0.85	1.15	1.44	1.87	2.29	2.70	3.10	3.62	3.35	2.66	2.17	1.82	1.56	1.35	1.18	1.05	0.94	0.85	0.77	0.70	0.64	0.55
13	0.12	0.22	0.59	0.93	1.26	1.57	2.04	2.49	2.94	3.38	3.95	3.77	3.00	2.45	2.05	1.75	1.52	1.33	1.18	1.06	0.95	0.87	0.79	0.73	0.62
14	0.13	0.24	0.63	1.01	1.36	1.71	2.21	2.70	3.18	3.66	4.28	4.22	3.35	2.74	2.30	1.96	1.70	1.49	1.32	1.18	1.07	0.97	0.88	0.81	0.69
15	0.14	0.25	0.68	1.08	1.47	1.84	2.38	2.91	3.43	3.94	4.61	4.68	3.71	3.04	2.55	2.17	1.88	1.65	1.47	1.31	1.18	1.07	0.98	0.90	0.77
16	0.15	0.27	0.73	1.16	1.57	1.97	2.55	3.12	3.68	4.22	4.94	5.15	4.09	3.35	2.81	2.40	2.08	1.82	1.62	1.45	1.30	1.18	1.08	0.99	0.85
17	0.16	0.29	0.78	1.24	1.68	2.10	2.73	3.33	3.93	4.51	5.28	5.64	4.48	3.67	3.07	2.62	2.27	2.00	1.77	1.58	1.43	1.30	1.18	1.09	0.93
18	0.17	0.31	0.83	1.32	1.78	2.24	2.90	3.54	4.18	4.80	5.61	6.15	4.88	3.99	3.35	2.86	2.48	2.17	1.93	1.73	1.56	1.41	1.29	1.18	1.01
19	0.18	0.33	0.88	1.40	1.89	2.37	3.07	3.76	4.43	5.09	5.95	6.67	5.29	4.33	3.63	3.10	2.69	2.36	2.09	1.87	1.69	1.53	1.40	1.28	1.10
20	0.19	0.35	0.93	1.48	2.00	2.51	3.25	3.97	4.68	5.38	6.29	7.20	5.72	4.68	3.92	3.35	2.90	2.55	2.26	2.02	1.82	1.65	1.51	1.39	1.18
21	0.20	0.37	0.98	1.56	2.11	2.64	3.42	4.19	4.93	5.67	6.63	7.75	6.15	5.03	4.22	3.60	3.12	2.74	2.43	2.17	1.96	1.78	1.62	1.49	1.27
22	0.21	0.38	1.03	1.64	2.22	2.78	3.60	4.40	5.19	5.96	6.97	8.21	6.59	5.40	4.52	3.86	3.35	2.94	2.61	2.33	2.10	1.91	1.74	1.60	1.37
23	0.22	0.40	1.08	1.72	2.33	2.92	3.78	4.62	5.44	6.25	7.31	8.62	7.05	5.77	4.83	4.13	3.58	3.14	2.79	2.49	2.25	2.04	1.86	1.71	1.46
24	0.23	0.42	1.14	1.80	2.44	3.05	3.96	4.84	5.70	6.55	7.66	9.02	7.51	6.15	5.15	4.40	3.81	3.35	2.97	2.66	2.40	2.17	1.99	1.82	1.56
25	0.24	0.44	1.19	1.88	2.55	3.19	4.13	5.05	5.95	6.84	8.00	9.43	7.99	6.54	5.48	4.68	4.05	3.56	3.16	2.82	2.55	2.31	2.11	1.94	1.65
26	0.25	0.46	1.24	1.96	2.66	3.33	4.31	5.27	6.21	7.14	8.35	9.84	8.47	6.93	5.81	4.96	4.30	3.77	3.35	3.00	2.70	2.45	2.24	2.05	1.75
28	0.27	0.50	1.34	2.12	2.88	3.61	4.67	5.71	6.73	7.73	9.05	10.7	9.47	7.75	6.49	5.55	4.81	4.22	3.74	3.35	3.02	2.74	2.50	2.30	1.96
30	0.29	0.54	1.45	2.29	3.10	3.89	5.03	6.15	7.25	8.33	9.74	11.5	10.5	8.59	7.20	6.15	5.33	4.68	4.15	3.71	3.35	3.04	2.77	2.55	2.17
32	0.31	0.58	1.55	2.45	3.32	4.17	5.40	6.60	7.77	8.93	10.4	12.3	11.6	9.47	7.93	6.77	5.87	5.15	4.57	4.09	3.69	3.35	3.06	2.81	0
35	0.34	0.64	1.71	2.70	3.66	4.59	5.95	7.27	8.56	9.84	11.5	13.6	13.2	10.8	9.08	7.75	6.72	5.90	5.23	4.68	4.22	3.83	3.50	3.21	0
40	0.39	0.73	1.97	3.12	4.23	5.30	6.87	8.40	9.89	11.4	13.3	15.7	16.2	13.2	11.1	9.47	8.21	7.20	6.39	5.72	5.15	4.68	0	0	0
45	0.45	0.83	2.24	3.55	4.80	6.02	7.80	9.53	11.2	12.9	15.1	17.8	19.3	15.8	13.2	11.3	9.79	8.59	7.62	6.82	0	0	0	0	0
Lubri- cation	Type A			Type B										Type C											
TYPE A LUBRICATION - MANUAL OR DRIP														Ratings shown are for standard steel chain.											
TYPE B LUBRICATION - OIL BATH OR SLINGER																									
TYPE C LUBRICATION - OIL PUMP																									
See Lubrication instructions on page 29.																									



ANSI STANDARD ROLLER CHAIN



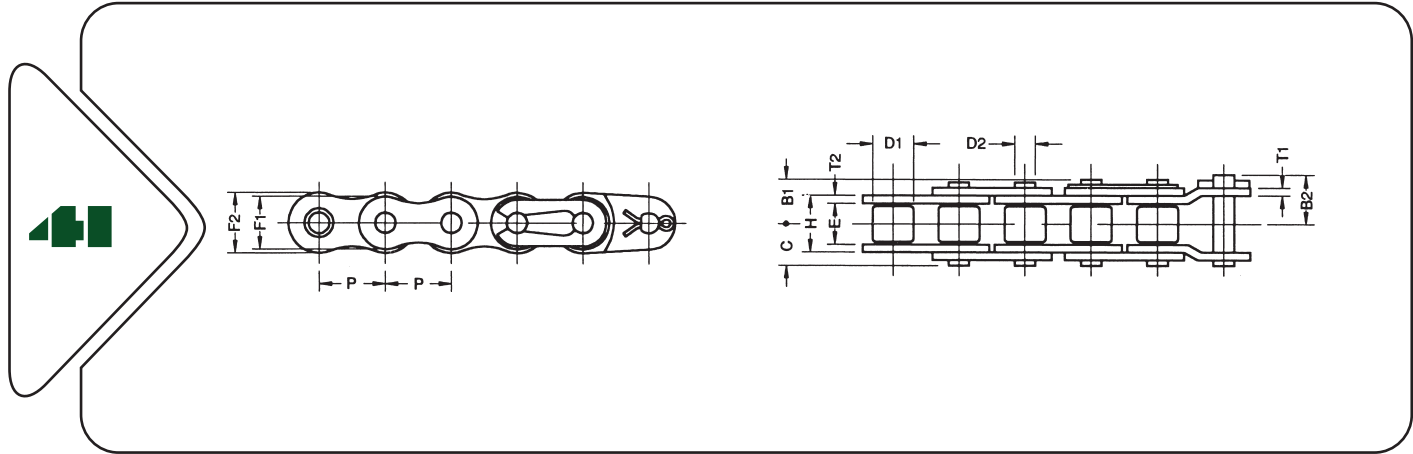
ANSI Chain No.	Pitch x Width		Roller		Pin			Links					Transverse Pitch K	Avg. Ult. Tensile Strength kgf	Approx. Weight kg/m
	P	E	D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
40	1/2 x 5/16	12.70 x 7.92	7.92	8.22	10.32	10.32	3.98	1.49	1.49	11.17	10.41	12.06	-	1830	0.62
40-2	1/2 x 5/16	12.70 x 7.92	7.92	15.45	17.53	17.53	3.98	1.49	1.49	11.17	10.41	12.06	14.38	3660	1.22
40-3	1/2 x 5/16	12.70 x 7.92	7.92	22.60	24.76	24.76	3.98	1.49	1.49	11.17	10.41	12.06	14.38	5490	1.82
40-4	1/2 x 5/16	12.70 x 7.92	7.92	29.60	32.24	32.20	3.98	1.49	1.49	11.17	10.41	12.06	14.38	7320	2.43

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																								
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	5000	6000	7000	8000
9	0.04	0.10	0.19	0.35	0.65	0.93	1.21	1.48	2.00	2.51	2.75	3.25	3.73	4.12	3.45	2.74	2.24	1.88	1.60	1.27	1.04	0.75	0.57	0.45	0.37
10	0.05	0.11	0.21	0.39	0.73	1.04	1.35	1.65	2.24	2.81	3.09	3.64	4.18	4.71	4.04	3.21	2.63	2.20	1.88	1.49	1.22	0.87	0.66	0.53	0.43
11	0.05	0.12	0.23	0.43	0.80	1.16	1.50	1.83	2.48	3.11	3.42	4.03	4.63	5.22	4.66	3.70	3.03	2.54	2.17	1.72	1.41	1.01	0.77	0.61	0.50
12	0.06	0.14	0.25	0.47	0.88	1.27	1.65	2.01	2.73	3.42	3.76	4.43	5.09	5.74	5.31	4.22	3.45	2.89	2.47	1.96	1.60	1.15	0.87	0.69	0.57
13	0.06	0.15	0.28	0.52	0.96	1.39	1.80	2.20	2.97	3.73	4.10	4.83	5.55	6.26	5.99	4.76	3.89	3.26	2.79	2.21	1.81	1.29	0.98	0.78	0.64
14	0.07	0.16	0.30	0.56	1.04	1.50	1.95	2.38	3.22	4.04	4.44	5.23	6.01	6.78	6.70	5.31	4.35	3.65	3.11	2.47	2.02	1.45	1.10	0.87	0.71
15	0.07	0.17	0.32	0.62	1.12	1.62	2.10	2.56	3.47	4.35	4.78	5.64	6.47	7.30	7.43	5.89	4.82	4.04	3.45	2.74	2.24	1.60	1.22	0.97	0.79
16	0.08	0.19	0.35	0.65	1.20	1.74	2.25	2.75	3.72	4.66	5.18	6.04	6.94	7.83	8.13	6.49	5.31	4.45	3.80	3.02	2.47	1.77	1.34	1.07	0.87
17	0.08	0.20	0.37	0.69	1.29	1.85	2.40	2.93	3.97	4.98	5.48	6.45	7.41	8.36	8.96	7.11	5.82	4.88	4.17	3.31	2.71	1.94	1.47	1.17	0.96
18	0.09	0.21	0.39	0.73	1.37	1.97	2.55	3.12	4.22	5.30	5.82	6.86	7.88	8.89	9.76	7.75	6.34	5.31	4.54	3.60	2.95	2.11	1.60	1.27	0
19	0.09	0.22	0.42	0.78	1.45	2.09	2.71	3.31	4.48	5.62	6.17	7.27	8.36	9.42	10.5	8.40	6.88	5.76	4.92	3.91	3.20	2.29	1.74	1.38	0
20	0.10	0.24	0.44	0.82	1.53	2.21	2.86	3.50	4.73	5.94	6.53	7.69	8.83	9.96	11.1	9.07	7.43	6.22	5.31	4.22	3.45	2.47	1.88	1.49	0
21	0.11	0.25	0.46	0.87	1.62	2.33	3.02	3.69	4.99	6.26	6.88	8.11	9.31	10.5	11.7	9.76	7.99	6.70	5.72	4.54	3.71	2.66	2.02	1.60	0
22	0.11	0.26	0.49	0.91	1.70	2.45	3.17	3.88	5.25	6.58	7.23	8.52	9.79	11.0	12.3	10.5	8.57	7.18	6.13	4.87	3.98	2.85	2.17	1.72	0
23	0.12	0.27	0.51	0.96	1.78	2.57	3.33	4.07	5.51	6.90	7.59	8.94	10.3	11.6	12.9	11.2	9.16	7.68	6.55	5.20	4.26	3.05	2.32	1.84	0
24	0.13	0.29	0.54	1.00	1.87	2.69	3.48	4.26	5.76	7.23	7.95	9.36	10.8	12.1	13.5	11.9	9.76	8.18	6.99	5.54	4.54	3.25	2.47	1.96	0
25	0.13	0.30	0.56	1.05	1.95	2.81	3.64	4.45	6.02	7.55	8.30	9.78	11.2	12.7	14.1	12.7	10.4	8.70	7.43	5.89	4.82	3.45	2.63	0	0
26	0.14	0.31	0.58	1.09	2.04	2.93	3.80	4.64	6.28	7.88	8.66	10.2	11.7	13.2	14.7	13.5	11.0	9.23	7.88	6.25	5.12	3.66	2.79	0	0
28	0.15	0.34	0.63	1.18	2.20	3.18	4.11	5.03	6.81	8.54	9.39	11.1	12.7	14.3	15.9	15.0	12.3	10.3	8.80	6.99	5.72	4.09	3.11	0	0
30	0.16	0.37	0.68	1.27	2.38	3.42	4.43	5.42	7.33	9.20	10.1	11.9	13.7	15.4	17.2	16.7	13.6	11.4	9.76	7.75	6.34	4.54	3.45	0	0
32	0.17	0.39	0.73	1.36	2.55	3.67	4.75	5.81	7.86	9.86	10.8	12.8	14.7	16.5	18.4	18.4	15.0	12.6	10.8	8.54	6.99	5.00	0	0	0
35	0.19	0.43	0.81	1.50	2.81	4.04	5.24	6.40	8.66	10.9	11.9	14.1	16.2	18.2	20.3	21.0	17.2	14.4	12.3	9.76	7.99	5.72	0	0	0
40	0.22	0.50	0.93	1.74	3.24	4.67	6.05	7.39	10.0	12.5	13.8	16.3	18.7	21.2	23.4	25.7	21.0	17.6	15.0	11.9	9.76	6.99	0	0	0
45	0.25	0.57	1.06	1.97	3.68	5.30	6.87	8.40	11.4	14.2	15.7	18.5	21.2	23.9	26.6	30.5	25.1	21.0	17.9	14.2	11.7	0	0	0	0
Lubri- cation	Type A						Type B						Type C												
TYPE A LUBRICATION - MANUAL OR DRIP													Ratings shown are for standard steel chain.												
TYPE B LUBRICATION - OIL BATH OR SLINGER																									
TYPE C LUBRICATION - OIL PUMP																									
See Lubrication instructions on page 29.																									



