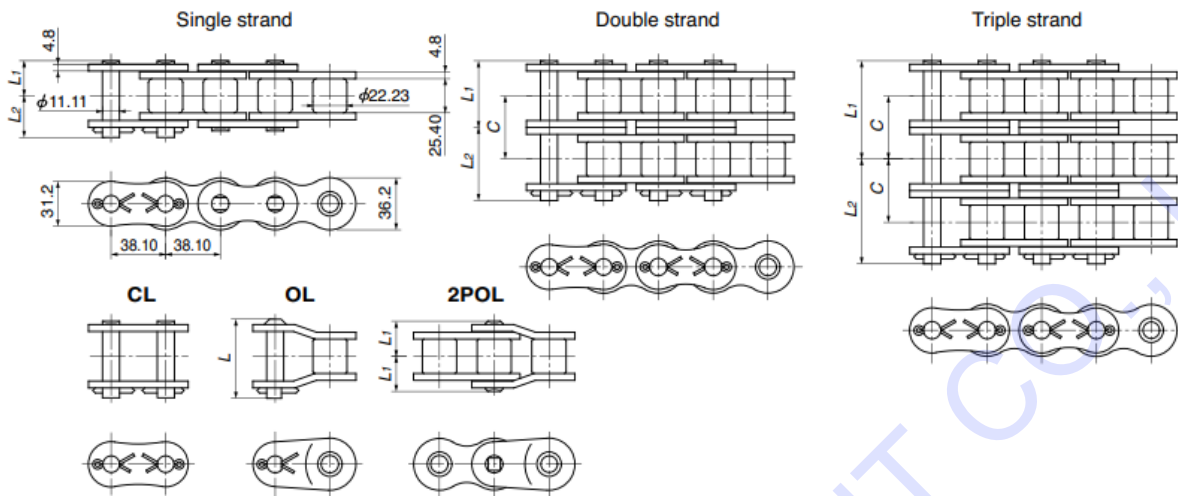


RS120 (STANDARD ROLLER CHAIN)

โซ่ขับ / โซ่ลูกกลิ้งมาตรฐาน รุ่น RS120



TSUBAKI Chain Number	Number of Strands	Pin Length L ₁ +L ₂	Dimensions L ₁	Dimensions L ₂	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
RS120-1	1	53.8	24.9	28.9	55.0	45.4	Cotter pin Riveting	125.0{12747}	148{15100}	167 {17000}	30.4 {3100}	5.93
RS120-2	2	99.2	47.6	51.6	103.2		Cotter pin	250.0{25493}	296{30200}	333 {34000}	51.7 {5270}	11.70
RS120-3	3	144.8	70.4	74.4	148.6		Riveting	375.0{38240}	444{45300}	500 {51000}	76.0 {7750}	17.53
RS120-4	4	190.2	93.1	97.1	194.0			-	592{60400}	667 {68000}	100{10230}	23.36
RS120-5	5	235.7	115.85	119.85	239.4			-	740{75500}	834 {85000}	119{12090}	29.16
RS120-6	6	281.1	138.55	142.55	284.8			-	888{90600}	1000{102000}	140{14260}	34.96

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 = 80 3. Items in bold are stocked in units, while other items are made-to-order.

■RS120-1 Maximum Kilowatt Ratings Table (kW Ratings for Single Strand Chain)

