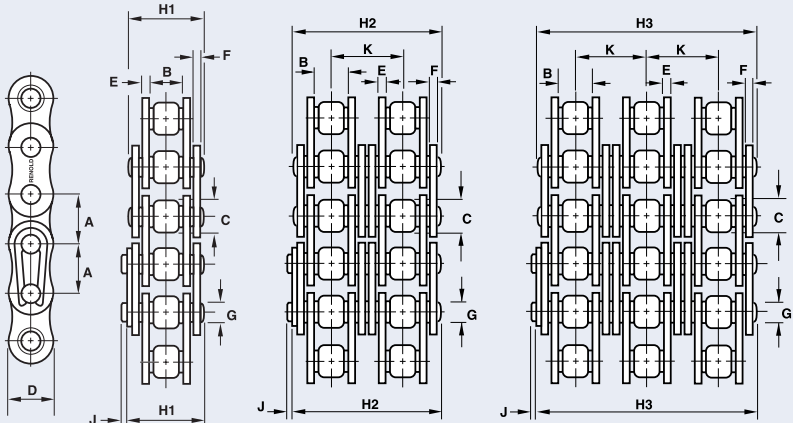


Standard Chain



ANSI Standard Roller Chain

25



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
25	1	0.250	0.122	0.130	0.237	0.030	0.030	0.091	0.359	0.031	—	780	140	0.09
25-2	2	0.250	0.122	0.130	0.237	0.030	0.030	0.091	0.611	0.031	0.252	1,560	240	0.17
25-3	3	0.250	0.122	0.130	0.237	0.030	0.030	0.091	0.859	0.031	0.252	2,340	320	0.26

25 Horsepower Ratings – Single-Strand Roller Chain No. 25

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																								
	50	100	300	365	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	7000	8000	9000	10000	11000	12000
11	0.03	0.06	0.19	0.22	0.30	0.42	0.53	0.70	0.87	1.03	1.20	1.42	1.69	1.69	1.38	1.16	0.99	0.86	0.75	0.60	0.49	0.41	0.35	0.30	0.27
12	0.04	0.07	0.20	0.24	0.33	0.46	0.58	0.76	0.95	1.13	1.31	1.55	1.84	1.92	1.57	1.32	1.12	0.97	0.86	0.68	0.56	0.47	0.40	0.34	0.30
13	0.04	0.08	0.22	0.26	0.36	0.49	0.63	0.83	1.03	1.22	1.42	1.67	1.99	2.17	1.77	1.49	1.27	1.10	0.96	0.77	0.63	0.53	0.45	0.39	0.34
14	0.04	0.08	0.24	0.28	0.38	0.53	0.68	0.89	1.10	1.32	1.52	1.80	2.15	2.42	1.98	1.66	1.42	1.23	1.08	0.86	0.70	0.59	0.50	0.43	0.38
15	0.05	0.09	0.25	0.30	0.41	0.57	0.72	0.95	1.18	1.41	1.63	1.93	2.30	2.67	2.20	1.84	1.57	1.36	1.20	0.95	0.78	0.65	0.56	0.48	0.42
16	0.05	0.09	0.27	0.32	0.44	0.61	0.77	1.02	1.26	1.50	1.74	2.06	2.45	2.85	2.42	2.03	1.73	1.50	1.32	1.05	0.86	0.72	0.61	0.53	0.47
17	0.05	0.10	0.29	0.35	0.47	0.64	0.82	1.08	1.34	1.60	1.85	2.19	2.61	3.02	2.65	2.22	1.90	1.64	1.44	1.14	0.94	0.79	0.67	0.58	0.51
18	0.05	0.11	0.30	0.37	0.49	0.68	0.87	1.15	1.42	1.69	1.96	2.32	2.76	3.20	2.89	2.42	2.07	1.79	1.57	1.25	1.02	0.86	0.73	0.63	0.56
19	0.06	0.11	0.32	0.39	0.52	0.72	0.92	1.21	1.50	1.78	2.07	2.45	2.91	3.38	3.13	2.62	2.24	1.94	1.70	1.35	1.11	0.93	0.79	0.69	
20	0.06	0.12	0.34	0.41	0.55	0.76	0.97	1.27	1.58	1.88	2.18	2.58	3.07	3.56	3.38	2.83	2.42	2.10	1.84	1.46	1.20	1.00	0.86	0.74	
21	0.06	0.12	0.35	0.43	0.58	0.80	1.01	1.34	1.66	1.97	2.29	2.70	3.22	3.74	3.64	3.05	2.60	2.26	1.98	1.57	1.29	1.08	0.92		
22	0.07	0.13	0.37	0.45	0.60	0.83	1.06	1.40	1.73	2.07	2.40	2.83	3.37	3.91	3.9	3.27	2.79	2.42	2.12	1.69	1.38	1.16	0.99		
23	0.07	0.13	0.39	0.47	0.63	0.87	1.11	1.46	1.81	2.16	2.51	2.96	3.53	4.09	4.17	3.50	2.98	2.59	2.27	1.80	1.47	1.24	1.04		
24	0.07	0.14	0.40	0.49	0.66	0.91	1.16	1.53	1.89	2.25	2.61	3.09	3.68	4.27	4.45	3.73	3.18	2.76	2.42	1.92	1.57	1.32	0.22		
25	0.08	0.15	0.42	0.51	0.69	0.95	1.21	1.59	1.97	2.35	2.72	3.22	3.84	4.45	4.73	3.96	3.38	2.93	2.57	2.04	1.67	1.40			
26	0.08	0.15	0.44	0.53	0.71	0.99	1.26	1.65	2.05	2.44	2.83	3.35	3.99	4.62	5.01	4.20	3.59	3.11	2.73	2.17	1.77	1.49			
28	0.08	0.16	0.47	0.57	0.77	1.06	1.35	1.78	2.21	2.63	3.05	3.61	4.30	4.98	5.60	4.70	4.01	3.47	3.05	2.42	1.98				
30	0.09	0.18	0.50	0.61	0.82	1.14	1.45	1.91	2.37	2.82	3.27	3.86	4.60	5.34	6.07	5.21	4.45	3.85	3.38	2.68	1.98				
32	0.10	0.19	0.54	0.65	0.88	1.21	1.55	2.04	2.52	3.01	3.49	4.12	4.91	5.69	6.47	5.74	4.90	4.25	3.73	2.96	0.35				
35	0.11	0.21	0.59	0.71	0.96	1.33	1.69	2.23	2.76	3.29	3.81	4.51	5.37	6.23	7.08	6.56	5.60	4.86	4.26	2.76					
40	0.12	0.23	0.67	0.81	1.10	1.52	1.93	2.55	3.15	3.76	4.36	5.15	6.14	7.11	8.09	8.02	6.85	5.93	4.91						
45	0.14	0.26	0.76	0.91	1.24	1.71	2.17	2.86	3.55	4.23	4.90	5.79	6.90	8.00	9.10	9.57	8.17	5.23	4.38						

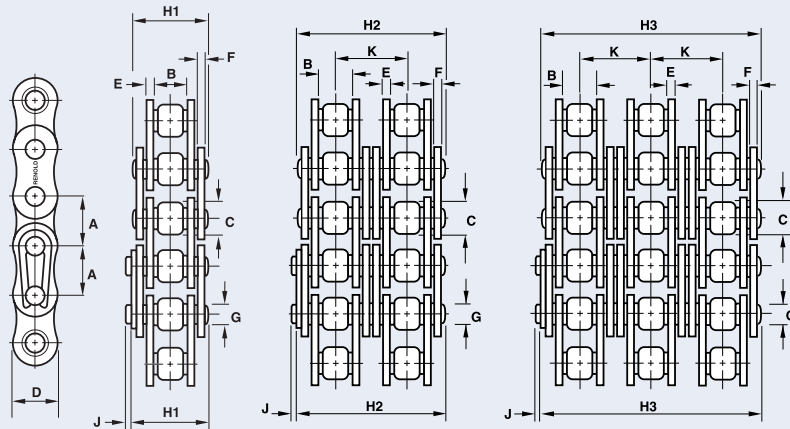
Type A

Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
35	1	0.375	0.184	0.200	0.357	0.050	0.050	0.141	0.473	0.043	—	1,760	480	0.23
35-2	2	0.375	0.184	0.200	0.357	0.050	0.050	0.141	0.875	0.043	0.399	3,520	810	0.47
35-3	3	0.375	0.184	0.200	0.357	0.050	0.050	0.141	1.269	0.043	0.399	5,280	1,200	0.70
35-4	4	0.375	0.184	0.200	0.357	0.050	0.050	0.141	1.665	0.043	0.399	7,040	1,580	0.94
35-5	5	0.375	0.184	0.200	0.357	0.050	0.050	0.141	2.063	0.043	0.399	8,880	1,870	1.17
35-6	6	0.375	0.184	0.200	0.357	0.050	0.050	0.141	2.462	0.043	0.399	10,560	2,200	1.41

35 Horsepower Ratings – Single-Strand Roller Chain No. 35

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																								
	50	100	200	240	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	9000	10000
11	0.11	0.22	0.42	0.50	1.02	1.41	1.80	2.37	2.93	3.49	4.05	3.86	2.94	2.33	1.91	1.60	1.37	1.18	1.04	0.92	0.82	0.74	0.67	0.57	0.48
12	0.12	0.24	0.46	0.55	1.11	1.54	1.96	2.58	3.20	3.81	4.42	4.40	3.35	2.66	2.17	1.82	1.56	1.35	1.18	1.05	0.94	0.85	0.77	0.64	0.55
13	0.13	0.26	0.50	0.60	1.21	1.67	2.12	2.80	3.47	4.13	4.79	4.96	3.77	3.00	2.45	2.05	1.75	1.52	1.33	1.18	1.06	0.95	0.87	0.73	0.62
14	0.14	0.28	0.54	0.64	1.30	1.80	2.29	3.01	3.73	4.45	5.15	5.55	4.22	3.35	2.74	2.30	1.96	1.70	1.49	1.32	1.18	1.07	0.97	0.81	0.10
15	0.15	0.30	0.58	0.69	1.39	1.92	2.45	3.23	4.00	4.76	5.52	6.15	4.68	3.71	3.04	2.55	2.17	1.88	1.65	1.47	1.31	1.18	1.07	0.90	
16	0.16	0.32	0.62	0.73	1.49	2.05	2.61	3.44	4.26	5.08	5.89	6.77	5.15	4.09	3.35	2.81	2.40	2.08	1.82	1.62	1.45	1.30	1.18	0.44	
17	0.17	0.34	0.65	0.78	1.58	2.18	2.77	3.66	4.53	5.40	6.26	7.40	5.64	4.48	3.67	3.07	2.62	2.27	2.00	1.77	1.58	1.43	1.30		
18	0.18	0.36	0.69	0.83	1.67	2.31	2.94	3.87	4.80	5.72	6.63	7.83	6.15	4.88	3.99	3.35	2.86	2.48	2.17	1.93	1.73	1.56	1.41		
19	0.19	0.38	0.73	0.87	1.76	2.44	3.10	4.09	5.06	6.03	7.00	8.27	6.67	5.29	4.33	3.63	3.10	2.69	2.36	2.09	1.87	1.69	0.05		
20	0.20	0.40	0.77	0.92	1.86	2.56	3.26	4.30	5.33	6.35	7.36	8.71	7.20	5.72	4.68	3.92	3.35	2.90	2.55	2.26	2.02	1.42			
21	0.21	0.42	0.81	0.96	1.95	2.69	3.43	4.52	5.60	6.67	7.73	9.14	7.75	6.15	5.03	4.22	3.60	3.12	2.74	2.43	2.17				
22	0.22	0.44	0.85	1.01	2.04	2.82	3.59	4.73	5.86	6.99	8.10	9.58	8.31	6.59	5.40	4.52	3.86	3.35	2.94	2.61	1.42				
23	0.23	0.46	0.89	1.06	2.14	2.95	3.75	4.95	6.13	7.30	8.47	10.01	8.88	7.05	5.77	4.83	4.13	3.58	3.14	2.79					
24	0.24	0.48	0.92	1.10	2.23	3.08	3.92	5.16	6.40	7.62	8.84	10.45	9.47	7.51	6.15	5.15	4.40	3.81	3.35	2.04					
25	0.25	0.50	0.96	1.15	2.32	3.21	4.08	5.38	6.66	7.94	9.20	10.88	10.07	7.99	6.54	5.48	4.68	4.05	3.56	0.12					
26	0.26	0.51	1.00	1.19	2.41	3.33	4.24	5.59	6.93	8.26	9.57	11.32	10.68	8.47	6.93	5.81	4.96	4.30	3.40						
28	0.29	0.55	1.08	1.28	2.60	3.59	4.57	6.02	7.46	8.89	10.31	12.19	11.93	9.47	7.75	6.49	5.55	4.81							
30	0.31	0.59	1.16	1.38	2.79	3.85	4.90	6.45	8.00	9.53	11.05	13.06	13.23	10.5	8.59	7.20	6.15	2.24							
32	0.33	0.63	1.23	1.47	2.97	4.10	5.22	6.88	8.53	10.16	11.78	13.93	14.58	11.57	9.47	7.93	5.76								
35	0.36	0.69	1.35	1.61	3.25	4.49	5.71	7.53	9.33	11.11	12.89	15.23	16.67	13.23	10.83	8.85	0.34								
40	0.41	0.79	1.54	1.84	3.71	5.13	6.53	8.61	10.66	12.7	14.73	17.41	20.37	16.17	11.04	0.34									
45	0.46	0.89	1.73	2.07	4.18	5.77	7.35	9.68	11.99	14.29	16.57	19.59	23.33	15.56	3.11										

Type A

Type B

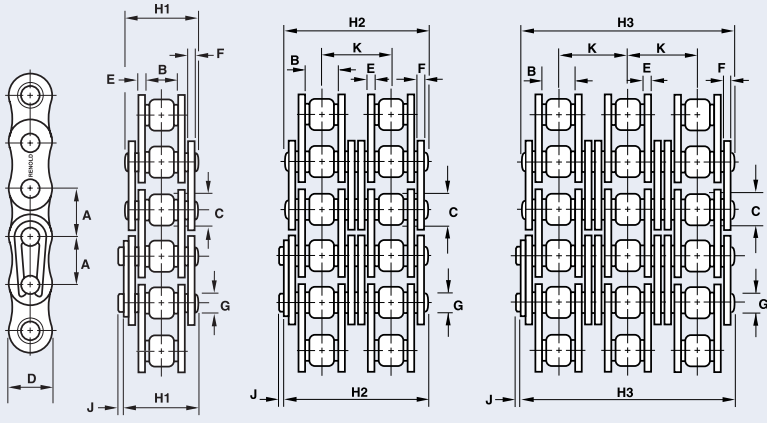
Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

ANSI Standard Roller Chain

40



Dimensions are in inches unless otherwise indicated.

