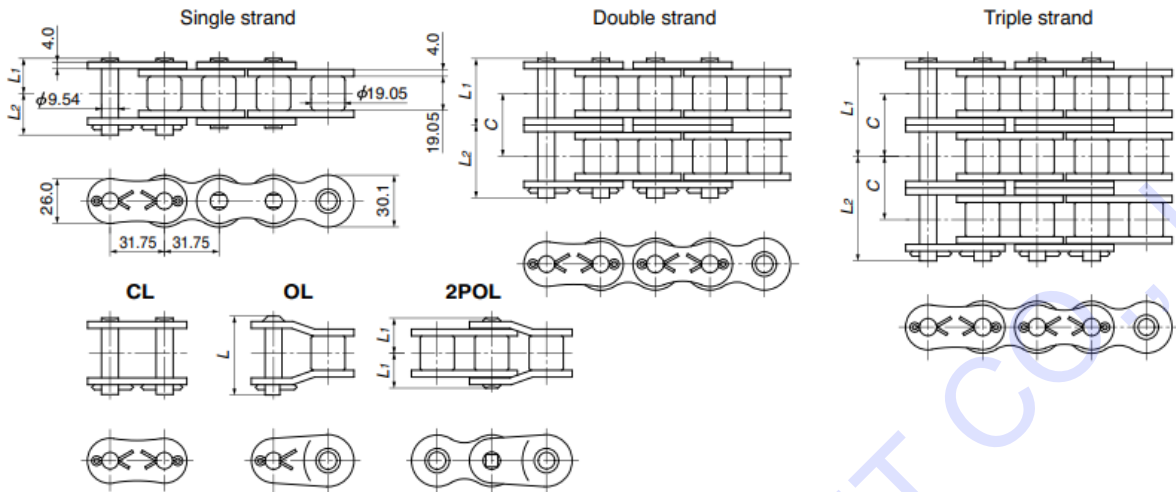


# RS100 (STANDARD ROLLER CHAIN)

## โซ่ขับ / โซ่ลูกกลิ้งมาตรฐาน รุ่น RS100



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>RS100-1</b>	1	42.6	19.75	22.85	43.7	35.8	Cotter pin Riveting	87.0 {8872}	107{10900}	118{12000}	22.6 {2300}	3.99
<b>RS100-2</b>	2	78.5	37.7	40.8	81.5		Cotter pin	174.0{17744}	214{21800}	235{24000}	38.3 {3910}	7.85
<b>RS100-3</b>	3	114.4	55.65	58.75	117.3		Riveting	261.0{26615}	321{32700}	353{36000}	56.4 {5750}	11.77
RS100-4	4	150.2	73.55	76.65	153.1			-	428{43600}	471{48000}	74.4 {7590}	15.70
RS100-5	5	186.1	91.5	94.6	188.9			-	534{54500}	588{60000}	88.0 {8970}	19.53
RS100-6	6	222.0	109.45	112.55	224.7			-	641{65400}	706{72000}	104{10580}	23.48

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 = 96 3. Items in bold are stocked in units, while other items are made-to-order.

■ RS100-1 Maximum Kilowatt Ratings Table (kW Ratings for Single Strand Chain)

Lubrication Type 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
<b>9</b>	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
<b>10</b>	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
<b>11</b>	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
<b>12</b>	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	
<b>13</b>	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	
<b>14</b>	1.64	3.75	6.99	13.0	18.8	24.3	35.1	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		
<b>15</b>	1.77	4.04	7.53	14.1	20.2	26.2	37.8	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		
<b>16</b>	1.90	4.33	8.08	15.1	21.7	28.1	40.5	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		
<b>17</b>	2.03	4.62	8.62	16.1	23.2	30.0	43.3	56.0	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			
<b>18</b>	2.15	4.92	9.17	17.1	24.7	31.9	46.0	59.6	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			
<b>19</b>	2.27	5.21	9.72	18.1	26.1	33.9	48.8	63.2	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			
<b>20</b>	2.39	5.51	10.3	19.2	27.6	35.8	51.5	66.8	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			
<b>21</b>	2.51	5.81	10.8	20.2	29.1	37.7	54.3	70.4	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			
<b>22</b>	2.63	6.10	11.4	21.3	30.6	39.7	57.1	74.0	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			
<b>23</b>	2.75	6.40	12.0	22.3	32.1	41.6	59.9	77.7	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			
<b>24</b>	2.89	6.71	12.5	23.4	33.6	43.6	62.8	81.3	87.6	87.6	78.8	66.0	56.4	48.9	42.9	38.0	34.0	27.9	23.3	19.9				
<b>25</b>	2.99	7.01	13.1	24.4	35.2	45.5	65.6	85.0	91.5	91.5	83.8	70.2	59.9	51.9	45.6	40.4	36.2	29.6	24.8	21.2				
<b>26</b>	3.11	7.31	13.6	25.5	36.7	47.5	68.4	88.7	95.5	95.5	88.8	74.4	63.6	55.1	48.4	42.9	38.4	31.4	26.3	22.5				
<b>28</b>	3.35	7.92	14.8	27.6	39.7	51.5	74.1	96.0	103	103	99.3	83.2	71.0	61.6	54.0	47.9	42.9	35.1	29.4	25.1				
<b>30</b>	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			
<b>32</b>	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				
<b>35</b>	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				
<b>40</b>	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					
<b>45</b>	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 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	Lubrication method	A	B	C	Details on Pg. 202
	Double strand	2	1.7	Quintuple strand		5	Manual lubrication or drip lubrication	Oil bath or slinger disc lubrication	
Triple strand	3	2.5	Sextuple strand	6					
Quadruple strand	4	3.3	-	-					