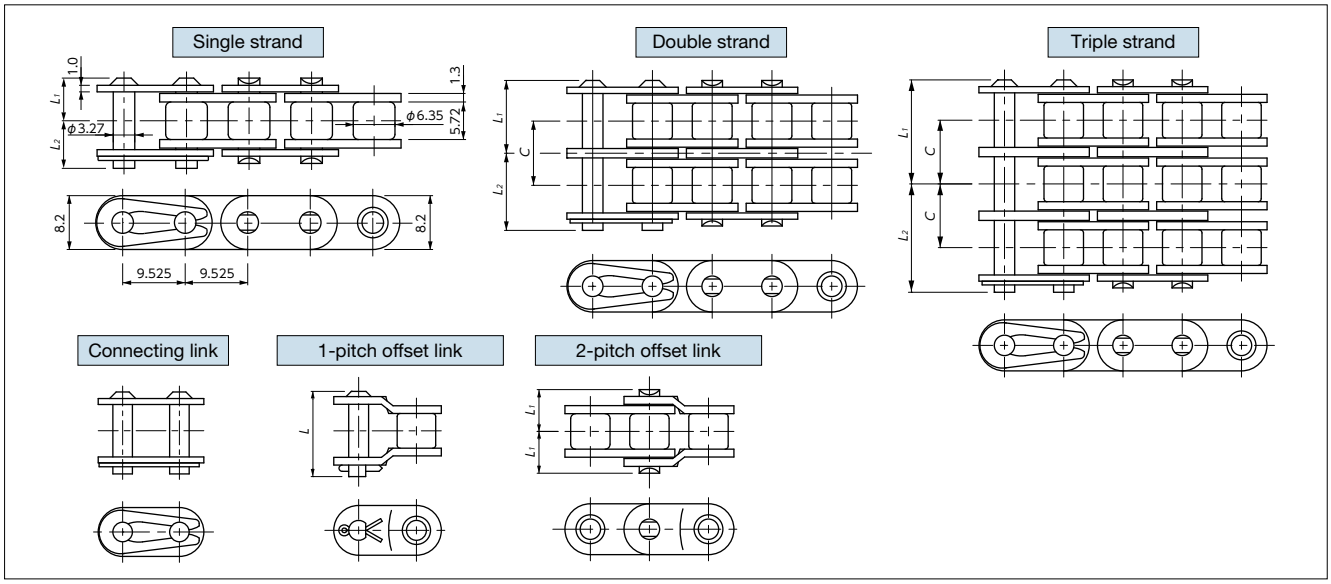
RS Roller Chain RF06B

BS/DIN Standards
(JIS identification no. 06B)



■ Specifications

Size	Number of strands	Dimensions L_1	Dimensions L_2	Offset pin length L	Transverse pitch C	Min. tensile strength kN{kgf}	ISO "B" tensile strength kN{kgf}	Max. allowable load kN{kgf}
RF06B	**1**	6.1	7.7	14.5	10.24	9.00 {920}	8.90 {910}	1.95 {199}
	2	11.2	12.8	25.9		17.0 {1730}	16.9 {1720}	3.32 {339}
	3	16.4	17.9	36.1		24.9 {2540}	24.9 {2540}	4.88 {498}

Note: 1. Plates are flat.
Multi-strand chains have one middle plate. (The thickness of the middle plate differs from the outer plate and the inner plate due to the C dimension.)
2. Maximum allowable load when using connecting links is 80% of the above.
Maximum allowable load when using one-pitch and two-pitch offset links is 60% of the above.
3. Number of links per unit = 320. Items in bold are stocked in units.

■ RF06B Maximum kilowatt ratings table (kW ratings for single strand chain)