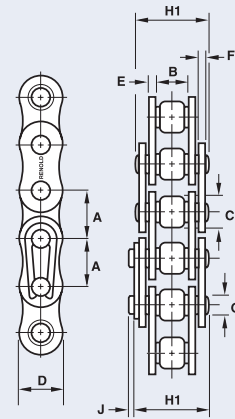
Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
40	1	0.500	0.309	0.312	0.475	0.060	0.060	0.156	0.646	0.055	—	3,125	810	0.40
40-2	2	0.500	0.309	0.312	0.475	0.060	0.060	0.156	1.214	0.055	0.566	6,250	1,370	0.80
40-3	3	0.500	0.309	0.312	0.475	0.060	0.060	0.156	1.777	0.055	0.566	9,375	2,025	1.21
40-4	4	0.500	0.309	0.312	0.475	0.060	0.060	0.156	2.364	0.055	0.566	12,500	2,670	1.65
40-5	5	0.500	0.309	0.312	0.475	0.060	0.060	0.156	2.938	0.055	0.566	15,625	3,160	2.10
40-6	6	0.500	0.309	0.312	0.475	0.060	0.060	0.156	3.505	0.055	0.566	18,750	3,720	2.53

40 Horsepower Ratings – Single-Strand Roller Chain No. 40																								
No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	100	180	200	300	500	700	900	1000	1200	1400	1600	1800	2100	2500	3000	3500	4000	5000	6000	7000	8000
11	0.06	0.14	0.27	0.52	0.91	1.00	1.48	2.42	3.34	4.25	4.70	5.60	6.49	5.57	4.66	3.70	2.85	2.17	1.72	1.41	1.01	0.77	0.61	0.50
12	0.06	0.15	0.29	0.56	0.99	1.09	1.61	2.64	3.64	4.64	5.13	6.11	7.09	6.34	5.31	4.22	3.25	2.47	1.96	1.60	1.15	0.87	0.69	0.57
13	0.07	0.16	0.31	0.61	1.07	1.19	1.75	2.86	3.95	5.02	5.56	6.62	7.68	7.15	5.99	4.76	3.66	2.79	2.21	1.81	1.29	0.98	0.78	
14	0.07	0.17	0.34	0.66	1.15	1.28	1.88	3.08	4.25	5.41	5.98	7.13	8.27	7.99	6.70	5.31	4.09	3.11	2.47	2.02	1.45	1.10	0.87	
15	0.08	0.19	0.36	0.70	1.24	1.37	2.02	3.30	4.55	5.80	6.41	7.64	8.86	8.86	7.43	5.89	4.54	3.45	2.74	2.24	1.60	1.22	0.97	
16	0.08	0.20	0.39	0.75	1.32	1.46	2.15	3.52	4.86	6.18	6.84	8.15	9.45	9.76	8.18	6.49	5.00	3.80	3.02	2.47	1.77	1.34		
17	0.09	0.21	0.41	0.80	1.40	1.55	2.29	3.74	5.16	6.57	7.27	8.66	10.04	10.69	8.96	7.11	5.48	4.17	3.31	2.71	1.94	1.47		
18	0.09	0.22	0.43	0.84	1.48	1.64	2.42	3.96	5.46	6.95	7.69	9.17	10.63	11.65	9.76	7.75	5.97	4.54	3.60	2.95	2.11	1.60		
19	0.10	0.24	0.46	0.89	1.57	1.73	2.56	4.18	5.77	7.34	8.12	9.68	11.22	12.64	10.59	8.40	6.47	4.92	3.91	3.20	2.29	0.09		
20	0.10	0.25	0.48	0.94	1.65	1.82	2.69	4.39	6.07	7.73	8.55	10.18	11.81	13.42	11.44	9.07	6.99	5.31	4.22	3.45	2.47			
21	0.11	0.26	0.51	0.98	1.73	1.91	2.83	4.61	6.37	8.11	8.98	10.69	12.40	14.10	12.30	9.76	7.52	5.72	4.54	3.71	2.66			
22	0.11	0.27	0.53	1.03	1.81	2.01	2.96	4.83	6.68	8.50	9.40	11.20	12.99	14.77	13.19	10.47	8.06	6.13	4.87	3.98	2.85			
23	0.12	0.28	0.55	1.08	1.90	2.10	3.10	5.05	6.98	8.89	9.83	11.71	13.58	15.44	14.10	11.19	8.62	6.55	5.20	4.26	3.05			
24	0.12	0.30	0.58	1.12	1.98	2.19	3.23	5.27	7.28	9.27	10.26	12.22	14.17	16.11	15.03	11.93	9.18	6.99	5.54	4.54	0.87			
25	0.13	0.31	0.60	1.17	2.06	2.28	3.36	5.49	7.59	9.66	10.69	12.73	14.76	16.78	15.98	12.68	9.76	7.43	5.89	4.82				
26	0.13	0.32	0.63	1.22	2.14	2.37	3.50	5.71	7.89	10.04	11.11	13.24	15.35	17.45	16.95	13.45	10.36	7.88	6.25	5.12				
28	0.14	0.35	0.67	1.31	2.31	2.55	3.77	6.15	8.50	10.82	11.97	14.26	16.53	18.79	18.94	15.03	11.57	8.80	6.99	5.72				
30	0.15	0.37	0.72	1.41	2.47	2.74	4.04	6.59	9.11	11.59	12.82	15.28	17.71	20.14	21.01	16.67	12.84	9.76	7.75	6.34				
32	0.16	0.40	0.77	1.50	2.64	2.92	4.31	7.03	9.71	12.36	13.68	16.30	18.89	21.48	23.14	18.37	14.14	10.76	8.54	1.41				
35	0.18	0.43	0.84	1.64	2.88	3.19	4.71	7.69	10.62	13.52	14.96	17.82	20.67	23.49	26.30	21.01	16.17	12.30	9.76					
40	0.21	0.50	0.96	1.87	3.30	3.65	5.38	8.79	12.14	15.45	17.10	20.37	23.62	26.85	30.06	25.67	19.76	15.03						
45	0.23	0.56	1.08	2.11	3.71	4.10	6.06	9.89	13.66	17.39	19.24	22.92	26.57	30.20	33.82	30.63	23.58	5.53						

Type A Manual or Drip Lubrication • Type B Bath or Disc Lubrication • Type C Oil Stream Lubrication

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

41



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
41	1	0.500	0.246	0.306	0.390	0.050	0.050	0.141	0.571	0.055	—	1,500	500	0.28

41 Horsepower Ratings – Single-Strand Roller Chain No. 41

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	100	180	200	300	500	700	900	1000	1200	1400	1600	1800	2100	2500	3000	3500	4000	5000	6000	7000	8000
11	0.03	0.07	0.15	0.28	0.50	0.55	0.81	1.33	1.84	2.34	2.25	1.71	1.36	1.11	0.93	0.74	0.57	0.43	0.34	0.28	0.20	0.15	0.12	0.10
12	0.03	0.08	0.16	0.31	0.54	0.60	0.89	1.45	2.00	2.55	2.57	1.95	1.55	1.27	1.06	0.84	0.65	0.49	0.39	0.32	0.23	0.17	0.14	0.11
13	0.04	0.09	0.17	0.34	0.59	0.65	0.96	1.57	2.17	2.76	2.89	2.20	1.75	1.43	1.20	0.95	0.73	0.56	0.44	0.36	0.26	0.20	0.16	
14	0.04	0.10	0.19	0.36	0.63	0.70	1.04	1.69	2.34	2.97	3.23	2.46	1.95	1.60	1.34	1.06	0.82	0.62	0.49	0.40	0.29	0.22	0.17	
15	0.04	0.10	0.20	0.39	0.68	0.75	1.11	1.81	2.50	3.19	3.53	2.73	2.17	1.77	1.49	1.18	0.91	0.69	0.55	0.45	0.32	0.24	0.19	
16	0.05	0.11	0.21	0.41	0.73	0.80	1.18	1.93	2.67	3.40	3.76	3.01	2.39	1.95	1.64	1.30	1.00	0.76	0.60	0.49	0.35	0.27		
17	0.05	0.12	0.23	0.44	0.77	0.85	1.26	2.05	2.84	3.61	4.00	3.29	2.61	2.14	1.79	1.42	1.10	0.83	0.66	0.54	0.39	0.29		
18	0.05	0.12	0.24	0.46	0.82	0.90	1.33	2.18	3.00	3.82	4.23	3.59	2.85	2.33	1.95	1.55	1.19	0.91	0.72	0.59	0.42	0.32		
19	0.05	0.13	0.25	0.49	0.86	0.95	1.41	2.30	3.17	4.04	4.47	3.89	3.09	2.53	2.12	1.68	1.29	0.98	0.78	0.64	0.46	0.09		
20	0.06	0.14	0.27	0.52	0.91	1.00	1.48	2.42	3.34	4.25	4.70	4.20	3.33	2.73	2.29	1.81	1.40	1.06	0.84	0.69	0.49			
21	0.06	0.14	0.28	0.54	0.95	1.05	1.55	2.54	3.51	4.46	4.94	4.52	3.59	2.94	2.46	1.95	1.50	1.14	0.91	0.74	0.53			
22	0.06	0.15	0.29	0.57	1.00	1.10	1.63	2.66	3.67	4.67	5.17	4.85	3.85	3.15	2.64	2.09	1.61	1.23	0.97	0.80	0.57			
23	0.07	0.16	0.30	0.59	1.04	1.15	1.70	2.78	3.84	4.89	5.41	5.18	4.11	3.37	2.82	2.24	1.72	1.31	1.04	0.85	0.61			
24	0.07	0.16	0.32	0.62	1.09	1.20	1.78	2.90	4.01	5.10	5.64	5.52	4.38	3.59	3.01	2.39	1.84	1.40	1.11	0.91	0.65			
25	0.07	0.17	0.33	0.64	1.13	1.25	1.85	3.02	4.17	5.31	5.88	5.87	4.66	3.81	3.20	2.54	1.95	1.49	1.18	0.96				
26	0.07	0.18	0.34	0.67	1.18	1.30	1.92	3.14	4.34	5.52	6.11	6.23	4.94	4.05	3.39	2.69	2.07	1.58	1.25	1.02				
28	0.08	0.19	0.37	0.72	1.27	1.40	2.07	3.38	4.67	5.95	6.58	6.96	5.52	4.52	3.79	3.01	2.31	1.76	1.40	1.14				
30	0.08	0.20	0.40	0.77	1.36	1.50	2.22	3.63	5.01	6.37	7.05	7.72	6.13	5.01	4.20	3.33	2.57	1.95	1.55	1.27				
32	0.09	0.22	0.42	0.82	1.45	1.60	2.37	3.87	5.34	6.80	7.52	8.50	6.75	5.52	4.63	3.67	2.83	2.15	1.71	1.40				
35	0.10	0.24	0.46	0.90	1.59	1.76	2.59	4.23	5.84	7.44	8.23	9.80	7.72	6.32	5.29	4.20	3.23	2.46	1.95					
40	0.11	0.27	0.53	1.03	1.81	2.01	2.96	4.83	6.68	8.50	9.40	11.20	9.43	7.72	6.47	5.13	3.95	3.01						
45	0.13	0.31	0.60	1.16	2.04	2.26	3.33	5.44	7.51	9.56	10.58	12.60	11.25	9.21	7.72	6.13	4.72	3.59						

Type A

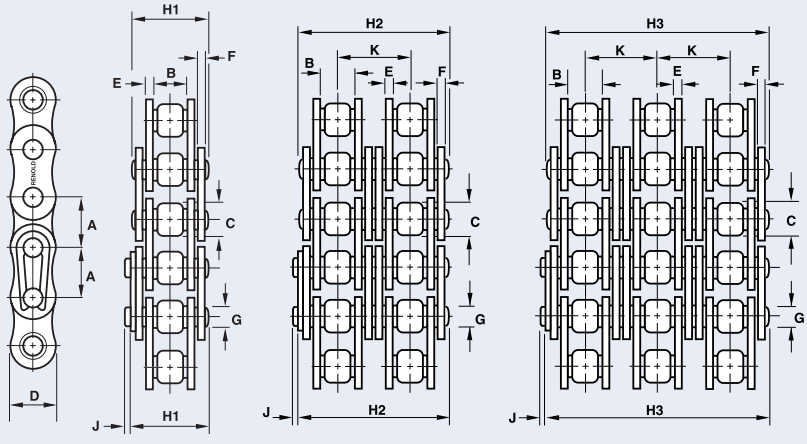
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

ANSI Standard Roller Chain

50



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
50	1	0.625	0.370	0.400	0.594	0.080	0.080	0.200	0.804	0.043	—	4,880	1,400	0.67
50-2	2	0.625	0.370	0.400	0.594	0.080	0.080	0.200	1.513	0.043	0.713	9,760	2,380	1.34
50-3	3	0.625	0.370	0.400	0.594	0.080	0.080	0.200	2.226	0.043	0.713	14,640	3,500	2.01
50-4	4	0.625	0.370	0.400	0.594	0.080	0.080	0.200	2.963	0.043	0.713	19,520	4,620	2.68
50-5	5	0.625	0.370	0.400	0.594	0.080	0.080	0.200	3.672	0.043	0.713	24,400	5,460	3.35
50-6	6	0.625	0.370	0.400	0.594	0.080	0.080	0.200	4.385	0.043	0.713	29,280	6,440	4.02

