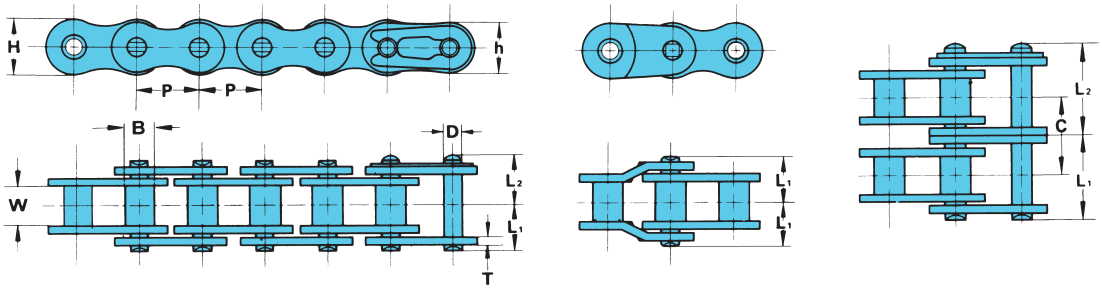
RS25 1/4" Pitch



U.S. TSUBAKI Chain No.	ANSI	Pitch No. P	Bushing Diameter B	Width Between Inner Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS25	25	.250	.130	.125	.030	.230	.199	.0905

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS25	1	.339	.150	.189	.252	Riveted	780	1,050	140	.094	480
RS25-2	2	.591	.276	.315		Riveted	1,560	2,100	240	.181	

Note: Only two-pitch offset links are available for RS25 and RS25-2.
❊ Refer to page A-23, "Selection for Slow Speed."

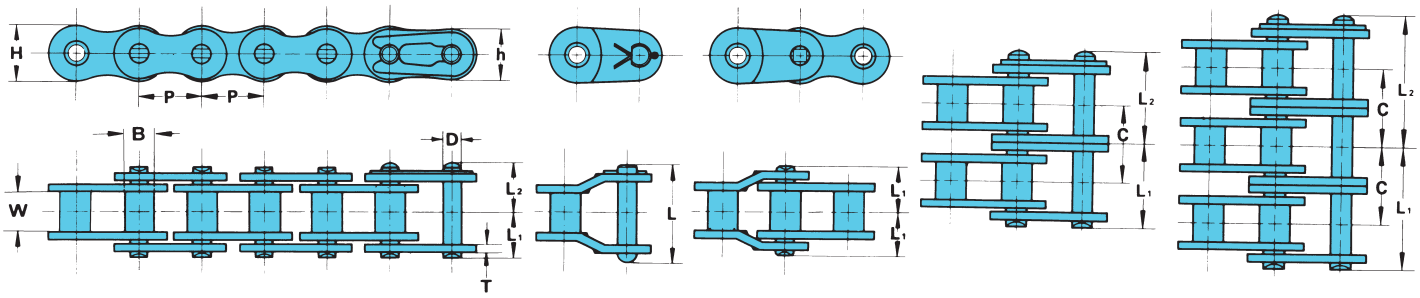
Maximum Horsepower Ratings

No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10,000
	Lubrication System A														B										
11	0.03	0.05	0.14	0.23	0.31	0.39	0.50	0.60	0.71	0.83	0.95	1.13	1.29	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	0.03	0.06	0.16	0.25	0.34	0.43	0.55	0.66	0.78	0.90	1.05	1.23	1.42	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	0.72	0.84	0.98	1.14	1.34	1.54	1.74	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	0.78	0.94	1.06	1.23	1.46	1.68	1.89	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	0.68	0.84	0.99	1.14	1.33	1.57	1.81	2.04	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	0.74	0.90	1.06	1.22	1.43	1.69	1.93	2.19	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	0.48	0.60	0.79	0.97	1.14	1.30	1.53	1.80	2.07	2.33	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	0.64	0.84	1.02	1.21	1.38	1.62	1.92	2.20	2.48	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	0.68	0.89	1.09	1.29	1.48	1.72	2.02	2.33	2.63	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	0.72	0.94	1.15	1.35	1.56	1.82	2.15	2.47	2.78	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	0.60	0.76	0.99	1.21	1.42	1.64	1.92	2.27	2.60	2.92	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	0.64	0.80	1.05	1.27	1.50	1.73	2.01	2.37	2.74	3.08	3.27	2.79	2.42	2.12	1.88	1.69	1.52	1.38	1.26	1.16	0.99
23	0.06	0.12	0.32	0.51	0.67	0.84	1.10	1.34	1.57	1.81	2.12	2.49	2.87	3.23	3.50	2.98	2.59	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	1.14	1.39	1.65	1.89	2.21	2.61	3.00	3.38	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	0.55	0.75	0.94	1.19	1.46	1.72	1.98	2.32	2.72	3.14	3.54	3.93	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	0.56	0.76	0.98	1.25	1.53	1.80	2.07	2.41	2.84	3.27	3.69	4.10	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	0.83	1.05	1.35	1.65	1.94	2.24	2.61	3.08	3.54	4.00	4.44	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	0.66	0.90	1.13	1.46	1.78	2.09	2.41	2.82	3.33	3.82	4.30	4.79	4.45	3.85	3.38	3.00	2.68	2.42	2.20	2.01	1.84	1.57
32	0.09	0.17	0.44	0.71	0.98	1.21	1.56	1.90	2.25	2.59	3.02	3.57	4.09	4.61	5.14	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	0.78	1.06	1.33	1.72	2.11	2.48	2.84	3.33	3.93	4.51	5.08	5.65	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	0.90	1.22	1.53	1.98	2.43	2.86	3.29	3.85	4.53	5.20	5.87	6.53	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	0.64	1.03	1.39	1.74	2.25	2.76	3.25	3.73	4.37	5.15	5.91	6.66	7.42	8.15	7.08	6.21	5.51	4.93	4.45	4.04	3.69	3.38	2.89
																				C					

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.
2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.
3. Refer to page A-22, "Procedures for Selecting Roller Chain."
4. Gray portion of Maximum Horsepower Ratings Table is Lubrication System C.

U.S. TSUBAKI RS ROLLER CHAIN

RS35 3/8" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Bushing Diameter B	Width Between Inner Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS35	35	.375	.200	.188	.050	.354	.307	.141

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS35	1	.500	.230	.270	.531	.399	Riveted	1,760	2,530	480	.22	320
RS35-2	2	.898	.429	.469	.965		Riveted	3,520	5,060	810	.46	
RS35-3	3	1.295	.630	.665	1.362		Riveted	5,280	7,590	1,200	.70	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

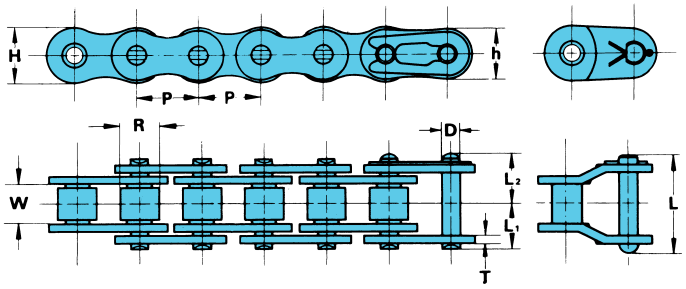
No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10,000
	Lubrication System					A					B												C		
11	0.16	0.30	0.78	1.23	1.66	2.09	2.71	3.31	3.90	4.48	3.86	2.92	2.32	1.90	1.58	1.35	1.18	1.03	0.91	0.82	0.74	0.67	0.60	0.56	0.48
12	0.17	0.32	0.86	1.35	1.84	2.29	2.98	3.63	4.29	4.92	4.40	3.35	2.66	2.17	1.82	1.56	1.35	1.18	1.05	0.94	0.84	0.76	0.70	0.64	0.55
13	0.19	0.35	0.94	1.48	2.00	2.51	3.25	3.97	4.68	5.38	4.96	3.75	2.99	2.45	2.05	1.74	1.50	1.33	1.17	1.05	0.94	0.86	0.78	0.72	0.62
14	0.20	0.38	1.01	1.60	2.16	2.71	3.51	4.30	5.07	5.82	5.55	4.21	3.34	2.72	2.29	1.96	1.70	1.49	1.31	1.18	1.06	0.97	0.87	0.80	0.68
15	0.21	0.40	1.09	1.72	2.33	2.92	3.80	4.63	5.46	6.26	6.16	4.65	3.70	3.03	2.53	2.17	1.88	1.65	1.46	1.31	1.18	1.07	0.98	0.90	0.76
16	0.23	0.43	1.17	1.85	2.49	3.14	4.06	4.96	5.85	6.72	6.77	5.10	4.08	3.34	2.80	2.39	2.07	1.82	1.61	1.43	1.30	1.18	1.07	0.99	0.83
17	0.25	0.47	1.25	1.97	2.67	3.35	4.33	5.30	6.25	7.17	7.42	5.59	4.47	3.66	3.06	2.61	2.27	1.98	1.77	1.58	1.42	1.29	1.18	1.07	0.93
18	0.27	0.50	1.33	2.09	2.84	3.57	4.61	5.65	6.64	7.63	8.09	6.09	4.87	3.98	3.34	2.84	2.47	2.17	1.92	1.72	1.54	1.41	1.29	1.18	1.01
19	0.28	0.52	1.41	2.23	3.02	3.77	4.89	5.98	7.04	8.09	8.77	6.60	5.28	4.32	3.62	3.08	2.68	2.35	2.09	1.86	1.68	1.53	1.38	1.27	1.09
20	0.30	0.55	1.49	2.35	3.18	4.00	5.16	6.32	7.44	8.56	9.47	7.13	5.70	4.67	3.90	3.34	2.90	2.53	2.25	2.01	1.82	1.65	1.50	1.41	1.18
21	0.31	0.58	1.57	2.48	3.35	4.21	5.44	6.66	7.84	9.01	10.2	7.67	6.13	5.02	4.21	3.59	3.11	2.72	2.41	2.17	1.96	1.77	1.62	1.49	1.27
22	0.32	0.62	1.65	2.60	3.53	4.43	5.73	7.00	8.25	9.48	10.9	8.31	6.58	5.38	4.51	3.85	3.34	2.92	2.60	2.33	2.09	1.90	1.74	1.60	1.35
23	0.35	0.64	1.73	2.74	3.70	4.64	6.01	7.35	8.66	9.95	11.6	8.88	7.05	5.77	4.83	4.13	3.58	3.14	2.79	2.49	2.25	2.04	1.86	1.72	1.46
24	0.36	0.67	1.81	2.86	3.88	4.85	6.29	7.70	9.07	10.4	12.2	9.47	7.50	6.13	5.15	4.39	3.80	3.34	2.96	2.64	2.39	2.17	1.98	1.82	1.54
25	0.38	0.70	1.89	2.99	4.05	5.08	6.57	8.05	9.48	10.9	12.7	10.1	7.99	6.54	5.48	4.66	4.05	3.57	3.16	2.82	2.55	2.31	2.11	1.94	1.65
26	0.39	0.74	1.97	3.12	4.22	5.30	6.87	8.39	9.88	11.4	13.3	10.7	8.46	6.92	5.81	4.96	4.30	3.77	3.34	2.99	2.70	2.45	2.24	2.05	1.74
28	0.43	0.79	2.13	3.38	4.57	5.74	7.43	9.09	10.7	12.3	14.3	11.9	9.48	7.75	6.49	5.55	4.81	4.22	3.74	3.35	3.02	2.74	2.51	2.31	1.96
30	0.46	0.86	2.31	3.65	4.93	6.18	8.01	9.79	11.5	13.2	15.6	13.2	10.5	8.57	7.17	6.14	5.32	4.67	4.14	3.70	3.34	3.03	2.76	2.53	2.17
32	0.50	0.91	2.47	3.90	5.28	6.62	8.58	10.5	12.4	14.2	16.6	14.6	11.5	9.44	7.91	6.76	5.86	5.14	4.56	4.08	3.67	3.34	3.04	2.80	0
35	0.54	1.01	2.72	4.30	5.82	7.31	9.45	11.6	13.7	15.7	18.4	16.6	13.2	10.8	9.07	7.72	6.71	5.87	5.22	4.67	4.21	3.82	3.49	3.21	0
40	0.63	1.17	3.14	4.98	6.73	8.44	10.9	13.4	15.7	18.1	21.2	20.4	16.1	13.2	11.1	9.45	8.19	7.19	6.37	5.70	5.14	4.67	0		
45	0.71	1.33	3.57	5.65	7.64	9.57	12.4	15.2	17.8	20.5	24.0	24.3	19.3	15.8	13.2	11.3	9.79	8.60	7.63	6.83	0				