ANSI STANDARD ROLLER CHAIN



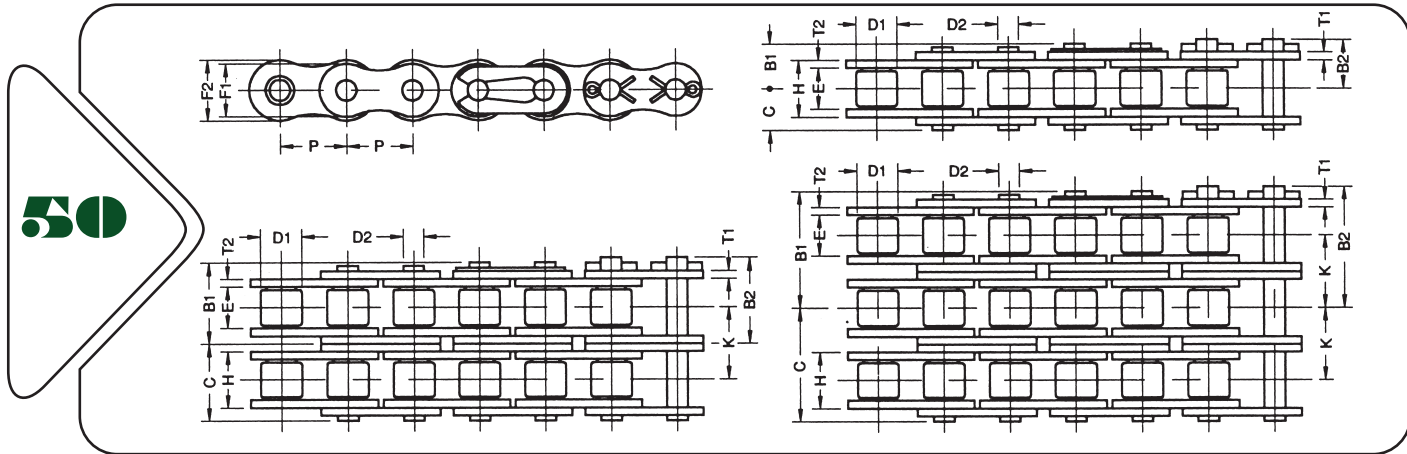
ANSI Chain No.	Pitch x Width		Roller D1	Pin				Links					Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm		C mm	B1 mm	B2 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm	F2 mm		
41	1/2 x 1/4	12.70 x 6.35	7.77	6.69	8.49	8.49	3.59	1.28	1.28	9.06	8.50	9.90	1250	0.41

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																				7000	8000			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500			4000	5000	6000
9	0.02	0.05	0.10	0.19	0.36	0.51	0.66	0.81	1.10	1.38	1.52	1.27	1.01	0.82	0.69	0.55	0.45	0.38	0.32	0.25	0.21	0.15	0.11	0.09	0.07
10	0.03	0.06	0.11	0.21	0.40	0.57	0.74	0.91	1.23	1.54	1.70	1.49	1.18	0.96	0.81	0.64	0.53	0.44	0.38	0.30	0.24	0.17	0.13	0.11	0.08
11	0.03	0.07	0.13	0.24	0.44	0.64	0.82	1.01	1.37	1.71	1.88	1.71	1.36	1.11	0.93	0.74	0.61	0.51	0.43	0.34	0.28	0.20	0.15	0.12	0.10
12	0.03	0.07	0.14	0.26	0.49	0.70	0.91	1.11	1.50	1.88	2.07	1.95	1.55	1.27	1.06	0.84	0.69	0.58	0.49	0.39	0.32	0.23	0.17	0.14	0.11
13	0.04	0.08	0.15	0.28	0.53	0.76	0.99	1.21	1.63	2.05	2.25	2.20	1.75	1.43	1.20	0.95	0.78	0.65	0.56	0.44	0.36	0.26	0.20	0.16	0.13
14	0.04	0.09	0.16	0.31	0.57	0.83	1.07	1.31	1.77	2.22	2.44	2.46	1.95	1.60	1.34	1.06	0.87	0.73	0.62	0.49	0.40	0.29	0.22	0.17	0.14
15	0.04	0.09	0.18	0.33	0.62	0.89	1.15	1.41	1.91	2.39	2.63	2.73	2.17	1.77	1.49	1.18	0.96	0.81	0.69	0.55	0.45	0.32	0.24	0.19	0.16
16	0.04	0.10	0.19	0.36	0.66	0.95	1.24	1.51	2.05	2.57	2.82	3.01	2.39	1.95	1.64	1.30	1.06	0.89	0.76	0.60	0.49	0.35	0.27	0.21	0.17
17	0.05	0.11	0.20	0.38	0.71	1.02	1.32	1.61	2.18	2.74	3.01	3.29	2.61	2.14	1.79	1.42	1.16	0.98	0.83	0.66	0.54	0.39	0.29	0.23	0.19
18	0.05	0.12	0.22	0.40	0.75	1.08	1.40	1.72	2.32	2.91	3.20	3.59	2.85	2.33	1.95	1.55	1.27	1.06	0.91	0.72	0.59	0.42	0.32	0.25	0
19	0.05	0.12	0.23	0.43	0.80	1.15	1.49	1.82	2.46	3.09	3.40	3.89	3.09	2.53	2.12	1.68	1.38	1.15	0.98	0.78	0.64	0.46	0.35	0.28	0
20	0.06	0.13	0.24	0.45	0.84	1.21	1.57	1.92	2.60	3.26	3.59	4.20	3.33	2.73	2.29	1.81	1.49	1.24	1.06	0.84	0.69	0.49	0.38	0.30	0
21	0.06	0.14	0.26	0.48	0.89	1.28	1.66	2.03	2.74	3.44	3.78	4.46	3.59	2.94	2.46	1.95	1.60	1.34	1.14	0.91	0.74	0.53	0.40	0.32	0
22	0.06	0.14	0.27	0.50	0.93	1.35	1.74	2.13	2.89	3.62	3.98	4.69	3.89	3.15	2.64	2.09	1.71	1.44	1.23	0.97	0.80	0.57	0.43	0.34	0
23	0.06	0.15	0.28	0.53	0.98	1.41	1.83	2.24	3.03	3.80	4.17	4.92	4.11	3.37	2.82	2.24	1.83	1.54	1.31	1.04	0.85	0.61	0.46	0.37	0
24	0.07	0.16	0.29	0.55	1.03	1.48	1.92	2.34	3.17	3.97	4.37	5.15	4.38	3.59	3.01	2.39	1.95	1.64	1.40	1.11	0.91	0.65	0.49	0.39	0
25	0.07	0.17	0.31	0.57	1.07	1.55	2.00	2.45	3.31	4.15	4.57	5.38	4.66	3.81	3.20	2.54	2.08	1.74	1.49	1.18	0.96	0.69	0.53	0	
26	0.07	0.17	0.32	0.60	1.12	1.61	2.09	2.55	3.46	4.33	4.76	5.61	4.94	4.05	3.39	2.69	2.20	1.85	1.58	1.25	1.02	0.73	0.56	0	
28	0.08	0.19	0.35	0.65	1.21	1.75	2.26	2.77	3.74	4.69	5.16	6.08	5.52	4.52	3.79	3.01	2.46	2.06	1.76	1.40	1.14	0.82	0.62	0	
30	0.08	0.20	0.38	0.70	1.31	1.88	2.44	2.98	4.03	5.06	5.56	6.55	6.13	5.01	4.20	3.33	2.73	2.29	1.95	1.55	1.27	0.91	0.69	0	
32	0.09	0.22	0.40	0.75	1.40	2.02	2.61	3.20	4.33	5.42	5.92	7.03	6.75	5.52	4.63	3.67	3.01	2.52	2.15	1.71	1.40	1.00	0	0	
35	0.10	0.24	0.44	0.83	1.54	2.22	2.88	3.52	4.76	5.97	6.57	7.74	7.72	6.32	5.29	4.20	3.44	2.88	2.46	1.95	1.60	1.14	0	0	
40	0.12	0.27	0.51	0.96	1.78	2.57	3.33	4.07	5.50	6.90	7.59	8.94	9.43	7.72	6.47	5.13	4.20	3.52	3.01	2.39	1.95	1.40	0	0	
45	0.14	0.31	0.58	1.08	2.02	2.92	3.78	4.62	6.25	7.84	8.74	10.2	11.3	9.21	7.72	6.13	5.01	4.20	3.59	2.85	2.33	0	0	0	
Lubri- cation	Type A				Type B								Type C												
TYPE A LUBRICATION - MANUAL OR DRIP													Ratings shown are for standard steel chain.												
TYPE B LUBRICATION - OIL BATH OR SLINGER																									
TYPE C LUBRICATION - OIL PUMP																									
See Lubrication instructions on page 29.																									



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller	Pin				Links					Transverse Pitch	Avg. Ult. Tensile Strength	Approx. Weight		
	P	x		E	D1	C	B1	B2	D2	T1	T2	H				F1	F2
	inch		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
50	5/8 x 3/8		15.875 x 9.52	10.16	10.15	12.40	12.40	5.09	2.01	2.01	13.84	13.01	15.08	-	3000	1.01	
50-2	5/8 x 3/8		15.875 x 9.52	10.16	19.18	21.54	21.58	5.09	2.01	2.01	13.84	13.01	15.08	18.11	6000	2.00	
50-3	5/8 x 3/8		15.875 x 9.52	10.16	28.28	30.65	31.03	5.09	2.01	2.01	13.84	13.01	15.08	18.11	9000	2.98	
50-4	5/8 x 3/8		15.875 x 9.52	10.16	37.68	39.36	39.78	5.09	2.01	2.01	13.84	13.01	15.08	18.11	12000	3.98	
50-6	5/8 x 3/8		15.875 x 9.52	10.16	55.55	57.71	57.71	5.09	2.01	2.01	13.84	13.01	15.08	18.11	17415	6.03	

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																				5000	6000	7000	8000	
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500					4000
9	0.09	0.19	0.36	0.67	1.26	1.81	2.35	2.87	3.89	4.88	5.36	6.32	6.02	4.92	4.13	3.27	2.68	2.25	1.92	1.52	1.25	1.01	0.89	0.77	0.68
10	0.10	0.22	0.41	0.76	1.41	2.03	2.63	3.22	4.36	5.46	6.01	7.08	7.05	5.77	4.83	3.84	3.14	2.63	2.25	1.78	1.46	1.22	1.04	0.90	0.79
11	0.12	0.24	0.45	0.84	1.56	2.25	2.92	3.57	4.83	6.06	6.66	7.85	8.13	6.65	5.58	4.42	3.62	3.04	2.59	2.06	1.68	1.41	1.20	1.04	0.92
12	0.12	0.26	0.49	0.92	1.72	2.47	3.21	3.92	5.31	6.65	7.31	8.62	9.26	7.58	6.35	5.04	4.13	3.46	2.95	2.34	1.92	1.61	1.37	1.19	1.04
13	0.13	0.29	0.54	1.00	1.87	2.70	3.50	4.27	5.78	7.25	7.97	9.40	10.4	8.55	7.16	5.69	4.65	3.90	3.33	2.64	2.16	1.81	1.55	1.34	0
14	0.14	0.31	0.58	1.09	2.03	2.92	3.79	4.63	6.27	7.86	8.64	10.2	11.7	9.55	8.01	6.35	5.20	4.36	3.72	2.95	2.42	2.03	1.73	1.50	0
15	0.15	0.34	0.63	1.17	2.19	3.15	4.08	4.99	6.75	8.47	9.31	11.0	12.6	10.6	8.88	7.05	5.77	4.83	4.13	3.27	2.68	2.25	1.92	1.66	0
16	0.16	0.36	0.67	1.26	2.34	3.83	4.37	5.35	7.24	9.08	9.98	11.8	13.5	11.7	9.78	7.76	6.35	5.32	4.55	3.61	2.95	2.47	2.11	1.83	0
17	0.17	0.39	0.72	1.34	2.50	3.61	4.67	5.71	7.73	9.69	10.7	12.6	14.4	12.8	10.7	8.50	6.96	5.83	4.98	3.95	3.23	2.71	2.31	2.01	0
18	0.18	0.41	0.76	1.43	2.66	3.83	4.97	6.07	8.22	10.3	11.3	13.4	15.3	13.9	11.7	9.26	7.58	6.35	5.42	4.30	3.52	2.95	2.52	0	0
19	0.19	0.43	0.81	1.51	2.82	4.07	5.27	6.44	8.72	10.9	12.0	14.2	16.3	15.1	12.7	10.0	8.22	6.89	5.88	4.67	3.82	3.20	2.73	0	0
20	0.20	0.46	0.86	1.60	2.98	4.30	5.27	6.80	9.21	11.5	12.7	15.0	17.2	16.3	13.7	10.8	8.88	7.44	6.35	5.04	4.13	3.46	2.95	0	0
21	0.21	0.48	0.90	1.69	3.14	4.53	5.87	7.17	9.71	12.2	13.4	15.8	18.1	17.6	14.7	11.7	9.55	8.01	6.84	5.42	4.44	3.72	3.18	0	
22	0.22	0.51	0.95	1.77	3.31	4.76	6.17	7.54	10.2	12.8	14.1	16.6	19.1	18.8	15.8	12.5	10.2	8.59	7.33	5.82	4.76	3.99	3.41	0	
23	0.23	0.53	1.00	1.86	3.47	5.00	6.47	7.91	10.7	13.4	14.8	17.4	20.0	20.1	16.9	13.4	11.0	9.18	7.84	6.22	5.09	4.27	0	0	
24	0.25	0.56	1.04	1.95	3.63	5.23	6.78	8.29	11.2	14.1	15.5	18.2	20.9	21.4	18.0	14.3	11.7	9.78	8.35	6.63	5.42	4.55	0	0	
25	0.26	0.58	1.09	2.03	3.80	5.47	7.08	8.66	11.7	14.7	16.2	19.0	21.9	22.8	19.1	15.2	12.4	10.4	8.88	7.05	5.77	4.83	0	0	
26	0.27	0.61	1.14	2.12	3.96	5.70	7.39	9.03	12.2	15.3	16.9	19.9	22.8	24.2	20.3	16.1	13.2	11.0	9.42	7.47	6.12	5.13	0	0	
28	0.29	0.66	1.23	2.30	4.29	6.18	8.01	9.79	13.2	16.6	18.3	21.5	24.7	27.0	22.6	18.0	14.7	12.3	10.5	8.35	6.84	5.73	0	0	
30	0.31	0.71	1.33	2.48	4.62	6.66	8.63	10.5	14.3	17.9	19.7	23.2	26.6	30.0	25.1	19.9	16.3	13.7	11.7	9.26	7.58	0	0	0	
32	0.33	0.76	1.42	2.66	4.96	7.14	9.25	11.3	15.3	19.2	21.1	24.9	28.6	32.2	27.7	22.0	18.0	15.1	12.9	10.2	8.35	0	0	0	
35	0.37	0.84	1.57	2.93	5.46	7.86	10.2	12.5	16.9	21.1	23.2	27.4	31.5	35.5	31.6	25.1	20.6	17.2	14.7	11.7	9.55	0	0	0	
40	0.43	0.97	1.81	3.38	6.31	9.08	11.8	14.4	19.5	24.4	26.8	31.6	36.3	41.0	38.7	30.7	25.1	21.0	18.0	14.3	0	0	0	0	
45	0.48	1.10	2.06	3.84	7.16	10.3	13.4	16.3	22.1	27.7	30.5	35.9	41.3	46.5	46.1	36.6	30.0	25.1	21.4	0	0	0	0	0	