50 Horsepower Ratings – Single-Strand Roller Chain No. 50

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	100	140	200	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
11	0.11	0.27	0.52	1.00	1.39	1.95	2.88	4.70	6.50	8.27	10.24	7.33	5.58	4.42	3.41	2.59	2.06	1.68	1.41	1.20	1.04	0.92	0.81	0.73
12	0.12	0.29	0.56	1.09	1.51	2.13	3.14	5.13	7.09	9.02	11.67	8.35	6.35	5.04	3.88	2.95	2.34	1.92	1.61	1.37	1.19	1.04	0.93	
13	0.13	0.31	0.61	1.19	1.64	2.31	3.40	5.56	7.68	9.77	12.88	9.42	7.16	5.69	4.38	3.33	2.64	2.16	1.81	1.55	1.34	1.18		
14	0.14	0.34	0.66	1.28	1.76	2.48	3.67	5.99	8.27	10.53	13.87	10.52	8.01	6.35	4.89	3.72	2.95	2.42	2.03	1.73	1.50	0.28		
15	0.15	0.36	0.70	1.37	1.89	2.66	3.93	6.41	8.86	11.28	14.86	11.67	8.88	7.05	5.42	4.13	3.27	2.68	2.25	1.92	1.66			
16	0.16	0.39	0.75	1.46	2.02	2.84	4.19	6.84	9.45	12.03	15.85	12.86	9.78	7.76	5.98	4.55	3.61	2.95	2.47	2.11				
17	0.17	0.41	0.80	1.55	2.14	3.02	4.45	7.27	10.04	12.78	16.85	14.08	10.71	8.50	6.55	4.98	3.95	3.23	2.71	2.31				
18	0.18	0.43	0.84	1.64	2.27	3.19	4.71	7.70	10.63	13.53	17.84	15.34	11.67	9.26	7.13	5.42	4.30	3.52	2.95	0.05				
19	0.19	0.46	0.89	1.73	2.39	3.37	4.98	8.12	11.22	14.28	18.83	16.64	12.66	10.05	7.73	5.88	4.67	3.82	3.20					
20	0.20	0.48	0.94	1.82	2.52	3.55	5.24	8.55	11.81	15.04	19.82	17.97	13.67	10.85	8.35	6.35	5.04	4.13	3.46					
21	0.21	0.51	0.98	1.92	2.65	3.73	5.50	8.98	12.40	15.79	20.81	19.34	14.71	11.67	8.99	6.84	5.42	4.44						
22	0.22	0.53	1.03	2.01	2.77	3.90	5.76	9.41	12.99	16.54	21.80	20.73	15.77	12.52	9.64	7.33	5.82	4.76						
23	0.23	0.55	1.08	2.10	2.90	4.08	6.02	9.83	13.58	17.29	22.79	22.16	16.86	13.38	10.30	7.84	6.22	5.09						
24	0.24	0.58	1.13	2.19	3.02	4.26	6.28	10.26	14.18	18.04	23.78	23.62	17.97	14.26	10.98	8.35	6.63	1.36						
25	0.25	0.60	1.17	2.28	3.15	4.44	6.55	10.69	14.77	18.79	24.77	25.11	19.11	15.16	11.67	8.88	7.05							
26	0.26	0.63	1.22	2.37	3.28	4.61	6.81	11.12	15.36	19.55	25.76	26.64	20.26	16.08	12.38	9.42	7.47							
28	0.28	0.67	1.31	2.55	3.53	4.97	7.33	11.97	16.54	21.05	27.75	29.77	22.65	17.97	13.84	10.52	4.74							
30	0.30	0.72	1.41	2.74	3.78	5.32	7.86	12.83	17.72	22.55	29.73	33.01	25.11	19.93	15.34	11.67								
32	0.32	0.77	1.50	2.92	4.03	5.68	8.38	13.68	18.90	24.06	31.71	36.37	27.67	21.96	16.90	12.86								
35	0.35	0.84	1.64	3.19	4.41	6.21	9.16	14.97	20.67	26.31	34.68	41.60	31.65	25.11	19.34	0.94								
40	0.40	0.96	1.88	3.65	5.04	7.10	10.47	17.10	23.63	30.07	39.64	49.11	38.67	30.68	23.62									
45	0.45	1.08	2.11	4.10	5.67	7.98	11.78	19.24	26.58	33.83	44.59	55.24	46.14	36.61	8.64									

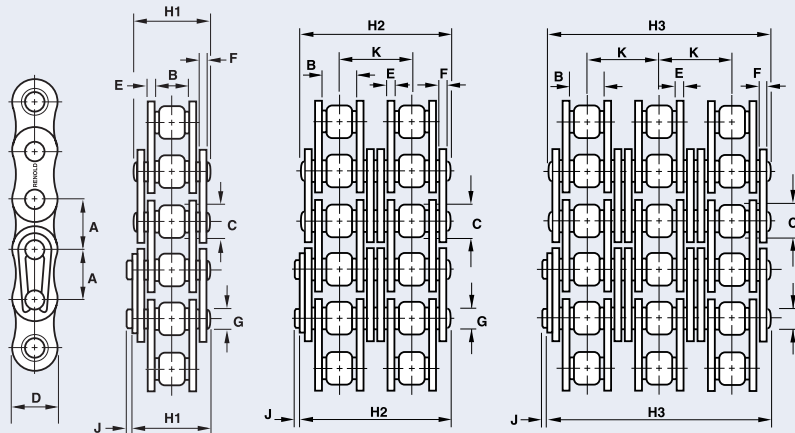
Type A

Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
60	1	0.750	0.495	0.469	0.713	0.094	0.094	0.235	0.997	0.043	—	7,030	1,950	0.98
60-2	2	0.750	0.495	0.469	0.713	0.094	0.094	0.235	1.895	0.043	0.897	14,060	3,315	1.98
60-3	3	0.750	0.495	0.469	0.713	0.094	0.094	0.235	2.793	0.043	0.897	21,090	4,875	2.97
60-4	4	0.750	0.495	0.469	0.713	0.094	0.094	0.235	3.719	0.043	0.897	28,120	6,435	3.97
60-5	5	0.750	0.495	0.469	0.713	0.094	0.094	0.235	4.606	0.043	0.897	35,150	7,600	4.96
60-6	6	0.750	0.495	0.469	0.713	0.094	0.094	0.235	5.524	0.043	0.897	42,180	8,970	5.80

60 Horsepower Ratings – Single-Strand Roller Chain No. 60

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	100	120	200	300	400	500	600	800	1000	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500	5000	5500
11	0.19	0.46	0.89	1.72	2.05	3.35	4.95	6.52	8.08	9.63	12.69	15.58	11.85	9.41	7.70	6.45	5.51	3.94	3.00	2.38	1.95	1.63	1.39	1.21
12	0.21	0.50	0.97	1.88	2.24	3.66	5.40	7.12	8.82	10.51	13.85	17.15	13.51	10.72	8.77	7.35	6.28	4.49	3.42	2.71	2.22	1.86	1.59	1.38
13	0.22	0.54	1.05	2.04	2.43	3.96	5.85	7.71	9.55	11.38	15.00	18.58	15.23	12.08	9.89	8.29	7.08	5.06	3.85	3.06	2.50	2.10	1.79	
14	0.24	0.58	1.13	2.19	2.61	4.27	6.30	8.30	10.29	12.26	16.15	20.01	17.02	13.51	11.05	9.26	7.91	5.66	4.31	3.42	2.80	2.34	0.41	
15	0.26	0.62	1.21	2.35	2.80	4.57	6.75	8.90	11.02	13.13	17.31	21.44	18.87	14.98	12.26	10.27	8.77	6.28	4.77	3.79	3.10	2.60		
16	0.27	0.66	1.29	2.51	2.99	4.88	7.20	9.49	11.76	14.01	18.46	22.87	20.79	16.50	13.51	11.32	9.66	6.91	5.26	4.17	3.42	1.78		
17	0.29	0.70	1.37	2.66	3.17	5.18	7.65	10.08	12.49	14.88	19.62	24.30	22.77	18.07	14.79	12.40	10.58	7.57	5.76	4.57	3.74			
18	0.31	0.75	1.45	2.82	3.36	5.49	8.10	10.68	13.23	15.76	20.77	25.73	24.81	19.69	16.11	13.51	11.53	8.25	6.28	4.98	4.08			
19	0.33	0.79	1.53	2.98	3.55	5.79	8.55	11.27	13.96	16.63	21.92	27.16	26.91	21.35	17.48	14.65	12.50	8.95	6.81	5.40	0.20			
20	0.34	0.83	1.61	3.13	3.73	6.10	9.00	11.86	14.70	17.51	23.08	28.59	29.06	23.06	18.87	15.82	13.51	9.66	7.35	5.83				
21	0.36	0.87	1.69	3.29	3.92	6.40	9.45	12.46	15.43	18.38	24.23	30.02	31.26	24.81	20.31	17.02	14.53	10.40	7.91	6.28				
22	0.38	0.91	1.77	3.45	4.11	6.71	9.90	13.05	16.17	19.26	25.39	31.45	33.52	26.60	21.77	18.25	15.58	11.15	8.48					
23	0.40	0.95	1.85	3.61	4.29	7.01	10.35	13.64	16.90	20.13	26.54	32.88	35.84	28.44	23.28	19.51	16.66	11.92	9.07					
24	0.41	0.99	1.93	3.76	4.48	7.32	10.80	14.24	17.64	21.01	27.69	34.31	38.20	30.31	24.81	20.79	17.75	12.70	9.66					
25	0.43	1.04	2.01	3.92	4.67	7.62	11.25	14.83	18.37	21.89	28.85	35.74	40.61	32.23	26.38	22.11	18.87	13.51	10.27					
26	0.45	1.08	2.09	4.08	4.85	7.93	11.70	15.42	19.11	22.76	30.00	37.17	43.07	34.18	27.98	23.44	20.02	14.32	10.90					
28	0.48	1.16	2.26	4.39	5.23	8.54	12.60	16.61	20.58	24.51	32.31	40.03	47.68	38.20	31.26	26.20	22.37	16.01						
30	0.52	1.24	2.42	4.70	5.60	9.15	13.50	17.79	22.05	26.26	34.62	42.89	51.09	42.36	34.67	29.06	24.81	17.75						
32	0.55	1.33	2.58	5.02	5.98	9.76	14.40	18.98	23.52	28.01	36.92	45.75	54.50	46.67	38.20	32.01	27.33	19.56						
35	0.60	1.45	2.82	5.49	6.54	10.67	15.75	20.76	25.72	30.64	40.39	50.03	59.60	53.38	43.69	36.62	31.26	1.35						
40	0.69	1.66	3.22	6.27	7.47	12.20	18.00	23.73	29.39	35.02	46.16	57.18	68.12	65.22	53.38	44.74	38.20							
45	0.77	1.86	3.63	7.05	8.40	13.72	20.25	26.69	33.07	39.39	51.92	64.33	76.63	77.83	63.70	53.38	12.45							

Type A

Type B

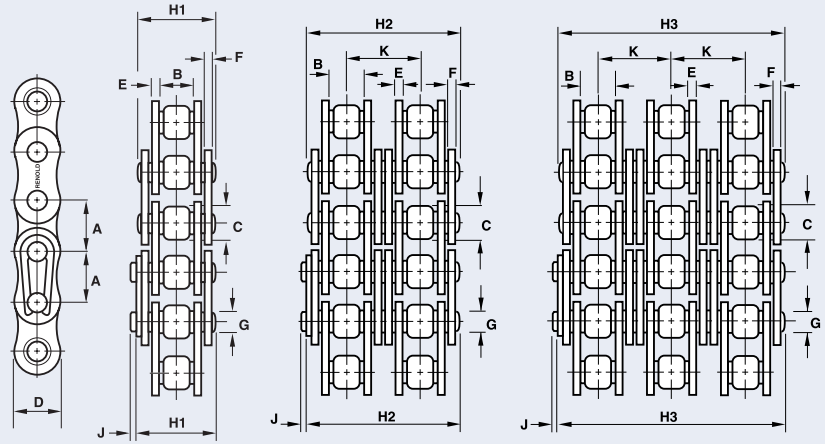
Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

ANSI Standard Roller Chain

80



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
			A	B	C	D	E	F	G	H	J	K	Lbs	Lbs
80	1	1.000	0.620	0.625	0.950	0.125	0.125	0.313	1.288	0.118	—	12,500	3,300	1.88
80-2	2	1.000	0.620	0.625	0.950	0.125	0.125	0.313	2.439	0.118	1.153	25,000	5,610	3.69
80-3	3	1.000	0.620	0.625	0.950	0.125	0.125	0.313	3.593	0.118	1.153	37,500	8,250	5.56
80-4	4	1.000	0.620	0.625	0.950	0.125	0.125	0.313	4.756	0.118	1.153	50,000	10,890	7.50
80-5	5	1.000	0.620	0.625	0.950	0.125	0.125	0.313	5.906	0.118	1.153	62,500	12,870	9.38
80-6	6	1.000	0.620	0.625	0.950	0.125	0.125	0.313	7.068	0.118	1.153	75,000	15,810	11.26

