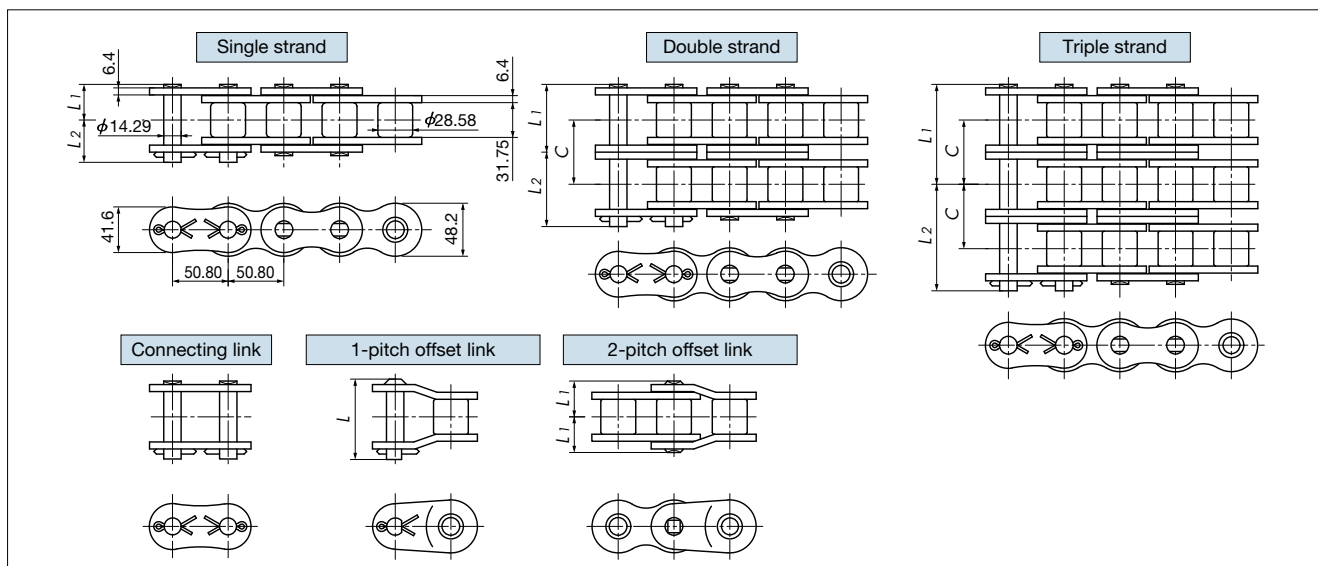




Specifications

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
RS160	1	31.85	36.85	70.2	58.5	223.0{22740}	255 {26000}	53.0{5400}	10.10
	2	61.15	66.15	132.2		446.0{45480}	510 {52000}	90.0{9180}	20.04
	3	90.45	95.45	190.7		669.0{68220}	765 {78000}	132 {13500}	30.02
	4	119.75	124.65	249.2		—	1020{104000}	175 {17820}	40.06
	5	149.05	153.95	307.7		—	1270{130000}	207 {21060}	49.89
	6	178.3	183.3	366.2		—	1530{156000}	244 {24840}	59.93

Note: 1. Maximum allowable load when using a one-pitch offset link is 65% of the above.
2. Number of links per unit = 60. Items in bold are stocked in units.