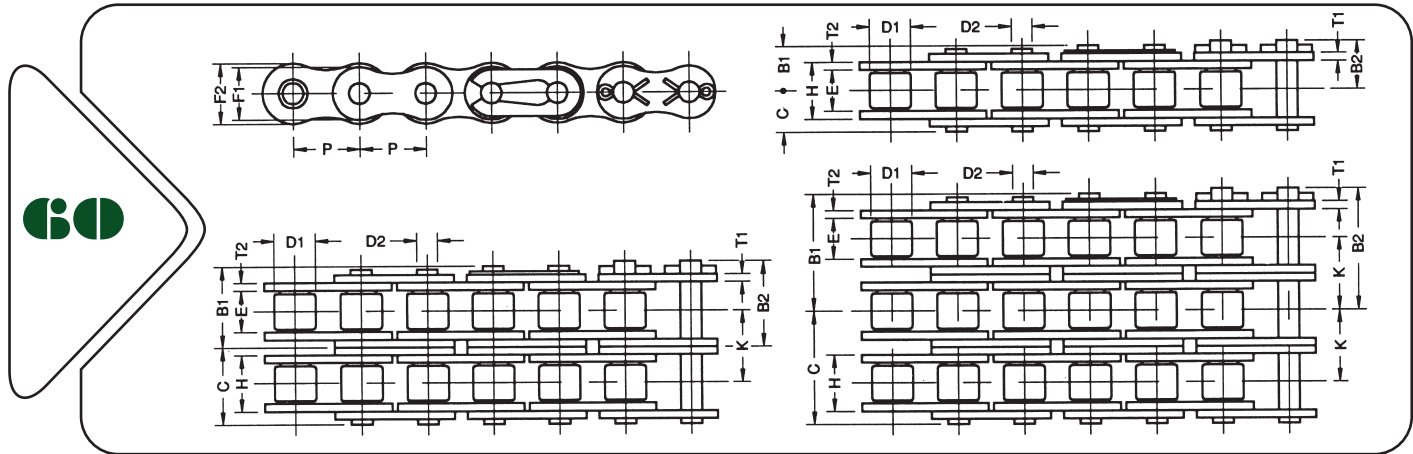
Lubri-
cation

Type A
Type B
Type C

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller	Pin				Links					Transverse Pitch K	Avg. Ult. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm		D1 mm	C mm	B1 mm	B2 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm			
60	3/4 x 1/2	19.05 x 12.70	11.91	12.72	15.27	15.27	5.96	2.38	2.38	17.75	15.64	18.09	-	4085	1.45
60-2	3/4 x 1/2	19.05 x 12.70	11.91	24.10	26.73	26.80	5.96	2.38	2.38	17.75	15.64	18.09	22.78	8170	2.87
60-3	3/4 x 1/2	19.05 x 12.70	11.91	35.55	38.16	38.25	5.96	2.38	2.38	17.75	15.64	18.09	22.78	12255	4.28
60-4	3/4 x 1/2	19.05 x 12.70	11.91	46.95	49.54	49.65	5.96	2.38	2.38	17.75	15.64	18.09	22.78	16340	5.70
60-6	3/4 x 1/2	19.05 x 12.70	11.91	69.75	-	72.30	5.96	2.38	2.38	17.75	15.64	18.09	22.78	25413	8.53
60-8	3/4 x 1/2	19.05 x 12.70	11.91	92.50	-	95.10	5.96	2.38	2.38	17.75	15.64	18.09	22.78	33884	11.35
60 CP	3/4 x 1/2	19.05 x 12.70	11.91	12.72	-	15.27	5.96	2.38	2.38	17.75	15.64	18.09	-	4085	1.47
60-2CP	3/4 x 1/2	19.05 x 12.70	11.91	24.10	-	26.80	5.96	2.38	2.38	17.75	15.64	18.09	22.78	8170	2.88
60-3CP	3/4 x 1/2	19.05 x 12.70	11.91	35.55	-	38.25	5.96	2.38	2.38	17.75	15.64	18.09	22.78	12255	4.30
60-4CP	3/4 x 1/2	19.05 x 12.70	11.91	46.95	-	49.65	5.96	2.38	2.38	17.75	15.64	18.09	22.78	16340	5.71

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	1400	1600	1800	2000	2500	3000	3500	4000	4500
9	0.15	0.33	0.62	1.16	1.67	2.16	3.12	4.04	4.94	5.82	6.68	7.54	8.38	9.21	9.99	8.77	6.96	5.70	4.77	4.08	2.92	2.22	1.76	1.44	1.21
10	0.16	0.37	0.70	1.30	1.87	2.43	3.49	4.53	5.53	6.52	7.49	8.44	9.39	10.3	11.2	10.3	8.15	6.67	5.59	4.77	3.42	2.60	2.06	1.69	1.41
11	0.18	0.41	0.77	1.44	2.07	2.69	3.87	5.02	6.13	7.23	8.30	9.36	10.4	11.4	12.5	11.9	9.41	7.70	6.45	5.51	3.94	3.00	2.38	1.95	1.63
12	0.20	0.45	0.85	1.58	2.28	2.95	4.25	5.51	6.74	7.94	9.12	10.3	11.4	12.6	13.7	13.5	10.7	8.77	7.35	6.28	4.49	3.42	2.71	2.22	1.86
13	0.22	0.50	0.92	1.73	2.49	3.22	4.64	6.01	7.34	8.65	9.94	11.2	12.5	13.7	14.9	15.2	12.1	9.89	8.29	7.08	5.06	3.85	3.06	2.50	0
14	0.24	0.54	1.00	1.87	2.69	3.49	5.02	6.51	7.96	9.37	10.8	12.1	13.5	14.8	16.2	17.0	13.5	11.1	9.26	7.91	5.66	4.31	3.42	2.80	0
15	0.25	0.58	1.08	2.01	2.90	3.76	5.41	7.01	8.57	10.1	11.6	13.1	14.5	16.0	17.4	18.8	15.0	12.3	10.3	8.77	6.28	4.77	3.79	3.10	0
16	0.27	0.62	1.16	2.16	3.11	4.03	5.80	7.52	9.19	10.8	12.4	14.0	15.6	17.1	18.7	20.2	16.5	13.5	11.3	9.66	6.91	5.26	4.17	3.42	0
17	0.29	0.66	1.24	2.31	3.32	4.30	6.20	8.03	9.81	11.6	13.3	15.0	16.7	18.3	19.9	21.6	18.1	14.8	12.4	10.6	7.57	5.76	4.57	3.74	0
18	0.31	0.70	1.31	2.45	3.53	4.58	6.59	8.54	10.4	12.3	14.1	15.9	17.7	19.5	21.2	22.9	19.7	16.1	13.5	11.5	8.25	6.28	4.98	4.08	0
19	0.33	0.75	1.39	2.60	3.74	4.85	6.99	9.05	11.1	13.0	15.0	16.9	18.8	20.6	22.5	24.3	21.4	17.5	14.6	12.5	8.95	6.81	5.40	4.42	0
20	0.35	0.79	1.47	2.75	3.96	5.13	7.38	9.57	11.7	13.8	15.8	17.9	19.8	21.8	23.8	25.7	23.1	18.9	15.8	13.5	9.66	7.35	5.83	0	0
21	0.36	0.83	1.55	2.90	4.17	5.40	7.78	10.1	12.3	14.5	16.7	18.8	20.9	23.0	25.1	27.1	24.8	20.3	17.0	14.5	10.4	7.91	6.28	0	0
22	0.48	0.87	1.63	3.05	4.39	5.68	8.19	10.6	13.0	15.3	17.5	19.8	22.0	24.2	26.4	28.5	26.6	21.8	18.2	15.6	11.1	8.48	6.73	0	0
23	0.40	0.92	1.71	3.19	4.60	5.96	8.59	11.1	13.6	16.0	18.4	20.8	23.1	25.4	27.7	29.9	28.4	23.3	19.5	16.7	11.9	9.07	7.19	0	0
24	0.42	0.96	1.79	3.35	4.82	6.24	8.99	11.6	14.2	16.8	19.3	21.7	24.2	26.6	29.0	31.3	30.3	24.8	20.8	17.8	12.7	9.66	7.67	0	0
25	0.44	1.00	1.87	3.50	5.04	6.52	9.40	12.2	14.9	17.5	20.1	22.7	25.3	27.8	30.3	32.7	32.2	26.4	22.1	18.9	13.5	10.3	8.15	0	0
26	0.46	1.05	1.95	3.65	5.25	6.81	9.80	12.7	15.5	18.3	21.0	23.7	26.4	29.0	31.6	34.1	34.2	28.0	23.4	20.0	14.3	10.9	8.65	0	0
28	0.50	1.13	2.12	3.95	5.69	7.37	10.6	13.8	16.8	19.8	22.8	25.7	28.5	31.4	34.2	37.0	38.2	31.3	26.2	22.4	16.0	12.2	0	0	0
30	0.54	1.22	2.28	4.26	6.13	7.94	11.4	14.8	18.1	21.4	24.5	27.7	30.8	33.8	36.8	39.8	42.4	34.7	29.1	24.8	17.8	13.5	0	0	0
32	0.57	1.31	2.45	4.56	6.57	8.52	12.3	15.9	19.4	22.9	26.3	29.7	33.0	36.3	39.5	42.7	46.7	38.2	32.0	27.3	19.6	14.9	0	0	0
35	0.63	1.44	2.69	5.03	7.24	9.38	13.5	17.5	21.4	25.2	29.0	32.7	36.3	39.9	43.5	47.1	53.4	43.7	36.6	31.3	22.4	17.0	0	0	0
40	0.73	1.67	3.11	5.81	8.37	10.8	15.6	20.2	24.7	29.1	33.5	37.7	42.0	46.1	50.3	54.4	62.5	53.4	44.7	38.2	27.3	0	0	0	0
45	0.83	1.89	3.53	6.60	9.50	12.3	17.7	23.0	28.1	33.1	38.0	42.9	47.7	52.4	57.1	61.7	70.9	63.7	53.4	45.6	32.6	0	0	0	0

Lubri-
cation

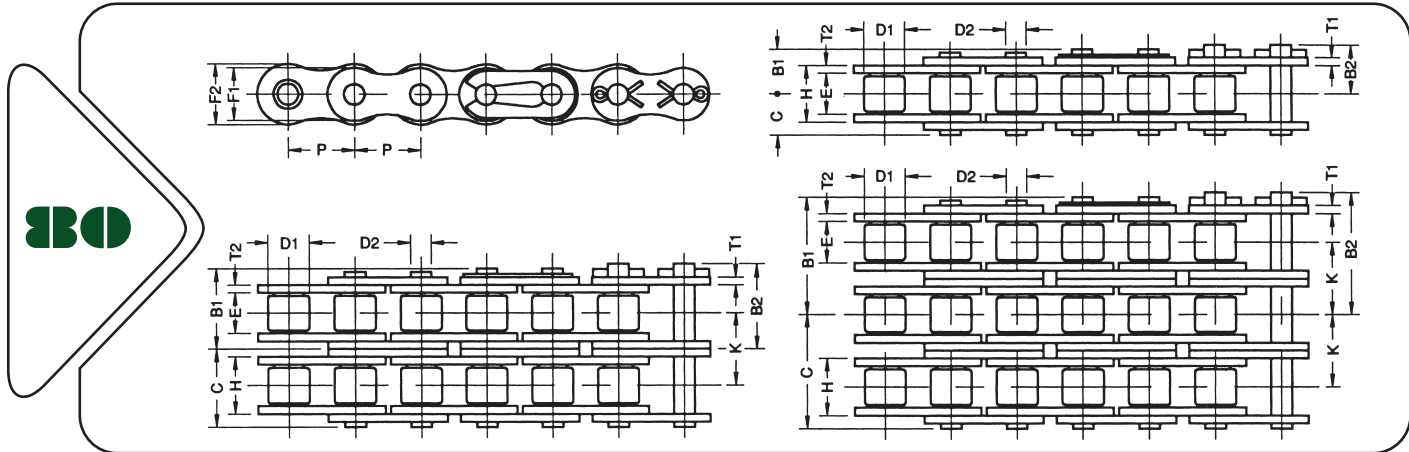
Type A	Type B	Type C
TYPE A LUBRICATION - MANUAL OR DRIP	TYPE B LUBRICATION - OIL BATH OR SLINGER	TYPE C LUBRICATION - OIL PUMP

See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller		Pin				Links					Transverse Pitch K	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm	D1 mm	C mm	B1 mm	B2 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm	F2 mm	mm			
80	1 x 5/8	25.4 x 15.88	15.87	16.50	18.50	19.85	7.94	3.18	3.18	22.60	20.82	24.13	-	7955	2.55	
80-2	1 x 5/8	25.4 x 15.88	15.87	31.10	33.20	35.20	7.94	3.18	3.18	22.60	20.82	24.13	29.29	15910	5.05	
80-3	1 x 5/8	25.4 x 15.88	15.87	45.70	47.80	49.90	7.94	3.18	3.18	22.60	20.82	24.13	29.29	23865	7.54	
80-4	1 x 5/8	25.4 x 15.88	15.87	60.75	61.95	64.15	7.94	3.18	3.18	22.60	20.82	24.13	29.29	31820	10.06	
80-6	1 x 5/8	25.4 x 15.88	15.87	89.77	91.77	93.72	7.94	3.18	3.18	22.60	20.82	24.13	29.29	49020	15.19	
80 CP	1 x 5/8	25.4 x 15.88	15.87	16.50	18.50	19.85	7.94	3.18	3.18	22.60	20.82	24.13	-	7955	2.59	
80-2CP	1 x 5/8	25.4 x 15.88	15.87	31.10	33.20	35.20	7.94	3.18	3.18	22.60	20.82	24.13	29.29	15910	5.09	
80-3CP	1 x 5/8	25.4 x 15.88	15.87	45.70	47.80	49.90	7.94	3.18	3.18	22.60	20.82	24.13	29.29	23865	7.59	
80-4CP	1 x 5/8	25.4 x 15.88	15.87	60.75	61.95	64.15	7.94	3.18	3.18	22.60	20.82	24.13	29.29	31820	10.09	

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	1400	1600	1800	2000	2200	2400	2700	3000	3400			
9	0.34	0.78	1.45	2.71	3.90	5.05	7.28	9.43	11.5	13.6	15.6	17.6	17.0	14.5	12.6	11.0	8.76	7.17	6.01	5.13	4.45	3.90	3.27	2.79	2.32			
10	0.38	0.87	1.63	3.03	4.37	5.66	8.16	10.6	12.9	15.2	17.5	19.7	19.9	17.0	14.7	12.9	10.3	8.40	7.04	6.01	5.21	4.57	3.83	3.27	2.71			
11	0.42	0.97	1.80	3.36	4.84	6.28	9.04	11.7	14.3	16.9	19.4	21.9	23.0	19.6	17.0	14.9	11.8	9.69	8.12	6.93	6.01	5.27	4.42	3.77	1.70			
12	0.47	1.06	1.98	3.69	5.32	6.89	9.93	12.9	15.7	18.5	21.3	24.0	26.2	22.3	19.4	17.0	13.5	11.0	9.25	7.90	6.85	6.01	5.04	4.30	0			
13	0.51	1.16	2.16	4.03	5.80	7.52	10.8	14.0	17.1	20.2	23.2	26.2	29.1	25.2	21.8	19.2	15.2	12.5	10.4	8.91	7.72	6.78	5.68	4.85	0			
14	0.55	1.25	2.34	4.36	6.29	8.14	11.7	15.2	18.6	21.9	25.1	28.4	31.5	28.2	24.4	21.4	17.0	13.9	11.7	9.96	8.63	7.57	6.35	5.42	0			
15	0.59	1.35	2.52	4.70	6.77	8.77	12.6	16.4	20.0	23.6	27.1	30.6	34.0	31.2	27.1	23.8	18.9	15.4	12.9	11.0	9.57	8.40	7.04	6.01	0			
16	0.63	1.45	2.70	5.04	7.26	9.41	13.5	17.6	21.5	25.3	29.0	32.8	36.4	34.4	29.8	26.2	20.8	17.0	14.2	12.2	10.5	9.25	7.76	6.62	0			
17	0.68	1.55	2.88	5.38	7.75	10.0	14.5	18.7	22.9	27.0	31.0	35.0	38.9	37.7	32.7	28.7	22.7	18.6	15.6	13.3	11.5	10.1	8.49	7.25	0			
18	0.72	1.64	3.07	5.72	8.25	10.7	15.4	19.9	24.4	28.7	33.0	37.2	41.4	41.1	35.6	31.2	24.8	20.3	17.0	14.5	12.6	11.0	9.25	7.90	0			
19	0.76	1.74	3.25	6.07	9.74	11.3	16.3	21.1	25.8	30.4	35.0	39.4	43.8	44.5	38.6	33.9	26.9	22.0	18.4	15.7	13.6	12.0	10.0	8.57	0			
20	0.81	1.84	3.44	6.41	9.24	12.0	17.2	22.3	27.3	32.2	37.0	41.7	46.3	48.1	41.7	36.6	29.0	23.8	19.9	17.0	14.7	12.9	10.8	0	0			
21	0.85	1.94	3.62	6.76	9.74	12.6	18.2	23.5	28.8	33.9	39.0	43.9	48.9	51.7	44.8	39.4	31.2	25.6	21.4	18.3	15.9	13.9	11.7	0	0			
22	0.90	2.04	3.81	7.11	10.2	13.3	19.1	24.8	30.3	35.7	41.0	46.2	51.4	55.5	48.1	42.2	33.5	27.4	23.0	19.6	17.0	14.9	12.5	0	0			
23	0.94	2.14	4.00	7.46	10.7	13.9	20.1	26.0	31.8	37.4	43.0	48.5	53.9	59.3	51.4	45.1	35.8	29.3	24.6	21.0	18.2	15.9	13.4	0	0			
24	0.98	2.24	4.19	7.81	11.3	14.6	21.0	27.2	33.2	39.2	45.0	50.8	56.4	62.0	54.8	48.1	38.2	31.2	26.2	22.3	19.4	17.0	14.2	0	0			
25	1.03	2.34	4.37	8.16	11.8	15.2	21.9	28.4	34.7	40.9	47.0	53.0	59.0	64.8	58.2	51.1	40.6	33.2	27.8	23.8	20.6	18.1	15.1	0	0			
26	1.07	2.45	4.56	8.52	12.3	15.9	22.9	29.7	36.2	42.7	49.1	55.3	61.5	67.6	61.8	54.2	43.0	35.2	29.5	25.2	21.8	19.2	16.1	0	0			
28	1.16	2.65	4.94	9.23	13.3	17.2	24.8	32.1	39.3	46.3	53.2	59.9	66.7	73.3	69.0	60.6	48.1	39.4	33.0	28.2	24.4	21.4	0	0	0			
30	1.25	2.85	5.33	9.94	14.3	18.5	26.8	34.6	42.3	49.9	57.3	64.6	71.8	78.9	76.6	67.2	53.3	43.6	36.6	31.2	27.1	23.8	0	0	0			
32	1.34	3.06	5.71	10.7	15.3	19.9	28.6	37.1	45.4	53.5	61.4	69.2	77.0	84.6	84.3	74.0	58.7	48.1	40.3	34.4	29.8	26.2	0	0	0			
35	1.48	3.37	6.29	11.7	16.9	21.9	31.6	40.9	50.0	58.9	67.6	76.3	84.8	93.3	96.5	84.7	67.2	55.0	46.1	39.4	34.1	0	0	0	0			
40	1.71	3.89	7.27	13.6	19.5	25.3	36.4	47.2	57.7	68.0	78.1	88.1	99.0	108	117	103	82.1	67.2	56.3	48.1	20.0	0	0	0	0			
45	1.94	4.42	8.25	15.4	22.2	28.7	41.4	53.6	65.6	77.2	88.7	100	111	122	133	123	98.0	80.2	67.2	54.1	0	0	0	0	0			