80 Horsepower Ratings – Single-Strand Roller Chain No. 80

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	75	88	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2500	3000	3500	4000
11	0.44	1.06	2.07	3.05	3.56	4.03	7.83	11.56	15.23	18.87	22.48	26.07	27.41	22.97	19.61	14.92	11.84	9.69	8.12	6.93	4.96	3.77	3.00	2.45
12	0.48	1.16	2.26	3.33	3.88	4.39	8.54	12.61	16.62	20.59	24.53	28.44	31.23	26.17	22.35	17.00	13.49	11.04	9.25	7.90	5.65	4.30	3.41	2.79
13	0.52	1.26	2.45	3.61	4.21	4.76	9.26	13.66	18.00	22.31	26.57	30.81	35.02	29.51	25.20	19.17	15.21	12.45	10.43	8.91	6.37	4.85	3.85	3.15
14	0.56	1.35	2.63	3.89	4.53	5.12	9.97	14.71	19.39	24.02	28.62	33.18	37.72	32.98	28.16	21.42	17.00	13.91	11.66	9.96	7.12	5.42	4.30	3.52
15	0.60	1.45	2.82	4.16	4.86	5.49	10.68	15.76	20.77	25.74	30.66	35.55	40.41	36.58	31.23	23.76	18.85	15.43	12.93	11.04	7.90	6.01	4.77	
16	0.64	1.55	3.01	4.44	5.18	5.86	11.39	16.81	22.16	27.45	32.70	37.92	43.11	40.30	34.41	26.17	20.77	17.00	14.25	12.16	8.70	6.62	5.25	
17	0.68	1.64	3.20	4.72	5.50	6.22	12.10	17.86	23.54	29.17	34.75	40.29	45.80	44.13	37.68	28.66	22.75	18.62	15.60	13.32	9.53	7.25		
18	0.72	1.74	3.39	5.00	5.83	6.59	12.81	18.91	24.93	30.88	36.79	42.66	48.49	48.08	41.05	31.23	24.78	20.29	17.00	14.51	10.39	7.90		
19	0.76	1.84	3.57	5.28	6.15	6.95	13.53	19.96	26.31	32.60	38.84	45.03	51.19	52.15	44.52	33.87	26.88	22.00	18.44	15.74	11.26	0.36		
20	0.80	1.93	3.76	5.55	6.47	7.32	14.24	21.01	27.70	34.32	40.88	47.40	53.88	56.32	48.08	36.58	29.03	23.76	19.91	17.00	12.16			
21	0.84	2.03	3.95	5.83	6.80	7.69	14.95	22.07	29.08	36.03	42.92	49.77	56.58	60.59	51.73	39.36	31.23	25.56	21.42	18.29	13.09			
22	0.88	2.13	4.14	6.11	7.12	8.05	15.66	23.12	30.47	37.75	44.97	52.14	59.27	64.97	55.47	42.20	33.49	27.41	22.97	19.61	14.03			
23	0.92	2.22	4.33	6.39	7.45	8.42	16.37	24.17	31.85	39.46	47.01	54.51	61.97	69.38	59.30	45.11	35.80	29.30	24.55	20.97	15.00			
24	0.96	2.32	4.52	6.66	7.77	8.78	17.09	25.22	33.24	41.18	49.06	56.88	64.66	72.40	63.21	48.08	38.16	31.23	26.17	22.35	15.99			
25	1.00	2.42	4.70	6.94	8.09	9.15	17.80	26.27	34.62	42.89	51.10	59.25	67.35	75.42	67.20	51.12	40.57	33.20	27.83	23.76	8.16			
26	1.04	2.51	4.89	7.22	8.42	9.52	18.51	27.32	36.01	44.61	53.14	61.62	70.05	78.43	71.27	54.22	43.02	35.22	29.51	25.20				
28	1.12	2.71	5.27	7.77	9.06	10.25	19.93	29.42	38.78	48.04	57.23	66.36	75.44	84.47	79.65	60.59	48.08	39.36	32.98	28.16				
30	1.20	2.90	5.64	8.33	9.71	10.98	21.36	31.52	41.55	51.47	61.32	71.10	80.82	90.50	88.33	67.20	53.33	43.65	36.58	31.23				
32	1.28	3.09	6.02	8.89	10.36	11.71	22.78	33.62	44.32	54.91	65.41	75.84	86.21	96.53	97.30	74.03	58.75	48.08	40.30	5.65				
35	1.40	3.38	6.58	9.72	11.33	12.81	24.92	36.78	48.47	60.05	71.54	82.95	94.29	105.58	111.31	84.68	67.20	55.00	28.15					
40	1.61	3.87	7.53	11.11	12.95	14.64	28.48	42.03	55.40	68.63	81.76	94.80	107.77	120.67	133.51	103.46	82.10	40.16						
45	1.81	4.35	8.47	12.49	14.57	16.47	32.04	47.28	62.32	77.21	91.98	106.65	121.24	135.75	150.20	123.45	72.28							

Type A

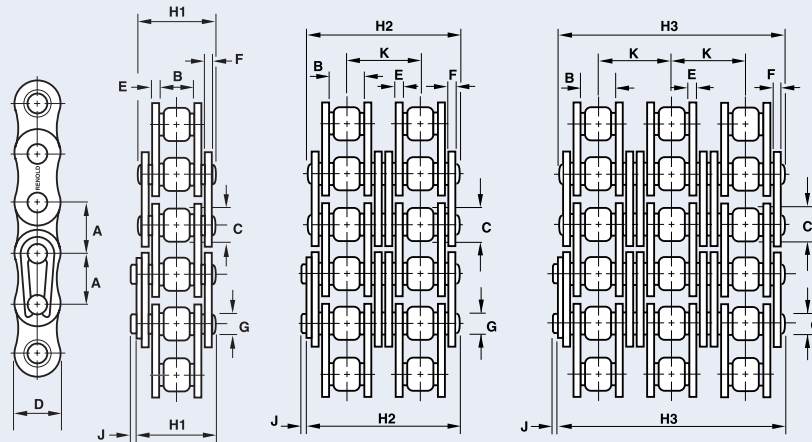
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

100



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
100	1	1.250	0.744	0.750	1.188	0.156	0.156	0.375	1.564	0.165	—	19,530	5,060	2.81
100-2	2	1.250	0.744	0.750	1.188	0.156	0.156	0.375	2.971	0.165	1.408	39,060	8,600	5.63
100-3	3	1.250	0.744	0.750	1.188	0.156	0.156	0.375	4.381	0.165	1.408	58,590	12,650	8.44
100-4	4	1.250	0.744	0.750	1.188	0.156	0.156	0.375	5.796	0.165	1.408	78,120	16,690	11.26
100-5	5	1.250	0.744	0.750	1.188	0.156	0.156	0.375	7.206	0.165	1.408	97,650	19,700	14.07
100-6	6	1.250	0.744	0.750	1.188	0.156	0.156	0.375	8.617	0.165	1.408	117,180	23,200	16.88

100 Horsepower Ratings – Single-Strand Roller Chain No. 100

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																									
	10	25	50	71	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2500	3000	3500	4000	
11	0.85	2.04	3.96	5.55	7.71	11.38	15.00	22.14	29.18	36.15	43.06	40.03	32.77	27.46	23.45	20.32	17.84	14.15	11.58	9.71	8.29	5.93	4.51	3.58		
12	0.92	2.22	4.32	6.05	8.41	12.41	16.36	24.15	31.83	39.44	46.98	45.61	37.33	31.29	26.71	23.16	20.32	16.13	13.20	11.06	9.45	6.76	5.14			
13	1.00	2.41	4.68	6.56	9.11	13.45	17.73	26.16	34.48	42.72	50.89	51.43	42.10	35.28	30.12	26.11	22.92	18.18	14.88	12.47	10.65	7.62	5.80			
14	1.08	2.59	5.04	7.06	9.81	14.48	19.09	28.18	37.14	46.01	54.81	57.48	47.05	39.43	33.66	29.18	25.61	20.32	16.63	13.94	11.90	8.52	1.13			
15	1.15	2.78	5.41	7.57	10.51	15.52	20.45	30.19	39.79	49.30	58.72	63.75	52.18	43.73	37.33	32.36	28.40	22.54	18.45	15.46	13.20	9.45				
16	1.23	2.96	5.77	8.07	11.22	16.55	21.82	32.20	42.44	52.58	62.64	70.23	57.48	48.17	41.13	35.65	31.29	24.83	20.32	17.03	14.54	10.41				
17	1.31	3.15	6.13	8.58	11.92	17.59	23.18	34.21	45.10	55.87	66.55	76.91	62.95	52.76	45.05	39.04	34.27	27.19	22.26	18.65	15.93	11.40				
18	1.38	3.33	6.49	9.08	12.62	18.62	24.55	36.23	47.75	59.15	70.47	81.71	68.59	57.48	49.08	42.54	37.33	29.63	24.25	20.32	17.35	0.18				
19	1.46	3.52	6.85	9.59	13.32	19.66	25.91	38.24	50.40	62.44	74.38	86.25	74.38	62.34	53.22	46.13	40.49	32.13	26.30	22.04	18.82					
20	1.54	3.70	7.21	10.09	14.02	20.69	27.27	40.25	53.05	65.73	78.30	90.79	80.33	67.32	57.48	49.82	43.73	34.70	28.40	23.80	20.32					
21	1.61	3.89	7.57	10.60	14.72	21.73	28.64	42.26	55.71	69.01	82.21	95.33	86.43	72.43	61.85	53.61	47.05	37.33	30.56	25.61	21.87					
22	1.69	4.08	7.93	11.10	15.42	22.76	30.00	44.28	58.36	72.30	86.13	99.87	92.68	77.67	66.31	57.48	50.45	40.03	32.77	27.46	23.45					
23	1.77	4.26	8.29	11.60	16.12	23.79	31.36	46.29	61.01	75.59	90.04	104.41	99.07	83.02	70.89	61.44	53.93	42.79	35.03	29.35	25.06					
24	1.84	4.45	8.65	12.11	16.82	24.83	32.73	48.30	63.66	78.87	93.96	108.95	105.60	88.50	75.56	65.49	57.48	45.61	37.33	31.29	5.43					
25	1.92	4.63	9.01	12.61	17.52	25.86	34.09	50.31	66.32	82.16	97.87	113.48	112.27	94.09	80.33	69.63	61.11	48.49	39.69	33.26						
26	2.00	4.82	9.37	13.12	18.23	26.90	35.45	52.33	68.97	85.45	101.79	118.02	119.07	99.79	85.20	73.85	64.81	51.43	42.10	35.28						
28	2.15	5.19	10.09	14.13	19.63	28.97	38.18	56.35	74.27	92.02	109.62	127.10	133.07	111.52	95.22	82.53	72.43	57.48	47.05							
30	2.31	5.56	10.81	15.14	21.03	31.04	40.91	60.38	79.58	98.59	117.45	136.18	147.58	123.68	105.60	91.53	80.33	63.75	49.40							
32	2.46	5.93	11.53	16.15	22.43	33.11	43.64	64.40	84.88	105.16	125.28	145.26	162.58	136.25	116.33	100.84	88.50	70.23	8.82							
35	2.69	6.48	12.61	17.66	24.53	36.21	47.73	70.44	92.84	115.02	137.02	158.88	180.61	155.85	133.07	115.34	101.23	69.02								
40	3.07	7.41	14.41	20.18	28.04	41.38	54.54	80.50	106.11	131.45	156.60	181.58	206.41	190.42	162.58	140.92	122.68									
45	3.46	8.34	16.22	22.71	31.54	46.55	61.36	90.56	119.37	147.89	176.17	204.27	232.21	227.21	194.00	168.15	34.58									

Type A

Type B

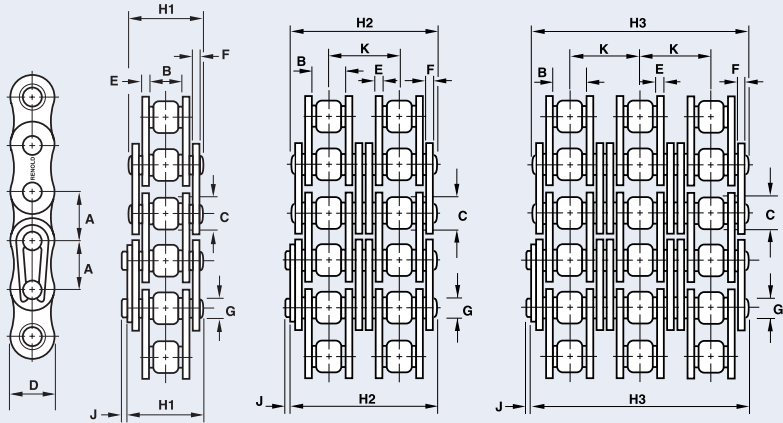
Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

ANSI Standard Roller Chain

120



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
120	1	1.500	0.993	0.875	1.425	0.187	0.187	0.437	1.942	0.209	—	28,125	6,800	3.82
120-2	2	1.500	0.993	0.875	1.425	0.187	0.187	0.437	3.731	0.209	1.789	56,250	11,560	7.37
120-3	3	1.500	0.993	0.875	1.425	0.187	0.187	0.437	5.524	0.209	1.789	84,375	17,000	11.19
120-4	4	1.500	0.993	0.875	1.425	0.187	0.187	0.437	7.317	0.209	1.789	112,500	22,400	15.28
120-5	5	1.500	0.993	0.875	1.425	0.187	0.187	0.437	9.109	0.209	1.789	140,625	26,520	18.36
120-6	6	1.500	0.993	0.875	1.425	0.187	0.187	0.437	10.898	0.209	1.789	168,750	31,280	22.45