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS41 1/2" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS41	41	.500	.306	.250	.050	.386	.331	.141

U.S. TSUBAKI Chain No.	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS41	.579	.266	.313	.594	Riveted	1,500	2,640	500	.27	240

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

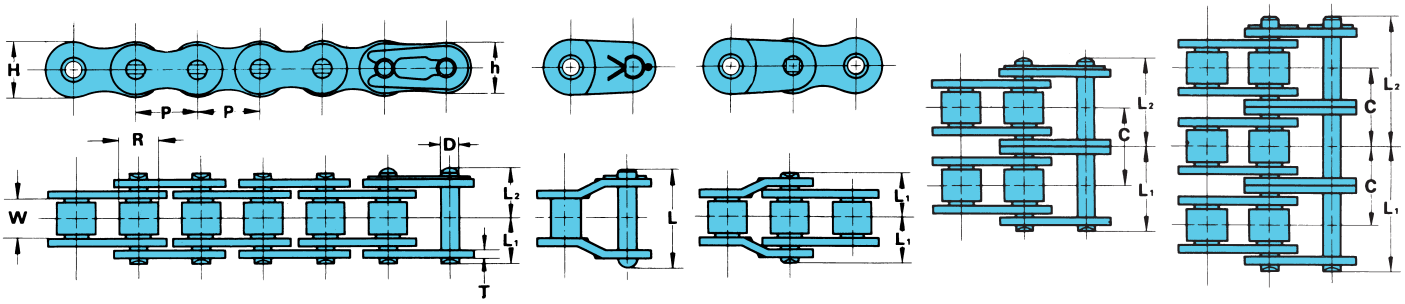
No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	5000	6000	7000	8000
	Lubrication System A								B														C		
11	0.04	0.09	0.16	0.31	0.58	0.82	1.06	1.30	1.76	2.20	2.27	1.71	1.36	1.11	0.93	0.74	0.61	0.51	0.43	0.34	0.28	0.20	0.15	0.12	0.10
12	0.04	0.09	0.19	0.34	0.63	0.90	1.17	1.42	1.93	2.41	2.59	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	0.11	0.20	0.36	0.68	0.98	1.27	1.55	2.10	2.63	2.90	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	0.05	0.11	0.21	0.39	0.74	1.06	1.37	1.68	2.28	2.85	3.14	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	0.05	0.12	0.23	0.43	0.79	1.14	1.47	1.81	2.45	3.07	3.38	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	0.05	0.13	0.24	0.46	0.84	1.22	1.58	1.94	2.63	3.30	3.62	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	0.07	0.13	0.25	0.48	0.91	1.31	1.69	2.08	2.80	3.51	3.86	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	0.07	0.15	0.28	0.52	0.97	1.39	1.80	2.20	2.98	3.74	4.11	3.59	2.86	2.33	1.95	1.55	1.27	1.06	0.91	0.72	0.59	0.42	0.32	0.25	0
19	0.07	0.16	0.29	0.55	1.02	1.47	1.90	2.33	3.16	3.97	4.36	3.89	3.10	2.53	2.12	1.68	1.38	1.15	0.98	0.78	0.64	0.46	0.35	0.28	0
20	0.07	0.16	0.31	0.58	1.09	1.55	2.02	2.47	3.34	4.20	4.61	4.24	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	0.08	0.17	0.32	0.62	1.14	1.65	2.13	2.60	3.52	4.41	4.85	4.56	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	0.08	0.19	0.35	0.64	1.19	1.73	2.22	2.73	3.70	4.64	5.11	4.88	3.85	3.15	2.64	2.09	1.71	1.44	1.23	0.97	0.80	0.57	0.43	0.34	0
23	0.08	0.19	0.36	0.67	1.26	1.81	2.35	2.87	3.89	4.87	5.36	5.21	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	0.09	0.20	0.38	0.71	1.31	1.90	2.45	3.00	4.07	5.11	5.60	5.56	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	0.09	0.21	0.40	0.74	1.38	1.98	2.57	3.14	4.25	5.33	5.86	5.91	4.66	3.81	3.20	2.54	2.08	1.74	1.49	1.18	0.96	0.69	0.53	0	
26	0.09	0.23	0.42	0.76	1.43	2.06	2.68	3.28	4.44	5.56	6.11	6.27	4.94	4.05	3.39	2.69	2.20	1.85	1.58	1.25	1.02	0.73	0.56	0	
28	0.11	0.24	0.44	0.83	1.55	2.24	2.91	3.55	4.81	6.03	6.62	7.01	5.52	4.52	3.79	3.01	2.46	2.06	1.76	1.40	1.14	0.82	0.62	0	
30	0.11	0.25	0.48	0.90	1.68	2.41	3.12	3.82	5.17	6.49	7.13	7.77	6.13	5.01	4.20	3.33	2.73	2.29	1.95	1.55	1.27	0.91	0.69	0	
32	0.12	0.28	0.51	0.97	1.80	2.59	3.36	4.10	5.55	6.96	7.65	8.56	6.75	5.52	4.63	3.67	3.01	2.52	2.15	1.71	1.40	1.00	0		
35	0.13	0.31	0.58	1.06	1.98	2.85	3.70	4.52	6.11	7.67	8.43	9.80	7.72	6.32	5.29	4.20	3.44	2.88	2.46	1.95	1.60	1.14	0		
40	0.16	0.35	0.66	1.23	2.29	3.30	4.26	5.21	7.06	8.86	9.73	11.5	9.43	7.72	6.47	5.13	4.20	3.52	3.01	2.39	1.95	1.40	0		
45	0.17	0.40	0.75	1.39	2.60	3.74	4.85	5.92	8.03	10.1	11.1	13.0	11.3	9.21	7.72	6.13	5.01	4.20	3.59	2.85	2.33	0			

Note: 1. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

2. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS40 1/2" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS40	40	.500	.312	.312	.060	.472	.409	.156

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS40	1	.717	.325	.392	.709	.566	Riveted	3,125	4,290	810	.43	240
RS40-2	2	1.283	.608	.675	1.319		Riveted	6,250	8,580	1,370	.85	
RS40-3	3	1.843	.892	.951	1.886		Riveted	9,375	12,870	2,020	1.28	
RS40-4	4	2.409	1.177	1.232	2.453		Riveted	12,500	17,160	2,670	1.70	
RS40-5	5	2.980	1.461	1.519	3.024		Riveted	15,625	21,450	3,150	2.12	
RS40-6	6	3.547	1.744	1.803	3.591		Riveted	18,750	25,740	3,720	2.55	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