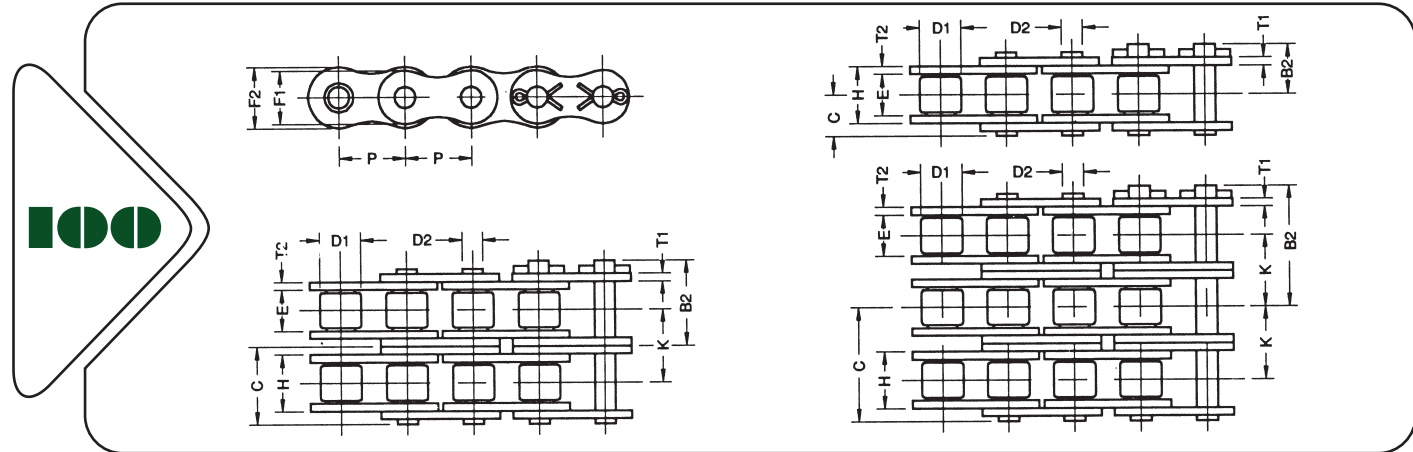
Lubrication: Type A, Type B, Type C

TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin C mm	Pin			Links					Transverse Pitch K mm	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P	x E			B2	D2	T1	T2	H	F1	F2				
	inch	mm			mm	mm	mm	mm	mm	mm	mm	mm			
100	1-1/4 x 3/4	31.75x19.05	19.05	20.19	23.19	9.54	3.99	3.99	27.45	26.03	30.16	-	11500	3.95	
100-2	1-1/4 x 3/4	31.75x19.05	19.05	38.14	42.04	9.54	3.99	3.99	27.45	26.03	30.16	35.76	23000	7.86	
100-3	1-1/4 x 3/4	31.75x19.05	19.05	55.99	59.89	9.54	3.99	3.99	27.45	26.03	30.16	35.76	34500	11.75	
100-4	1-1/4 x 3/4	31.75x19.05	19.05	73.89	77.79	9.54	3.99	3.99	27.45	26.03	30.16	35.76	46000	15.65	
100 CP	1-1/4 x 3/4	31.75x19.05	19.05	20.19	23.19	9.54	3.99	3.99	27.45	26.03	30.16	-	11500	4.01	
100-2CP	1-1/4 x 3/4	31.75x19.05	19.05	38.14	42.04	9.54	3.99	3.99	27.45	26.03	30.16	35.76	23000	7.91	
100-3CP	1-1/4 x 3/4	31.75x19.05	19.05	55.99	59.89	9.54	3.99	3.99	27.45	26.03	30.16	35.76	34500	11.80	
100-4CP	1-1/4 x 3/4	31.75x19.05	19.05	73.89	77.79	9.54	3.99	3.99	27.45	26.03	30.16	35.76	46000	15.73	

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		
	9	0.65	1.49	2.78	5.19	7.47	9.68	13.9	18.1	22.1	26.0	29.6	24.2	20.3	17.4	15.0	13.2	11.7	10.5	8.57	7.19	6.13	5.32	4.67	4.14	0	
10	0.73	1.67	3.11	5.81	8.37	10.8	15.6	20.2	24.7	29.2	33.5	28.4	23.8	20.3	17.6	15.5	13.7	12.3	10.0	8.42	7.19	6.23	5.47	4.85	0		
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	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	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	9.02	0	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	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	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	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	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	62.3	53.2	46.1	40.5	35.9	32.1	26.3	22.0	18.8	16.3	0	0	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	0	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	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	0	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	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	0		
32	2.57	5.86	10.2	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	45.2	0	0	0	0	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	0	0	0	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	0	0	0	0	0		
45	3.71	8.47	15.8	29.5	42.5	55.0	79.3	103	126	148	170	192	213	194	168	148	131	117	45.3	0	0	0	0	0	0		

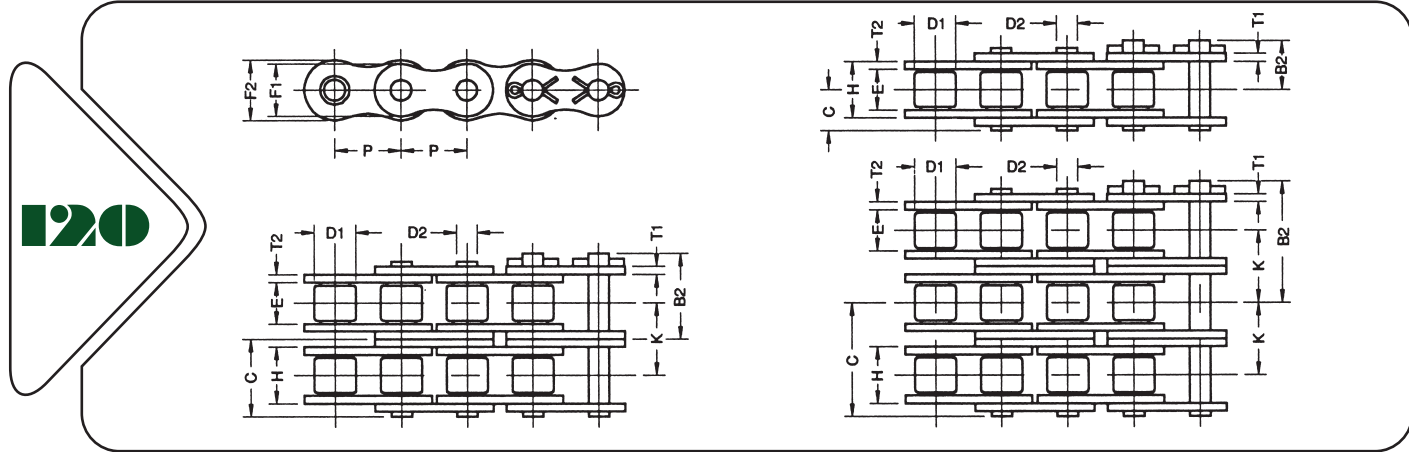
Lubrication: Type A, Type B, Type C

TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin			Links						Transverse Pitch K mm	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P inch	x E mm		C mm	B2 mm	D2 mm	T1 mm	T2 mm	H mm	F1 mm	F2 mm				
120	1-1/2 x 1	38.1 x 25.4	22.22	25.53	29.83	11.11	4.80	4.80	35.45	31.24	36.19	—	15590	5.64	
120-2	1-1/2 x 1	38.1 x 25.4	22.22	48.13	52.33	11.11	4.80	4.80	35.45	31.24	36.19	45.44	31180	11.20	
120-3	1-1/2 x 1	38.1 x 25.4	22.22	70.43	75.53	11.11	4.80	4.80	35.45	31.24	36.19	45.44	46770	16.73	
120-4	1-1/2 x 1	38.1 x 25.4	22.22	93.53	97.33	11.11	4.80	4.80	35.45	31.24	36.19	45.44	62360	22.28	
120-6	1-1/2 x 1	38.1 x 25.4	22.22	138.88	143.08	11.11	4.80	4.80	35.45	31.24	36.19	45.44	1057800	33.47	
120 CP	1-1/2 x 1	38.1 x 25.4	22.22	25.53	29.83	11.11	4.80	4.80	35.45	31.24	36.19	—	15590	5.72	
120-2CP	1-1/2 x 1	38.1 x 25.4	22.22	48.13	52.33	11.11	4.80	4.80	35.45	31.24	36.19	45.44	31180	11.28	
120-3CP	1-1/2 x 1	38.1 x 25.4	22.22	70.43	75.53	11.11	4.80	4.80	35.45	31.24	36.19	45.44	46770	16.80	
120-4CP	1-1/2 x 1	38.1 x 25.4	22.22	93.53	97.33	11.11	4.80	4.80	35.45	31.24	36.19	45.44	62360	22.40	
120-6CP	1-1/2 x 1	38.1 x 25.4	22.22	138.88	143.08	11.11	4.80	4.80	35.45	31.24	36.19	45.44	1057800	33.79	

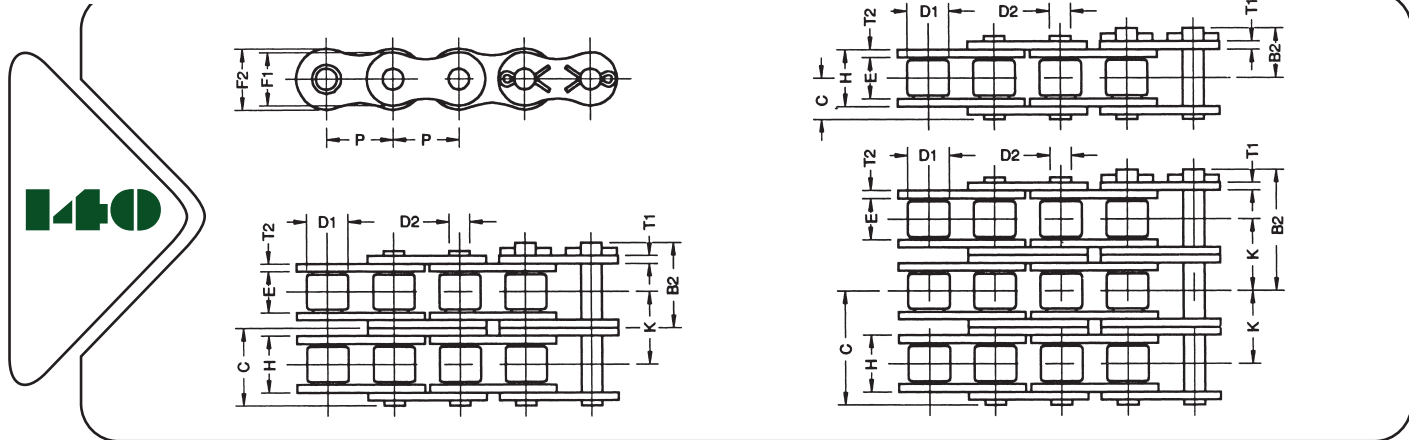
Horsepower Ratings – Single Strand Roller Chain

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	1500	1600	1700	1800	1900	2000	2100
9	1.10	2.52	4.69	8.76	12.6	16.3	23.5	30.5	37.3	43.2	34.3	28.1	23.5	20.1	17.4	15.3	13.5	12.1	10.9	9.92	9.06	8.31	7.67	7.10	6.60
10	1.24	2.82	5.26	9.81	14.1	18.3	26.4	34.2	41.8	49.2	40.1	32.9	27.5	23.5	20.4	17.9	15.9	14.2	12.8	11.6	10.6	9.74	8.98	8.31	7.73
11	1.37	3.12	5.83	10.9	15.7	20.3	29.2	37.9	46.3	54.6	46.3	37.9	31.8	27.1	23.5	20.6	18.3	16.4	14.8	13.4	12.2	11.2	10.4	9.59	0
12	1.50	3.43	6.40	11.9	17.2	22.3	32.1	41.6	50.9	59.9	52.8	43.2	36.2	30.9	26.8	23.5	20.9	18.7	16.8	15.3	13.9	12.8	11.8	10.9	0
13	1.64	3.74	6.98	13.0	18.8	24.3	35.0	45.4	55.5	65.3	59.5	48.7	40.8	34.9	30.2	26.5	23.5	21.0	19.0	17.2	15.7	14.4	13.3	12.3	0
14	1.78	4.05	7.56	14.1	20.3	26.3	37.9	49.1	60.1	70.8	66.5	54.4	45.6	39.0	33.8	29.6	26.3	23.5	21.2	19.2	17.6	16.1	14.9	8.94	0
15	1.91	4.37	8.15	15.2	21.9	28.4	40.9	53.0	64.7	76.3	73.8	60.4	50.6	43.2	37.4	32.9	29.1	26.1	23.5	21.3	19.5	17.9	16.5	0	0
16	2.05	4.68	8.74	16.3	23.5	30.4	43.8	56.8	69.4	81.8	81.3	66.5	55.7	47.6	41.2	36.2	32.1	28.7	25.9	23.5	21.5	19.7	18.2	0	0
17	2.19	5.00	9.33	17.4	25.1	32.5	46.8	60.6	74.1	87.3	89.0	72.8	61.0	52.1	45.2	39.6	35.2	31.5	28.4	25.8	23.5	21.6	19.9	0	0
18	2.33	5.32	9.92	18.5	26.7	34.6	49.8	64.5	78.8	92.9	97.0	79.4	66.5	56.8	49.2	43.2	38.3	34.3	30.9	28.1	25.6	23.5	11.3	0	0
19	2.47	5.64	10.5	19.6	28.3	36.6	52.8	68.4	83.6	98.5	105	86.1	72.1	61.6	53.4	46.8	41.5	37.2	33.5	30.4	27.8	25.5	0	0	0
20	2.61	5.96	11.1	20.7	29.9	38.7	55.8	72.2	88.3	104	114	92.9	77.9	66.5	57.6	50.6	44.9	40.1	36.2	32.9	30.0	27.5	0	0	0
21	2.75	6.28	11.7	21.9	31.5	40.8	58.8	76.2	93.1	110	122	100	83.8	71.6	62.0	54.4	48.3	43.2	39.0	35.4	32.2	29.6	0	0	0
22	2.90	6.60	12.3	23.0	33.1	42.9	61.8	80.1	97.9	115	131	107	89.9	76.7	66.5	58.4	51.8	46.3	41.8	37.9	34.6	16.6	0	0	0
23	3.04	6.93	12.9	24.1	34.8	45.0	64.9	84.0	103	121	139	115	96.1	82.0	71.1	62.4	55.3	49.5	44.6	40.5	37.0	0	0	0	0
24	3.18	7.25	13.5	25.3	36.4	47.1	67.9	88.0	108	127	146	122	102	87.4	75.8	66.5	59.0	52.8	47.6	43.2	39.4	0	0	0	0
25	3.32	7.58	14.1	26.4	38.0	49.3	71.0	91.9	112	132	152	130	109	92.9	80.6	70.7	62.7	56.1	50.6	45.9	41.3	0	0	0	0
26	3.47	7.91	14.8	27.5	39.7	51.4	74.0	95.9	117	138	159	138	115	98.6	85.4	75.0	66.5	59.5	53.7	48.7	26.6	0	0	0	0
28	3.76	8.57	16.0	29.8	43.0	55.7	80.2	104	127	150	172	154	129	110	95.5	83.8	74.3	66.5	60.0	54.4	0	0	0	0	0
30	4.05	9.23	17.2	32.1	46.3	60.6	86.4	112	137	161	185	171	143	122	106	92.9	82.4	73.8	66.5	42.4	0	0	0	0	0
32	4.34	9.90	18.5	34.5	49.6	64.3	92.6	120	147	173	199	188	158	135	117	102	90.8	81.3	73.3	0	0	0	0	0	0
35	4.78	10.9	20.3	38.0	54.7	70.9	102	132	162	190	219	215	180	154	133	117	104	92.9	47.7	0	0	0	0	0	0
40	5.52	12.6	23.5	43.9	63.2	81.8	118	153	187	220	253	263	220	188	163	143	127	59.5	0	0	0	0	0	0	0
45	6.27	14.3	26.7	49.8	71.7	92.9	134	173	212	250	287	314	263	224	195	171	80.0	0	0	0	0	0	0	0	0