120 Horsepower Ratings – Single-Strand Roller Chain No. 120

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	10	25	50	60	75	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2700
11	1.43	3.44	6.69	7.97	9.88	13.02	19.22	25.33	37.38	49.27	61.04	58.37	46.32	37.91	31.77	27.13	20.64	16.38	13.40	11.23	9.59	8.31	7.30	6.11
12	1.56	3.75	7.30	8.70	10.78	14.20	20.96	27.63	40.78	53.75	66.59	66.51	52.78	43.20	36.20	30.91	23.51	18.66	15.27	12.80	10.93	9.47	8.31	6.97
13	1.69	4.07	7.91	9.42	11.67	15.39	22.71	29.93	44.18	58.23	72.14	74.99	59.51	48.71	40.82	34.85	26.51	21.04	17.22	14.43	12.32	10.68	9.37	
14	1.82	4.38	8.52	10.15	12.57	16.57	24.46	32.24	47.58	62.71	77.69	83.81	66.51	54.44	45.62	38.95	29.63	23.51	19.25	16.13	13.77	11.94	10.48	
15	1.95	4.69	9.13	10.87	13.47	17.76	26.20	34.54	50.98	67.19	83.24	92.95	73.76	60.37	50.59	43.20	32.86	26.08	21.34	17.89	15.27	13.24		
16	2.08	5.00	9.74	11.60	14.37	18.94	27.95	36.84	54.37	71.67	88.79	102.39	81.26	66.51	55.74	47.59	36.20	28.73	23.51	19.71	16.83	14.58		
17	2.21	5.32	10.34	12.32	15.27	20.12	29.70	39.14	57.77	76.15	94.34	112.14	88.99	72.84	61.04	52.12	39.65	31.46	25.75	21.58	18.43			
18	2.34	5.63	10.95	13.05	16.16	21.31	31.45	41.45	61.17	80.63	99.89	119.00	96.96	79.36	66.51	56.78	43.20	34.28	28.06	23.51	20.08			
19	2.47	5.94	11.56	13.77	17.06	22.49	33.19	43.75	64.57	85.11	105.44	125.61	105.15	86.06	72.13	61.58	46.85	37.18	30.43	25.50	0.80			
20	2.60	6.26	12.17	14.50	17.96	23.67	34.94	46.05	67.97	89.59	110.99	132.22	113.56	92.95	77.89	66.51	50.59	40.15	32.86	27.54				
21	2.73	6.57	12.78	15.22	18.86	24.86	36.69	48.36	71.37	94.07	116.54	138.83	122.18	100.00	83.81	71.56	54.44	43.20	35.36	27.46				
22	2.86	6.88	13.39	15.95	19.76	26.04	38.43	50.66	74.76	98.55	122.09	145.44	131.01	107.23	89.87	76.73	58.37	46.32	37.91					
23	2.99	7.19	14.00	16.67	20.65	27.22	40.18	52.96	78.16	103.02	127.64	152.05	140.04	114.62	96.06	82.02	62.39	49.51	40.53					
24	3.11	7.51	14.60	17.40	21.55	28.41	41.93	55.26	81.56	107.50	133.19	158.66	149.28	122.18	102.39	87.43	66.51	52.78	43.20					
25	3.24	7.82	15.21	18.12	22.45	29.59	43.67	57.57	84.96	111.98	138.74	165.27	158.70	129.90	108.86	92.95	70.71	56.11	43.20					
26	3.37	8.13	15.82	18.85	23.35	30.78	45.42	59.87	88.36	116.46	144.29	171.88	168.32	137.77	115.46	98.58	74.99	59.51						
28	3.63	8.76	17.04	20.30	25.15	33.14	48.92	64.47	95.15	125.42	155.38	185.11	188.11	153.97	129.03	110.17	83.81	66.51						
30	3.89	9.38	18.25	21.75	26.94	35.51	52.41	69.08	101.95	134.38	166.48	198.33	208.62	170.75	143.10	122.18	92.95	73.76						
32	4.15	10.01	19.47	23.20	28.74	37.88	55.90	73.68	108.75	143.34	177.58	211.55	229.83	188.11	157.65	134.60	102.39							
35	4.54	10.95	21.30	25.37	31.43	41.43	61.14	80.59	118.94	156.78	194.23	231.38	262.89	215.17	180.33	153.97	117.13							
40	5.19	12.51	24.34	28.99	35.92	47.35	69.88	92.11	135.94	179.17	221.98	264.44	306.61	262.89	220.32	176.66								
45	5.84	14.08	27.38	32.62	40.41	53.27	78.61	103.62	152.93	201.57	249.72	297.49	344.94	313.69	213.33	149.79								

Type A

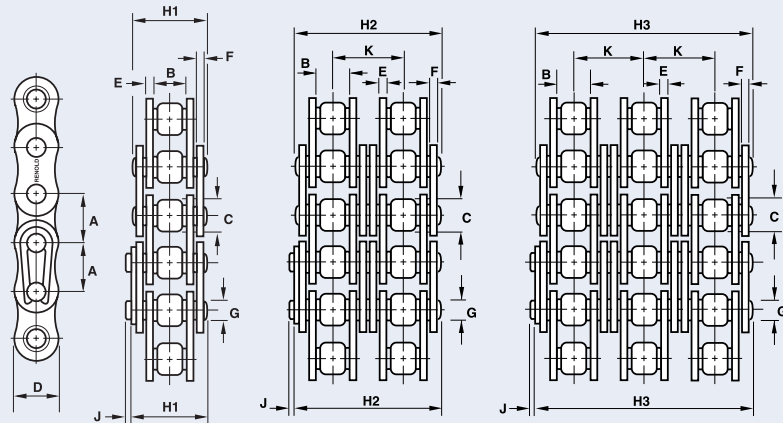
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

140



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
140	1	1.750	0.993	1.000	1.663	0.219	0.219	0.500	2.084	0.205	—	38,280	9,000	5.23
140-2	2	1.750	0.993	1.000	1.663	0.219	0.219	0.500	4.011	0.205	1.924	76,560	15,300	10.39
140-3	3	1.750	0.993	1.000	1.663	0.219	0.219	0.500	5.938	0.205	1.924	114,840	22,500	15.48
140-4	4	1.750	0.993	1.000	1.663	0.219	0.219	0.500	7.868	0.205	1.924	153,120	29,700	20.64
140-5	5	1.750	0.993	1.000	1.663	0.219	0.219	0.500	9.799	0.205	1.924	191,400	35,100	25.53
140-6	6	1.750	0.993	1.000	1.663	0.219	0.219	0.500	11.722	0.205	1.924	229,680	41,400	30.31

140 Horsepower Ratings – Single-Strand Roller Chain No. 140

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																							
	5	10	25	50	53	75	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400
11	1.14	2.21	5.32	10.36	10.95	15.28	20.15	29.73	39.19	57.84	76.24	86.80	66.03	52.40	42.89	35.94	30.69	23.35	18.53	15.16	12.71	10.85	9.40	8.25
12	1.24	2.41	5.81	11.30	11.95	16.67	21.98	32.44	42.75	63.10	83.17	98.90	75.24	59.70	48.87	40.95	34.97	26.60	21.11	17.28	14.48	12.36	10.72	0.72
13	1.34	2.61	6.29	12.24	12.94	18.06	23.81	35.14	46.32	68.36	90.10	111.52	84.83	67.32	55.10	46.18	39.43	29.99	23.80	19.48	16.33	13.94	12.08	
14	1.45	2.81	6.78	13.18	13.94	19.45	25.64	37.84	49.88	73.61	97.03	120.21	94.81	75.24	61.58	51.61	44.06	33.52	26.60	21.77	18.25	15.58		
15	1.55	3.01	7.26	14.12	14.93	20.84	27.47	40.54	53.44	78.87	103.96	128.79	105.15	83.44	68.29	57.23	48.87	37.17	29.50	24.15	20.24	17.28		
16	1.65	3.21	7.74	15.06	15.93	22.23	29.30	43.25	57.00	84.13	110.89	137.38	115.83	91.92	75.24	63.05	53.83	40.95	32.50	26.60	22.29			
17	1.75	3.41	8.23	16.00	16.93	23.62	31.13	45.95	60.57	89.39	117.82	145.97	126.86	100.67	82.40	69.05	58.96	44.85	35.59	29.13	24.41			
18	1.86	3.61	8.71	16.95	17.92	25.01	32.97	48.65	64.13	94.65	124.75	154.55	138.22	109.68	89.77	75.24	64.24	48.87	38.78	31.74				
19	1.96	3.82	9.20	17.89	18.92	26.40	34.80	51.36	67.69	99.90	131.68	163.14	149.89	118.95	97.36	81.59	69.66	53.00	42.06	34.42				
20	2.06	4.02	9.68	18.83	19.91	27.79	36.63	54.06	71.25	105.16	138.61	171.73	161.88	128.46	105.15	88.12	75.24	57.23	45.42	35.82				
21	2.17	4.22	10.16	19.77	20.91	29.18	38.46	56.76	74.82	110.42	145.54	180.31	174.17	138.22	113.13	94.81	80.95	61.58	48.87					
22	2.27	4.42	10.65	20.71	21.90	30.57	40.29	59.47	78.38	115.68	152.47	188.90	186.76	148.21	121.30	101.66	86.80	66.03	52.40					
23	2.37	4.62	11.13	21.65	22.90	31.96	42.12	62.17	81.94	120.94	159.40	197.48	199.64	158.43	129.67	108.67	92.78	70.58	56.01					
24	2.48	4.82	11.62	22.60	23.90	33.35	43.95	64.87	85.51	126.20	166.33	206.07	212.80	168.87	138.22	115.83	98.90	75.24	37.90					
25	2.58	5.02	12.10	23.54	24.89	34.74	45.79	67.57	89.07	131.45	173.27	214.66	226.24	179.53	146.94	123.15	105.15	79.99						
26	2.68	5.22	12.58	24.48	25.89	36.13	47.62	70.28	92.63	136.71	180.20	223.24	239.95	190.41	155.85	130.61	111.52	84.83						
28	2.89	5.62	13.55	26.36	27.88	38.91	51.28	75.68	99.76	147.23	194.06	240.42	268.16	212.80	174.17	145.97	124.63	94.81						
30	3.10	6.02	14.52	28.24	29.87	41.68	54.94	81.09	106.88	157.74	207.92	257.59	297.40	236.00	193.16	161.88	138.22	18.64						
32	3.30	6.43	15.49	30.13	31.86	44.46	58.61	86.50	114.01	168.26	221.78	274.76	327.63	259.99	212.80	178.34	152.27							
35	3.61	7.03	16.94	32.95	34.85	48.63	64.10	94.60	124.70	184.03	242.57	300.52	358.00	297.40	243.41	203.99	135.27							
40	4.13	8.03	19.36	37.66	39.83	55.58	73.26	108.12	142.51	210.33	277.22	343.45	409.15	363.35	297.40	153.78								
45	4.65	9.04	21.78	42.37	44.80	62.53	82.42	121.63	160.32	236.62	311.88	386.38	460.29	433.56	221.34									

Type A

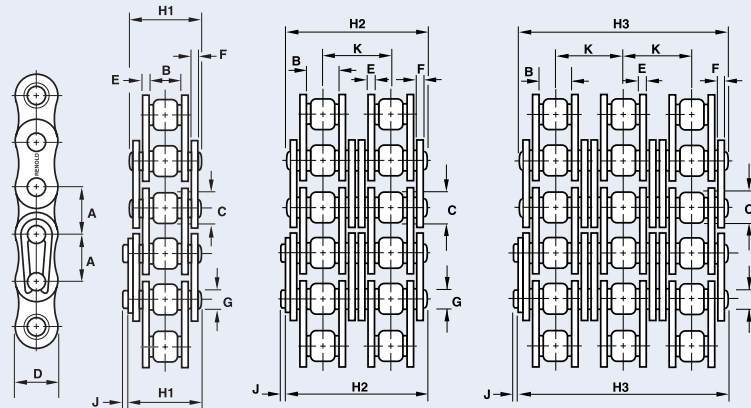
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

180



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
180	1	2.250	1.397	1.406	2.139	0.281	0.281	0.688	2.782	0.311	—	63,280	13,000	9.34
180-2	2	2.250	1.397	1.406	2.139	0.281	0.281	0.688	5.378	0.311	2.592	126,560	22,100	18.57
180-3	3	2.250	1.397	1.406	2.139	0.281	0.281	0.688	7.971	0.311	2.592	189,840	32,500	27.81
180-4	4	2.250	1.397	1.406	2.139	0.281	0.281	0.688	10.563	0.311	2.592	253,120	42,900	37.05
180-5	5	2.250	1.397	1.406	2.139	0.281	0.281	0.688	13.156	0.311	2.592	316,400	50,700	46.36
180-6	6	2.250	1.397	1.406	2.139	0.281	0.281	0.688	15.748	0.311	2.592	379,680	59,800	55.61

180 Horsepower Ratings – Single-Strand Roller Chain No. 180

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																								
	2	5	10	25	43	50	75	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	
11	0.94	2.27	4.43	10.66	17.95	20.75	30.62	40.36	59.56	78.51	115.87	148.32	106.13	80.73	64.07	52.44	43.95	37.52	32.52	28.54	22.65	18.54	15.54		
12	1.03	2.48	4.83	11.63	19.58	22.63	33.40	44.03	64.98	85.64	126.40	166.61	120.92	91.99	73.00	59.75	50.07	42.75	37.06	32.52	25.81	21.12	17.70		
13	1.12	2.69	5.23	12.60	21.21	24.52	36.19	47.70	70.39	92.78	136.93	180.49	136.35	103.72	82.31	67.37	56.46	48.21	41.79	36.67	29.10	23.82			
14	1.20	2.90	5.63	13.57	22.84	26.40	38.97	51.36	75.81	99.92	147.47	194.37	152.38	115.92	91.99	75.29	63.10	53.87	46.70	40.98	32.52	26.62			
15	1.29	3.10	6.03	14.54	24.48	28.29	41.75	55.03	81.22	107.06	158.00	208.26	169.00	128.56	102.02	83.50	69.98	59.75	51.79	45.45	36.07				
16	1.37	3.31	6.44	15.51	26.11	30.18	44.54	58.70	86.64	114.19	168.53	222.14	186.17	141.63	112.39	91.99	77.09	65.82	57.05	50.07	39.74				
17	1.46	3.52	6.84	16.48	27.74	32.06	47.32	62.37	92.05	121.33	179.07	236.02	203.90	155.11	123.09	100.75	84.43	72.09	62.49	54.84	43.52				
18	1.54	3.72	7.24	17.45	29.37	33.95	50.10	66.04	97.47	128.47	189.60	249.91	222.15	169.00	134.11	109.77	91.99	78.54	68.08	59.75					
19	1.63	3.93	7.64	18.42	31.00	35.83	52.89	69.71	102.88	135.60	200.13	263.79	240.92	183.27	145.44	119.04	99.76	85.18	73.83	64.80					
20	1.72	4.14	8.05	19.39	32.64	37.72	55.67	73.38	108.30	142.74	210.67	277.68	260.19	197.93	157.07	128.56	107.74	91.99	79.74	69.98					
21	1.80	4.34	8.45	20.36	34.27	39.61	58.45	77.05	113.71	149.88	221.20	291.56	279.94	212.96	169.00	138.32	115.92	98.97	85.79	75.29					
22	1.89	4.55	8.85	21.33	35.90	41.49	61.24	80.71	119.12	157.02	231.73	305.44	300.17	228.35	181.21	148.32	124.30	106.13	91.99						
23	1.97	4.76	9.25	22.30	37.53	43.38	64.02	84.38	124.54	164.15	242.27	319.33	320.87	244.10	193.70	158.54	132.87	113.45	98.33						
24	2.06	4.96	9.65	23.27	39.16	45.26	66.80	88.05	129.95	171.29	252.80	333.21	342.02	260.19	206.47	169.00	141.63	120.92	40.34						
25	2.15	5.17	10.06	24.24	40.79	47.15	69.59	91.72	135.37	178.43	263.33	347.10	363.62	276.62	219.51	179.67	150.57	128.56							
26	2.23	5.38	10.46	25.21	42.43	49.04	72.37	95.39	140.78	185.56	273.87	360.98	385.66	293.38	232.81	190.55	159.69	122.43							
28	2.40	5.79	11.26	27.15	45.69	52.81	77.94	102.73	151.61	199.84	294.93	388.75	431.00	327.87	260.19	212.96	178.47								
30	2.57	6.20	12.07	29.09	48.95	56.58	83.50	110.07	162.44	214.11	316.00	416.51	477.99	363.62	288.56	236.18	128.92								
32	2.75	6.62	12.87	31.02	52.22	60.35	89.07	117.40	173.27	228.39	337.07	444.28	526.58	400.58	317.89	260.19									
35	3.00	7.24	14.08	33.93	57.11	66.01	97.42	128.41	189.52	249.80	368.67	485.93	602.34	458.22	363.62	142.51									
40	3.43	8.27	16.09	38.78	65.27	75.44	111.34	146.75	216.59	285.48	421.34	555.35	688.02	559.83	254.20										
45	3.86	9.31	18.10	43.63	73.43	84.87	125.26	165.10	243.66	321.17	474.00	624.77	774.03	480.00											

