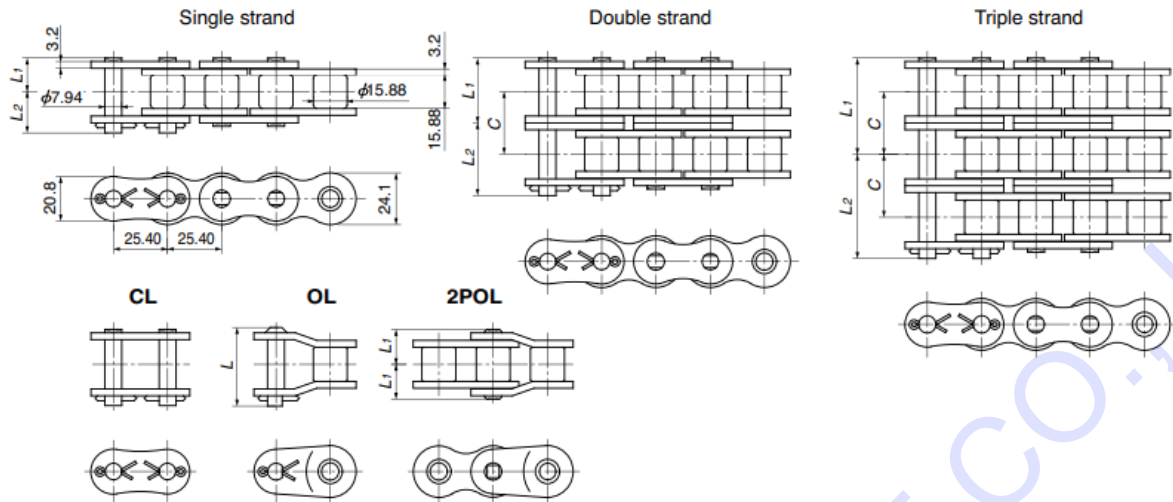


# RS80 (STANDARD ROLLER CHAIN)

## โซ่ขับ / โซ่ลูกกลิ้งมาตรฐาน รุ่น RS80



TSUBAKI Chain Number	Number of Strands	Pin Length L <sub>1</sub> +L <sub>2</sub>	Dimensions L <sub>1</sub>	Dimensions L <sub>2</sub>	Offset Pin Length L	Transverse Pitch C	Pin Type	ANSI Standard Min. Tensile Strength kN{kgf}	Tsubaki Minimum Tensile Strength kN{kgf}	Tsubaki Average Tensile Strength kN{kgf}	Maximum Allowable Load kN{kgf}	Approximate Mass kg/m
<b>RS80-1</b>	1	35.5	16.25	19.25	36.6	29.3	Riveting Cotter pin	55.6 {5670}	71.6{7300}	78.5{8000}	14.7{1500}	2.66
<b>RS80-2</b>	2	64.8	30.9	33.9	67.5		Riveting	111.2{11340}	143 {14600}	157 {16000}	25.0{2550}	5.27
<b>RS80-3</b>	3	94.1	45.6	48.5	96.9			166.8{17009}	215 {21900}	235 {24000}	36.8{3750}	7.89
RS80-4	4	123.5	60.25	63.25	126.3			-	286 {29200}	314 {32000}	48.5{4950}	10.50
RS80-5	5	152.9	74.95	77.95	155.6			-	358 {36500}	392 {40000}	57.4{5850}	13.11
RS80-6	6	182.1	89.6	92.5	184.9			-	430 {43800}	471 {48000}	67.7{6900}	15.73

Note: 1. Maximum allowable load when using a one-pitch offset link (OL) is 65% of the above. Two pitch offset links (2POL) can be used at 100% of the above values.  
 2. Number of links per unit = 120 3. Items in bold are stocked in units, while other items are made-to-order.

■ RS80-1 Maximum Kilowatt Ratings Table (kW Ratings for Single Strand Chain)