Lubrication Type A Type B Type C
 TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29. Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller	Pin				Links					Transverse Pitch	Avg. Ulti. Tensile Strength	Approx. Weight	
	P	x E		D1	C	B2	D2	T1	T2	H	F1	F2				K
	inch	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm				
140	1-3/4 x 1	44.45 x 25.40	25.40	27.27	32.17	12.71	5.57	5.57	37.18	36.44	42.22	—	20960	7.38		
140-2	1-3/4 x 1	44.45 x 25.40	25.40	51.57	56.97	12.71	5.57	5.57	37.18	36.44	42.22	48.87	41920	14.66		
140-3	1-3/4 x 1	44.45 x 25.40	25.40	76.47	80.77	12.71	5.57	5.57	37.18	36.44	42.22	48.87	62880	21.93		
140-4	1-3/4 x 1	44.45 x 25.40	25.40	100.57	105.47	12.71	5.57	5.57	37.18	36.44	42.22	48.87	83850	29.24		
140 CP	1-3/4 x 1	44.45 x 25.40	25.40	27.27	32.17	12.71	5.57	5.57	37.18	36.44	42.22	—	20960	7.48		
140-2CP	1-3/4 x 1	44.45 x 25.40	25.40	51.57	56.97	12.71	5.57	5.57	37.18	36.44	42.22	48.87	41920	14.76		
140-3CP	1-3/4 x 1	44.45 x 25.40	25.40	76.47	80.77	12.71	5.57	5.57	37.18	36.44	42.22	48.87	62880	22.22		
140-4CP	1-3/4 x 1	44.45 x 25.40	25.40	100.57	105.47	12.71	5.57	5.57	37.18	36.44	42.22	48.87	83850	29.24		

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																								
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
9	1.74	3.89	7.25	19.5	19.5	25.3	30.9	36.4	41.8	47.2	52.5	57.7	55.7	48.9	38.8	31.7	26.6	22.7	19.7	17.3	15.3	13.7	12.4	11.2	10.2
10	1.91	4.36	8.14	21.9	21.9	28.3	34.6	40.8	46.9	52.9	58.8	64.6	65.2	57.2	45.4	37.2	31.2	26.6	23.1	20.2	17.9	16.1	14.5	13.1	0
11	2.12	4.83	9.02	16.8	24.2	31.4	38.4	45.2	52.0	58.6	65.2	71.6	75.2	66.0	52.4	42.9	35.9	30.7	26.6	23.3	20.7	18.5	16.7	15.2	0
12	2.33	5.31	9.91	18.5	26.6	34.5	42.2	49.7	57.1	64.4	71.6	78.7	85.7	75.2	59.7	48.9	41.0	35.0	30.3	26.6	23.6	21.1	19.0	17.3	0
13	2.54	5.79	10.8	20.2	29.0	37.6	46.6	54.2	62.2	70.2	78.0	85.8	93.5	84.8	67.3	55.1	46.2	39.4	34.2	30.3	26.6	23.8	21.5	19.5	0
14	2.75	6.27	11.7	21.8	31.5	40.8	49.8	58.7	67.4	76.0	84.5	93.0	101	94.8	75.2	61.6	51.6	44.1	38.2	33.5	29.7	26.6	24.0	21.8	0
15	2.96	6.76	12.6	23.5	33.9	43.9	53.7	63.2	72.7	81.9	91.1	100	109	105	83.4	68.3	57.2	48.9	42.4	37.2	33.0	29.5	26.6	0	
16	3.18	7.24	13.5	25.2	36.3	47.1	57.5	67.8	77.9	87.8	97.7	107	117	116	91.9	75.2	63.1	53.8	46.7	41.0	36.3	32.5	29.3	0	
17	3.39	7.73	14.4	26.9	38.8	50.3	61.4	72.4	83.2	93.8	104	115	125	127	101	82.4	69.1	59.0	51.1	44.9	39.8	35.6	32.1	0	
18	3.61	8.23	15.4	28.6	41.3	53.5	65.3	77.0	88.5	99.8	111	122	133	138	110	89.8	75.2	64.2	55.7	48.9	43.3	38.8	35.0	0	
19	3.82	8.72	16.3	30.4	43.7	56.7	69.3	81.6	93.8	106	118	129	141	150	119	97.4	81.6	69.7	60.4	53.0	47.0	42.1	37.9	0	
20	4.04	9.22	17.2	32.1	46.2	59.9	73.2	86.3	99.1	112	124	137	149	161	128	105	88.1	75.2	65.2	57.2	50.8	45.4	0		
21	4.26	9.72	18.1	33.8	48.7	63.1	77.2	91.0	104	118	131	144	157	170	138	113	94.8	80.9	70.2	61.6	54.6	48.9	0		
22	4.48	10.2	19.1	35.6	51.3	66.4	81.2	95.6	110	124	138	151	163	178	148	121	102	86.8	75.2	66.0	58.6	52.4	0		
23	4.70	10.7	20.0	37.3	53.8	69.7	85.2	100	115	130	145	159	173	187	158	130	109	92.8	80.4	70.6	62.6	63.5	0		
24	4.92	11.2	20.9	39.1	56.3	72.9	89.2	105	121	136	151	166	181	196	169	138	116	98.6	85.7	75.2	66.7	0			
25	5.14	11.7	21.9	40.8	58.8	76.2	93.2	110	126	142	158	174	189	205	180	147	123	105	91.1	80.0	70.9	0			
26	5.37	12.2	22.8	42.6	61.4	79.5	97.2	115	132	148	165	181	198	214	190	156	131	112	96.7	84.8	75.2	0			
28	5.81	13.3	24.7	46.2	66.5	86.2	105	124	143	161	179	197	214	232	213	174	146	125	108	94.8	84.1	0			
30	6.26	14.3	26.7	49.7	71.6	92.8	113	134	154	173	193	212	231	249	236	193	162	138	120	105	93.2	0			
32	6.71	15.3	28.6	53.3	76.8	99.5	122	143	165	186	206	227	247	267	260	213	178	152	132	116	0				
35	7.40	16.9	31.5	58.7	84.6	110	134	158	181	205	227	250	272	295	297	243	204	174	151	130	0				
40	8.54	19.5	36.4	67.9	97.7	127	155	182	210	236	263	289	315	340	363	297	249	213	178	0					
45	9.70	22.1	41.3	77.1	111	144	176	207	238	268	298	328	357	387	434	355	297	237	92.7	0					

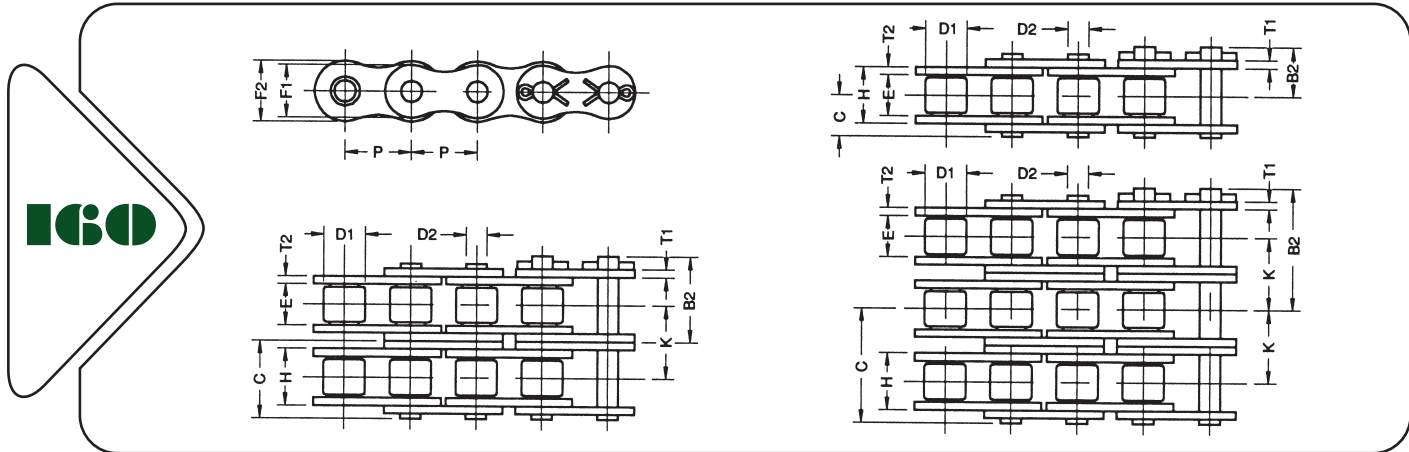
Lubri- Type A Type B Type C

TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin			Links						Transverse Pitch K mm	Avg. Ulti. Tensile Strength kgf	Approx. Weight kg/m
	P	x E		C	B2	D2	T1	T2	H	F1	F2				
	inch	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm			
160	2 x 1-1/4	50.80 x 31.75	28.57	32.76	37.06	14.29	6.49	6.49	45.21	41.65	48.26	-	26200	9.40	
160-2	2 x 1-1/4	50.80 x 31.75	28.57	62.41	65.21	14.29	6.49	6.49	45.21	41.65	48.26	58.55	52400	18.64	
160-3	2 x 1-1/4	50.80 x 31.75	28.57	91.55	93.76	14.29	6.49	6.49	45.21	41.65	48.26	58.55	78600	27.89	
160-4	2 x 1-1/4	50.80 x 31.75	28.57	120.56	124.96	14.29	6.49	6.49	45.21	41.65	48.26	58.55	103200	37.21	
160 CP	2 x 1-1/4	50.80 x 31.75	28.57	32.76	37.06	14.29	6.49	6.49	45.21	41.65	48.26	-	26200	9.51	
160-2CP	2 x 1-1/4	50.80 x 31.75	28.57	62.41	65.21	14.29	6.49	6.49	45.21	41.65	48.26	58.55	52400	18.75	
160-3CP	2 x 1-1/4	50.80 x 31.75	28.57	91.55	93.76	14.29	6.49	6.49	45.21	41.65	48.26	58.55	78600	28.00	
160-4CP	2 x 1-1/4	50.80 x 31.75	28.57	120.56	124.96	14.29	6.49	6.49	45.21	41.65	48.26	58.55	103200	37.35	

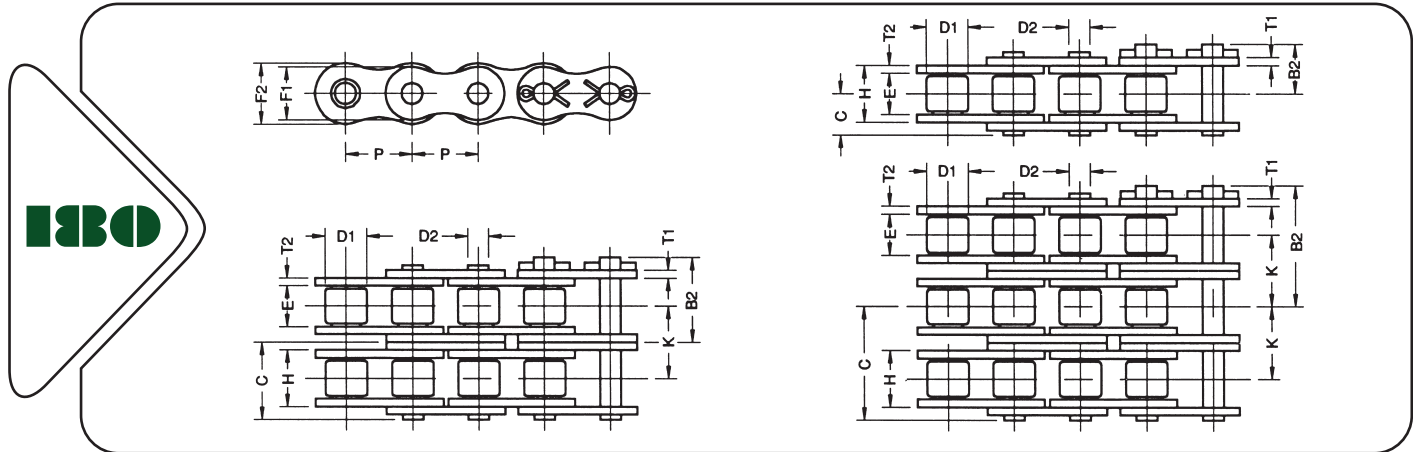
Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																								
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300	1400
9	2.48	5.65	10.5	19.7	28.3	36.7	44.8	52.8	60.7	68.5	76.1	71.5	62.0	54.4	48.2	43.2	38.9	35.3	32.2	29.6	25.3	21.9	19.2	17.0	0
10	2.77	6.33	11.8	22.0	31.7	41.1	50.3	59.2	68.0	76.7	85.3	83.7	72.6	63.7	56.5	50.5	45.6	41.4	37.8	34.7	29.6	25.7	22.5	20.0	0
11	3.07	7.01	13.1	24.4	35.2	45.6	55.7	65.6	75.4	85.0	94.5	96.6	83.7	73.5	65.2	58.3	52.6	47.4	43.6	40.0	34.1	29.6	26.0	23.0	0
12	3.38	7.70	14.4	26.8	38.6	50.1	61.2	72.1	82.8	93.4	104	110	95.4	83.7	74.2	66.4	59.9	54.4	49.6	45.6	38.9	33.7	29.6	26.3	0
13	3.68	8.40	15.7	29.2	42.1	54.6	66.7	78.6	90.3	102	113	124	108	94.4	83.7	74.9	67.5	61.3	56.0	51.4	43.9	38.0	33.4	29.6	0
14	3.99	9.10	17.0	31.7	45.6	59.1	72.3	85.2	97.8	110	123	135	120	105	93.6	83.7	75.5	68.5	62.6	57.4	49.0	42.5	37.3	33.1	0
15	4.30	9.80	18.3	34.1	49.2	63.7	77.9	91.7	105	119	132	145	133	117	104	92.8	83.7	76.0	69.4	63.7	54.4	47.1	41.4	0	
16	4.61	10.5	19.6	36.6	52.7	68.3	83.5	98.4	113	127	142	156	147	129	114	102	92.2	83.7	76.4	70.2	59.9	51.9	45.6	0	
17	4.92	11.2	20.9	39.1	56.3	72.9	89.1	105	121	136	151	166	161	141	125	112	101	91.7	83.7	76.8	65.6	56.9	49.9	0	
18	5.23	11.9	22.3	41.6	59.9	77.6	94.8	112	128	145	161	177	175	154	136	122	110	99.9	91.2	83.7	71.5	62.0	54.4	0	
19	5.55	12.7	23.6	44.1	63.5	82.2	101	118	136	153	171	188	190	167	148	132	119	108	98.9	90.8	77.5	67.2	59.0	0	
20	5.86	13.4	25.0	46.6	67.1	86.9	106	125	144	162	180	198	205	180	160	143	129	117	107	98.1	83.7	72.6	63.7	0	
21	6.18	14.1	26.3	49.1	70.7	91.6	112	132	152	171	190	209	221	194	172	154	139	126	115	105	90.1	78.1	68.5	0	
22	6.50	14.8	27.7	51.6	74.4	96.3	118	139	159	180	200	220	237	208	184	165	149	135	123	113	96.6	83.7	0	0	
23	6.82	15.6	29.0	54.2	78.0	101	124	146	167	189	210	231	251	222	197	176	169	144	132	121	103	89.5	0	0	
24	7.14	16.3	30.4	56.7	81.7	106	129	152	175	197	220	241	263	237	210	188	169	154	140	129	110	95.4	0	0	
25	7.46	17.0	31.8	59.3	85.4	111	135	159	183	206	229	252	275	252	223	200	180	164	149	137	117	101	0	0	
26	7.78	17.8	33.1	61.8	89.1	115	141	166	191	215	239	263	287	267	237	212	191	173	158	145	124	108	0	0	
28	8.43	19.2	35.9	67.0	96.5	125	153	180	207	233	259	285	311	298	265	237	214	194	177	162	139	120	0	0	
30	9.08	20.7	38.7	72.2	104	135	165	194	223	251	279	307	336	331	293	263	237	215	196	180	154	0	0	0	
32	9.74	22.2	41.5	77.4	111	144	176	208	239	269	300	329	359	365	323	289	261	237	216	198	169	0	0	0	
35	10.7	24.5	45.7	85.2	123	159	194	229	263	297	330	363	395	417	370	331	298	271	247	227	180	0	0	0	
40	12.4	28.3	52.8	98.5	142	184	225	265	304	343	381	419	457	494	452	404	365	331	302	257	0	0	0	0	
45	14.1	32.1	59.9	112	161	209	255	301	345	389	433	476	519	561	539	482	418	348	271	189	0	0	0	0	