RS160 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	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300		
	AI		AII		B									C												
9	3.82	8.72	16.3	30.4	43.8	56.7	69.3	74.5	74.5	74.5	62.5	53.3	46.2	40.6	36.0	32.2	29.0	26.4	24.1	22.1	18.9	16.3	14.3	12.7		
10	4.29	9.78	18.2	34.0	49.0	63.5	77.6	87.3	87.3	87.3	73.2	62.5	54.1	47.5	42.1	37.7	34.0	30.9	28.2	25.9	22.1	19.1	16.8	14.9		
11	4.75	10.8	20.2	37.7	54.3	70.4	86.1	98.5	98.5	98.5	84.4	72.1	62.5	54.8	48.6	43.5	39.2	35.6	32.5	29.8	25.5	22.1	19.4	17.2		
12	5.22	11.9	22.2	41.4	59.7	77.3	94.5	108	108	108	96.2	82.1	71.2	62.5	55.4	49.6	44.7	40.6	37.0	34.0	29.0	25.2	22.1	19.6		
13	5.69	13.0	24.2	45.2	65.1	84.3	103	118	118	118	108	92.6	80.2	70.4	62.5	55.9	50.4	45.7	41.8	38.3	32.7	28.4	24.9	22.1		
14	6.16	14.1	26.2	49.0	70.5	91.4	112	128	128	128	121	103	89.7	78.7	69.8	62.5	56.3	51.1	46.7	42.8	36.6	31.7	27.8	24.7		
15	6.64	15.1	28.3	52.7	76.0	98.4	120	138	138	138	134	115	99.5	87.3	77.4	69.3	62.5	56.7	51.8	47.5	40.6	35.2	30.9			
16	7.12	16.2	30.3	56.6	81.5	106	129	148	148	148	148	126	110	96.2	85.3	76.3	68.8	62.5	57.0	52.3	44.7	38.7	34.0			
17	7.60	17.3	32.4	60.4	87.0	113	138	162	162	162	162	138	120	105	93.4	83.6	75.4	68.4	62.5	57.3	48.9	42.4	37.2			
18	8.08	18.4	34.4	64.2	92.5	120	146	173	177	177	177	151	131	115	102	91.1	82.1	74.5	68.1	62.5	53.3	46.2	40.6			
19	8.53	19.6	36.5	68.1	98.1	127	155	183	192	192	192	164	142	124	110	98.8	89.0	80.8	73.8	67.7	57.8	50.1	44.0			
20	8.97	20.7	38.6	72.0	104	134	164	193	207	207	207	177	153	134	119	107	96.2	87.3	79.7	73.2	62.5	54.1	47.5			
21	9.42	21.8	40.6	75.9	109	142	173	204	220	220	220	190	165	145	128	115	103	93.9	85.8	78.7	67.2	58.3	51.1			
22	9.87	22.9	42.7	79.8	115	149	182	214	231	231	231	204	177	155	138	123	111	101	92.0	84.4	72.1	62.5				
23	10.3	24.0	44.8	83.7	121	156	191	225	243	243	243	218	189	166	147	132	119	108	98.3	90.2	77.0	66.8				
24	10.8	25.2	47.0	87.6	126	164	200	236	254	254	254	232	201	177	157	140	126	115	105	96.2	82.1	71.2				
25	11.2	26.3	49.1	91.6	132	171	209	246	266	266	266	247	214	188	167	149	134	122	111	102	87.3	75.4				
26	11.7	27.4	51.2	95.5	138	178	218	257	277	277	277	262	227	199	177	158	143	129	118	108	92.6	80.2				
28	12.6	29.7	55.5	103	149	193	236	278	300	300	300	293	254	223	197	177	159	145	132	121	103	89.7				
30	13.5	32.0	59.8	112	161	208	254	300	325	325	325	325	281	247	219	196	177	160	146	134	115					
32	14.4	34.3	64.1	120	172	223	273	321	358	358	358	358	310	272	241	216	195	177	161	148	126					
35	15.7	37.8	70.6	132	190	246	300	354	407	409	409	409	354	311	276	247	223	202	185	169	134					
40	17.9	43.7	81.5	152	219	284	347	409	470	485	485	485	433	380	337	302	272	247	225	192						
45	20.2	49.6	92.6	173	249	322	394	464	533	551	551	551	517	454	402	360	312	260	202	141						

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

RS160 -1 -RP + 50L -MWJR

Size Number of strands Pin type Number of links End link

Note: Standard roller chains do not require series selection.