Type A

Type B

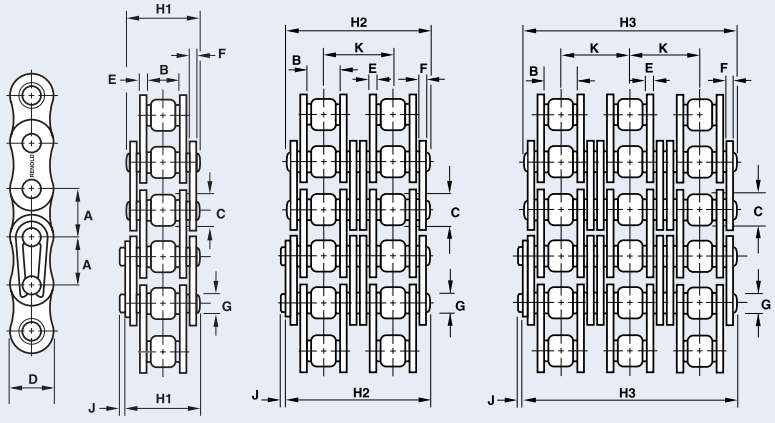
Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

ANSI Standard Roller Chain

200



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
200	1	2.500	1.490	1.562	2.377	0.312	0.312	0.782	3.030	0.355	—	78,125	16,000	11.59
200-2	2	2.500	1.490	1.562	2.377	0.312	0.312	0.782	5.851	0.355	2.817	156,250	27,200	23.05
200-3	3	2.500	1.490	1.562	2.377	0.312	0.312	0.782	9.023	0.355	2.817	234,375	40,000	34.30
200-4	4	2.500	1.490	1.562	2.377	0.312	0.312	0.782	11.489	0.355	2.817	312,500	52,800	46.10
200-5	5	2.500	1.490	1.562	2.377	0.312	0.312	0.782	13.955	0.355	2.817	390,625	62,400	57.15
200-6	6	2.500	1.490	1.562	2.377	0.312	0.312	0.782	16.422	0.355	2.817	468,750	73,600	68.61

200 Horsepower Ratings – Single-Strand Roller Chain No. 200

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																								
	2	5	10	25	40	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	
11	1.25	3.02	5.88	14.16	22.23	27.54	40.65	53.58	79.08	104.24	129.14	153.84	161.36	115.46	87.83	69.70	57.05	47.81	40.82	35.38	31.05	24.64	20.17		
12	1.37	3.29	6.41	15.45	24.25	30.05	44.35	58.45	86.27	113.71	140.88	167.82	183.86	131.56	100.08	79.42	65.00	54.48	46.51	40.32	35.38	28.08	22.98		
13	1.48	3.57	6.94	16.73	26.28	32.55	48.04	63.33	93.46	123.19	152.62	181.81	207.31	148.34	112.85	89.55	73.30	61.43	52.45	45.46	39.90	31.66			
14	1.59	3.84	7.48	18.02	28.30	35.06	51.74	68.20	100.65	132.66	164.36	195.79	231.69	165.78	126.11	100.08	81.91	68.65	58.61	50.80	44.59	35.38			
15	1.71	4.12	8.01	19.31	30.32	37.56	55.43	73.07	107.84	142.14	176.09	209.78	256.95	183.86	139.87	110.99	90.85	76.13	65.00	56.34	49.45	37.46			
16	1.82	4.39	8.55	20.60	32.34	40.06	59.13	77.94	115.03	151.61	187.83	223.76	283.07	202.55	154.08	122.27	100.08	83.87	71.61	62.07	54.48				
17	1.94	4.67	9.08	21.88	34.36	42.57	62.83	82.81	122.22	161.09	199.57	237.75	310.02	221.83	168.75	133.91	109.61	91.86	78.43	67.98	59.66				
18	2.05	4.94	9.61	23.17	36.38	45.07	66.52	87.68	129.41	170.57	211.31	251.73	331.81	241.69	183.86	145.90	119.42	100.08	85.45	74.07	65.00				
19	2.16	5.22	10.15	24.46	38.40	47.58	70.22	92.55	136.59	180.04	223.05	265.72	350.24	262.11	199.39	158.23	129.51	108.53	92.67	80.32	2.22				
20	2.28	5.49	10.68	25.74	40.42	50.08	73.91	97.42	143.78	189.52	234.79	279.70	368.67	283.07	215.34	170.88	139.87	117.21	100.08	86.75					
21	2.39	5.77	11.22	27.03	42.45	52.59	77.61	102.29	150.97	198.99	246.53	293.69	387.11	304.56	231.69	183.86	150.49	126.11	107.68	32.68					
22	2.51	6.04	11.75	28.32	44.47	55.09	81.30	107.17	158.16	208.47	258.27	307.68	405.54	326.57	248.43	197.15	161.36	135.23	115.46						
23	2.62	6.31	12.28	29.61	46.49	57.59	85.00	112.04	165.35	217.95	270.01	321.66	423.97	349.09	265.56	210.74	172.49	144.55	104.48						
24	2.73	6.59	12.82	30.89	48.51	60.10	88.70	116.91	172.54	227.42	281.75	335.65	442.41	372.10	283.07	224.63	183.86	154.08	21.71						
25	2.85	6.86	13.35	32.18	50.53	62.60	92.39	121.78	179.73	236.90	293.49	349.63	460.84	395.60	300.94	238.82	195.47	163.81							
26	2.96	7.14	13.89	33.47	52.55	65.11	96.09	126.65	186.92	246.37	305.23	363.62	479.27	419.57	319.18	253.29	207.31	151.14							

Type A

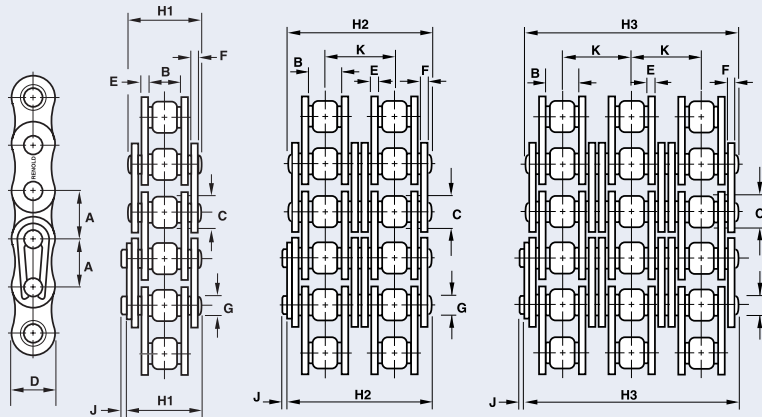
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

240



Dimensions are in inches unless otherwise indicated.

Chain No.	No. of Strands	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
240	1	3.000	1.864	1.875	2.852	0.375	0.375	0.938	3.719	0.414	—	112,500	22,000	16.75
240-2	2	3.000	1.864	1.875	2.852	0.375	0.375	0.938	7.179	0.414	3.458	225,000	37,400	33.50
240-3	3	3.000	1.864	1.875	2.852	0.375	0.375	0.938	10.642	0.414	3.458	337,500	55,000	50.25
240-4	4	3.000	1.864	1.875	2.852	0.375	0.375	0.938	14.101	0.414	3.458	450,000	72,600	67.00
240-5	5	3.000	1.864	1.875	2.852	0.375	0.375	0.938	17.561	0.414	3.458	562,500	85,800	83.75
240-6	6	3.000	1.864	1.875	2.852	0.375	0.375	0.938	21.020	0.414	3.458	675,000	101,200	100.50

240 Horsepower Ratings – Single-Strand Roller Chain No. 240

No. of Teeth	Maximum Speed-Small Sprocket (rpm)																									
	2	5	10	25	36	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500		
11	2.02	4.86	9.46	22.81	32.36	44.36	65.47	86.30	127.37	167.88	207.99	247.77	186.70	133.59	101.63	80.65	66.01	55.32	47.23	40.94	35.93	31.87	28.51			
12	2.20	5.31	10.32	24.88	35.31	48.40	71.43	94.15	138.95	183.14	226.89	270.30	212.73	152.22	115.80	91.89	75.21	63.03	53.82	46.65	40.94	36.31	2.11			
13	2.39	5.75	11.18	26.95	38.25	52.43	77.38	101.99	150.53	198.41	245.80	292.82	239.87	171.64	130.57	103.61	84.81	71.07	60.68	52.60	46.16	38.13				
14	2.57	6.19	12.04	29.02	41.19	56.46	83.33	109.84	162.11	213.67	264.71	315.34	268.07	191.82	145.92	115.80	94.78	79.43	67.82	58.78	51.59					
15	2.75	6.63	12.90	31.10	44.13	60.50	89.28	117.68	173.68	228.93	283.62	337.87	297.30	212.73	161.83	128.42	105.11	88.09	75.21	65.19						
16	2.94	7.08	13.76	33.17	47.08	64.53	95.24	125.53	185.26	244.19	302.53	360.39	327.52	234.35	178.28	141.47	115.80	97.04	82.86	71.82						
17	3.12	7.52	14.62	35.24	50.02	68.56	101.19	133.37	196.84	259.45	321.43	382.92	358.70	256.66	195.25	154.94	126.82	106.28	90.74							
18	3.30	7.96	15.48	37.32	52.96	72.59	107.14	141.22	208.42	274.71	340.34	405.44	390.81	279.64	212.73	168.81	138.17	115.80	98.87							
19	3.49	8.40	16.34	39.39	55.90	76.63	113.09	149.06	220.00	289.98	359.25	427.97	423.82	303.26	230.70	183.08	149.84	125.58	3.20							
20	3.67	8.84	17.20	41.46	58.84	80.66	119.04	156.91	231.58	305.24	378.16	450.49	457.72	327.52	249.15	197.72	161.83	135.62								
21	3.85	9.29	18.07	43.54	61.79	84.69	125.00	164.76	243.16	320.50	397.07	473.02	492.48	352.39	268.07	212.73	174.12	109.86								
22	4.04	9.73	18.93	45.61	64.73	88.73	130.95	172.60	254.74	335.76	415.97	495.54	528.07	377.85	287.44	228.10	186.70									
23	4.22	10.17	19.79	47.68	67.67	92.76	136.90	180.45	266.32	351.02	434.88	518.07	564.48	403.91	307.26	243.83	199.57									
24	4.40	10.61	20.65	49.76	70.61	96.79	142.85	188.29	277.89	366.29	453.79	540.59	601.69	430.53	327.52	259.91	188.30									
25	4.59	11.06	21.51	51.83	73.55	100.83	148.81	196.14	289.47	381.55	472.70	563.12	639.68	457.72	348.20	276.32	73.47									
26	4.77	11.50	22.37	53.90	76.50	104.86	154.76	203.98	301.05	396.81	491.61	585.64	678.45	485.46	369.30	293.06										

Type A

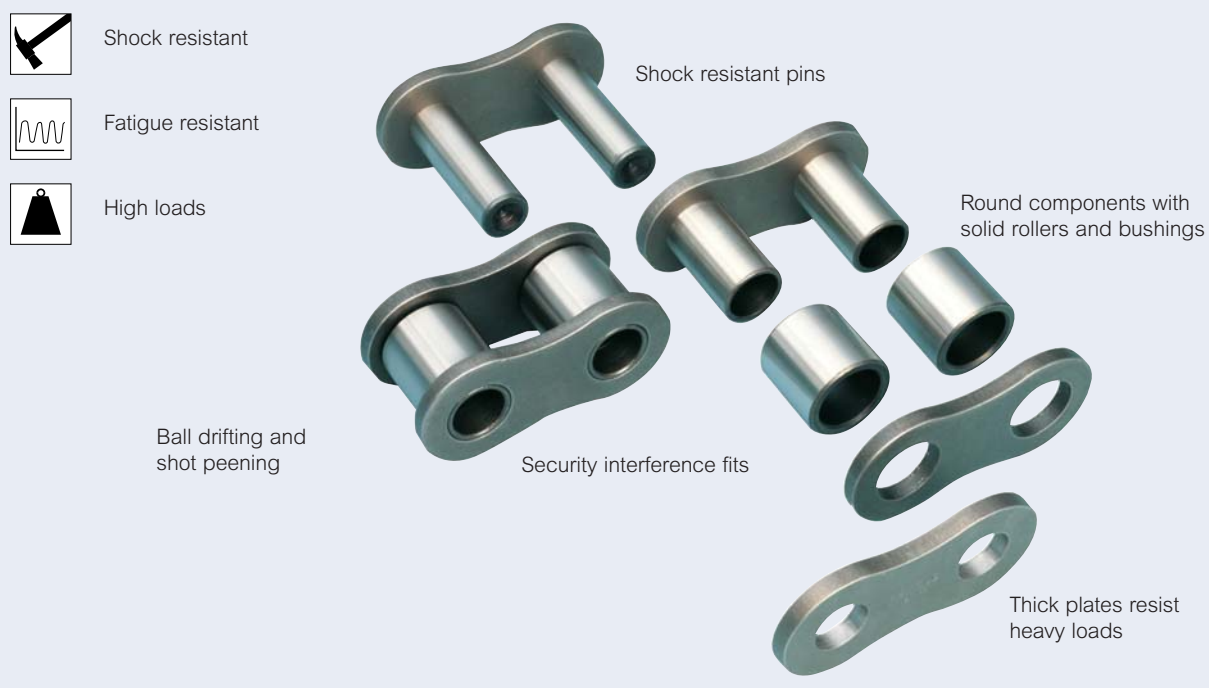
Type B

Type C

Type A: Manual or Drip Lubrication • Type B: Bath or Disc Lubrication • Type C: Oil Stream Lubrication

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

XTRA Series Roller Chain



Extra strength for heavy-duty applications

Renold XTRA roller chain combines the performance-enhancing features of our ANSI standard chains — solid bushings, ball-drifted plate holes, shot peening, and optimum interference fits — with thicker link plates and through-hardened pins for added strength.