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	1400	1600	1800	2000	2200	2400	2700	3000	3400			
9	0.53	1.21	2.26	4.21	6.07	7.86	11.3	14.7	17.9	18.2	18.2	15.1	12.7	10.8	9.39	8.24	6.54	5.35	4.48	3.83	3.32	2.91	2.44	2.08	1.73			
10	0.59	1.36	2.53	4.72	6.80	8.81	12.7	16.4	20.1	20.4	20.4	17.7	14.9	12.7	11.0	9.65	7.66	6.27	5.25	4.48	3.89	3.41	2.86	2.44	2.02			
11	0.66	1.50	2.80	5.23	7.54	9.76	14.1	18.2	22.3	22.6	22.6	20.4	17.1	14.6	12.7	11.1	8.83	7.23	6.06	5.17	4.48	3.94	3.30	2.82	1.27			
12	0.72	1.65	3.08	5.75	8.28	10.7	15.4	20.0	24.5	24.9	24.9	23.3	19.5	16.7	14.5	12.7	10.1	8.24	6.90	5.89	5.11	4.48	3.76	3.21				
13	0.79	1.80	3.36	6.27	9.03	11.7	16.8	21.8	26.7	27.1	27.1	26.3	22.0	18.8	16.3	14.3	11.3	9.29	7.78	6.65	5.76	5.06	4.24	3.62				
14	0.85	1.95	3.64	6.79	9.78	12.7	18.2	23.6	28.9	29.4	29.4	29.4	24.6	21.0	18.2	16.0	12.7	10.4	8.70	7.43	6.44	5.65	4.74	4.04				
15	0.92	2.10	3.92	7.31	10.5	13.6	19.7	25.5	31.1	32.6	32.6	32.6	27.3	23.3	20.2	17.7	14.1	11.5	9.65	8.24	7.14	6.27	5.25	4.48				
16	0.99	2.25	4.20	7.84	11.3	14.6	21.1	27.3	33.4	35.9	35.9	35.9	30.1	25.7	22.2	19.5	15.5	12.7	10.6	9.08	7.87	6.90	5.79	4.94				
17	1.05	2.40	4.49	8.37	12.1	15.6	22.5	29.2	35.6	39.3	39.3	39.3	32.9	28.1	24.4	21.4	17.0	13.9	11.6	9.94	8.62	7.56	6.34	5.41				
18	1.12	2.56	4.77	8.91	12.8	16.6	23.9	31.0	37.9	42.8	42.8	42.8	35.9	30.6	26.5	23.3	18.5	15.1	12.7	10.8	9.39	8.24	6.90	5.89				
19	1.18	2.71	5.06	9.44	13.6	17.6	25.4	32.9	40.2	46.0	46.0	46.0	38.9	33.2	28.8	25.3	20.1	16.4	13.8	11.7	10.2	8.93	7.49	6.39				
20	1.24	2.87	5.35	9.98	14.4	18.6	26.8	34.8	42.5	48.7	48.7	48.7	42.0	35.9	31.1	27.3	21.7	17.7	14.9	12.7	11.0	9.65	8.09					
21	1.31	3.02	5.64	10.5	15.2	19.6	28.3	36.6	44.8	51.3	51.3	51.3	45.2	38.6	33.5	29.4	23.3	19.1	16.0	13.6	11.8	10.4	8.70					
22	1.37	3.18	5.93	11.1	15.9	20.6	29.7	38.5	47.1	53.9	53.9	53.9	48.5	41.4	35.9	31.5	25.0	20.4	17.1	14.6	12.7	11.1	9.33					
23	1.43	3.33	6.22	11.6	16.7	21.7	31.2	40.4	49.4	56.6	56.6	56.6	51.8	44.2	38.3	33.7	26.7	21.9	18.3	15.6	13.6	11.9	9.97					
24	1.49	3.49	6.51	12.2	17.5	22.7	32.7	42.3	51.7	59.3	59.3	59.3	55.2	47.2	40.9	35.9	28.5	23.3	19.5	16.7	14.5	12.7	10.6					
25	1.56	3.65	6.81	12.7	18.3	23.7	34.1	44.2	54.1	61.9	61.9	61.9	58.7	50.1	43.5	38.1	30.3	24.8	20.8	17.7	15.4	13.5	11.3					
26	1.62	3.80	7.10	13.2	19.1	24.7	35.6	46.1	56.4	64.6	64.6	64.6	62.3	53.2	46.1	40.5	32.1	26.3	22.0	18.8	16.3	14.3	12.0					
28	1.74	4.12	7.69	14.4	20.7	26.8	38.6	50.0	61.1	70.0	70.0	70.0	69.6	59.4	51.5	45.2	35.9	29.4	24.6	21.0	18.2	16.0						
30	1.87	4.44	8.29	15.5	22.3	28.9	41.6	53.8	65.8	77.2	77.2	77.2	77.2	65.9	57.1	50.1	39.8	32.6	27.3	23.3	20.2	17.7						
32	1.99	4.76	8.88	16.6	23.9	30.9	44.6	57.7	70.6	83.2	85.0	85.0	85.0	72.6	62.9	55.2	43.8	35.9	30.1	25.7	22.2	19.5						
35	2.18	5.24	9.79	18.3	26.3	34.1	49.1	63.6	77.7	91.6	97.3	97.3	97.3	83.0	72.0	63.2	50.1	41.0	34.4	29.4	25.5							
40	2.49	6.06	11.3	21.1	30.4	39.4	56.7	73.5	89.8	106	114	114	114	101	87.9	77.2	61.3	50.1	42.0	35.9	14.9							
45	2.80	6.88	12.8	24.0	34.5	44.7	64.4	83.4	102	120	130	130	130	121	105	92.1	73.1	59.8	50.1	40.4								

Note: 1. kW rating when using a one-pitch offset link (OL) is 65% of the above. Two pitch offset links (2POL) can be used at 100% of the above values.  
 2. Please contact a Tsubaki representative prior to use of kW ratings in the colored area of the table.

Multi-strand factor	Number of chain strands	Multi-strand factor	Number of chain strands	Multi-strand factor
	Double strand	1.7	Quintuple strand	3.9
	Triple strand	2.5	Sextuple strand	4.6
	Quadruple strand	3.3	-	-

Lubrication method	A	Manual lubrication or drip lubrication	Details on Pg. 202
	B	Oil bath or slinger disc lubrication	
	C	Forced pump lubrication	