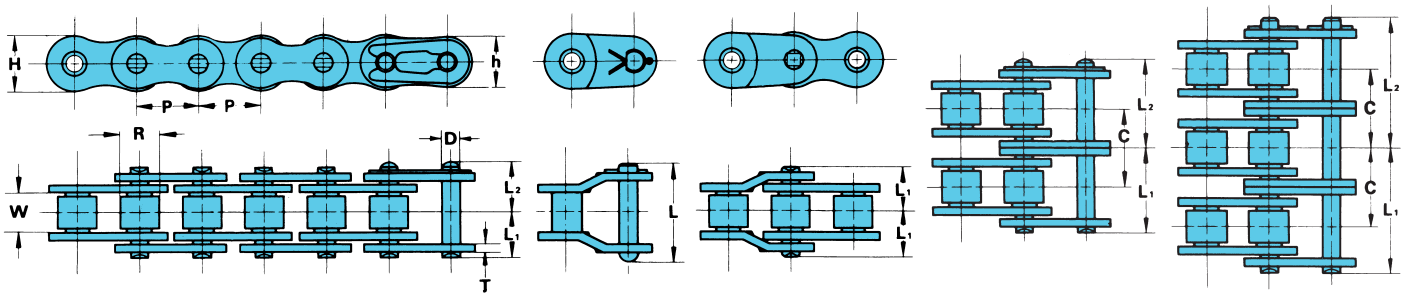
No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	5000	6000	7000	8000
	Lubrication System A													B									C		
11	0.08	0.19	0.35	0.64	1.21	1.73	2.24	2.74	3.70	4.65	5.11	6.02	6.81	5.58	4.67	3.70	3.03	2.55	2.15	1.72	1.41	1.01	0.76	0.62	0.50
12	0.09	0.20	0.38	0.71	1.31	1.90	2.47	3.00	4.08	5.11	5.62	6.61	7.60	6.36	5.31	4.22	3.45	2.90	2.47	1.96	1.60	1.14	0.87	0.68	0.58
13	0.09	0.23	0.42	0.76	1.43	2.07	2.68	3.29	4.44	5.57	6.13	7.21	8.29	7.16	5.99	4.76	3.89	3.26	2.79	2.21	1.81	1.29	0.98	0.78	0.64
14	0.11	0.24	0.44	0.83	1.56	2.24	2.91	3.55	4.81	6.03	6.64	7.82	8.97	8.01	6.71	5.31	4.36	3.65	3.11	2.47	2.02	1.45	1.10	0.87	0.71
15	0.11	0.25	0.48	0.90	1.68	2.41	3.14	3.84	5.19	6.50	7.15	8.42	9.67	8.88	7.43	5.89	4.83	4.04	3.45	2.74	2.24	1.60	1.22	0.97	0.79
16	0.12	0.28	0.52	0.97	1.80	2.59	3.35	4.10	5.55	6.97	7.66	9.03	10.4	9.79	8.18	6.49	5.31	4.45	3.81	3.02	2.47	1.77	1.34	1.07	0.87
17	0.13	0.30	0.55	1.03	1.92	2.76	3.58	4.39	5.93	7.44	8.18	9.64	11.1	10.7	8.97	7.11	5.82	4.88	4.17	3.31	2.71	1.94	1.48	1.17	0.97
18	0.13	0.31	0.59	1.10	2.04	2.95	3.81	4.67	6.32	7.91	8.70	10.2	11.8	11.7	9.76	7.75	6.34	5.31	4.55	3.61	2.96	2.11	1.60	1.27	0
19	0.15	0.34	0.62	1.17	2.17	3.12	4.05	4.95	6.69	8.39	9.23	10.9	12.5	12.7	10.5	8.41	6.88	5.77	4.92	3.92	3.21	2.29	1.74	1.38	0
20	0.16	0.35	0.66	1.23	2.29	3.30	4.28	5.23	7.07	8.86	9.75	11.5	13.2	13.7	11.1	9.08	7.53	6.22	5.31	4.22	3.45	2.47	1.88	1.49	0
21	0.16	0.38	0.70	1.29	2.41	3.47	4.51	5.51	7.46	9.35	10.3	12.1	13.9	14.8	12.4	9.76	7.99	6.71	5.73	4.55	3.71	2.66	2.02	1.60	0
22	0.17	0.39	0.72	1.35	2.53	3.66	4.73	5.79	7.84	9.83	10.8	12.7	14.6	15.8	13.2	10.5	8.57	7.19	6.13	4.87	3.98	2.86	2.17	1.72	0
23	0.17	0.42	0.76	1.42	2.67	3.84	4.98	6.07	8.22	10.3	11.3	13.4	15.3	16.9	14.1	11.2	9.16	7.68	6.56	5.20	4.26	3.06	2.32	1.84	0
24	0.19	0.43	0.80	1.49	2.79	4.02	5.20	6.36	8.61	10.8	11.9	13.9	16.1	18.0	15.0	11.9	9.76	8.18	7.00	5.54	4.55	3.25	2.47	1.96	0
25	0.20	0.44	0.83	1.56	2.91	4.20	5.44	6.65	9.00	11.3	12.4	14.6	16.8	18.9	16.0	12.7	10.4	8.70	7.43	5.89	4.83	3.45	2.63	0	
26	0.20	0.47	0.87	1.62	3.04	4.39	5.67	6.93	9.39	11.8	12.9	15.3	17.6	19.7	17.0	13.5	11.0	9.24	7.89	6.25	5.12	3.66	2.76	0	
28	0.23	0.51	0.95	1.77	3.30	4.75	6.14	7.51	10.2	12.8	14.1	16.5	19.0	21.5	19.0	15.0	12.3	10.3	8.81	7.00	5.73	4.09	3.11	0	
30	0.24	0.55	1.02	1.90	3.55	5.11	6.62	8.10	11.0	13.7	15.2	17.8	20.4	23.1	21.1	16.8	13.5	11.4	9.76	7.75	6.34	4.55	3.45	0	
32	0.25	0.59	1.09	2.04	3.81	5.48	7.09	8.68	11.7	14.8	16.2	19.0	21.9	24.7	23.2	18.4	15.0	12.6	10.8	8.54	7.00	5.00	0		
35	0.28	0.64	1.21	2.24	4.20	6.03	7.82	9.56	12.9	16.2	17.8	21.1	24.1	27.2	26.6	21.1	17.2	14.3	12.3	9.76	7.99	5.73	0		
40	0.32	0.75	1.39	2.59	4.84	6.97	9.04	11.1	14.9	18.8	20.7	24.3	27.9	31.5	32.5	25.7	21.1	17.6	15.0	11.9	9.76	7.00	0		
45	0.38	0.84	1.58	2.95	5.50	7.93	10.3	12.5	17.0	21.3	23.5	27.6	31.6	35.7	38.6	30.6	25.1	21.1	18.0	14.2	11.7	0			

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS50 5/8" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS50	50	.625	.400	.375	.080	.591	.512	.200

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS50	1	.878	.406	.472	.886	.713	Riveted	4,880	7,050	1,430	.70	192
RS50-2	2	1.595	.762	.833	1.646		Riveted	9,760	14,100	2,430	1.39	
RS50-3	3	2.307	1.118	1.189	2.358		Riveted	14,640	21,150	3,570	2.08	
RS50-4	4	3.020	1.475	1.545	3.075		Riveted	19,520	28,200	4,710	2.76	
RS50-5	5	3.732	1.831	1.901	3.787		Riveted	24,400	35,250	5,570	3.45	
RS50-6	6	4.449	2.189	2.260	4.504		Riveted	29,280	42,300	6,570	4.14	

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500	4000	4500	5000	5500	6000
	Lubrication System A											B												C	
11	0.16	0.38	0.71	1.33	2.48	3.58	4.64	5.66	7.67	9.62	10.6	10.3	8.14	6.65	5.58	4.43	3.62	3.04	2.59	2.07	1.68	1.41	1.21	1.05	0.93
12	0.19	0.42	0.78	1.46	2.72	3.93	5.10	6.22	8.42	10.6	11.6	11.7	9.27	7.59	6.36	5.04	4.13	3.46	2.95	2.35	1.92	1.61	1.37	1.19	1.05
13	0.20	0.46	0.86	1.60	2.98	4.28	5.55	6.79	9.19	11.5	12.7	13.2	10.4	8.56	7.16	5.70	4.65	3.90	3.33	2.64	2.16	1.81	1.56	1.34	0
14	0.21	0.50	0.93	1.73	3.22	4.64	6.01	7.35	9.95	12.5	13.7	14.8	11.7	9.56	8.02	6.36	5.20	4.36	3.73	2.95	2.43	2.02	1.73	1.50	0
15	0.23	0.54	0.99	1.86	3.47	5.00	6.48	7.93	10.7	13.4	14.8	16.4	13.0	10.6	8.89	7.05	5.77	4.83	4.13	3.27	2.68	2.25	1.92	1.66	0
16	0.25	0.58	1.07	2.00	3.73	5.36	6.95	8.49	11.5	14.3	15.8	18.0	14.3	11.7	9.79	7.76	6.36	5.32	4.55	3.61	2.95	2.47	2.11	1.84	0
17	0.27	0.62	1.14	2.13	3.97	5.73	7.42	9.07	12.3	15.4	16.9	19.7	15.7	12.8	10.7	8.50	6.96	5.83	4.99	3.96	3.23	2.71	2.31	2.01	0
18	0.28	0.66	1.22	2.27	4.22	6.09	7.89	9.64	13.0	16.4	18.0	21.2	17.0	13.9	11.7	9.27	7.59	6.36	5.42	4.30	3.53	2.95	2.52	0	
19	0.31	0.68	1.29	2.40	4.48	6.45	8.37	10.2	13.8	17.3	19.0	22.5	18.5	15.2	12.7	10.0	8.22	6.89	5.89	4.67	3.82	3.21	2.74	0	
20	0.32	0.72	1.35	2.53	4.73	6.83	8.84	10.8	14.6	18.4	20.1	23.7	20.0	16.4	13.7	10.8	8.89	7.44	6.36	5.04	4.13	3.46	2.95	0	
21	0.34	0.76	1.43	2.68	4.99	7.19	9.32	11.4	15.4	19.3	21.2	25.1	21.5	17.6	14.8	11.7	9.57	8.02	6.84	5.42	4.44	3.73	3.18	0	
22	0.35	0.80	1.50	2.82	5.24	7.56	9.80	12.0	16.2	20.4	22.4	26.3	23.1	18.8	15.8	12.5	10.2	8.60	7.34	5.82	4.76	4.00	3.41	0	
23	0.38	0.84	1.58	2.95	5.51	7.94	10.3	12.6	17.0	21.3	23.5	27.6	24.7	20.1	16.9	13.4	11.0	9.19	7.84	6.22	5.10	4.28	0		
24	0.39	0.89	1.66	3.08	5.77	8.30	10.8	13.2	17.8	22.4	24.5	29.0	26.3	21.5	18.0	14.3	11.7	9.79	8.35	6.64	5.42	4.55	0		
25	0.40	0.93	1.73	3.23	6.02	8.68	11.3	13.8	18.6	23.3	25.6	30.2	27.9	22.8	19.2	15.2	12.4	10.4	8.89	7.05	5.77	4.83	0		
26	0.43	0.97	1.81	3.37	6.29	9.05	11.7	14.3	19.4	24.4	26.8	31.5	29.6	24.3	20.2	16.1	13.2	11.0	9.43	7.47	6.13	5.14	0		
28	0.46	1.05	1.96	3.65	6.81	9.82	12.7	15.6	21.1	26.4	29.0	34.2	33.1	27.0	22.7	18.0	14.8	12.3	10.5	8.35	6.84	5.74	0		
30	0.50	1.13	2.11	3.93	7.34	10.6	13.7	16.8	22.7	28.4	31.2	36.7	36.7	30.0	25.1	19.8	16.4	13.7	11.7	9.27	7.59	0			
32	0.54	1.21	2.27	4.21	7.87	11.3	14.6	18.0	24.3	30.4	33.5	39.4	40.4	33.3	27.8	22.0	18.0	15.2	12.9	10.2	8.35	0			
35	0.59	1.33	2.49	4.64	8.66	12.5	16.2	19.7	26.8	33.5	36.9	43.4	46.3	38.1	31.6	25.1	20.7	17.2	14.8	11.7	9.56	0			
40	0.67	1.54	2.87	5.36	10.0	14.5	18.6	22.8	31.0	38.8	42.6	50.3	56.5	46.4	38.8	30.7	25.1	21.1	18.0	14.3	0				
45	0.76	1.74	3.27	6.09	11.4	16.4	21.2	25.9	35.1	44.0	48.4	57.0	65.6	55.1	46.1	36.6	30.0	25.1	21.5	0					