Small Sprocket No. of Teeth	Small Sprocket Max rpm																									
	A					B					C															
Lubrication Type	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	
9	1.65	3.75	7.00	13.1	18.8	24.4	35.1	41.1	41.1	32.2	25.6	20.9	17.5	15.0	13.0	11.4	10.1	9.04	8.15	7.40	6.76	6.20	5.72	5.30	4.92	
10	1.84	4.21	7.85	14.6	21.1	27.3	39.4	46.1	46.0	37.7	30.0	24.5	20.5	17.5	15.2	13.3	11.8	10.6	9.55	8.67	7.91	7.26	6.70	6.20	5.76	
11	2.04	4.66	8.70	16.2	23.4	30.3	43.6	51.0	51.0	43.5	34.6	28.3	23.7	20.2	17.5	15.4	13.7	12.2	11.0	10.0	9.13	8.38	7.73	7.16		
12	2.24	5.12	9.56	17.8	25.7	33.3	47.9	56.1	56.1	49.6	39.4	32.2	27.0	23.1	20.0	17.5	15.6	13.9	12.6	11.4	10.4	9.55	8.81	8.15		
13	2.45	5.58	10.4	19.4	28.0	36.3	52.3	61.1	61.1	55.9	44.4	36.3	30.5	26.0	22.5	19.8	17.5	15.7	14.2	12.8	11.7	10.8	9.93	9.19		
14	2.65	6.05	11.3	21.1	30.3	39.3	56.6	66.2	66.2	62.5	49.6	40.6	34.0	29.1	25.2	22.1	19.6	17.5	15.8	14.4	13.1	12.0	11.1	6.67		
15	2.86	6.52	12.2	22.7	32.7	42.3	61.0	71.3	71.3	69.3	55.0	45.0	37.7	32.2	27.9	24.5	21.7	19.5	17.5	15.9	14.5	13.3	12.3			
16	3.06	6.99	13.0	24.3	35.0	45.4	65.4	76.5	76.5	76.4	60.6	49.6	41.6	35.5	30.8	27.0	24.0	21.4	19.3	17.5	16.0	14.7	13.6			
17	3.27	7.46	13.9	26.0	37.4	48.5	69.8	83.7	83.7	83.7	66.4	54.3	45.5	38.9	33.7	29.6	26.2	23.5	21.2	19.2	17.5	16.1	14.8			
18	3.47	7.93	14.8	27.6	39.8	51.6	74.3	91.2	91.2	91.2	72.3	59.2	49.6	42.4	36.7	32.2	28.6	25.6	23.1	20.9	19.1	17.5	8.43			
19	3.67	8.41	15.7	29.3	42.2	54.7	78.7	98.9	98.9	98.9	78.4	64.2	53.8	45.9	39.8	35.0	31.0	27.7	25.0	22.7	20.7	19.0				
20	3.86	8.89	16.6	31.0	44.6	57.8	83.2	107	107	107	84.7	69.3	58.1	49.6	43.0	37.7	33.5	30.0	27.0	24.5	22.4	20.5				
21	4.05	9.37	17.5	32.6	47.0	60.9	87.7	114	115	115	91.2	74.6	62.5	53.4	46.3	40.6	36.0	32.2	29.1	26.4	24.1	22.1				
22	4.25	9.85	18.4	34.3	49.4	64.0	92.2	119	123	123	97.7	80.0	67.0	57.2	49.6	43.5	38.6	34.6	31.2	28.3	25.8	12.4				
23	4.44	10.3	19.3	36.0	51.9	67.2	96.8	125	132	132	104	85.5	71.7	61.2	53.0	46.6	41.3	36.9	33.3	30.2	27.6					
24	4.63	10.8	20.2	37.7	54.3	70.3	101	131	140	140	111	91.2	76.4	65.2	56.5	49.6	44.0	39.4	35.5	32.2	29.4					
25	4.83	11.3	21.1	39.4	56.7	73.5	106	137	146	146	118	96.9	81.2	69.3	60.1	52.8	46.8	41.9	37.7	34.3	30.8					
26	5.02	11.8	22.0	41.1	59.2	76.7	110	143	152	152	126	103	86.1	73.5	63.7	55.9	49.6	44.4	40.0	36.3	19.8					
28	5.41	12.8	23.9	44.5	64.1	83.1	120	155	165	165	140	115	96.3	82.2	71.2	62.5	55.5	49.6	44.7	40.6						
30	5.79	13.8	25.7	48.0	69.1	89.5	129	167	178	178	156	127	107	91.2	79.0	69.3	61.5	55.0	49.6	31.6						
32	6.18	14.8	27.6	51.4	74.1	96.0	138	179	191	191	171	140	118	100	87.0	76.4	67.8	60.6	54.7							
35	6.76	16.3	30.4	56.7	81.6	106	152	197	210	210	196	161	135	115	99.6	87.4	77.5	69.3	35.6							
40	7.72	18.8	35.1	65.4	94.3	122	176	228	242	242	240	196	164	140	122	107	94.7	44.4								
45	8.69	21.3	39.8	74.3	107	139	200	259	286	286	286	234	196	167	145	127	59.7									

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	
	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	