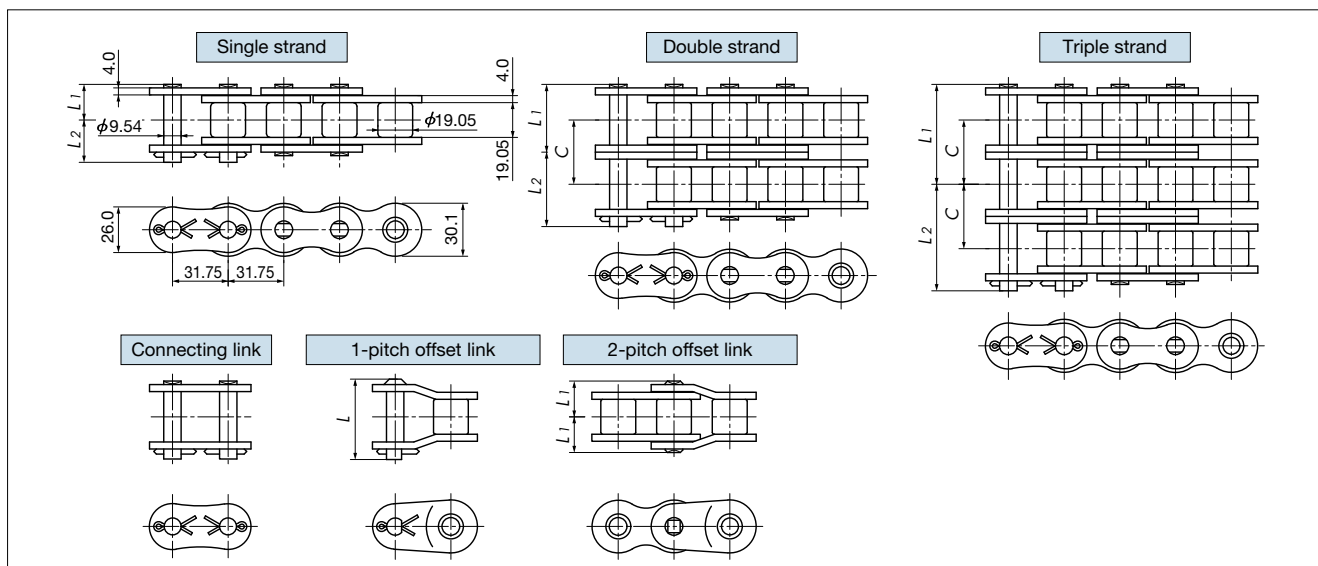




Specifications

Size	Number of strands	Dimensions L_1	Dimensions L_2	Offset pin length L	Transverse pitch C	ASME standard min. tensile strength kN[kgf]	Min. tensile strength kN[kgf]	Max. allowable load kN[kgf]	Approx. mass kg/m
RS100	1	19.75	22.85	43.7	35.8	87.0 {8872}	107{10900}	22.6{2300}	3.99
	2	37.7	40.8	81.5		174.0{17744}	214{21800}	38.3{3910}	7.85
	3	55.65	58.75	117.3		261.0{26615}	321{32700}	56.4{5750}	11.77
	4	73.55	76.65	153.1		—	428{43600}	74.4{7590}	15.70
	5	91.5	94.6	188.9		—	534{54500}	88.0{8970}	19.53
	6	109.45	112.55	224.7		—	641{65400}	104 {10580}	23.48

Note: 1. Maximum allowable load when using a one-pitch offset link is 65% of the above.
2. Number of links per unit = 96. Items in bold are stocked in units.

RS100 Maximum kilowatt ratings table (kW ratings for single strand chain)