H Series (Heavy) Dimensions are identical to our ANSI standard chain with the exception of the overall width. Thicker plates help absorb shock and provide excellent resistance to heavy loads.

V Series (Super) Through-hardened pins allow a higher breaking load and offer excellent resistance to shock loads. Dimensions are identical to our ANSI standard chain.

HV Series (Super Heavy) Combines all the features of both our H Series and V Series chains for maximum resistance to both heavy and shock loads.

XTRA's gearing dimensions are identical to ANSI standard chains for single-strand sizes and will run on standard sprockets. XTRA H and HV Series double- and triple-strand chains have a larger transverse pitch and require special sprockets.

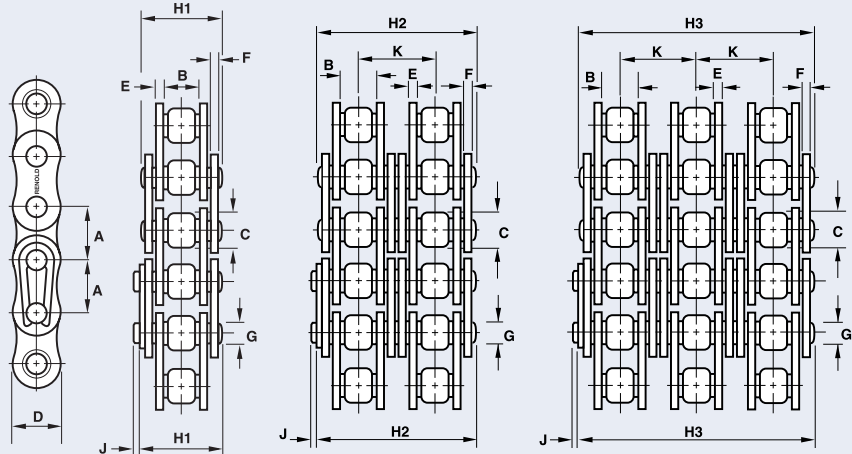
Chain life can be further extended by the use of hardened-tooth sprockets. XTRA H and HV Series are designed for longer fatigue life. Therefore, offset and slip-fit joints, which have a lower fatigue resistance, are not recommended.

Selection Guide

Chain Type	Strength	Wear	Heavy Loads	Shock Loads	High Speeds
ANSI Standard	Good	Excellent	Good	Good	Excellent
H Series	Good	Excellent	Excellent	Good	Not Suitable
V Series	Excellent	Good	Good	Excellent	Good
HV Series	Excellent	Good	Excellent	Excellent	Not Suitable

XTRA H Series Roller Chain

XTRA H Series roller chain is made with link plates that are one size thicker for greater strength and resistance to link plate fatigue failure. These chains are well suited for heavy-duty service where high shock loading is such that ANSI standard roller chains do not survive. Single-strand XTRA H roller chains operate over standard ANSI sprockets. However, multiple-strand chains require special sprockets because the heavy-style link plate increases the transverse pitch.

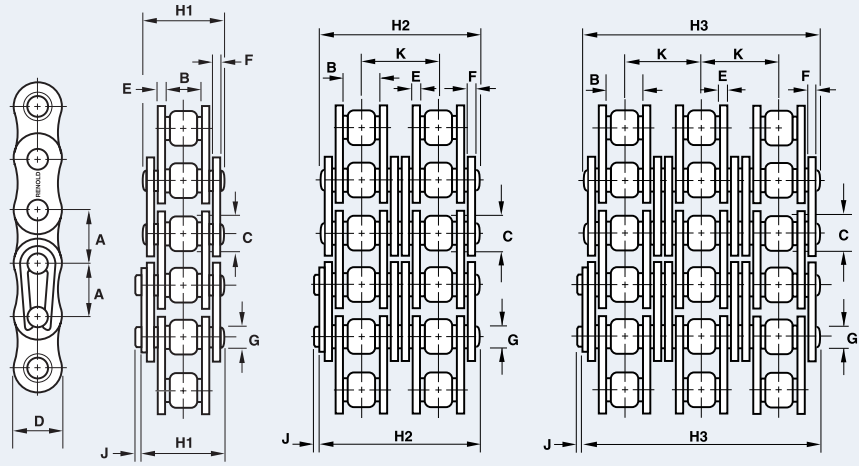


XTRA H Series Roller Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
60H	0.750	0.495	0.469	0.713	0.125	0.125	0.235	1.127	0.043	—	7,030	2,200	1.21
80H	1.000	0.620	0.625	0.950	0.156	0.156	0.313	1.458	0.118	—	12,500	3,600	2.21
100H	1.250	0.744	0.750	1.188	0.187	0.187	0.375	1.738	0.165	—	19,530	5,500	3.22
120H	1.500	0.993	0.875	1.425	0.219	0.219	0.437	2.070	0.209	—	28,125	7,300	4.22
140H	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.205	—	38,280	9,600	5.76
160H	2.000	1.242	1.125	1.900	0.281	0.281	0.563	2.699	0.256	—	50,000	12,600	7.50
180H	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	—	63,280	14,200	10.18
200H	2.500	1.490	1.562	2.377	0.375	0.375	0.782	3.404	0.355	—	78,125	17,800	13.07
240H	3.000	1.864	1.875	2.582	0.500	0.500	0.938	4.212	0.414	—	112,500	25,300	20.44
DOUBLE STRAND													
60H-2	0.750	0.495	0.469	0.713	0.125	0.125	0.235	2.246	0.043	1.029	14,060	3,700	2.38
80H-2	1.000	0.620	0.625	0.950	0.156	0.156	0.313	2.707	0.118	1.284	25,000	6,100	4.42
100H-2	1.250	0.744	0.750	1.188	0.187	0.187	0.375	3.278	0.165	1.540	39,060	9,300	6.90
120H-2	1.500	0.993	0.875	1.425	0.219	0.219	0.437	4.137	0.209	1.925	56,250	12,300	8.44
140H-2	1.750	0.993	1.000	1.663	0.250	0.250	0.500	4.212	0.205	2.057	76,560	16,300	11.22
160H-2	2.000	1.242	1.125	1.900	0.281	0.281	0.563	5.138	0.256	2.439	100,000	21,200	15.75
180H-2	2.250	1.397	1.406	2.139	0.312	0.312	0.688	5.548	0.311	2.594	126,560	24,000	20.36
200H-2	2.500	1.490	1.562	2.377	0.375	0.375	0.782	6.489	0.355	3.085	156,250	29,900	26.13
240H-2	3.000	1.864	1.875	2.852	0.500	0.500	0.938	8.195	0.414	3.988	225,000	43,000	40.87
TRIPLE STRAND													
60H-3	0.750	0.495	0.469	0.713	0.125	0.125	0.235	3.274	0.043	1.029	21,090	5,500	3.55
80H-3	1.000	0.620	0.625	0.950	0.156	0.156	0.313	3.991	0.118	1.284	37,500	9,000	6.63
100H-3	1.250	0.744	0.750	1.188	0.187	0.187	0.375	4.819	0.165	1.540	58,590	13,700	10.35
120H-3	1.500	0.993	0.875	1.425	0.219	0.219	0.437	6.225	0.209	1.925	84,375	18,100	12.60
140H-3	1.750	0.993	1.000	1.663	0.250	0.250	0.500	6.320	0.205	2.057	114,840	23,900	16.82
160H-3	2.000	1.242	1.125	1.900	0.281	0.281	0.563	7.206	0.256	2.439	150,000	31,200	23.58
180H-3	2.250	1.397	1.406	2.139	0.312	0.312	0.688	8.116	0.311	2.594	189,840	34,000	30.55
200H-3	2.500	1.490	1.562	2.377	0.375	0.375	0.782	9.574	0.355	3.085	234,375	44,000	38.66
240H-3	3.000	1.864	1.875	2.852	0.500	0.500	0.938	12.182	0.414	3.988	337,500	63,200	61.31

XTRA V Series Roller Chain



XTRA V Series roller chain is made with special alloy-steel, through-hardened pins for excellent resistance to shock and high breaking loads. V Series dimensions — including the transverse pitch — are identical to ANSI standard chains. Therefore, both single- and multiple-strand V Series chain can be used with ANSI standard sprockets.

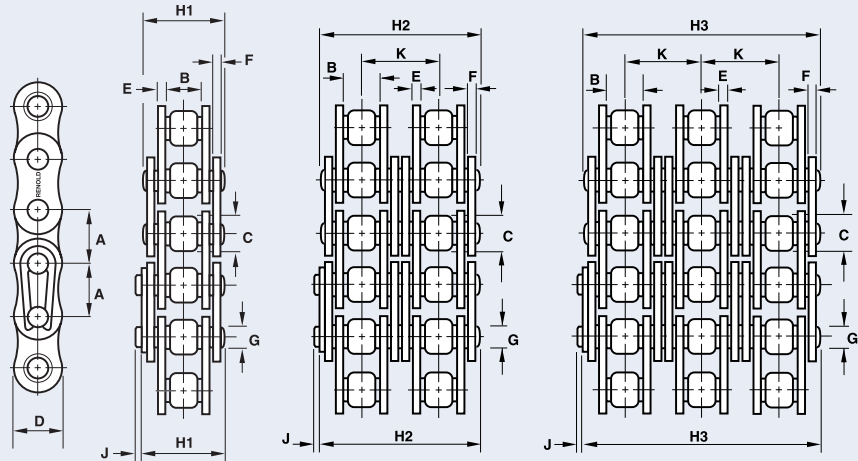
XTRA V Series Roller Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
80V	1.000	0.620	0.625	0.950	0.125	0.125	0.313	1.288	0.118	—	16,860	3,500	1.88
100V	1.250	0.744	0.750	1.188	0.156	0.156	0.375	1.564	0.165	—	27,426	5,400	2.81
120V	1.500	0.993	0.875	1.425	0.187	0.187	0.437	1.942	0.209	—	37,991	7,170	3.82
140V	1.750	0.993	1.000	1.663	0.219	0.219	0.500	2.084	0.205	—	52,828	9,690	5.23
160V	2.000	1.242	1.125	1.900	0.250	0.250	0.563	2.486	0.256	—	64,967	12,500	6.97
180V	2.250	1.397	1.406	2.139	0.281	0.281	0.688	2.782	0.311	—	85,986	13,400	9.34
200V	2.500	1.490	1.562	2.377	0.312	0.312	0.782	3.030	0.355	—	100,036	17,200	11.59
DOUBLE STRAND													
80V-2	1.000	0.620	0.625	0.950	0.125	0.125	0.313	2.439	0.118	1.153	33,720	6,000	3.69
100V-2	1.250	0.745	0.751	1.188	0.156	0.156	0.375	2.971	0.165	1.408	54,851	9,170	5.63
120V-2	1.500	0.993	0.875	1.425	0.187	0.187	0.437	3.731	0.209	1.789	75,982	12,180	7.37
140V-2	1.750	0.993	1.000	1.663	0.219	0.219	0.500	4.011	0.205	1.924	105,656	16,450	10.39
160V-2	2.000	1.242	1.125	1.900	0.250	0.250	0.563	4.791	0.256	2.305	129,934	21,350	13.80
180V-2	2.250	1.397	1.406	2.139	0.281	0.281	0.688	5.378	0.311	2.592	171,972	22,930	18.57
200V-2	2.500	1.490	1.562	2.377	0.312	0.312	0.782	5.851	0.355	2.817	200,072	29,220	23.05
TRIPLE STRAND													
80V-3	1.000	0.620	0.625	0.950	0.125	0.125	0.313	3.593	0.118	1.153	50,580	8,830	5.56
100V-3	1.250	0.745	0.751	1.188	0.156	0.156	0.375	4.381	0.165	1.408	82,277	13,490	8.44
120V-3	1.500	0.993	0.875	1.425	0.187	0.187	0.437	5.524	0.209	1.789	113,974	17,940	11.19
140V-3	1.750	0.993	1.000	1.663	0.219	0.219	0.500	5.938	0.205	1.924	158,484	24,280	15.48
160V-3	2.000	1.242	1.125	1.900	0.250	0.250	0.563	7.100	0.256	2.305	194,902	31,470	20.77
180V-3	2.250	1.397	1.406	2.139	0.281	0.281	0.688	7.971	0.311	2.592	257,958	33,720	27.81
200V-3	2.500	1.490	1.562	2.377	0.312	0.312	0.782	9.023	0.355	2.817	300,108	42,940	34.30

XTRA HV Series Roller Chain

XTRA HV Series roller chain is made with link plates that are one size thicker and special alloy-steel, through-hardened pins and rollers for superior strength and resistance to pin, link, and roller failure. These chains offer up to 30% more shock load resistance due to the special steels used in their manufacture. Single-strand HV Series roller chains operate over standard ANSI sprockets. However, multiple-strand chains require special sprockets because the heavy-style link plate increases the transverse pitch.



Dimensions are in inches unless otherwise indicated.

