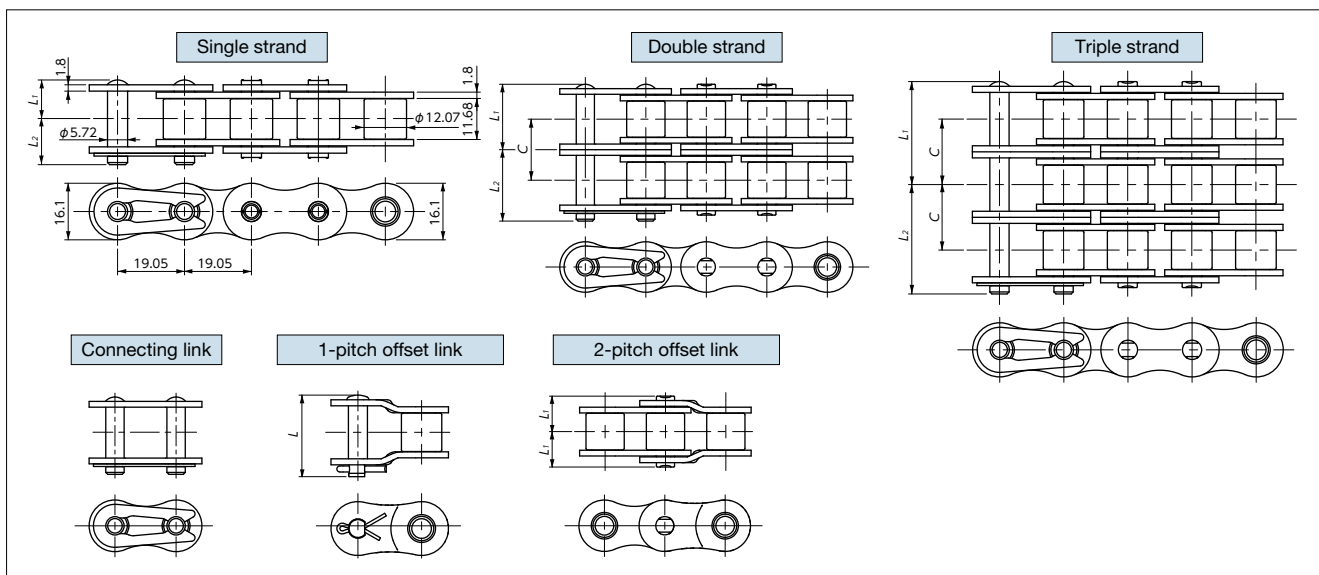




Specifications

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]	Approx. mass kg/m
RS12B	1	11.1	13.0	24.4	19.46	31.0 {3160}	28.9 {2950}	5.28 {538}	1.25
	2	20.85	22.75	45.9		61.0 {6220}	57.8 {5890}	8.98 {916}	2.50
	3	30.6	32.5	65.4		92.0 {9400}	86.7 {8840}	13.2 {1350}	3.80

Note: 1. Specially shaped pins and a center-sink rivet on chains allow for easy chain cutting without grinding the rivet.

2. Maximum allowable load when using one-pitch and two-pitch offset links is 60% of the above.

3. Number of links per unit = 160. Items in bold are stocked in units.

RS12B Maximum kilowatt ratings table (kW ratings for single strand chain)