Lubri- Type Type B Type C
 cation A A C
 TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29. Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller	Pin			Links						Transverse Pitch	Avg. Ult. Tensile Strength	Approx. Weight	
	P	x E		D1	C	B2	D2	T1	T2	H	F1	F2				K
	inch	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm				
180	2 1/4 x 1 13/32	57.15 x 35.71	35.71	36.64	45.39	17.46	7.14	7.14	50.85	46.86	54.29	-	38200	12.67		
180-2	2 1/4 x 1 13/32	57.15 x 35.71	35.71	69.56	78.31	17.46	7.14	7.14	50.85	46.86	54.29	65.84	76400	25.14		
180-3	2 1/4 x 1 13/32	57.15 x 35.71	35.71	102.48	111.24	17.46	7.14	7.14	50.85	46.86	54.29	65.84	114600	37.60		
180 CP	2 1/4 x 1 13/32	57.15 x 35.71	35.71	36.64	45.39	17.46	7.14	7.14	50.85	46.86	54.29	-	38200	12.55		
180-2CP	2 1/4 x 1 13/32	57.15 x 35.71	35.71	69.56	78.31	17.46	7.14	7.14	50.85	46.86	54.29	65.84	76400	25.02		
180-3CP	2 1/4 x 1 13/32	57.15 x 35.71	35.71	102.48	111.24	17.46	7.14	7.14	50.85	46.86	54.29	65.84	114600	37.48		

Horsepower Ratings – Single Strand Roller Chain

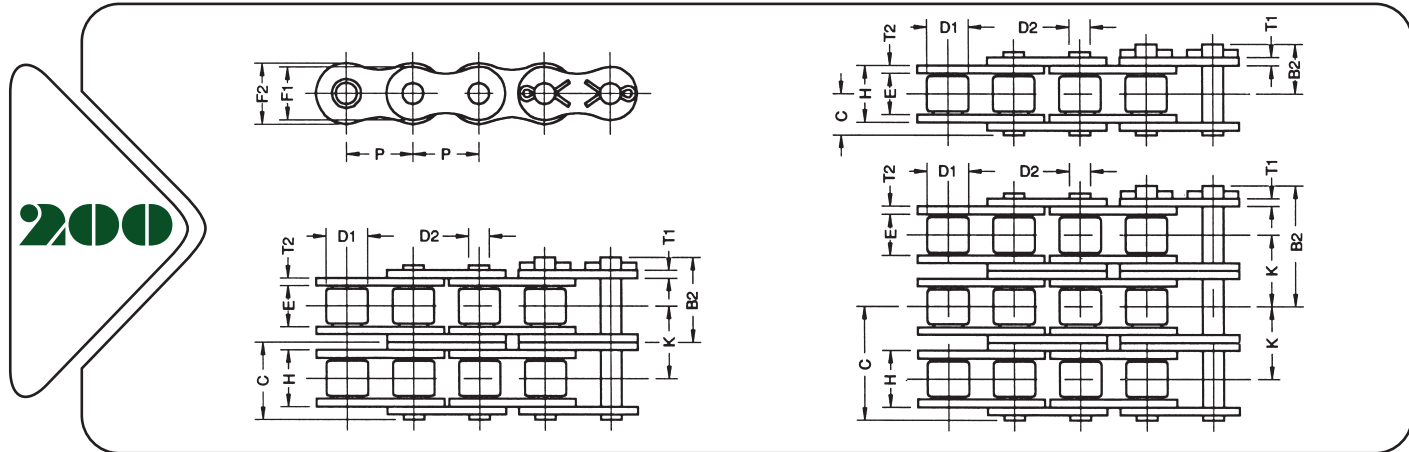
No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100
9	3.42	7.80	14.55	27.15	39.10	50.66	61.93	72.97	83.83	94.53	91.99	78.54	68.08	59.75	52.99	47.41	38.81	32.52	27.77	24.1
10	3.83	8.74	16.30	30.42	43.81	56.76	69.39	81.76	93.93	105.92	107.74	91.99	79.74	69.98	62.06	55.53	45.45	38.09	32.52	28.2
11	4.24	9.68	18.07	33.72	48.57	62.92	76.91	90.63	104.11	117.41	124.30	106.13	91.99	80.73	71.60	64.07	52.44	43.95	37.52	32.5
12	4.66	10.64	19.85	37.04	53.35	69.12	84.49	99.56	114.37	128.98	141.63	120.92	104.81	91.99	81.58	73.00	59.75	50.07	42.75	37.1
13	5.08	11.60	21.64	40.38	58.17	75.36	92.12	108.54	124.70	140.62	156.35	136.35	118.19	103.72	91.99	82.31	67.37	56.46	48.21	
14	5.51	12.56	23.44	43.75	63.01	81.64	99.79	117.59	135.09	152.34	169.37	152.38	132.08	115.92	102.81	91.99	75.29	63.10	53.87	
15	5.93	13.54	25.26	47.13	67.89	87.95	107.51	126.69	145.54	164.12	182.48	169.00	146.48	128.56	114.01	102.02	83.50	69.98	59.75	
16	6.36	14.51	27.08	50.53	72.79	94.30	115.27	135.83	156.04	175.97	195.65	186.17	161.37	141.63	125.60	112.39	91.99	77.09	65.82	
17	6.79	15.49	28.91	53.95	77.72	100.68	123.07	145.02	166.60	187.88	208.89	203.90	176.74	155.11	137.56	123.09	100.75	84.43	72.09	
18	7.22	16.48	30.75	57.39	82.66	107.09	130.91	154.26	177.21	199.84	222.19	222.15	192.56	169.00	149.88	134.11	109.77	91.99	78.54	
19	7.66	17.47	32.60	60.84	87.63	113.53	138.78	163.53	187.87	211.86	235.55	240.92	208.82	183.27	162.54	145.44	119.04	99.76	85.18	
20	8.10	18.47	34.46	64.31	92.63	120.00	146.69	172.85	198.57	223.93	248.97	260.19	225.53	197.93	175.54	157.07	128.56	107.74	91.99	
21	8.53	19.47	36.33	67.79	97.64	126.49	154.63	182.20	209.31	236.04	262.44	279.94	242.65	212.96	188.87	169.00	138.32	115.92	98.97	
22	8.97	20.47	38.20	71.28	102.67	133.01	162.59	191.59	220.10	248.20	275.96	300.17	260.19	228.35	202.52	181.21	148.32	124.30		
23	9.41	21.48	40.08	74.78	107.72	139.55	170.59	201.01	230.92	260.41	289.53	318.33	278.13	244.10	216.48	193.70	158.54	132.87		
24	9.86	22.49	41.96	78.30	112.78	146.11	178.61	210.46	241.78	272.66	303.15	333.30	296.46	260.19	230.75	206.47	169.00	141.63		
25	10.30	23.50	43.85	81.83	117.87	152.70	186.66	219.95	252.68	284.95	316.81	348.33	315.18	276.62	245.32	219.51	179.67	150.57		
26	10.75	24.52	45.75	85.37	122.97	159.31	194.74	229.47	263.62	297.28	330.52	363.40	334.28	293.38	260.19	232.81	190.55	159.69		
28	11.64	26.56	49.56	92.48	133.21	172.58	210.97	248.59	285.58	322.05	358.06	393.68	373.58	327.87	290.78	260.19	212.96	178.47		
30	12.54	28.61	53.40	99.64	143.52	185.93	227.29	267.82	307.67	346.96	385.76	424.13	414.32	363.62	322.48	288.56	236.18	197.93		
32	13.45	30.68	57.25	106.83	153.88	199.36	243.70	287.15	329.88	372.01	413.61	454.75	456.43	400.58	355.26	317.89	260.19			
35	14.82	33.80	63.07	117.69	169.52	219.61	268.46	316.33	363.41	409.81	455.64	500.96	522.10	458.22	406.37	363.62	291.00			
40	17.11	39.04	72.85	135.95	195.81	253.68	310.11	365.40	419.78	473.39	526.33	578.68	575.00	524.00	465.00	398.00	244.00			
45	19.44	44.34	82.73	154.39	222.38	288.09	352.17	414.97	476.73	537.60	597.72	631.00	578.00	514.00	441.00	360.00				
Lubrication	Type A	Type B										Type C								

TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



ANSI Chain No.	Pitch x Width		Roller	Pin				Links					Transverse Pitch	Avg. Ult. Tensile Strength	Approx. Weight	
	P	x E		D1	C	B2	D2	T1	T2	H	F1	F2				K
	inch	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm				
200	2 1/2 x 1 1/2	63.50 x 38.10	39.67	40.15	46.35	19.85	7.93	7.93	54.88	52.07	60.32	-	49500	15.90		
200-2	2 1/2 x 1 1/2	63.50 x 38.10	39.67	75.95	82.15	19.85	7.93	7.93	54.88	52.07	60.32	71.55	99000	31.60		
200-3	2 1/2 x 1 1/2	63.50 x 38.10	39.67	111.70	117.90	19.85	7.93	7.93	54.88	52.07	60.32	71.55	148500	47.30		
200-4	2 1/2 x 1 1/2	63.50 x 38.10	39.67	147.50	153.68	19.85	7.93	7.93	54.88	52.07	60.32	71.55	198000	62.80		
200 CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	40.15	46.35	19.85	7.93	7.93	54.88	52.07	60.32	-	49500	16.10		
200-2CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	75.95	82.15	19.85	7.93	7.93	54.88	52.07	60.32	71.55	99000	31.80		
200-3CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	111.70	117.90	19.85	7.93	7.93	54.88	52.07	60.32	71.55	148500	47.50		
200-4CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	147.50	153.68	19.85	7.93	7.93	54.88	52.07	60.32	71.55	198000	63.10		

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																			
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650	700
9	4.54	6.54	8.47	12.2	15.8	19.3	26.1	36.0	51.9	67.3	82.2	96.6	111	119	100	85.4	74.1	65.0	57.6	0
10	5.08	7.32	9.49	13.7	17.7	21.6	29.3	40.4	58.2	75.4	92.1	109	125	140	117	100	86.7	76.1	67.5	0
11	5.64	8.12	10.5	15.1	19.6	24.0	32.5	44.8	64.5	83.5	102	120	138	156	135	115	100	87.8	77.9	0
12	6.19	8.92	11.6	16.6	21.6	26.4	35.7	49.2	70.8	91.8	112	132	152	171	154	132	114	100	0	0
13	6.75	9.72	12.6	18.1	23.5	28.7	38.9	53.6	77.2	100	122	144	166	187	174	148	129	113	0	0
14	7.31	10.5	13.6	19.7	25.5	31.1	42.1	58.1	83.7	108	132	156	179	202	194	166	144	126	0	0
15	7.88	11.3	14.7	21.2	27.4	33.5	45.4	62.6	90.1	117	143	168	193	218	215	184	159	140	0	0
16	8.45	12.2	15.8	22.7	29.4	36.0	48.7	67.1	96.6	125	153	180	207	234	237	203	176	154	0	0
17	9.02	13.0	16.8	24.2	31.4	38.4	52.0	71.6	103	134	163	193	221	249	260	222	192	169	0	0
18	9.59	13.8	17.9	25.8	33.4	40.8	55.3	76.2	110	142	174	205	235	265	283	242	209	184	0	0
19	10.2	14.6	19.0	27.3	35.4	43.3	58.6	80.8	116	151	184	217	249	281	307	262	227	199	0	0
20	10.7	15.5	20.1	28.9	37.4	45.8	61.9	85.4	123	159	195	229	264	297	331	283	245	0	0	0
21	11.3	16.3	21.1	30.5	39.5	48.2	65.3	90.0	130	168	205	242	278	313	348	305	264	0	0	0
22	11.9	17.2	22.2	32.0	41.5	50.7	68.7	94.6	136	177	216	254	292	330	366	327	283	0	0	0
23	12.5	18.0	23.3	33.6	43.5	53.2	72.0	99.3	143	185	226	267	307	346	384	349	303	0	0	0
24	13.1	18.9	24.4	35.2	45.6	55.7	75.4	104	150	194	237	279	321	362	402	372	323	0	0	0
25	13.7	19.7	25.5	36.8	47.6	58.2	78.8	109	156	203	248	292	335	378	421	396	343	0	0	0
26	14.3	20.6	26.6	38.4	49.7	60.7	82.2	113	163	212	259	305	350	395	439	420	364	0	0	0

Lubri-
cation

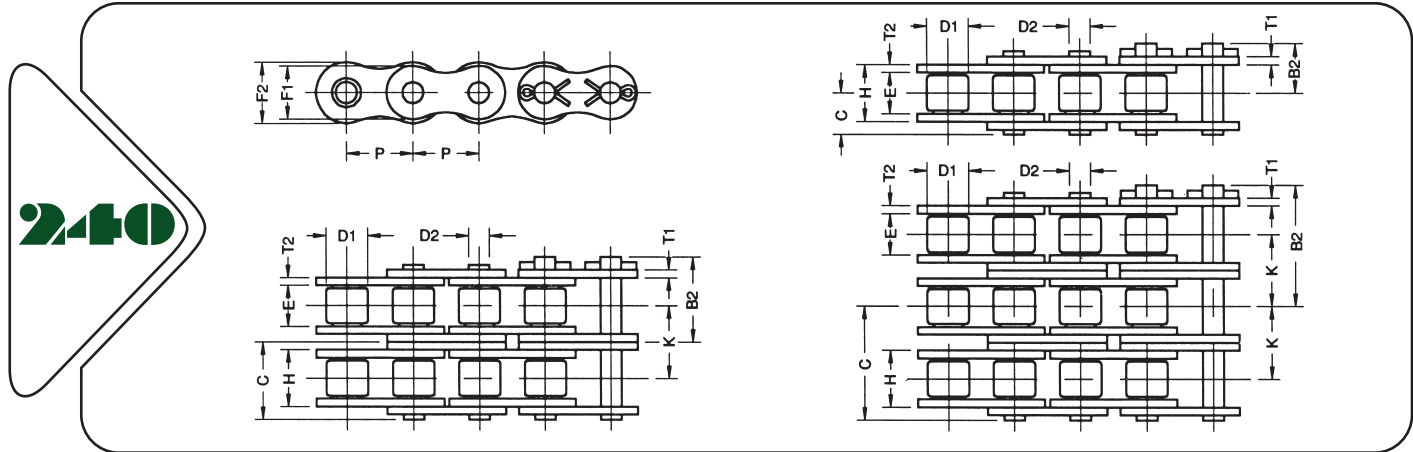
Type A	Type B	Type C
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TYPE A LUBRICATION - MANUAL OR DRIP
 TYPE B LUBRICATION - OIL BATH OR SLINGER
 TYPE C LUBRICATION - OIL PUMP
 See Lubrication instructions on page 29.