Lubrication Small sprocket no. of teeth	Small sprocket max 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		
	AI			AII			B								C											
9	1.02	2.33	4.34	8.10	11.7	15.1	21.8	26.4	26.4	26.4	22.1	18.1	15.2	12.9	11.2	9.85	8.73	7.82	6.40	5.36	4.58	3.97	3.48	3.09		
10	1.14	2.61	4.86	9.07	13.1	16.9	24.4	29.6	29.6	29.6	25.9	21.2	17.8	15.2	13.1	11.5	10.2	9.15	7.49	6.28	5.36	4.65	4.08	3.62		
11	1.27	2.89	5.39	10.1	14.5	18.8	27.0	32.8	32.8	32.8	29.9	24.4	20.5	17.5	15.2	13.3	11.8	10.6	8.64	7.24	6.18	5.36	4.70	0.96		
12	1.39	3.17	5.92	11.0	15.9	20.6	29.7	36.1	36.1	36.1	34.0	27.9	23.3	19.9	17.3	15.2	13.4	12.0	9.85	8.25	7.05	6.11	5.36			
13	1.52	3.46	6.45	12.0	17.3	22.5	32.4	39.3	39.3	39.3	38.4	31.4	26.3	22.5	19.5	17.1	15.2	13.6	11.1	9.31	7.95	6.89	6.04			
14	1.64	3.75	6.99	13.0	18.8	24.3	35.1	42.9	42.9	42.9	42.9	35.1	29.4	25.1	21.8	19.1	16.9	15.2	12.4	10.4	8.88	7.70	6.76			
15	1.77	4.04	7.53	14.1	20.2	26.2	37.8	47.6	47.6	47.6	47.6	38.9	32.6	27.9	24.1	21.2	18.8	16.8	13.8	11.5	9.85	8.54	7.49			
16	1.90	4.33	8.08	15.1	21.7	28.1	40.5	52.4	52.4	52.4	52.4	42.9	35.9	30.7	26.6	23.3	20.7	18.5	15.2	12.7	10.8	9.40	8.25			
17	2.03	4.62	8.62	16.1	23.2	30.0	43.3	56.0	57.4	57.4	57.4	47.0	39.4	33.6	29.1	25.6	22.7	20.3	16.6	13.9	11.9	10.3				
18	2.15	4.92	9.17	17.1	24.7	31.9	46.0	59.6	62.5	62.5	62.5	51.2	42.9	36.6	31.7	27.9	24.7	22.1	18.1	15.2	12.9	11.2				
19	2.27	5.21	9.72	18.1	26.1	33.9	48.8	63.2	67.8	67.8	67.8	55.5	46.5	39.7	34.4	30.2	26.8	24.0	19.6	16.4	14.0	12.2				
20	2.39	5.51	10.3	19.2	27.6	35.8	51.5	66.8	71.9	71.9	71.9	59.9	50.2	42.9	37.2	32.6	28.9	25.9	21.2	17.8	15.2	13.1				
21	2.51	5.81	10.8	20.2	29.1	37.7	54.3	70.4	75.8	75.8	75.8	64.5	54.0	46.1	40.0	35.1	31.1	27.9	22.8	19.1	16.3	14.1				
22	2.63	6.10	11.4	21.3	30.6	39.7	57.1	74.0	79.7	79.7	79.7	69.1	57.9	49.5	42.9	37.6	33.4	29.9	24.4	20.5	17.5	15.2				
23	2.75	6.40	12.0	22.3	32.1	41.6	59.9	77.7	83.7	83.7	83.7	73.9	61.9	52.9	45.8	40.2	35.7	31.9	26.1	21.9	18.7	5.77				
24	2.89	6.71	12.5	23.4	33.6	43.6	62.8	81.3	87.6	87.6	87.6	78.8	66.0	56.4	48.9	42.9	38.0	34.0	27.9	23.3	19.9					
25	2.99	7.01	13.1	24.4	35.2	45.5	65.6	85.0	91.5	91.5	91.5	83.8	70.2	59.9	51.9	45.6	40.4	36.2	29.6	24.8	21.2					
26	3.11	7.31	13.6	25.5	36.7	47.5	68.4	88.7	95.5	95.5	95.5	88.8	74.4	63.6	55.1	48.4	42.9	38.4	31.4	26.3	22.5					
28	3.35	7.92	14.8	27.6	39.7	51.5	74.1	96.0	103	103	103	99.3	83.2	71.0	61.6	54.0	47.9	42.9	35.1	29.4	25.1					
30	3.59	8.53	15.9	29.7	42.8	55.5	79.9	103	111	111	111	110	92.3	78.8	68.3	59.9	53.2	47.6	38.9	32.6	7.50					
32	3.83	9.15	17.1	31.9	45.9	59.5	85.6	111	121	121	121	121	102	86.8	75.2	66.0	58.6	52.4	42.9	33.7						
35	4.19	10.1	18.8	35.1	50.6	65.5	94.3	122	139	139	139	139	116	99.3	86.1	75.5	67.0	59.9	49.1	41.1						
40	4.78	11.6	21.7	40.5	58.4	75.7	109	141	170	170	170	170	142	121	105	92.3	81.8	73.2	59.9							
45	5.38	13.2	24.7	46.0	66.3	85.9	124	160	196	196	196	196	170	145	125	110	97.6	87.4	33.8							

Note: 1. kW ratings when using one-pitch offset links are 65% 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	Four strands	Five strands	Six strands
Multi-strand factor	1.7	2.5	3.3	3.9	4.6

Lubrication systems and methods

Lubrication system	AI	AII	B	C
Method	Manual lubrication	Drip lubrication	Oil bath or slinger disc lubrication	Forced pump lubrication

Details on pg. 218

Model numbering example

RS100 -1 -RP + 86L -MWJR

Size Number of strands Pin type Number of links End link

Note: Standard roller chains do not require series selection.