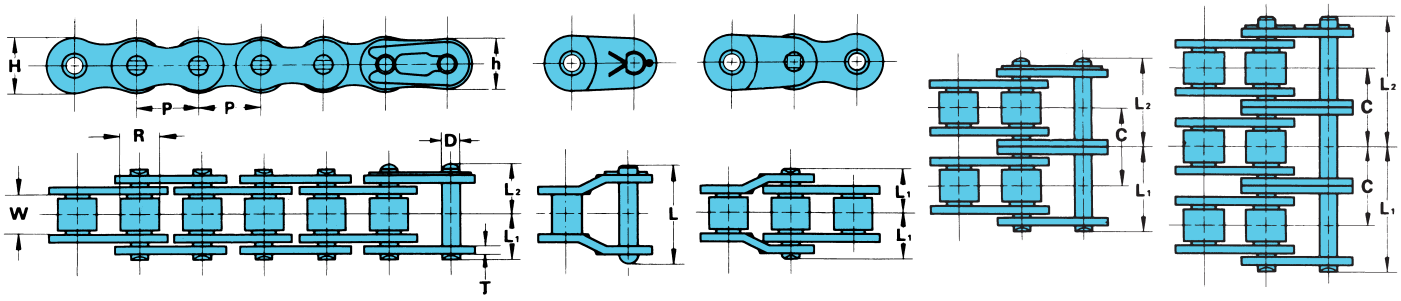
Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS60 3/4" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS60	60	.750	.469	.500	.094	.713	.614	.234

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS60	1	1.087	.506	.581	1.110	.897	Riveted	7,030	9,920	1,980	1.03	160
RS60-2	2	1.988	.955	1.033	2.071		Riveted	14,060	19,840	3,360	2.04	
RS60-3	3	2.906	1.404	1.502	2.972		Riveted	21,090	29,760	4,950	3.05	
RS60-4	4	3.803	1.852	1.951	3.870		Riveted	28,120	39,680	6,530	4.06	
RS60-5	5	4.705	2.303	2.402	4.772		Riveted	35,150	49,600	7,720	5.07	
RS60-6	6	5.606	2.752	2.854	5.669		Riveted	42,180	59,520	9,100	6.08	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

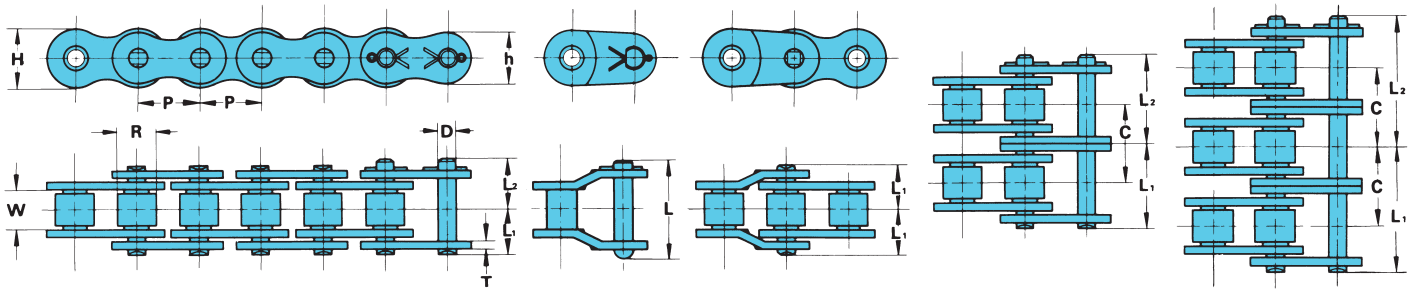
No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500
	Lubrication System A													B								C			
11	0.30	0.67	1.26	2.35	3.39	4.39	6.32	8.19	10.0	11.8	13.5	15.3	17.0	15.6	13.5	11.9	9.41	7.70	6.45	5.51	3.94	3.00	2.39	1.94	1.64
12	0.32	0.74	1.38	2.59	3.71	4.81	6.95	9.00	11.0	13.0	14.9	16.8	18.6	17.8	15.6	13.5	10.7	8.77	7.35	6.29	4.49	3.42	2.71	2.23	1.86
13	0.35	0.80	1.52	2.82	4.06	5.26	7.58	9.80	12.0	14.1	16.2	18.2	20.4	20.1	17.4	15.2	12.1	9.90	8.30	7.08	5.07	3.85	3.06	2.51	0
14	0.39	0.87	1.64	3.06	4.40	5.70	8.21	10.6	13.0	15.3	17.6	19.8	22.0	22.4	19.4	17.0	13.5	11.1	9.27	7.91	5.66	4.32	3.42	2.80	0
15	0.42	0.94	1.76	3.29	4.73	6.13	8.84	11.5	13.9	16.5	18.9	21.3	23.7	24.8	21.6	18.8	15.0	12.3	10.3	8.77	6.29	4.77	3.80	3.10	0
16	0.44	1.01	1.89	3.53	5.08	6.57	9.47	12.3	15.0	17.7	20.2	22.9	25.5	27.4	23.7	20.9	16.5	13.5	11.3	9.67	6.92	5.26	4.17	3.42	0
17	0.47	1.09	2.01	3.77	5.42	7.03	10.1	13.1	16.0	18.9	21.7	24.4	27.2	29.9	26.0	22.9	18.1	14.8	12.4	10.6	7.58	5.77	4.57	3.74	0
18	0.51	1.15	2.15	4.00	5.77	7.47	10.8	13.9	17.0	20.1	23.1	26.0	29.0	31.8	28.3	24.9	19.7	16.1	13.5	11.5	8.26	6.29	4.99	4.08	0
19	0.54	1.22	2.28	4.24	6.12	7.91	11.4	14.8	18.1	21.3	24.4	27.6	30.7	33.7	30.7	27.1	21.5	17.6	14.6	12.5	8.96	6.81	5.40	4.43	0
20	0.56	1.29	2.40	4.48	6.46	8.37	12.1	15.6	19.0	22.5	25.9	29.1	32.5	35.7	33.1	29.2	23.1	18.9	15.8	13.5	9.67	7.35	5.83	0	
21	0.59	1.35	2.53	4.73	6.81	8.82	12.7	16.5	20.1	23.7	27.2	30.7	34.2	37.5	35.7	31.5	24.8	20.2	17.0	14.5	10.4	7.91	6.29	0	
22	0.63	1.42	2.67	4.98	7.16	9.28	13.4	17.3	21.2	24.9	28.7	32.3	35.9	39.4	38.2	33.8	26.6	21.9	18.2	15.6	11.1	8.49	6.73	0	
23	0.66	1.50	2.79	5.22	7.51	9.74	14.1	18.1	22.3	26.1	30.0	33.9	37.7	41.4	40.9	36.1	28.4	23.3	19.4	16.8	11.9	9.08	7.19	0	
24	0.68	1.57	2.92	5.46	7.87	10.2	14.6	19.0	23.2	27.4	31.5	35.5	39.4	43.3	43.6	38.2	30.3	24.8	20.8	17.8	12.7	9.67	7.67	0	
25	0.72	1.64	3.06	5.71	8.22	10.6	15.3	19.8	24.3	28.6	32.9	37.1	41.2	45.3	46.4	40.6	32.2	26.4	22.1	18.9	13.5	10.3	8.15	0	
26	0.75	1.72	3.19	5.95	8.58	11.1	16.0	20.8	25.3	29.9	34.3	38.8	43.0	47.3	49.2	43.2	34.2	28.0	23.5	20.0	14.3	10.9	8.55	0	
28	0.82	1.85	3.46	6.45	9.29	12.0	17.3	22.4	27.5	32.3	37.1	42.0	46.7	51.2	55.0	48.3	38.2	31.4	26.1	22.4	16.0	12.2	0		
30	0.87	2.00	3.73	6.95	10.0	13.0	18.6	24.1	29.6	34.9	40.1	45.2	50.2	55.3	60.2	53.5	42.4	34.7	29.1	24.8	17.8	13.5	0		
32	0.94	2.15	4.00	7.46	10.7	13.9	20.0	25.9	31.8	37.4	42.9	48.4	53.8	59.1	64.5	58.9	46.7	38.2	32.1	27.4	19.6	14.9	0		
35	1.03	2.36	4.40	8.21	11.8	15.3	22.1	28.6	35.0	41.2	47.3	53.4	59.3	65.2	71.1	67.5	53.4	43.7	36.6	31.4	22.4	17.0	0		
40	1.19	2.72	5.08	9.48	13.7	17.7	25.5	33.0	40.4	47.6	54.6	61.6	68.5	75.4	82.1	82.3	65.7	53.5	44.8	38.2	27.4	0			
45	1.35	3.10	5.77	10.8	15.6	20.1	29.0	37.5	45.9	54.0	62.1	70.0	77.8	85.6	93.2	98.3	78.4	63.7	53.4	45.6	32.6	0			

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS80 1" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS80	80	1.000	.625	.625	.125	.949	.819	.312