Small sprocket max rpm	Small sprocket max 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
	AI					AII			B											C					
Lubrication No. of teeth	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	30	32	35	40	45	
9	0.11	0.24	0.46	0.85	1.23	1.59	2.29	2.96	3.62	4.27	4.90	5.53	6.15	6.76	7.37	6.54	5.19	4.25	3.56	3.04	2.18	1.66	1.31	1.08	0.90
10	0.12	0.27	0.51	0.95	1.37	1.78	2.56	3.32	4.06	4.78	5.50	6.20	6.89	7.58	8.25	7.66	6.08	4.98	4.17	3.56	2.55	1.94	1.54	1.26	1.06
11	0.13	0.30	0.57	1.06	1.52	1.97	2.84	3.68	4.50	5.30	6.09	6.87	7.64	8.40	9.15	8.84	7.02	5.74	4.81	4.11	2.94	2.24	1.78	1.45	1.22
12	0.15	0.33	0.62	1.16	1.67	2.17	3.12	4.04	4.94	5.82	6.69	7.55	8.39	9.22	10.1	10.1	8.00	6.54	5.48	4.68	3.35	2.55	2.02	1.66	1.39
13	0.16	0.36	0.68	1.27	1.82	2.36	3.40	4.41	5.39	6.35	7.30	8.23	9.15	10.1	11.0	11.4	9.02	7.38	6.18	5.28	3.78	2.87	2.28	1.87	
14	0.17	0.39	0.74	1.37	1.98	2.56	3.69	4.78	5.84	6.88	7.90	8.91	9.91	10.9	11.9	12.7	10.1	8.25	6.91	5.90	4.22	3.21	2.55	2.09	
15	0.19	0.42	0.79	1.48	2.13	2.76	3.97	5.15	6.29	7.41	8.52	9.60	10.7	11.7	12.8	13.8	11.2	9.15	7.66	6.54	4.68	3.56	2.83	2.31	
16	0.20	0.46	0.85	1.58	2.28	2.96	4.26	5.52	6.74	7.95	9.13	10.3	11.4	12.6	13.7	14.8	12.3	10.1	8.44	7.21	5.16	3.92	3.11	2.55	
17	0.21	0.49	0.91	1.69	2.44	3.16	4.55	5.89	7.20	8.49	9.75	11.0	12.2	13.4	14.6	15.8	13.5	11.0	9.25	7.90	5.65	4.30	3.41	2.79	
18	0.23	0.52	0.96	1.80	2.59	3.36	4.84	6.27	7.66	9.03	10.4	11.7	13.0	14.3	15.6	16.8	14.7	12.0	10.1	8.60	6.16	4.68	3.72	3.04	
19	0.24	0.55	1.02	1.91	2.75	3.56	5.13	6.64	8.12	9.57	11.0	12.4	13.8	15.2	16.5	17.9	15.9	13.0	10.9	9.33	6.68	5.08	4.03	3.30	
20	0.25	0.58	1.08	2.02	2.90	3.76	5.42	7.02	8.58	10.1	11.6	13.1	14.6	16.0	17.5	18.9	17.2	14.1	11.8	10.1	7.21	5.48	4.35		
21	0.27	0.61	1.14	2.13	3.06	3.97	5.71	7.40	9.05	10.7	12.2	13.8	15.4	16.9	18.4	19.9	18.5	15.2	12.7	10.8	7.76	5.90	4.68		
22	0.28	0.64	1.20	2.23	3.22	4.17	6.01	7.78	9.51	11.2	12.9	14.5	16.1	17.8	19.3	20.9	19.8	16.2	13.6	11.6	8.32	6.33	5.02		
23	0.30	0.67	1.26	2.34	3.38	4.38	6.30	8.17	10.0	11.8	13.5	15.2	16.9	18.6	20.3	21.9	21.2	17.4	14.6	12.4	8.89	6.76	5.37		
24	0.31	0.71	1.32	2.46	3.54	4.58	6.60	8.55	10.5	12.3	14.1	16.0	17.7	19.5	21.2	23.0	22.6	18.5	15.5	13.2	9.48	7.21	5.72		
25	0.32	0.74	1.37	2.57	3.70	4.79	6.90	8.93	10.9	12.9	14.8	16.7	18.5	20.4	22.2	24.0	24.0	19.7	16.5	14.1	10.1	7.66	6.08		
26	0.34	0.77	1.43	2.68	3.86	5.00	7.19	9.32	11.4	13.4	15.4	17.4	19.3	21.3	23.2	25.1	25.0	20.9	17.5	14.9	10.7	8.13	6.45		
28	0.37	0.83	1.55	2.90	4.18	5.41	7.79	10.1	12.3	14.5	16.7	18.8	21.0	23.0	25.1	27.1	28.5	23.3	19.5	16.7	11.9	9.09			
30	0.39	0.90	1.67	3.12	4.50	5.83	8.40	10.9	13.3	15.7	18.0	20.3	22.6	24.8	27.0	29.2	31.6	25.9	21.7	18.5	13.2	10.1			
32	0.42	0.96	1.80	3.35	4.82	6.25	9.00	11.7	14.3	16.8	19.3	21.8	24.2	26.6	29.0	31.4	34.8	28.5	23.9	20.4	14.6	11.1			
35	0.46	1.06	1.98	3.69	5.32	6.89	9.92	12.8	15.7	18.5	21.3	24.0	26.7	29.3	31.9	34.5	39.7	32.6	27.3	23.3	16.7	12.7			
40	0.54	1.22	2.28	4.26	6.14	7.95	11.5	14.8	18.1	21.4	24.6	27.7	30.8	33.9	36.9	39.9	45.8	39.8	33.4	28.5	20.4				
45	0.61	1.39	2.59	4.84	6.97	9.03	13.0	16.9	20.6	24.3	27.9	31.5	35.0	38.5	41.9	45.3	52.1	47.5	39.8	34.0	24.3				

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 pg. 218
Method	Manual lubrication	Drip lubrication	Oil bath or slinger disc lubrication	Forced pump lubrication	

Model numbering example

RS12B -1 -RP + 150L -MCJR

Size

Number of strands

Pin type

Number of links

End link

Note: Standard roller chains do not require series selection.