Ratings shown are for standard steel chain.



ANSI STANDARD ROLLER CHAIN



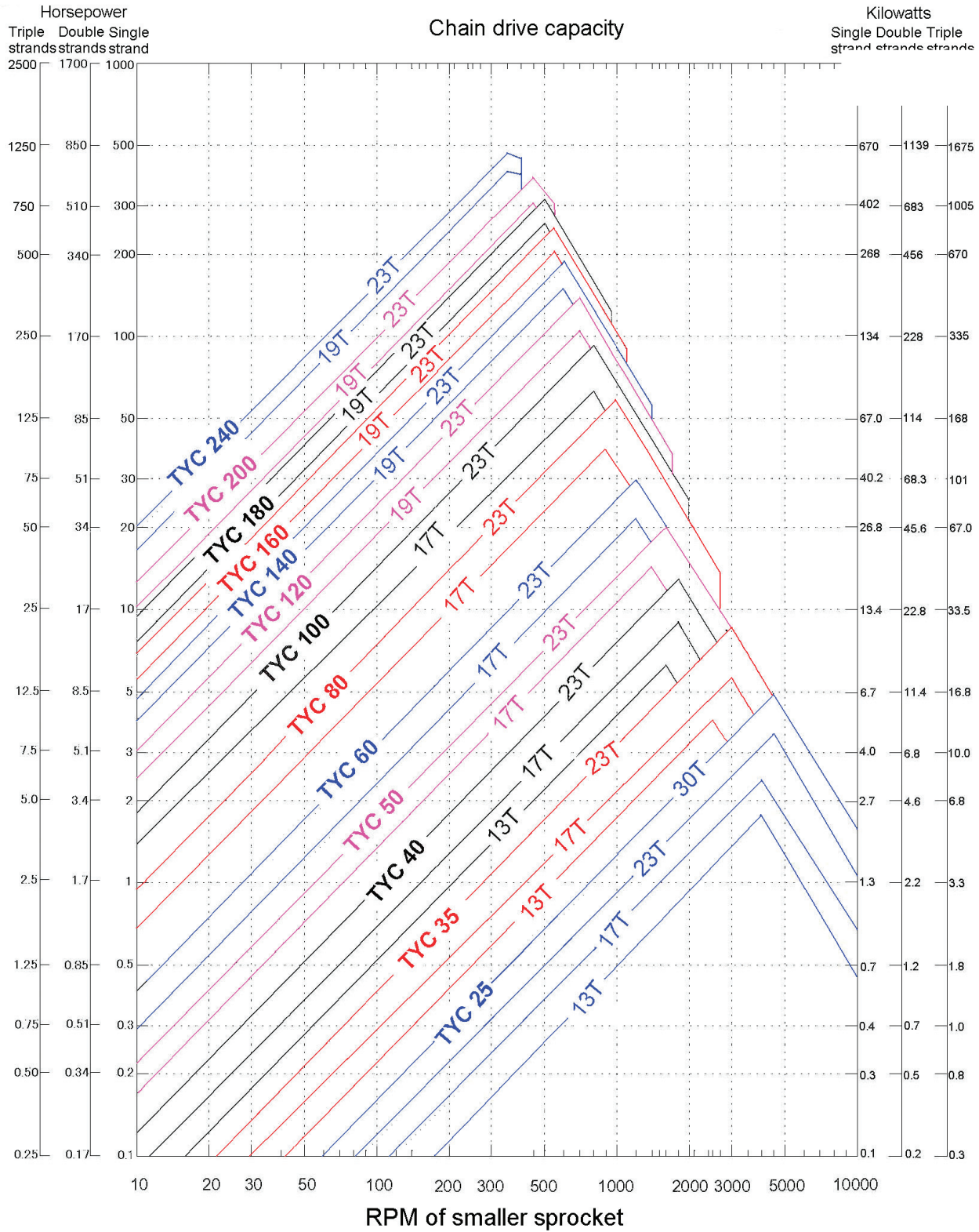
ANSI Chain No.	Pitch x Width		Roller	Pin			Links					Transverse Pitch	Avg. Ulti. Tensile Strength	Approx. Weight	
	P	x E		D1	C	B2	D2	T1	T2	H	F1				F2
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
240	3 x 1.875	76.20 x 47.63	47.63	48.95	55.35	23.81	9.53	9.53	67.81	62.48	72.39	—	69550	24.4	
240-2	3 x 1.875	76.20 x 47.63	47.63	92.90	99.20	23.81	9.53	9.53	67.81	62.48	72.39	87.83	139100	48.4	
240-3	3 x 1.875	76.20 x 47.63	47.63	136.80	143.20	23.81	9.53	9.53	67.81	62.48	72.39	87.83	208650	72.4	
240 CP	3 x 1.875	76.20 x 47.63	47.63	48.95	55.35	23.81	9.53	9.53	67.81	62.48	72.39	—	69550	24.6	
240-2 CP	3 x 1.875	76.20 x 47.63	47.63	92.90	99.20	23.81	9.53	9.53	67.81	62.48	72.39	87.83	139100	48.6	
240-3 CP	3 x 1.875	76.20 x 47.63	47.63	136.80	143.20	23.81	9.53	9.53	67.81	62.48	72.39	87.83	208650	72.6	

Horsepower Ratings – Single Strand Roller Chain

No. of Teeth Small Spkt.	Revolutions Per Minute—Small Sprocket																				
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350	400	450	500
11	4.86	9.08	13.1	16.9	20.7	24.4	31.6	38.6	45.5	59.0	72.1	88.0	104	119	135	164	194	223	187	156	0
12	5.34	9.97	14.4	18.6	22.7	26.8	34.7	42.4	50.0	64.8	79.2	96.8	114	131	148	181	213	245	213	0	0
13	5.83	10.9	15.7	20.3	24.8	29.2	37.9	46.3	54.5	70.6	86.4	106	124	143	161	197	232	267	240	0	0
14	6.31	11.8	17.0	22.0	26.9	31.7	41.0	50.1	59.1	76.5	93.6	114	135	155	175	213	251	289	268	0	0
15	6.80	12.7	18.3	23.7	28.9	34.1	44.2	54.0	63.6	82.4	101	123	145	167	188	230	271	311	297	0	0
16	7.29	13.6	19.6	25.4	31.0	36.6	47.4	57.9	68.2	88.4	108	132	156	179	202	247	290	334	328	0	0
17	7.78	14.5	20.9	27.1	33.1	39.0	50.6	61.8	72.9	94.4	115	141	166	191	215	263	310	356	359	0	0
18	8.28	15.4	22.3	28.8	35.2	41.5	53.8	65.8	77.5	100	123	150	177	203	229	280	330	379	377	0	0
19	8.78	16.4	23.6	30.6	37.4	44.0	57.0	69.7	82.2	106	130	159	187	215	243	297	350	402	393	0	0
20	9.28	17.3	24.9	32.3	39.5	46.5	60.3	73.7	86.8	112	138	168	198	228	257	314	370	423	407	0	0
21	9.78	18.2	26.3	34.1	41.6	49.0	63.5	77.7	91.5	119	145	177	209	240	270	331	390	439	421	0	0
22	10.3	19.2	27.6	35.8	43.8	51.6	66.8	81.7	96.2	125	152	186	220	252	284	348	410	454	435	0	0
23	10.8	20.1	29.0	37.6	45.9	54.1	70.1	85.7	101	131	160	195	230	265	298	365	430	469	448	0	0
24	11.3	21.1	30.4	39.3	48.1	56.7	73.4	89.7	106	137	167	205	241	277	312	382	450	483	0	0	0
25	11.8	22.0	31.7	41.1	50.3	59.2	76.7	93.8	110	143	175	214	252	290	327	399	470	496	0	0	0
26	12.3	23.0	33.1	42.9	52.4	61.8	80.0	97.8	115	149	183	223	263	302	341	416	491	509	0	0	0
Lubri-cation	Type A					Type B							Type C								
TYPE A LUBRICATION - MANUAL OR DRIP													Ratings shown are for standard steel chain.								
TYPE B LUBRICATION - OIL BATH OR SLINGER																					
TYPE C LUBRICATION - OIL PUMP																					
See Lubrication instructions on page 29.																					



CHAIN SELECTOR CHART





ANSI STD ROLLER CHAIN ATTACHMENT

D-1, D-3 :

These are extended pin attachments which are modified pins with extension. The extended pin has the same diameter as the chain pin.

A-1,K-1 :

These are bent attachments which are modified link plates with bent lugs on one side or both sides, with one hole.

M35, M1 :

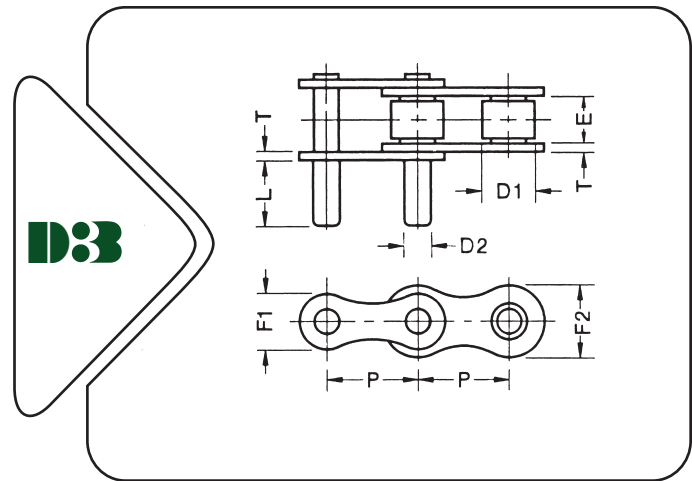
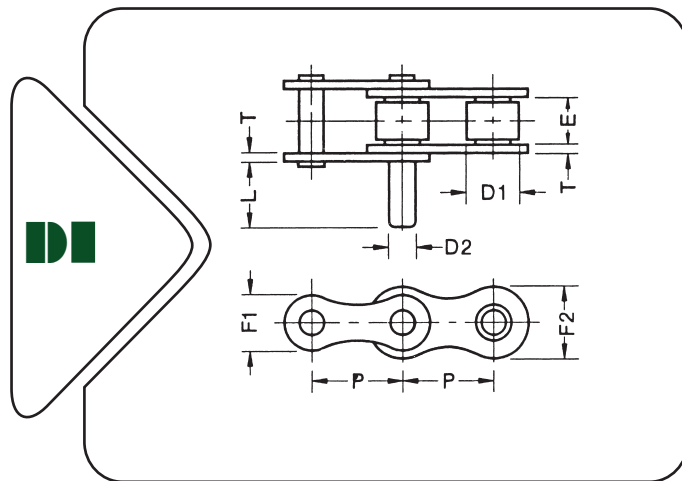
These are straight attachments which are modified link plates with straight lugs on one side or both sides, with one hole.

WA-1, WA-2, WK-1, WK-2 :

These are wide contour bent attachments which are bent link plates with full link plate width, with one hole or two holes.

WM35, WM1, WM35-2, WM2 :

These are wide contour straight attachments which are modified link plates with straight lugs on one side or both sides, with one hole or two holes.

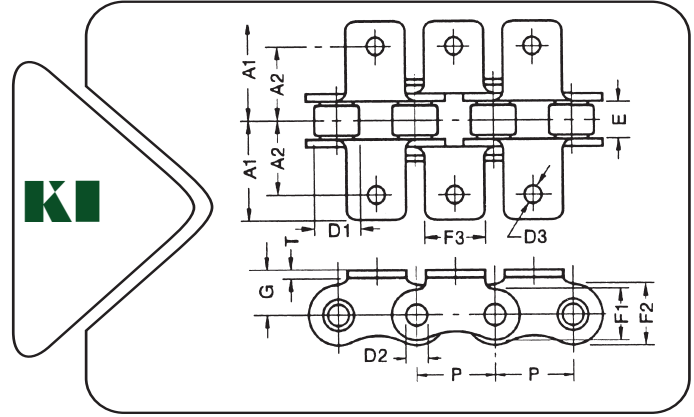
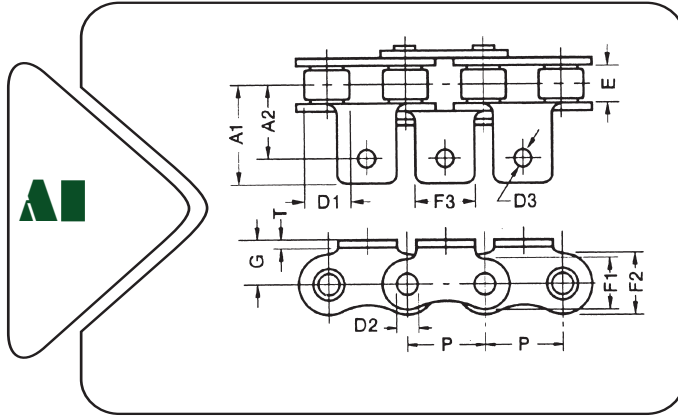


ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin			Links			Avg. Ulti. Tensile Strength kgf	
	P	E		D2	L	T	F1	F2			
	inch	mm		mm	mm	mm	mm	mm			
35	3/8	3/16	9.525	4.78	5.08	3.59	9.52	1.28	7.80	9.04	1050
41	1/2	1/4	12.70	6.35	7.77	3.59	9.52	1.28	8.50	9.90	1250
40	1/2	5/16	12.70	7.92	7.92	3.98	9.52	1.49	10.41	12.06	1830
50	5/8	3/8	15.875	9.52	10.16	5.09	11.91	2.01	13.01	15.08	3000
60	3/4	1/2	19.05	12.70	11.91	5.96	14.27	2.38	15.64	18.09	4085
80	1	5/8	25.4	15.88	15.87	7.94	19.05	3.18	20.82	24.13	7955
100	1-1/4	3/4	31.75	19.05	19.05	9.54	23.83	3.99	26.03	30.16	11500
120	1-1/2	1	38.1	25.40	22.22	11.11	28.58	4.80	31.24	36.19	15590
140	1-3/4	1	44.45	25.40	25.40	12.71	33.32	5.57	36.44	42.22	20960

NOTE : For Chain No.35,D1 = Bushing Diameter.