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS80	1	1.398	.640	.758	1.417	1.153	Riveted	12,500	17,640	3,300	1.79	120
RS80-2	2	2.552	1.217	1.335	2.657		Riveted	25,000	35,280	5,610	3.54	
RS80-3	3	3.704	1.795	1.909	3.815		Riveted	37,500	52,920	8,250	5.30	
RS80-4	4	4.862	2.372	2.490	4.972		Riveted	50,000	70,560	10,890	7.06	
RS80-5	5	6.020	2.951	3.069	6.126		Riveted	62,500	88,200	12,870	8.81	
RS80-6	6	7.170	3.528	3.642	7.280		Riveted	75,000	105,840	15,180	10.57	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 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
	Lubrication System A					B													C						
11	0.88	2.02	3.76	7.02	10.1	13.1	18.9	24.4	29.9	30.3	30.3	27.4	23.0	19.6	17.0	14.9	11.8	9.70	8.13	6.94	6.01	5.28	4.42	3.78	1.70
12	0.97	2.21	4.13	7.71	11.1	14.4	20.7	26.8	32.8	33.4	33.3	31.2	26.2	22.4	19.4	17.0	13.5	11.0	9.26	7.90	6.85	6.01	5.04	4.30	
13	1.06	2.41	4.50	8.40	12.1	15.7	22.6	29.3	35.8	36.3	36.3	35.2	29.5	25.2	21.9	19.2	15.2	12.5	10.4	8.91	7.73	6.78	5.68	4.85	
14	1.15	2.61	4.88	9.10	13.1	17.0	24.5	31.7	38.8	39.4	39.4	39.4	33.0	28.2	24.4	21.4	17.0	13.9	11.7	9.96	8.63	7.58	6.35	5.42	
15	1.23	2.82	5.26	9.81	14.1	18.3	26.4	34.2	41.8	43.7	43.7	43.7	36.6	31.2	27.1	23.8	18.9	15.4	12.9	11.0	9.58	8.40	7.04	6.01	
16	1.32	3.02	5.64	10.5	15.1	19.6	28.3	36.6	44.8	48.1	48.1	48.1	40.3	34.4	29.8	26.2	20.8	17.0	14.3	12.2	10.5	9.26	7.76	6.62	
17	1.41	3.22	6.02	11.2	16.2	21.0	30.2	39.1	47.8	56.3	52.7	52.7	44.2	37.7	32.7	28.7	22.8	18.6	15.6	13.3	11.6	10.1	8.50	7.26	
18	1.50	3.43	6.40	11.9	17.2	22.3	32.1	41.6	50.8	57.4	57.4	57.4	48.1	41.1	35.6	31.2	24.8	20.3	17.0	14.5	12.6	11.0	9.26	7.90	
19	1.59	3.64	6.79	12.7	18.2	23.6	34.0	44.1	53.9	61.7	61.7	61.7	52.2	44.5	38.6	33.9	26.9	22.0	18.4	15.7	13.7	12.0	10.0	8.57	
20	1.68	3.84	7.17	13.4	19.3	25.0	36.0	46.6	57.0	65.3	65.3	65.3	56.3	48.1	41.7	36.6	29.0	23.8	19.9	17.0	14.7	12.9	10.8		
21	1.78	4.05	7.56	14.1	20.3	26.3	37.9	49.1	60.0	68.8	68.8	68.8	60.6	51.8	44.9	39.4	31.2	25.6	21.4	18.3	15.9	13.9	11.7		
22	1.87	4.26	7.95	14.8	21.4	27.7	39.9	51.7	63.1	72.3	72.3	72.3	65.0	55.5	48.1	42.2	33.5	27.4	23.0	19.6	17.0	14.9	12.5		
23	1.96	4.47	8.34	15.6	22.4	29.0	41.8	54.2	66.2	75.9	75.9	75.9	69.5	59.3	51.4	45.1	35.8	29.3	24.6	21.0	18.2	16.0	13.4		
24	2.05	4.68	8.73	16.3	23.5	30.4	43.8	56.7	69.4	79.5	79.5	79.5	74.1	63.2	54.8	48.1	38.2	31.2	26.2	22.4	19.4	17.0	14.3		
25	2.14	4.89	9.13	17.0	24.5	31.8	45.8	59.3	72.5	83.0	83.0	83.0	78.7	67.2	58.3	51.1	40.6	33.2	27.8	23.8	20.6	18.1	15.2		
26	2.24	5.10	9.52	17.8	25.6	33.2	47.8	61.9	75.6	86.6	86.6	86.6	83.5	71.3	61.8	54.2	43.0	35.2	29.5	25.2	21.9	19.2	16.1		
28	2.42	5.53	10.3	19.2	27.7	35.9	51.7	67.0	81.9	93.9	93.9	93.9	93.3	79.7	69.1	60.6	48.1	39.4	33.0	28.2	24.4	21.4			
30	2.61	5.95	11.1	20.7	29.9	38.7	55.7	72.2	88.3	104	104	104	104	88.4	76.6	67.2	53.4	43.7	36.6	31.2	27.1	23.8			
32	2.80	6.38	11.9	22.2	32.0	41.5	59.8	77.4	94.6	112	114	114	114	97.4	84.4	74.1	58.8	48.1	40.3	34.4	29.8	26.2			
35	3.08	7.03	13.1	24.5	35.3	45.7	65.8	85.3	104	123	130	130	130	111	96.5	84.7	67.2	55.0	46.1	39.4	34.1				
40	3.56	8.12	15.2	28.3	40.8	52.8	76.0	98.5	120	142	153	153	153	136	118	104	82.1	67.2	56.3	48.1	20.0				
45	4.04	9.23	17.2	32.1	46.3	60.0	86.4	112	137	161	174	174	174	162	141	124	98.0	80.2	67.2	54.2					

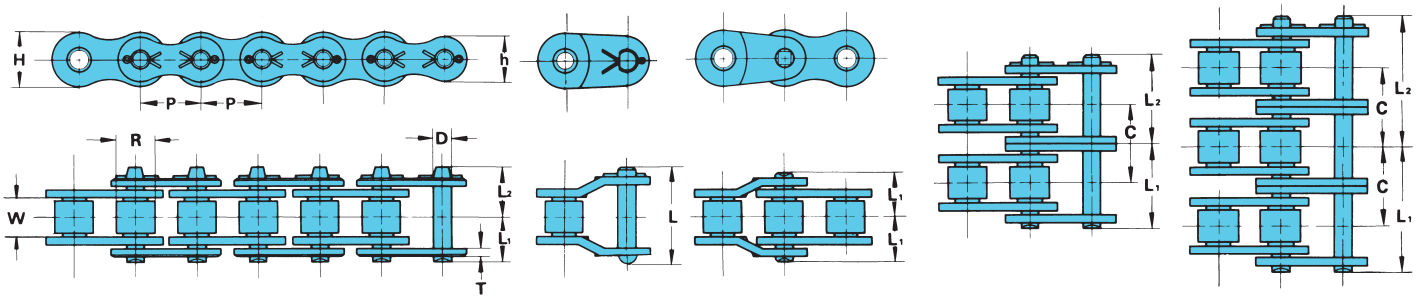
Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS100 1 1/4" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS100	100	1.250	.750	.750	.156	1.185	1.024	.375

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS100	1	1.678	.778	.900	1.748	1.408	Cottered	19,530	26,460	5,070	2.68	96
RS100-2	2	3.090	1.484	1.606	3.209		Cottered	39,060	52,920	8,610	5.27	
RS100-3	3	4.504	2.191	2.313	4.618		Cottered	58,590	79,380	12,670	7.91	
RS100-4	4	5.914	2.896	3.018	6.028		Riveted	78,120	105,840	16,730	10.55	
RS100-5	5	7.326	3.602	3.724	7.437		Riveted	97,650	132,300	19,770	13.12	
RS100-6	6	8.740	4.309	4.431	8.846		Riveted	117,180	158,760	23,320	15.78	

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

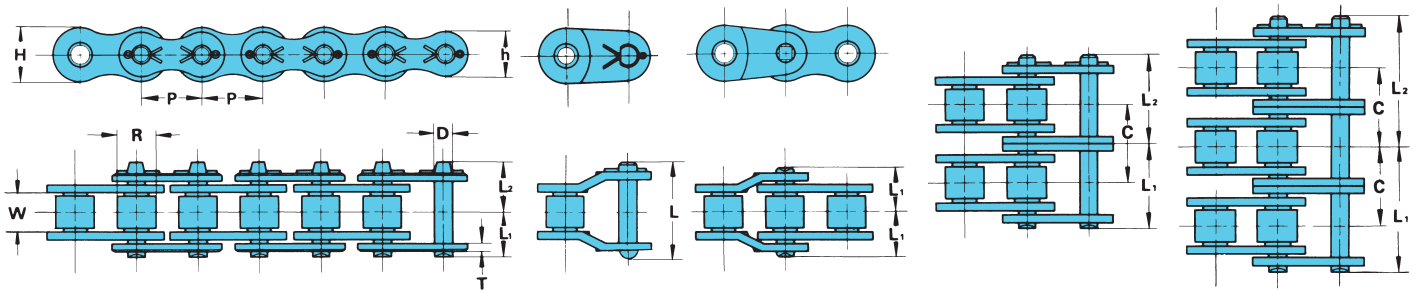
No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2700
	Lubrication System A							B													C				
11	1.70	3.87	7.23	13.5	19.4	25.2	36.2	44.0	44.0	44.0	40.1	32.8	27.5	23.5	20.3	17.8	15.8	14.2	11.6	9.71	8.29	7.19	6.31	1.29	
12	1.86	4.25	7.94	14.8	21.3	27.6	39.8	48.4	48.4	48.4	45.6	37.4	31.3	26.7	23.2	20.3	18.0	16.1	13.2	11.1	9.45	8.19	7.19		
13	2.03	4.64	8.65	16.2	23.3	30.1	43.4	52.7	52.7	52.7	51.5	42.1	35.3	30.1	26.1	22.9	20.3	18.2	14.9	12.5	10.7	9.24	8.11		
14	2.20	5.02	9.38	17.5	25.2	32.6	47.0	57.5	57.5	57.5	57.5	47.1	39.4	33.7	29.2	25.6	22.7	20.3	16.6	13.9	11.9	10.3	9.06		
15	2.37	5.41	10.1	18.8	27.2	35.2	50.7	63.8	63.8	63.8	63.8	52.2	43.7	37.4	32.4	28.4	25.2	22.5	18.5	15.5	13.2	11.4	10.0		
16	2.54	5.80	10.8	20.2	29.1	37.7	54.3	70.3	70.3	70.3	70.3	57.5	48.2	41.2	35.7	31.3	27.8	24.8	20.3	17.0	14.5	12.6	11.1		
17	2.72	6.20	11.6	21.6	31.1	40.3	58.0	75.1	77.0	77.0	77.0	63.0	52.8	45.1	39.1	34.3	30.4	27.2	22.3	18.7	15.9	13.8	0.79		
18	2.89	6.59	12.3	23.0	33.1	42.8	61.7	79.9	83.8	83.8	83.8	68.6	57.5	49.1	42.6	37.4	33.1	29.6	24.3	20.3	17.4	15.0			
19	3.06	6.99	13.0	24.3	35.0	45.4	65.4	84.7	90.9	90.9	90.9	74.4	62.4	53.3	46.2	40.5	35.9	32.1	26.3	22.1	18.8	16.3			
20	3.24	7.39	13.8	25.7	37.0	48.0	69.1	89.6	96.4	96.4	96.5	80.4	67.4	57.5	49.8	43.7	38.8	34.7	28.4	23.8	20.3	17.6			
21	3.41	7.79	14.5	27.1	39.0	50.6	72.9	94.4	102	102	102	86.5	72.5	61.9	53.6	47.1	41.7	37.4	30.6	25.6	21.9	19.0			
22	3.59	8.19	15.3	28.5	41.1	53.2	76.6	99.3	107	107	107	92.7	77.7	66.3	57.5	50.5	44.8	40.1	32.8	27.5	23.5	20.3			
23	3.77	8.59	16.0	29.9	43.1	55.8	80.4	104	112	112	112	99.1	83.1	70.9	61.5	54.0	47.8	42.8	35.0	29.4	25.1	7.74			
24	3.94	8.99	16.8	31.3	45.1	58.4	84.2	109	117	117	117	106	88.5	75.6	65.5	57.5	51.0	45.6	37.4	31.3	26.7				
25	4.12	9.40	17.5	32.7	47.1	61.1	88.0	114	123	123	123	112	94.1	80.4	69.7	61.1	54.2	48.5	39.7	33.3	28.4				
26	4.30	9.80	18.3	34.1	49.2	63.7	91.8	119	128	128	128	119	99.8	85.2	73.9	64.8	57.5	51.5	42.1	35.3	30.1				
28	4.66	10.6	19.8	37.0	53.3	69.0	99.4	129	138	138	139	133	112	95.3	82.6	72.5	64.3	57.5	47.1	39.4	33.7				
30	5.02	11.4	21.4	39.8	57.4	74.4	107	139	149	149	149	148	124	106	91.6	80.4	71.3	63.8	52.2	43.7	10.0				
32	5.38	12.3	22.9	42.7	61.5	79.7	115	149	162	162	162	163	136	116	101	88.5	78.5	70.3	57.5	45.2					
35	5.93	13.5	25.2	47.1	67.8	87.8	127	164	186	186	186	186	156	133	115	101	89.8	80.4	65.8	55.1					
40	6.84	15.6	29.1	54.4	78.3	101	146	189	228	228	228	227	191	163	141	124	110	98.2	80.4						
45	7.77	17.7	33.1	61.7	88.9	115	166	215	263	263	263	261	227	194	168	148	131	117	45.3						