XTRA HV Series Roller Chain

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
60HV	0.750	0.495	0.469	0.713	0.125	0.125	0.235	1.127	0.043	—	12,365	2,400	1.21
80HV	1.000	0.620	0.625	0.950	0.156	0.156	0.313	1.458	0.118	—	19,558	4,000	2.21
100HV	1.250	0.744	0.750	1.188	0.187	0.187	0.375	1.738	0.165	—	30,000	7,300	3.22
120HV	1.500	0.993	0.875	1.425	0.219	0.219	0.437	2.070	0.209	—	41,004	9,500	4.22
140HV	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.205	—	57,998	12,800	5.76
160HV	2.000	1.242	1.125	1.900	0.281	0.281	0.563	2.699	0.256	—	70,003	16,500	7.50
180HV	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	—	94,978	18,000	10.18
200HV	2.500	1.490	1.562	2.377	0.375	0.375	0.782	3.404	0.355	—	134,992	22,500	13.07
240HV	3.000	1.864	1.875	2.852	0.500	0.500	0.938	4.212	0.414	—	189,992	31,300	20.44
DOUBLE STRAND													
60HV-2	0.750	0.495	0.469	0.713	0.125	0.125	0.235	2.246	0.043	1.029	24,728	4,800	2.38
80HV-2	1.000	0.620	0.625	0.950	0.156	0.156	0.313	2.707	0.118	1.284	39,115	7,900	4.42
100HV-2	1.250	0.744	0.750	1.188	0.187	0.187	0.375	3.278	0.165	1.540	59,999	12,500	6.90
120HV-2	1.500	0.993	0.875	1.425	0.219	0.219	0.437	4.137	0.209	1.925	82,007	16,100	4.22
140HV-2	1.750	0.993	1.000	1.663	0.250	0.250	0.500	4.212	0.205	2.057	115,997	21,750	11.22
160HV-2	2.000	1.242	1.125	1.900	0.281	0.281	0.563	5.138	0.256	2.439	140,005	28,100	15.75
180HV-2	2.250	1.397	1.406	2.139	0.312	0.312	0.688	5.548	0.311	2.594	189,956	30,600	20.36
200HV-2	2.500	1.490	1.562	2.377	0.375	0.375	0.782	6.489	0.355	3.085	269,985	38,250	26.13
240HV-2	3.000	1.864	1.875	2.852	0.500	0.500	0.938	8.195	0.414	3.988	379,984	53,220	40.87
TRIPLE STRAND													
60HV-3	0.750	0.495	0.469	0.713	0.125	0.125	0.235	3.274	0.043	1.029	37,092	6,970	3.55
80HV-3	1.000	0.620	0.625	0.950	0.156	0.156	0.313	3.991	0.118	1.284	58,673	11,570	6.63
100HV-3	1.250	0.744	0.750	1.188	0.187	0.187	0.375	4.819	0.165	1.540	89,999	18,710	10.35
120HV-3	1.500	0.993	0.875	1.425	0.219	0.219	0.437	6.225	0.209	1.925	89,999	23,700	12.60
140HV-3	1.750	0.993	1.000	1.663	0.250	0.250	0.500	6.320	0.205	2.057	173,995	31,950	16.82
160HV-3	2.000	1.242	1.125	1.900	0.281	0.281	0.563	7.206	0.256	2.439	210,019	41,250	23.58
180HV-3	2.250	1.397	1.406	2.139	0.312	0.312	0.688	8.116	0.311	2.594	284,934	45,000	30.55
200HV-3	2.500	1.490	1.562	2.377	0.375	0.375	0.782	9.574	0.355	3.085	404,977	56,250	38.66
240HV-3	3.000	1.864	1.875	2.852	0.500	0.500	0.938	12.182	0.414	3.988	569,976	78,260	61.31

Double Pitch Chain

Economical performance for light to moderate applications

Drive Series

Renold Double Pitch drive chains provide an economical solution for drives in which speeds are low, center distances are long, and loads are low to moderate. Pins, bushings, and rollers are similar to ANSI standard chains — but the “figure-eight”-style link plates are twice the pitch of their ANSI standard counterparts. Double Pitch chains are lighter, lower-priced, and tend to have a shorter wear life than the equivalent ANSI chain of half the pitch. Drive Series Double Pitch chains are designated with the prefix A and the value 2,000 added to the corresponding ANSI standard chain number. For example, ANSI chain number 40 in the Double Pitch Drive Series is A2040.

Conveyor Series

Renold Double Pitch conveyor chains are ideally suited for light- to medium-duty material handling applications. These chains are available in the C2000 (standard roller) and C2002 (large roller) series. Chains that are 1.5-inch pitch and larger use heavy-style link plates — for example, one size larger than standard chain. Conveyor Series Double Pitch chains are designated with the prefix C and by adding 2000 or 2002 to the ANSI standard chain number. The suffix H is added to chains with heavy-style link plates. For example, 60 Conveyor Series Double Pitch (1.5-inch pitch) is designated C2060H.

Standard Roller Conveyor Series

C2000 series chains have standard-size rollers that are the same diameter as the corresponding ANSI standard chain of half the pitch. Link plates are straight and unbeveled and the construction of the roller and link plates are identical to improve sliding wear properties.

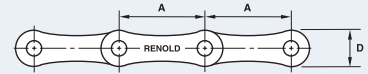
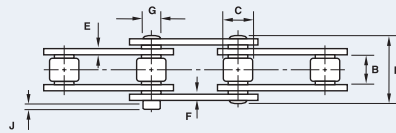
Large Roller Conveyor Series

C2002 series chains are identical to the C2000 series, with the exception of large (oversize) rollers that project above and below the link plates to produce a rolling, rather than sliding, action. This minimizes friction across the supporting surface to reduce wear and power requirements in heavier-duty applications.

Sprockets for Double Pitch Chain

Specially made Double Pitch sprockets are recommended for use with Double Pitch chain. However, ANSI standard sprockets can be used provided they have at least 30 teeth. Since Double Pitch chains engage every other tooth, they can be indexed for longer sprocket life. Indexing must be done manually on sprockets with an odd number of teeth.

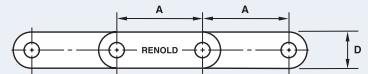
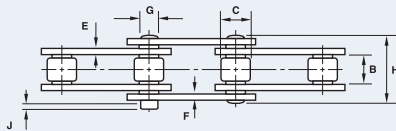




Double Pitch Drive Series Chain

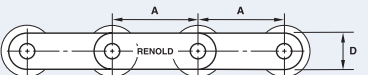
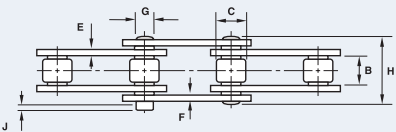
Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
A2040	1.000	0.309	0.312	0.475	0.060	0.060	0.156	0.701	0.055	—	3,125	600	0.27
A2050	1.250	0.370	0.400	0.594	0.080	0.080	0.200	0.859	0.043	—	4,880	950	0.47
A2060	1.500	0.495	0.469	0.713	0.094	0.094	0.235	1.060	0.043	—	7,030	1,200	0.70
A2080	2.000	0.620	0.625	0.950	1.125	1.125	0.313	1.320	0.118	—	12,500	2,000	1.18



Double Pitch Conveyor Series Chain — Standard Roller

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
C2040	1.000	0.309	0.312	0.475	0.060	0.060	0.156	0.701	0.055	—	3,125	810	0.34
C2050	1.250	0.370	0.400	0.594	0.080	0.080	0.200	0.859	0.043	—	4,880	1,400	0.56
C2060H	1.500	0.495	0.469	0.713	0.125	0.125	0.235	1.127	0.043	—	7,030	2,200	0.96
C2080H	2.000	0.620	0.625	0.950	0.156	0.156	0.313	1.458	0.118	—	12,500	3,600	1.62
C2100H	2.500	0.744	0.750	1.188	0.187	0.187	0.375	1.738	0.165	—	19,530	5,500	2.32
C2120H	3.000	0.993	0.875	1.425	0.219	0.219	0.437	2.070	0.209	—	28,125	7,300	3.30
C2160H	4.000	1.242	1.125	1.900	0.281	0.281	0.563	2.699	0.256	—	50,000	12,600	5.36

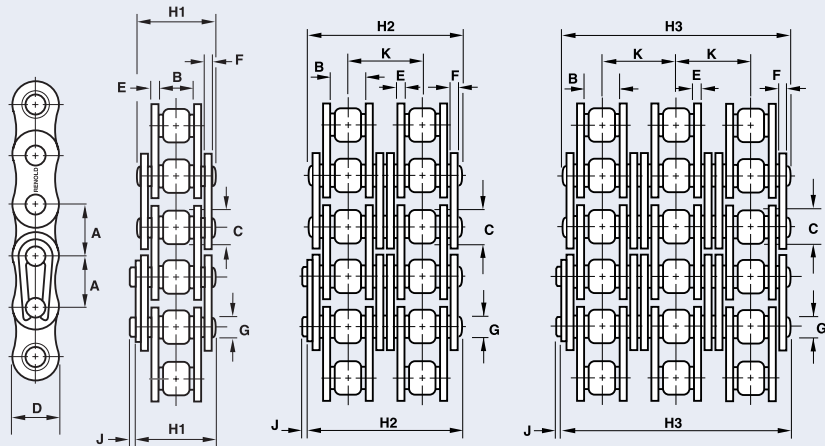


Double Pitch Conveyor Series Chain — Large Roller

Chain No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
C2042	1.000	0.309	0.625	0.475	0.060	0.060	0.156	0.701	0.055	—	3,125	810	0.55
C2052	1.250	0.370	0.750	0.594	0.080	0.080	0.200	0.859	0.043	—	4,880	1,400	0.84
C2062H	1.500	0.495	0.875	0.713	0.125	0.125	0.235	1.127	0.043	—	7,030	2,200	1.36
C2082H	2.000	0.620	1.125	0.950	0.156	0.156	0.313	1.458	0.118	—	12,500	3,600	2.25
C2102H	2.500	0.744	1.562	1.188	0.187	0.187	0.375	1.738	0.165	—	19,530	5,500	3.79
C2122H	3.000	0.993	1.750	1.425	0.219	0.219	0.437	2.070	0.209	—	28,125	7,300	5.29
C2162H	4.000	1.242	2.250	1.900	0.281	0.281	0.563	2.699	0.256	—	50,000	12,600	8.58

British Standard Roller Chain

British Standard roller chain is made in accordance with ISO 606 B, BS 228, and DIN 8187 European standards. These chains resemble standard ANSI roller chains. However, they are dimensionally different and in general do NOT operate over standard ANSI sprockets. Renold British Standard roller chains are produced with solid bushings and rollers and incorporate all of the design advantages associated with Renold roller chains.



Dimensions are in inches unless otherwise indicated.

Chain No.	ISO No.	Pitch	Inside Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Exten Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND														
06B	32	0.375	0.225	0.250	0.325	0.051	0.041	0.129	0.493	0.051	—	2,001	395	0.26
08B	42	0.500	0.305	0.335	0.465	0.061	0.061	0.175	0.650	0.059	—	4,001	700	0.47
10B	52	0.625	0.380	0.400	0.580	0.061	0.061	0.200	0.741	0.051	—	4,991	1,100	0.62
12B	62	0.750	0.460	0.476	0.636	0.071	0.071	0.225	0.863	0.043	—	6,497	1,575	0.80
16B	82	1.000	0.671	0.626	0.831	0.162	0.122	0.326	1.375	0.087	—	13,488	2,810	1.88
20B	102	1.250	0.771	0.751	1.041	0.182	0.142	0.401	1.568	0.106	—	21,356	4,370	2.58
24B	122	1.500	1.001	1.001	1.316	0.240	0.200	0.576	2.072	0.268	—	35,968	6,130	4.99
28B	142	1.750	1.221	1.101	1.461	0.300	0.250	0.626	2.529	0.268	—	44,960	7,650	6.26
32B	162	2.000	1.221	1.151	1.666	0.280	0.250	0.702	2.498	0.315	—	56,200	8,740	6.77
40B	202	2.500	1.548	1.551	2.087	0.320	0.320	0.902	3.081	0.374	—	79,804	12,800	11.06
DOUBLE STRAND														
06B-2	32-2	0.375	0.225	0.250	0.325	0.051	0.041	0.129	0.906	0.051	0.403	3,799	670	0.50
08B-2	42-2	0.500	0.305	0.335	0.465	0.061	0.061	0.175	1.198	0.059	0.548	6,991	1,185	0.92
10B-2	52-2	0.625	0.380	0.400	0.580	0.061	0.061	0.200	1.395	0.051	0.654	10,004	1,870	1.21
12B-2	62-2	0.750	0.460	0.476	0.636	0.071	0.071	0.225	1.631	0.043	0.767	12,993	2,680	1.61
16B-2	82-2	1.000	0.671	0.626	0.831	0.162	0.122	0.326	2.632	0.087	1.256	23,829	4,780	3.69
20B-2	102-2	1.250	0.771	0.751	1.041	0.182	0.142	0.401	3.022	0.106	1.436	38,216	7,430	5.23
24B-2	122-2	1.500	1.001	1.001	1.316	0.240	0.200	0.576	3.991	0.268	1.905	62,944	10,270	9.92
28B-2	142-2	1.750	1.221	1.101	1.461	0.300	0.250	0.626	4.874	0.268	2.347	80,928	13,000	12.46
32B-2	162-2	2.000	1.221	1.151	1.666	0.280	0.250	0.702	4.807	0.315	2.307	101,160	14,850	13.47
40B-2	202-2	2.500	1.548	1.551	2.087	0.320	0.320	0.902	5.930	0.374	2.848	141,624	21,760	21.98
TRIPLE STRAND														
06B-3	32-3	0.375	0.225	0.250	0.325	0.051	0.041	0.129	1.312	0.051	0.403	5,598	1,000	0.74
08B-3	42-3	0.500	0.305	0.335	0.465	0.061	0.061	0.175	1.745	0.059	0.548	10,004	1,750	1.38
10B-3	52-3	0.625	0.380	0.400	0.580	0.061	0.061	0.200	2.049	0.051	0.654	14,994	2,750	1.70
12B-3	62-3	0.750	0.460	0.476	0.636	0.071	0.071	0.225	2.399	0.043	0.767	19,490	3,930	2.41
16B-3	82-3	1.000	0.671	0.626	0.831	0.162	0.122	0.326	3.885	0.087	1.256	35,968	7,025	5.46
20B-3	102-3	1.250	0.771	0.751	1.041	0.182	0.142	0.401	4.460	0.106	1.436	56,200	10,925	7.81
24B-3	122-3	1.500	1.001	1.001	1.316	0.240	0.200	0.576	5.898	0.268	1.905	95,540	15,100	14.91
28B-3	142-3	1.750	1.221	1.101	1.461	0.300	0.250	0.626	7.222	0.268	2.347	119,144	19,125	18.76
32B-3	162-3	2.000	1.221	1.151	1.666	0.280	0.250	0.702	7.112	0.315	2.307	150,616	21,850	20.10
40B-3	202-3	2.500	1.548	1.551	2.087	0.320	0.320	0.902	8.778	0.374	2.848	213,560	32,000	32.76