Lubrication / Small sprocket no. of teeth	Small sprocket max 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	10000
	AI				AII			B												C					
9	0.07	0.13	0.34	0.54	0.72	0.91	1.18	1.44	1.70	1.62	1.25	0.95	0.75	0.62	0.52	0.44	0.38	0.34	0.30	0.27	0.24	0.22	0.20	0.18	0.16
10	0.08	0.14	0.38	0.60	0.81	1.02	1.32	1.61	1.90	1.90	1.46	1.11	0.88	0.72	0.61	0.52	0.45	0.39	0.35	0.31	0.28	0.26	0.23	0.21	0.18
11	0.08	0.16	0.42	0.66	0.90	1.13	1.46	1.79	2.11	2.19	1.69	1.28	1.02	0.83	0.70	0.60	0.52	0.45	0.40	0.36	0.33	0.30	0.27	0.25	0.21
12	0.09	0.17	0.46	0.73	0.99	1.24	1.61	1.96	2.31	2.50	1.92	1.46	1.16	0.95	0.80	0.68	0.59	0.52	0.46	0.41	0.37	0.34	0.31	0.28	0.24
13	0.10	0.19	0.50	0.80	1.08	1.35	1.75	2.14	2.52	2.82	2.17	1.65	1.31	1.07	0.90	0.77	0.67	0.58	0.52	0.46	0.42	0.38	0.35	0.32	0.27
14	0.11	0.20	0.54	0.86	1.17	1.46	1.90	2.32	2.73	3.14	2.43	1.84	1.46	1.20	1.00	0.86	0.74	0.65	0.58	0.52	0.47	0.42	0.39	0.36	0.30
15	0.12	0.22	0.59	0.93	1.26	1.58	2.04	2.50	2.94	3.38	2.69	2.05	1.62	1.33	1.11	0.95	0.82	0.72	0.64	0.57	0.52	0.47	0.43	0.39	0.34
16	0.13	0.23	0.63	1.00	1.35	1.69	2.19	2.68	3.16	3.63	2.96	2.25	1.79	1.46	1.23	1.05	0.91	0.80	0.71	0.63	0.57	0.52	0.47	0.43	0.37
17	0.13	0.25	0.67	1.06	1.44	1.81	2.34	2.86	3.37	3.87	3.25	2.47	1.96	1.60	1.34	1.15	0.99	0.87	0.77	0.69	0.62	0.57	0.52	0.48	0.41
18	0.14	0.27	0.71	1.13	1.53	1.92	2.49	3.04	3.58	4.12	3.54	2.69	2.13	1.75	1.46	1.25	1.08	0.95	0.84	0.75	0.68	0.62	0.56	0.52	0.44
19	0.15	0.28	0.76	1.20	1.62	2.04	2.64	3.22	3.80	4.36	3.83	2.92	2.31	1.89	1.59	1.36	1.18	1.03	0.91	0.82	0.74	0.67	0.61	0.56	0.48
20	0.16	0.30	0.80	1.27	1.72	2.15	2.79	3.41	4.02	4.61	4.14	3.15	2.50	2.05	1.71	1.46	1.27	1.11	0.99	0.88	0.80	0.72	0.66	0.61	0.52
21	0.17	0.31	0.84	1.34	1.81	2.27	2.94	3.59	4.23	4.86	4.46	3.39	2.69	2.20	1.84	1.58	1.37	1.20	1.06	0.95	0.86	0.78	0.71	0.65	0.56
22	0.18	0.33	0.89	1.41	1.90	2.39	3.09	3.78	4.45	5.11	4.78	3.63	2.88	2.36	1.98	1.69	1.46	1.28	1.14	1.02	0.92	0.83	0.76	0.70	0.60
23	0.19	0.35	0.93	1.47	2.00	2.50	3.24	3.96	4.67	5.36	5.11	3.88	3.08	2.52	2.11	1.81	1.56	1.37	1.22	1.09	0.98	0.89	0.81	0.75	0.64
24	0.19	0.36	0.97	1.54	2.09	2.62	3.39	4.15	4.89	5.62	5.44	4.14	3.29	2.69	2.25	1.92	1.67	1.46	1.30	1.16	1.05	0.95	0.87	0.80	0.68
25	0.20	0.38	1.02	1.61	2.18	2.74	3.55	4.34	5.11	5.87	5.79	4.40	3.49	2.86	2.40	2.05	1.77	1.56	1.38	1.24	1.11	1.01	0.92	0.85	0.72
26	0.21	0.40	1.06	1.68	2.28	2.86	3.70	4.52	5.33	6.12	6.14	4.67	3.71	3.03	2.54	2.17	1.88	1.65	1.46	1.31	1.18	1.07	0.98	0.90	0.77
28	0.23	0.43	1.15	1.82	2.47	3.09	4.01	4.90	5.78	6.63	6.86	5.22	4.14	3.39	2.84	2.43	2.10	1.84	1.64	1.46	1.32	1.20	1.09	1.00	0.86
30	0.25	0.46	1.24	1.96	2.66	3.33	4.32	5.28	6.22	7.15	7.61	5.79	4.59	3.76	3.15	2.69	2.33	2.05	1.81	1.62	1.46	1.33	1.21	1.11	0.95
32	0.27	0.49	1.33	2.11	2.85	3.58	4.63	5.66	6.67	7.66	8.38	6.38	5.06	4.14	3.47	2.96	2.57	2.25	2.00	1.79	1.61	1.46	1.34	1.23	1.05
35	0.29	0.55	1.47	2.32	3.14	3.94	5.10	6.24	7.35	8.44	9.59	7.29	5.79	4.74	3.97	3.39	2.94	2.58	2.29	2.05	1.84	1.67	1.53	1.40	
40	0.34	0.63	1.69	2.68	3.63	4.55	5.89	7.20	8.49	9.75	11.4	8.91	7.07	5.79	4.85	4.14	3.59	3.15	2.79	2.50	2.25	2.05			
45	0.38	0.72	1.92	3.04	4.12	5.17	6.69	8.18	9.64	11.1	13.0	10.6	8.44	6.91	5.79	4.94	4.28	3.76	3.33	2.98					

Note: 1. kW ratings when using offset links are 80% of the above.
2. Please contact a Tsubaki representative prior to use of kW ratings in the shaded area of the table.

■ Multi-strand factors

Number of chain strands	Two strands	Three strands
Multi-strand factor	1.7	2.5

■ Lubrication systems and methods

Lubrication system	AI	AII	B	C	Details on
Method	Manual lubrication	Drip lubrication	Oil bath or slinger disc lubrication	Forced pump lubrication	pg. 218

Model numbering example **RF06B -1 -RP + 310L -MCJR**

- RF06B: Size
- -1: Number of strands
- -RP: Pin type
- 310L: Number of links
- -MCJR: End link

Note: Standard roller chains do not require series selection.