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS120 1 1/2" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS120	120	1.500	.875	1.000	.187	1.425	1.228	.437

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS120	1	2.118	.980	1.138	2.197	1.789	Cottered	28,125	37,480	6,830	3.98	80
RS120-2	2	3.905	1.874	2.031	4.063		Cottered	56,250	74,960	11,560	7.86	
RS120-3	3	5.701	2.772	2.929	5.850		Cottered	84,375	112,440	17,070	11.78	
RS120-4	4	7.488	3.665	3.823	7.638		Riveted	112,500	149,920	22,530	15.70	
RS120-5	5	9.280	4.561	4.719	9.425		Riveted	140,625	187,400	26,630	19.59	
RS120-6	6	11.067	5.455	5.612	11.213		Riveted	168,750	224,880	31,410	23.49	

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
	Lubrication System A			B									C												
11	2.74	6.25	11.7	21.8	31.4	40.6	58.5	68.4	68.4	58.4	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	9.60	
12	3.01	6.87	12.8	23.9	34.4	44.6	64.3	75.2	75.2	66.5	52.8	43.2	36.2	30.9	26.8	23.5	20.9	18.7	16.8	15.3	14.0	12.8	11.8	10.9	
13	3.28	7.49	14.0	26.1	37.6	48.6	70.1	81.9	82.0	75.0	59.5	48.7	40.8	34.9	30.2	26.5	23.5	21.1	19.0	17.2	15.7	14.4	13.3	12.3	
14	3.56	8.11	15.1	28.2	40.7	52.7	75.9	88.8	88.8	83.8	66.5	54.5	45.6	39.0	33.8	29.6	26.3	23.5	21.2	19.3	17.6	16.1	14.9	8.9	
15	3.83	8.74	16.3	30.4	43.8	56.8	81.8	95.6	95.7	93.0	73.8	60.4	50.6	43.2	37.5	32.9	29.2	26.1	23.5	21.4	19.5	17.9	16.5		
16	4.11	9.37	17.5	32.6	47.0	60.9	87.7	103	103	102	81.3	66.5	55.8	47.6	41.3	36.2	32.1	28.7	25.9	23.5	21.5	19.7	18.2		
17	4.38	10.0	18.7	34.8	50.2	65.0	93.6	112	112	112	89.0	72.9	61.1	52.1	45.2	39.7	35.2	31.5	28.4	25.8	23.5	21.6	19.9		
18	4.66	10.6	19.9	37.0	53.4	69.1	99.6	122	122	122	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		
19	4.94	11.3	21.0	39.3	56.6	73.3	106	133	133	133	105	86.1	72.2	61.6	53.4	46.9	41.6	37.2	33.5	30.4	27.8	25.5			
20	5.23	11.9	22.2	41.5	59.8	77.5	112	143	143	143	114	93.0	77.9	66.5	57.7	50.6	44.9	40.2	36.2	32.9	30.0	27.6			
21	5.51	12.6	23.5	43.8	63.0	81.7	118	152	154	154	122	100	83.8	71.6	62.1	54.5	48.3	43.2	39.0	35.4	32.3	29.6			
22	5.79	13.2	24.7	46.0	66.3	85.9	124	160	165	165	131	107	89.9	76.8	66.5	58.4	51.8	46.3	41.8	37.9	34.6	16.6			
23	6.08	13.9	25.9	48.3	69.5	90.1	130	168	177	177	140	115	96.1	82.1	71.1	62.4	55.4	49.5	44.7	40.5	37.0				
24	6.36	14.5	27.1	50.5	72.8	94.3	136	176	188	187	149	122	102	87.5	75.8	66.5	59.0	52.8	47.6	43.2	39.5				
25	6.65	15.2	28.3	52.8	76.1	98.6	142	184	196	196	159	130	109	93.0	80.6	70.7	62.7	56.1	50.6	45.9	41.3				
26	6.94	15.8	29.5	55.1	79.4	103	148	192	204	204	168	138	116	98.6	85.5	75.0	66.5	59.5	53.7	48.7	26.6				
28	7.52	17.1	32.0	59.7	86.0	111	160	208	221	221	188	154	129	110	96.0	83.8	74.4	66.5	60.0	54.5					
30	8.10	18.5	34.5	64.3	92.7	120	173	224	239	238	209	171	143	122	106	93.0	82.5	73.8	66.5	42.4					
32	8.68	19.8	37.0	69.0	99.3	129	185	240	256	256	230	188	158	135	117	102	90.9	81.3	73.3						
35	9.56	21.8	40.7	76.0	109	142	204	265	282	282	263	215	180	154	134	117	104	93.0	47.7						
40	11.0	25.2	47.0	87.8	126	164	236	306	325	325	321	263	220	188	163	143	127	59.5							
45	12.5	28.6	53.4	99.7	144	186	268	347	384	384	383	314	263	225	195	171	80.1								

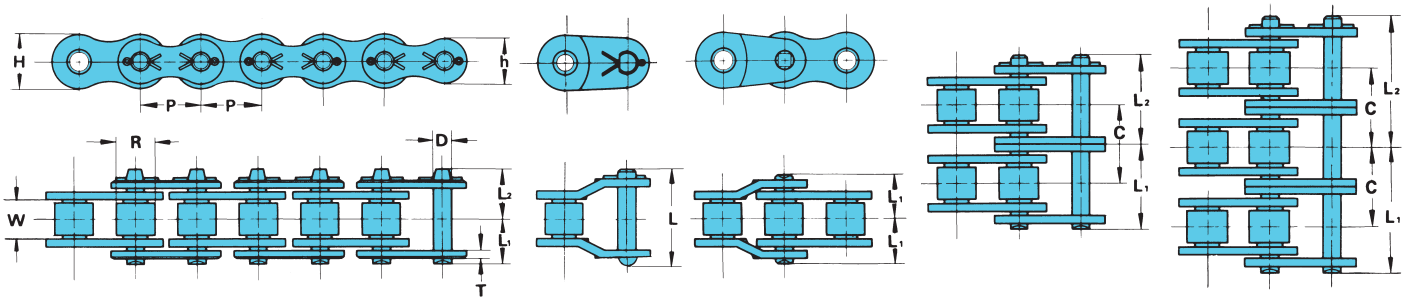
Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS140 1 3/4" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS140	140	1.750	1.000	1.000	.219	1.661	1.433	.500

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS140	1	2.307	1.059	1.248	2.382	1.924	Cottered	38,280	48,510	9,040	5.03	68
RS140-2	2	4.233	2.022	2.211	4.421		Cottered	76,560	97,020	15,360	9.97	
RS140-3	3	6.165	2.986	3.179	6.350		Cottered	114,840	145,530	22,600	14.92	
RS140-4	4	8.091	3.949	4.142	8.276		Riveted	153,120	194,040	29,830	19.16	
RS140-5	5	10.015	4.913	5.102	10.201		Riveted	191,400	242,550	35,250	24.84	
RS140-6	6	11.949	5.878	6.071	12.126		Riveted	229,680	291,060	41,580	29.77	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

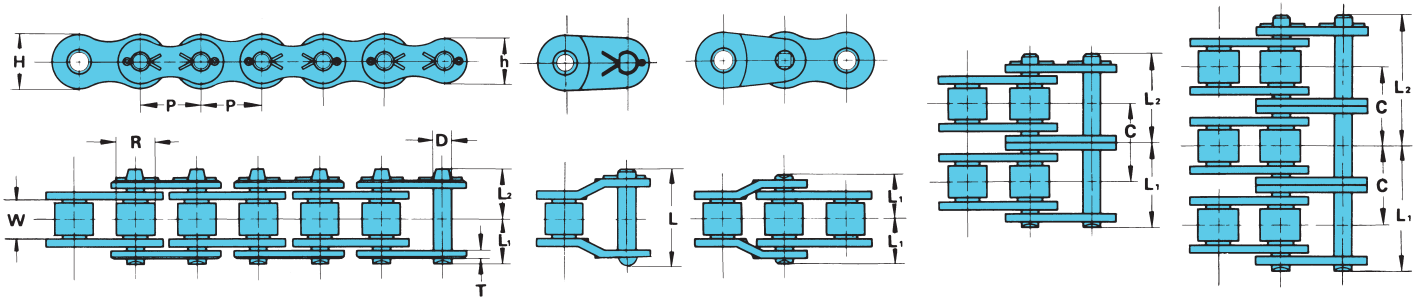
No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
	Lubrication System A			B											C										
11	4.23	9.64	18.0	33.6	48.4	62.7	76.6	90.3	97.5	97.5	97.5	86.8	75.3	66.1	52.4	42.9	36.0	30.7	26.6	23.4	20.7	18.5	16.7	15.2	
12	4.64	10.6	19.8	36.9	53.1	68.8	84.1	99.2	107	107	107	98.9	85.8	75.3	59.7	48.9	41.0	35.0	30.3	26.6	23.6	21.1	19.0	17.3	
13	5.06	11.5	21.6	40.2	57.9	75.1	91.7	108	117	117	117	112	96.7	84.9	67.4	55.1	46.2	39.4	34.2	30.0	26.6	23.8	21.5	19.5	
14	5.49	12.5	23.3	43.6	62.8	81.3	99.4	117	127	127	127	125	108	94.9	75.3	61.6	51.6	44.1	38.2	33.5	29.7	26.6	24.0	21.8	
15	5.91	13.5	25.2	46.9	67.6	87.6	107	126	138	138	138	138	120	105	83.5	68.3	57.3	48.9	42.4	37.2	33.0	29.5	26.6		
16	6.34	14.5	27.0	50.3	72.5	93.9	115	135	153	153	153	152	132	116	92.0	75.3	63.1	53.9	46.7	41.0	36.3	32.5	29.3		
17	6.76	15.4	28.8	53.7	77.4	100	123	144	166	166	166	167	145	127	101	82.4	69.1	59.0	51.1	44.9	39.8	35.6	32.1		
18	7.20	16.4	30.6	57.2	82.3	107	130	154	176	182	182	182	158	138	110	89.8	75.3	64.3	55.7	48.9	43.4	38.8	35.0		
19	7.63	17.4	32.5	60.6	87.3	113	138	163	187	193	193	193	171	150	119	97.4	81.6	69.7	60.4	53.0	47.0	42.1	37.9		
20	8.06	18.4	34.3	64.0	92.3	120	146	172	198	204	204	205	185	162	129	105	88.2	75.3	65.2	57.3	50.8	45.4			
21	8.50	19.4	36.2	67.5	97.2	126	154	181	208	216	216	216	199	174	138	113	94.9	81.0	70.2	61.6	54.6	48.9			
22	8.94	20.4	38.0	71.0	102	132	162	191	219	227	227	227	213	187	148	121	102	86.8	75.3	66.1	58.6	52.4			
23	9.38	21.4	39.9	74.5	107	139	170	200	230	237	237	238	228	200	159	130	109	92.8	80.5	70.6	62.6	56.0			
24	9.82	22.4	41.8	78.0	112	146	178	210	241	249	249	249	243	213	169	138	116	98.9	85.8	75.3	66.8	59.7			
25	10.3	23.4	43.7	81.5	117	152	186	219	252	260	260	260	258	226	180	147	123	105	91.2	80.0	71.0	63.5			
26	10.7	24.4	45.6	85.0	122	159	194	229	263	274	274	274	274	240	191	156	131	112	96.7	84.9	75.3				
28	11.6	26.5	49.4	92.1	133	172	210	248	284	306	306	306	306	268	213	174	146	125	108	94.9	84.1				
30	12.5	28.5	53.2	99.2	143	185	226	267	306	339	339	339	339	298	236	193	162	138	120	105	93.3				
32	13.4	30.6	57.0	106	153	199	243	286	329	370	370	370	370	328	260	213	178	152	132	116					
35	14.8	33.7	62.8	117	169	219	267	315	362	408	408	408	408	375	298	244	204	174	151	133					
40	17.0	38.9	72.6	135	195	253	309	364	418	471	471	471	471	458	364	298	249	213	178						
45	19.4	44.2	82.4	154	221	287	351	413	475	535	547	547	547	547	434	355	298	237	92.8						