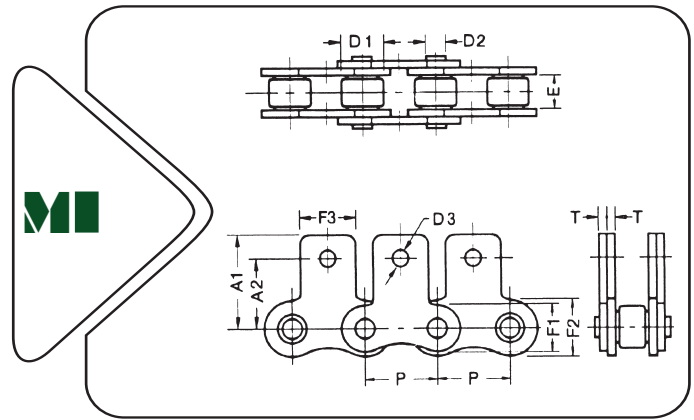
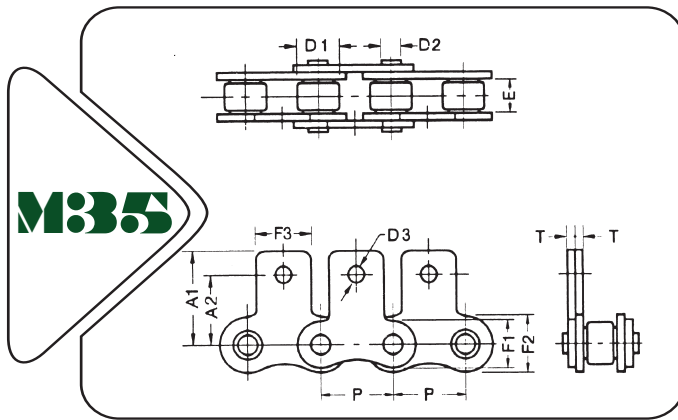


ANSI STD ROLLER CHAIN ATTACHMENT



ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin D2 mm	Links			Attachment					Avg. Ulti. Tensile Strength kgf		
	P	E			T	F1	F2	A1	A2	F3	D3	G			
	inch	mm			mm	mm	mm	mm	mm	mm	mm	mm			
35	3/8	x 3/16	9.525	x 4.78	5.08	3.59	1.28	7.80	9.04	13.10	9.52	7.94	2.78	6.35	1050
41	1/2	x 1/4	12.70	x 6.35	7.77	3.59	1.28	8.50	9.90	16.27	11.90	9.52	3.57	7.14	1250
40	1/2	x 5/16	12.70	x 7.92	7.92	3.98	1.49	10.41	12.06	17.47	12.70	9.52	3.57	7.92	1830
50	5/8	x 3/8	15.875	x 9.52	10.16	5.09	2.01	13.01	15.08	24.60	15.88	14.28	5.16	10.31	3000
60	3/4	x 1/2	19.05	x 12.70	11.91	5.96	2.38	15.64	18.09	27.78	19.05	15.88	5.16	11.91	4085
80	1	x 5/8	25.4	x 15.88	15.87	7.94	3.18	20.82	24.13	39.29	25.40	19.05	6.75	15.88	7955
100	1-1/4	x 3/4	31.75	x 19.05	19.05	9.54	3.99	26.03	30.16	43.00	31.75	25.40	8.33	19.84	11500
120	1-1/2	x 1	38.1	x 25.40	22.22	11.11	4.80	31.24	36.19	53.00	38.10	28.58	9.92	23.01	15590

NOTE : For Chain No.35, D1= Bushing Diameter.

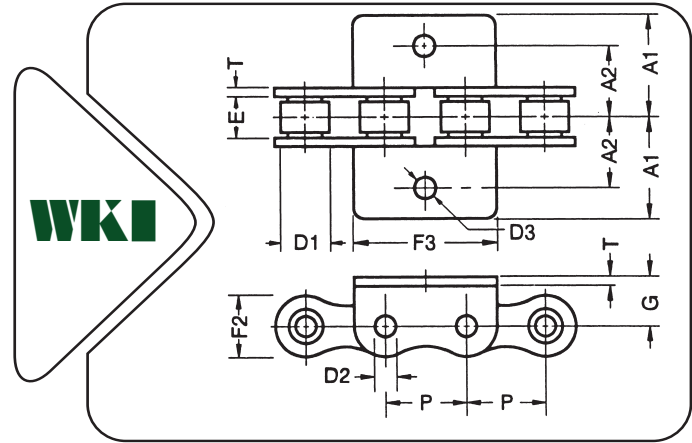
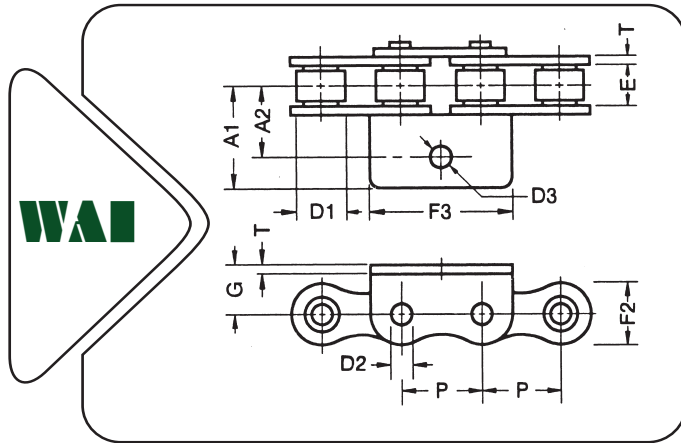


ANSI Chain No.	Pitch x Width		Roller D1 mm	Pin D2 mm	Links			Attachment				Avg. Ulti. Tensile Strength kgf		
	P	E			T	F1	F2	A1	A2	F3	D3			
	inch	mm			mm	mm	mm	mm	mm	mm	mm			
35	3/8	x 3/16	9.525	x 4.78	5.08	3.59	1.28	7.80	9.04	13.49	9.52	7.94	2.78	1050
41	1/2	x 1/4	12.70	x 6.35	7.77	3.59	1.28	8.50	9.90	16.46	12.70	9.52	3.57	1250
40	1/2	x 5/16	12.70	x 7.92	7.92	3.98	1.49	10.41	12.06	17.46	12.70	9.52	3.57	1830
50	5/8	x 3/8	15.875	x 9.52	10.16	5.09	2.01	13.01	15.08	24.45	15.88	14.28	5.16	3000
60	3/4	x 1/2	19.05	x 12.70	11.91	5.96	2.38	15.64	18.09	26.19	18.26	15.88	5.16	4085
80	1	x 5/8	25.4	x 15.88	15.87	7.94	3.18	20.82	24.13	34.00	24.61	19.05	6.75	7955
100	1-1/4	x 3/4	31.75	x 19.05	19.05	9.54	3.99	26.03	30.16	41.86	31.75	25.40	8.33	11500
120	1-1/2	x 1	38.1	x 25.40	22.22	11.11	4.80	31.24	36.19	49.73	36.53	28.58	9.92	15590

NOTE : For Chain No.35, D1= Bushing Diameter.

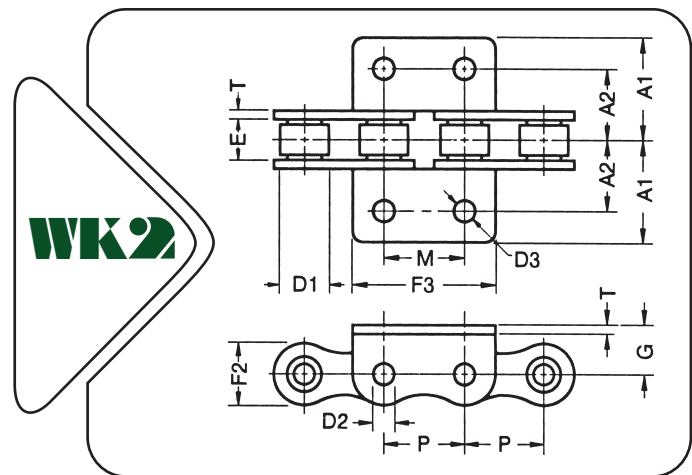
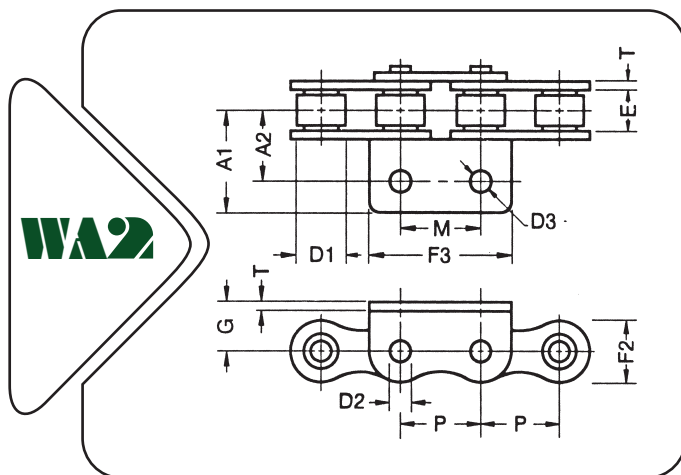


ANSI STD ROLLER CHAIN ATTACHMENT



ANSI Chain No.	Pitch x Width		Roller D1	Pin D2	Links		Attachment					Avg. Ulti. Tensile Strength kgf		
	P inch	x E mm			T mm	F2 mm	A1 mm	A2 mm	F3 mm	D3 mm	G mm			
35	3/8	x 3/16	9.525	x 4.78	5.08	3.59	1.28	9.04	14.38	9.52	18.33	2.78	6.35	1050
40	1/2	x 5/16	12.70	x 7.92	7.92	3.98	1.49	12.06	17.46	12.70	23.10	3.57	7.92	1830
50	5/8	x 3/8	15.875	x 9.52	10.16	5.09	2.01	15.08	24.70	15.88	28.72	5.16	10.31	3000
60	3/4	x 1/2	19.05	x 12.70	11.91	5.96	2.38	18.09	26.99	19.05	36.25	5.16	11.91	4085
80	1	x 5/8	25.4	x 15.88	15.87	7.94	3.18	24.13	35.23	25.40	48.64	6.75	15.88	7955

NOTE : For Chain No.35, D1= Bushing Diameter.

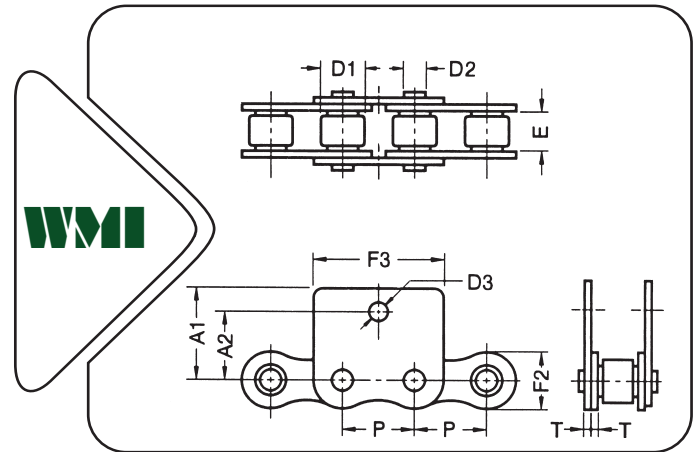
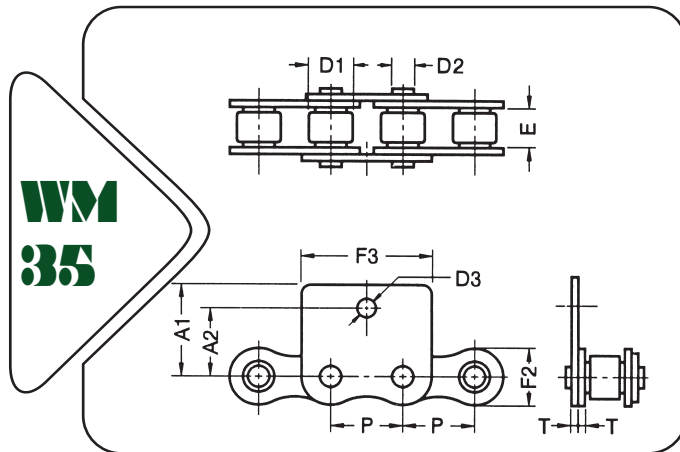


ANSI Chain No.	Pitch x Width		Roller D1	Pin D2	Links		Attachment					Avg. Ulti. Tensile Strength kgf			
	P inch	x E mm			T mm	F2 mm	A1 mm	A2 mm	F3 mm	D3 mm	G mm		M mm		
35	3/8	x 3/16	9.525	x 4.78	5.08	3.59	1.28	9.04	14.38	9.52	18.33	2.78	6.35	9.52	1050
40	1/2	x 5/16	12.70	x 7.92	7.92	3.98	1.49	12.06	17.46	12.70	23.10	3.57	7.92	12.70	1830
50	5/8	x 3/8	15.875	x 9.52	10.16	5.09	2.01	15.08	24.70	15.88	28.72	5.16	10.31	15.88	3000
60	3/4	x 1/2	19.05	x 12.70	11.91	5.96	2.38	18.09	26.99	19.05	36.25	5.16	11.91	19.05	4085
80	1	x 5/8	25.4	x 15.88	15.87	7.94	3.18	24.13	35.23	25.40	48.64	6.75	15.88	25.40	7955

NOTE : For Chain No.35, D1= Bushing Diameter.

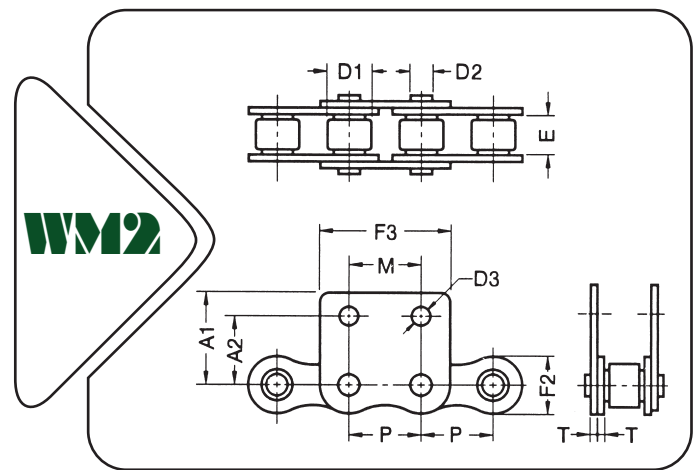
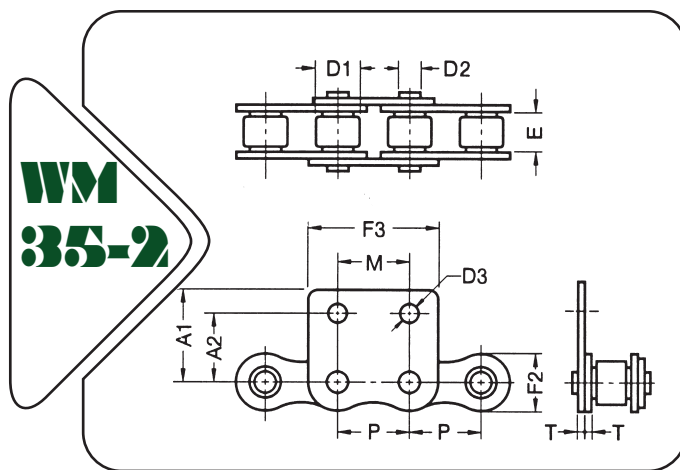


ANSI STD ROLLER CHAIN ATTACHMENT



ANSI Chain No.	Pitch x Width		Roller D1	Pin D2	Links		Attachment				Avg. Ulti. Tensile Strength kgf
	P	E			T	F2	A1	A2	F3	D3	
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	
35	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.68	9.52	18.33	2.78	1050
40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.30	12.70	23.10	3.57	1830
50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.61	15.88	28.72	5.16	3000
60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.11	18.26	36.25	5.16	4085
80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	34.25	24.61	48.64	6.75	7955

NOTE : For Chain No.35, D1= Bushing Diameter.



ANSI Chain No.	Pitch x Width		Roller D1	Pin D2	Links		Attachment					Avg. Ulti. Tensile Strength kgf
	P	E			T	F2	A1	A2	F3	D3	M	
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm		
35	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.68	9.52	18.33	2.78	9.52	1050
40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.30	12.70	23.10	3.57	12.70	1830
50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.61	15.88	28.72	5.16	15.88	3000
60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.11	18.26	36.25	5.16	19.05	4085
80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	34.25	24.61	48.64	6.75	25.40	7955

NOTE : For Chain No.35, D1= Bushing Diameter.