

■ Base Chain Dimensions

Size	Pitch P	P'	Roller Dia. (Bush) R	Width Between Inner Link Plates W	Plate			Pin				Approx. Mass kg/m	No. of Links per Unit
					Thickness T	Width H	Width h	Dia. D	L_1	L_2	L		
RS25	6.35	Contact a Tsubaki representative for details.	(3.30)	3.18	0.75	5.84	5.05	2.31	3.80	4.80	—	0.14	160
RS35	9.525		(5.08)	4.78	1.25	9.0	7.8	3.59	5.85	6.85	13.5 (14.7)	0.33	320
RS40	12.70		7.92	7.95	1.5	12.0	10.4	3.97 (3.56)	8.25 (8.0)	9.95 (9.2)	18.2 (18.6) (18.5)	0.64	240
RS50	15.875		10.16	9.53	2.0	15.0	13.0	5.09 (4.45)	10.30 (10.15)	12.0 (11.85)	22.6 (23.9) (23.9)	1.04	192
RS60	19.05		11.91	12.70	2.4	18.1	15.6	5.96 (5.09)	12.85 (12.65)	14.75 (14.25)	28.2 (29.4) (28.6)	1.53	160
RS80	25.40		15.88	15.88	3.2	24.1	20.8	7.94	16.25	19.25 (19.45)	36.6 (39.0)	2.66	120
RS100	31.75		19.05	19.05	4.0	30.1	26.0	9.54	19.75	22.85	43.7 (45.7)	3.99	96
RS120	38.10		22.23	25.40	4.8 (5.0)	36.2	31.2	11.11	24.90 (25.75)	28.90 (29.80)	55.0 (59.7)	5.93 (6.13)	80
RS140	44.45		25.4	25.40	5.6 (6.0)	42.2	36.4	12.71	26.90 (28.15)	31.70 (32.95)	59.5 (66.2)	7.49 (7.91)	68
RS160	50.80		28.58	31.75	6.4 (7.0)	48.2	41.6	14.29	31.85 (33.55)	36.85 (38.55)	70.2 (77.3)	10.10 (10.86)	60

■ Attachment Dimensions

Size	C	C_1	N	O	S	T	X	X_2	XS	D	L_3	L_4	Additional Weight per Attachment kg		
													A, SA	K, SK	EP
RS25	7.15	7.95	5.6	3.4	4.75	0.75	10.7	10.7	11.65	2.31	6.0	9.3	0.0003	0.0006	—
RS35	9.5	9.5	7.9	3.4	6.35	1.25	14.3	14.3	14.55	3.59	9.5	14.6	0.0008	0.0016	0.001
RS40	12.7	12.7	9.5	3.6	8.0	1.5	17.8	17.8	17.4	3.97	9.5	16.75	0.002	0.004	0.001
RS50	15.9	15.9	12.7	5.2	10.3	2.0	23.4	23.4	23.05	5.09	11.9	21.0	0.003	0.006	0.002
RS60	19.05	18.3	15.9	5.2	11.9	2.4	28.2	28.2	26.85	5.96	14.3	25.75	0.007	0.014	0.003
RS80	25.4	24.6	19.1	6.8	15.9	3.2	36.6	36.6	35.45	7.94	19.1	33.85	0.013	0.026	0.007
RS100	31.75	31.8	25.4	8.7	19.8	4.0	44.9	44.9	44.0	9.54	23.8	41.75	0.026	0.052	0.012
RS120	38.1	36.5	28.6	10.3	23.0	4.8 (5.0)	55.8 (56.7)	50.8 (51.5)	52.9	11.11	28.6	51.4	0.044 (0.046)	0.088 (0.092)	0.020
RS140	44.5	44.5	34.9	11.9	28.6	5.6 (6.0)	63.1 (64.6)	57.2 (58.0)	63.5	12.71	33.3	57.9	0.071 (0.076)	0.142 (0.152)	0.030
RS160	50.8	50.8	38.1	14.3	31.8	6.4 (7.0)	71.8 (73.7)	65.1 (66.0)	70.1	14.29	38.1	67.45	0.097 (0.106)	0.194 (0.212)	0.045

■ Applicable Chain Sizes and Maximum Allowable Loads

Unit: kN[kgf]

Size	RS Attachment Chain (General Use)	Stainless Steel RS Attachment Chain					Surface-Treated RS Attachment Chain		Plastic Roller Chain
		SS Series	HS Series	AS Series	NS Series	LSK Series (Stainless Steel Roller)	NP Series	NEP Series	SP Roller
RS25	0.64{ 65}	0.12{ 12}	—	—	0.12{ 12}	—	0.64{ 65}	—	—
RS35	1.52{ 155}	0.26{ 27}	—	—	0.26{ 27}	—	1.52{ 155}	—	—
RS40	2.65{ 270}	0.69{ 70}	1.19{121}	0.69{ 70}	0.44{ 45}	0.44{ 45}	2.65{ 270}	2.65{ 270}	0.23{23}
RS50	4.31{ 440}	1.03{105}	1.85{189}	1.03{105}	0.69{ 70}	0.69{ 70}	4.31{ 440}	4.31{ 440}	0.34{35}
RS60	6.28{ 640}	1.57{160}	2.78{283}	1.57{160}	1.03{105}	1.03{105}	6.28{ 640}	6.28{ 640}	0.54{55}
RS80	10.7 {1090}	2.65{270}	4.77{486}	2.65{270}	1.77{180}	—	10.7 {1090}	10.7 {1090}	0.88{89}
RS100	17.1 {1740}	3.82{390}	—	—	—	—	17.1 {1740}	17.1 {1740}	—
RS120	23.9 {2440}	3.82{390}	—	—	—	—	23.9 {2440}	—	—
RS140	32.4 {3300}	4.61{470}	—	—	—	—	32.4 {3300}	—	—
RS160	40.9 {4170}	6.37{650}	—	—	—	—	40.9 {4170}	—	—

Note: 1. Figures inside { } are for stainless steel chain.

2. Figures inside 《 》 are for LSK series. EP dimensions (D, L_3) on LSK differ from those on standard chain. When considering using EP attachments, contact a Tsubaki representative for details.

3. Connecting links of LSK series use cotter pins.

4. Dimensions O and O1 are slightly smaller on NEP series. Pin end diameter on NP and NEP series is slightly larger.

5. An EP attachment on NEP series has a different surface treatment from standard NEP series. It has lower corrosion resistance and no chemical resistance.

6. SS and NS series are not pre-lubricated before shipping. Always lubricate the chain before use, except when using underwater or when the chain will contact water. Using a chain without lubrication may result in premature articulation problems. Maximum allowable loads are based on lubricated (including water lubricated) conditions.

7. The above dimensions are nominal dimensions and may differ from actual dimensions.