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS160 2" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS160	160	2.000	1.125	1.250	.250	1.898	1.638	.562

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS160	1	2.705	1.254	1.451	2.795	2.305	Cottered	50,000	60,630	11,900	6.79	60
RS160-2	2	5.011	2.407	2.604	5.205		Cottered	100,000	121,260	20,230	13.47	
RS160-3	3	7.319	3.561	3.758	7.508		Cottered	150,000	181,890	29,750	20.17	
RS160-4	4	9.622	4.715	4.907	9.811		Riveted	200,000	242,520	39,270	26.92	
RS160-5	5	11.929	5.868	6.061	12.114		Riveted	250,000	303,150	46,410	33.53	
RS160-6	6	14.237	7.020	7.217	14.417		Riveted	300,000	363,780	54,740	40.27	

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 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
	Lubrication System A							B					C												
11	6.37	14.5	27.1	50.6	72.9	94.4	115	132	132	132	113	96.6	83.8	73.5	65.2	58.3	52.6	47.7	43.6	40.0	34.2	29.6	26.0	23.0	
12	7.00	16.0	29.8	55.6	80.1	104	127	145	145	145	129	110	95.4	83.8	74.3	66.5	59.9	54.4	49.7	45.6	38.9	33.7	29.6	26.3	
13	7.63	17.4	32.5	60.6	87.3	113	138	158	158	158	145	124	108	94.4	83.8	74.9	67.6	61.3	56.0	51.4	43.9	38.0	33.4	29.6	
14	8.26	18.9	35.2	65.7	94.6	123	150	172	172	172	163	139	120	106	93.6	83.8	75.5	68.6	62.6	57.5	49.1	42.5	37.3	33.1	
15	8.90	20.3	37.9	70.7	102	132	161	185	185	185	180	154	133	117	104	92.9	83.8	76.0	69.4	63.7	54.4	47.2	41.4		
16	9.55	21.8	40.6	75.8	109	142	173	198	198	198	198	170	147	129	114	102	92.3	83.8	76.5	70.2	59.9	51.9	45.6		
17	10.2	23.3	43.4	81.0	117	151	185	217	217	217	217	186	161	141	125	112	101	91.7	83.8	76.9	65.6	56.9	49.9		
18	10.8	24.7	46.2	86.1	124	161	196	231	237	237	237	202	175	154	136	122	110	99.9	91.3	83.8	71.5	62.0	54.4		
19	11.5	26.2	48.9	91.3	132	170	208	245	257	257	257	219	190	167	148	132	119	108	99.0	90.8	77.6	67.2	59.0		
20	12.1	27.7	51.7	96.5	139	180	220	259	278	278	278	237	205	180	160	143	129	117	107	98.1	83.8	72.6	63.7		
21	12.8	29.2	54.5	102	147	190	232	273	295	295	295	255	221	194	172	154	139	126	115	106	90.1	78.1	68.6		
22	13.5	30.7	57.3	107	154	200	244	288	310	310	310	273	237	208	184	165	149	135	123	113	96.6	83.8			
23	14.1	32.2	60.1	112	162	209	256	302	326	326	326	292	253	222	197	176	159	144	132	121	103	89.5			
24	14.8	33.7	63.0	118	169	219	268	316	341	341	341	311	270	237	210	188	170	154	140	129	110	95.4			
25	15.5	35.3	65.8	123	177	229	280	330	357	357	357	331	287	252	223	200	180	164	149	137	117	101			
26	16.1	36.8	68.7	128	185	239	292	344	371	371	371	351	304	267	237	212	191	174	158	145	124	108			
28	17.5	39.9	74.4	139	200	259	317	373	402	402	402	392	340	299	265	237	214	194	177	163	139	120			
30	18.8	42.9	80.1	150	215	279	341	402	436	436	436	436	377	331	294	263	237	215	196	180	154				
32	20.2	46.0	85.9	160	231	299	366	431	480	480	480	480	416	365	323	289	261	237	216	199	170				
35	22.2	50.7	94.6	177	254	330	403	475	545	548	548	548	475	417	370	331	299	271	247	227	180				
40	25.7	58.6	109	204	294	381	465	548	630	650	650	650	581	510	452	405	365	331	302	257					
45	29.2	66.5	124	232	334	432	528	623	715	739	739	739	693	608	539	483	418	349	271	189					

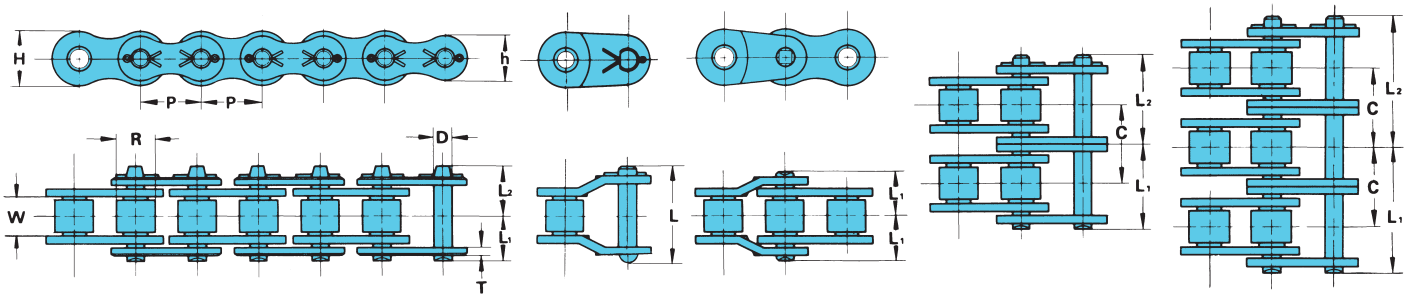
Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS180 2 1/4" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS180	180	2.250	1.406	1.406	.281	2.134	1.843	.687

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS180	1	3.075	1.404	1.671	3.173	2.592	Cottered	63,280	80,480	13,670	9.04	54
RS180-2	2	5.674	2.707	2.967	5.949		Cottered	126,560	160,960	23,230	17.82	
RS180-3	3	8.276	4.004	4.272	8.539		Cottered	189,840	241,440	34,170	25.68	
RS180-4	4	10.870	5.301	5.569	11.134		Riveted	253,120	321,920	45,110	34.20	
RS180-5	5	13.464	6.598	6.866	13.724		Riveted	316,400	402,400	53,310	42.73	
RS180-6	6	16.059	7.896	8.163	16.315		Riveted	379,680	482,880	62,880	51.25	

