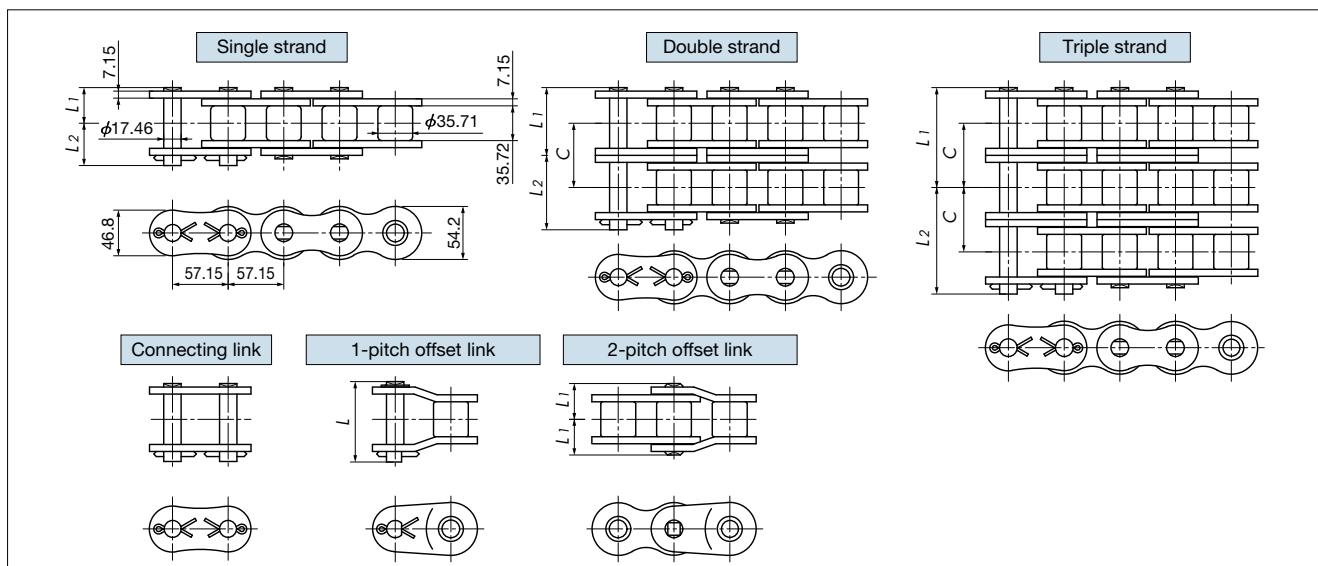




Specifications

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
RS180	1	35.65	42.45	80.6	65.8	281.0{28655}	336 {34300}	60.8{6200}	13.45
	2	68.75	75.35	151.1		562.0{57309}	673 {68600}	103 {10540}	26.52
	3	101.7	108.5	216.9		843.0{85963}	1010{102900}	152 {15500}	38.22
	4	134.65	141.45	282.8		—	1350{137200}	201 {20460}	50.90
	5	167.6	174.4	348.6		—	1680{171500}	237 {24180}	63.59
	6	200.55	207.35	414.4		—	2020{205800}	280 {28520}	76.27

Note: 1. Maximum allowable load when using a one-pitch offset link is 65% of the above.
2. Number of links per unit = 54. Items in bold are stocked in units.

RS180 Maximum kilowatt ratings table (kW ratings for single strand chain)

Lubrication No. of teeth	Small sprocket max 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
	AI	AI	B								C													
9	4.94	11.3	21.0	39.2	56.5	73.2	89.4	90.8	90.8	81.9	68.6	58.6	50.8	44.6	39.5	35.4	31.9	29.0	26.4	24.3	22.4	20.7	19.3	18.0
10	5.53	12.6	23.5	43.9	63.3	82.0	100	102	102	95.9	80.4	68.6	59.5	52.2	46.3	41.4	37.4	33.9	31.0	28.4	26.2	24.3	22.6	21.0
11	6.13	14.0	26.1	48.7	70.1	90.9	111	113	113	111	92.7	79.2	68.6	60.2	53.4	47.8	43.1	39.1	35.7	32.8	30.2	28.0	26.0	24.3
12	6.73	15.4	28.7	53.5	77.0	99.8	122	126	126	126	106	90.2	78.2	68.6	60.9	54.5	49.1	44.6	40.7	37.4	34.4	31.9	29.6	27.6
13	7.34	16.7	31.3	58.3	84.0	109	133	142	142	142	119	102	88.2	77.4	68.6	61.4	55.4	50.3	45.9	42.1	38.8	36.0	33.4	
14	7.95	18.1	33.9	63.2	91.0	118	144	159	159	159	133	114	98.5	86.5	76.7	68.6	61.9	56.2	51.3	47.1	43.4	40.2	37.4	
15	8.57	19.5	36.5	68.1	98.0	127	155	176	176	176	148	126	109	95.9	85.1	76.1	68.6	62.3	56.9	52.2	48.1	44.6	41.4	
16	9.19	21.0	39.1	73.0	105	136	166	191	191	191	163	139	120	106	93.7	83.9	75.6	68.6	62.7	57.5	53.0	49.1	45.6	
17	9.81	22.4	41.8	77.9	112	145	178	201	201	201	178	152	132	116	103	91.8	82.8	75.2	68.6	63.0	58.1	53.8		
18	10.4	23.8	44.4	82.9	119	155	189	216	216	216	194	166	144	126	112	100	90.2	81.9	74.8	68.6	63.3	58.6		
19	11.0	25.2	47.1	87.9	127	164	200	229	229	229	211	180	156	137	121	109	97.8	88.8	81.1	74.4	68.6	63.5		
20	11.6	26.7	49.8	92.9	134	173	212	243	243	243	227	194	168	148	131	117	106	95.9	87.6	80.4	74.1	68.6		
21	12.2	28.1	52.5	97.9	141	183	223	256	256	256	245	209	181	159	141	126	114	103	94.2	86.5	79.7	73.8		
22	12.7	29.6	55.2	103	148	192	235	269	269	269	262	224	194	170	151	135	122	111	101	92.7	85.5			
23	13.3	31.0	57.9	108	156	202	246	282	282	282	280	239	208	182	162	145	130	118	108	99.1	91.4			
24	13.9	32.5	60.6	113	163	211	258	299	299	299	299	255	221	194	172	154	139	126	115	106	97.4			
25	14.5	33.9	63.3	118	170	221	270	318	318	318	318	271	235	206	183	164	148	134	122	112	104			
26	15.1	35.4	66.1	123	178	230	281	331	337	337	337	288	249	219	194	174	157	142	130	119				
28	16.2	38.4	71.6	134	192	249	305	359	377	377	377	322	279	245	217	194	175	159	145	133				
30	17.4	41.3	77.1	144	207	269	328	387	418	418	418	357	309	271	241	215	194	176	161	148				
32	18.5	44.3	82.7	154	222	288	352	415	448	448	448	393	341	299	265	237	214	194	177					
35	20.3	48.8	91.1	170	245	317	388	457	494	494	494	449	390	342	303	271	245	217	164					
40	23.2	56.4	105	196	283	366	448	504	504	504	504	463	429	391	347	297	242	182						
45	26.1	64.0	119	223	321	416	509	551	551	551	507	471	431	383	329	269	202							

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

Details on pg. 218

Model numbering example

RS180 -1 -RP + 44L -MWJR

Size

Number of strands

Pin type

Number of links

End link

Note: Standard roller chains do not require series selection.