Note: ❊Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

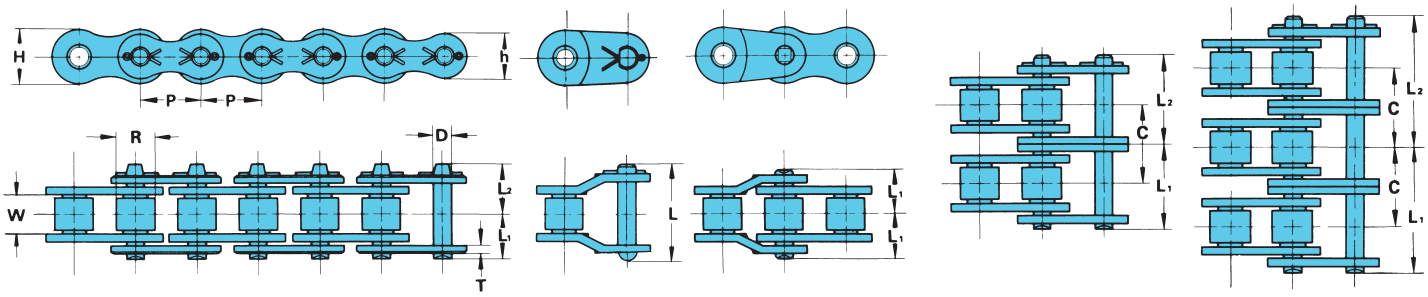
No. of Teeth Small Sprkt.	Maximum Speed – Small Sprocket (rpm) 10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
	Lubrication System A					B						C													
11	8.22	18.8	35.0	65.3	94.1	122	149	152	152	148	124	106	92.0	80.8	71.6	64.1	57.8	52.5	47.9	44.0	40.5	37.5	34.9	32.5	
12	9.03	20.6	38.4	71.7	103	134	164	169	169	169	142	121	105	92.0	81.6	73.0	65.9	59.8	54.6	50.1	46.2	42.8	39.8	37.1	
13	9.85	22.5	41.9	78.2	113	146	178	190	190	191	160	136	118	104	92.0	82.4	74.3	67.4	61.5	56.5	52.1	48.2	44.8		
14	10.7	24.3	45.4	84.7	122	158	193	213	213	213	179	152	132	116	103	92.0	83.0	75.3	68.8	63.1	58.2	53.9	50.1		
15	11.5	26.2	48.9	91.3	131	170	208	236	236	236	198	169	147	129	114	102	92.0	83.5	76.3	70.0	64.6	59.8	55.6		
16	12.3	28.1	52.4	97.9	141	183	223	256	256	256	218	186	161	142	126	112	101	92.0	84.0	77.1	71.1	65.9	61.2		
17	13.2	30.0	56.0	104	151	195	238	270	270	270	239	204	177	155	138	123	111	101	92.0	84.5	77.9	72.1			
18	14.0	31.9	59.6	111	160	207	254	290	290	290	260	222	193	169	150	134	121	110	100	92.0	84.9	78.6			
19	14.8	33.8	63.1	118	170	220	269	307	307	307	282	241	209	183	163	146	131	119	109	99.8	92.0	85.2			
20	15.7	35.8	66.7	125	179	232	284	326	326	326	305	260	226	198	176	157	142	129	117	108	99.4	92.0			
21	16.5	37.7	70.4	131	189	245	299	343	343	343	328	280	243	213	189	169	152	138	126	116	107	99.0			
22	17.4	39.6	74.0	138	199	258	315	361	361	361	352	300	260	228	203	181	163	148	135	124	115				
23	18.2	41.6	77.6	145	209	270	330	378	378	378	376	321	278	244	217	194	175	159	145	133	123				
24	19.1	43.5	81.3	152	218	283	346	401	401	401	401	342	297	260	231	207	186	169	154	142	131				
25	20.0	45.5	84.9	158	228	296	362	426	426	426	426	364	315	277	245	220	198	180	164	151	139				
26	20.8	47.5	88.6	165	238	309	377	444	452	452	452	386	334	294	260	233	210	191	174	160					
28	22.5	51.4	96.0	179	258	334	409	481	506	506	506	431	374	328	291	260	235	213	195	179					
30	24.3	55.4	103	193	278	360	440	519	561	561	561	478	415	364	323	289	260	236	216	198					
32	26.0	59.4	111	207	298	386	472	556	601	601	601	527	457	401	355	318	287	260	238						
35	28.7	65.5	122	228	328	425	520	613	662	662	662	603	522	458	407	364	328	291	220						
40	33.1	75.6	141	263	379	491	601	676	676	676	676	621	575	524	465	398	325	244							
45	37.6	85.9	160	299	431	558	682	739	739	739	680	632	578	514	441	361	271								

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

RS200 2 1/2" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS200	200	2.500	1.562	1.500	.312	2.374	2.047	.781

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS200	1	3.299	1.535	1.764	3.437	2.817	Cottered	78,125	103,630	16,090	11.08	48
RS200-2	2	6.122	2.947	3.175	6.346		Cottered	156,250	207,260	27,350	21.93	
RS200-3	3	8.945	4.360	4.585	9.173		Riveted	234,375	310,890	40,220	32.94	
RS200-4	4	11.768	5.772	5.996	11.996		Riveted	312,500	414,520	53,090	43.79	
RS200-5	5	14.590	7.181	7.409	14.815		Riveted	390,625	518,150	62,750	54.64	
RS200-6	6	17.414	8.593	8.821	17.638		Riveted	468,750	621,780	74,010	65.58	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650	700
	Lubrication System A				B									C						
11	10.8	15.5	20.1	28.9	37.5	45.8	62.0	85.4	123	159	181	181	181	161	135	116	100	87.9	77.9	
12	11.8	17.0	22.0	31.8	41.1	50.3	68.1	93.9	135	175	198	198	198	184	154	132	114	100		
13	12.9	18.6	24.0	34.6	44.9	54.8	74.2	102	147	191	216	216	216	207	174	148	129	113		
14	14.0	20.1	26.0	37.5	48.6	59.4	80.4	111	160	207	235	235	235	232	194	166	144	126		
15	15.0	21.7	28.1	40.4	52.4	64.0	86.6	119	172	223	257	257	257	257	215	184	159	140		
16	16.1	23.2	30.1	43.3	56.1	68.6	92.9	128	184	239	283	283	283	283	237	203	176	154		
17	17.2	24.8	32.1	46.3	59.9	73.3	99.2	137	197	255	310	310	310	310	260	222	192	169		
18	18.3	26.4	34.2	49.2	63.8	77.9	105	145	209	271	332	338	338	338	283	242	210	184		
19	19.4	28.0	36.2	52.2	67.6	82.6	112	154	222	288	352	366	366	366	307	262	227	199		
20	20.5	29.6	38.3	55.1	71.4	87.3	118	163	235	304	372	389	389	389	332	283	245			
21	21.6	31.1	40.4	58.1	75.3	92.1	125	172	247	321	392	409	409	409	357	305	264			
22	22.7	32.8	42.4	61.1	79.2	96.8	131	181	260	337	412	430	430	430	383	327	283			
23	23.9	34.4	44.5	64.1	83.1	102	137	190	273	354	432	452	452	452	409	349	303			
24	25.0	36.0	46.6	67.1	87.0	106	144	198	286	370	453	473	473	473	436	372	323			
25	26.1	37.6	48.7	70.2	90.9	111	150	207	299	387	473	495	495	495	464	396	343			
26	27.2	39.2	50.8	73.2	94.8	116	157	216	312	404	493	516	516	516	492	420	364			

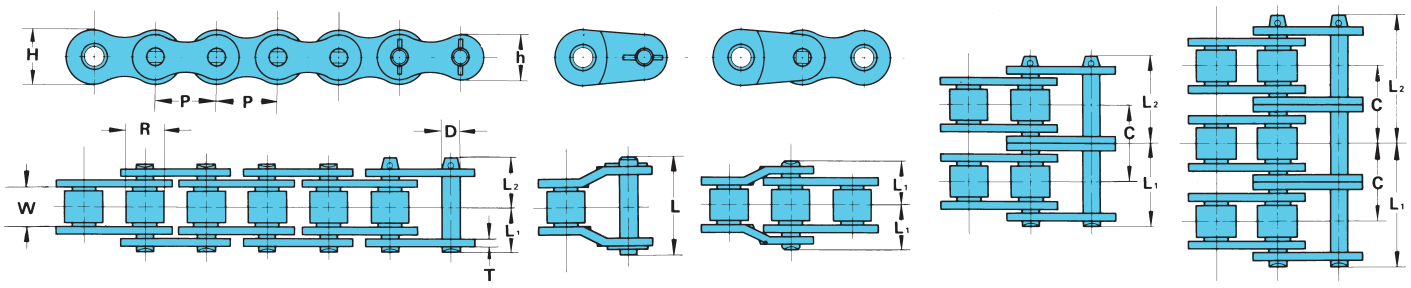
Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."

U.S. TSUBAKI RS ROLLER CHAIN

RS240 3" Pitch



U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Diameter R	Width Between Roller Link Plates W	Link Plate T	Link Plate H	Link Plate h	Pin Diameter D
RS240	240	3.000	1.875	1.875	.375	2.850	2.457	.937

U.S. TSUBAKI Chain No.	Number of Strands	Pin L_1+L_2	Pin L_1	Pin L_2	Pin L	Transverse Pitch C	Standard Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	❊ Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
RS240	1	4.071	1.886	2.185	4.201	3.458	Riveted	112,500	152,140	22,270	16.46	40
RS240-2	2	7.531	3.618	3.913	7.811		Riveted	225,000	304,280	37,850	32.32	
RS240-3	3	10.984	5.348	5.636	11.272		Riveted	337,500	456,420	55,670	48.11	
RS240-4	4	14.453	7.079	7.374	14.732		Riveted	450,000	608,560	73,490	63.90	
RS240-5	5	17.913	8.809	9.104	18.189		Riveted	562,500	760,700	86,850	79.70	
RS240-6	6	21.370	10.539	10.831	21.657		Riveted	675,000	912,840	102,440	95.49	

Note: ❊ Refer to page A-23, "Selection for Slow Speed."

Maximum Horsepower Ratings

No. of Teeth Small Spkt.	Maximum Speed – Small Sprocket (rpm) 5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350	400	450	500
	Lubrication System		A								B								C		
11	9.56	17.8	25.7	33.3	40.7	48.0	62.1	76.0	89.5	116	142	173	204	235	265	271	271	228	188	156	
12	10.5	19.6	28.2	36.6	44.7	52.7	68.3	83.5	98.3	127	156	190	224	258	291	298	298	260	213		
13	11.5	21.4	30.8	39.9	48.8	57.5	74.4	91.0	107	139	170	208	245	281	317	325	325	294	240		
14	12.4	23.2	33.4	43.2	52.8	62.2	80.6	98.6	116	150	184	225	265	304	343	353	353	329	268		
15	13.4	24.9	35.9	46.6	56.9	67.1	86.9	106	125	162	198	242	285	328	370	380	380	363	298		
16	14.3	26.7	38.5	49.9	61.0	71.9	93.1	114	134	174	212	260	306	352	397	401	401	361	329		
17	15.3	28.6	41.1	53.3	65.1	76.8	99.5	122	143	186	227	277	327	375	402	402	402	377	359		
18	16.3	30.4	43.8	56.7	69.3	81.7	106	129	152	197	241	295	348	399	406	406	406	390	377		
19	17.3	32.2	46.4	60.1	73.5	86.6	112	137	162	209	256	313	368	423	425	425	425	408	393		
20	18.2	34.0	49.0	63.5	77.6	91.5	119	145	171	221	270	331	389	443	443	443	443	424	408		
21	19.2	35.9	51.7	67.0	81.8	96.4	125	153	180	233	285	348	411	463	463	463	463	440	421		
22	20.2	37.7	54.3	70.4	86.1	101	131	161	189	245	300	366	432	464	464	464	459	455	422		
23	21.2	39.6	57.0	73.9	90.3	106	138	169	199	257	314	384	453	496	496	496	481	469	448		
24	22.2	41.4	59.7	77.3	94.5	111	144	176	208	269	329	402	474	531	531	531	504	483			
25	23.2	43.3	62.4	80.8	98.8	116	151	184	217	281	344	421	496	550	550	550	520	496			
26	24.2	45.2	65.1	84.3	103	121	157	192	227	294	359	439	517	561	561	561	532	510			

Note: 1. Multiply the value given above by the multiple strand factor (page A-22, Table II) in order to obtain the transmission horsepower of multiple strand chain.

2. For lubrication systems A, B & C, refer to page A-77 for explanation. Please consult U.S. Tsubaki for use of horsepower ratings to the right of the boundary line.

3. Refer to page A-22, "Procedures for Selecting Roller Chain."