

Base Chain Dimensions

Size	Roller Type	Pitch P	Roller Dia.		Width Between Inner Link Plates W	Pin			Offset Pin Length L	Plate		Approx. Mass kg/m			No. of Links per Unit
			S Roller R ₁	R Roller R ₂		Dia. D	L ₁	L ₂		Thickness T	Width H	Steel		Plastic Roller R Roller	
RF2040	S · R	25.40	7.92	15.88	7.95	3.97 {3.56}	8.25 {8.0}	9.95 {9.2}	18.2 {18.6} {18.5}	1.5	12.0	0.51	0.87	0.52	120
RF2050		31.75	10.16	19.05	9.53	5.09 {4.45}	10.30 {10.15}	12.0 {11.85}	22.6 {23.9} {23.9}	2.0	15.0	0.84	1.30	0.83	96
RF2060		38.10	11.91	22.23	12.70	5.96 {5.09}	14.55 {14.35}	16.55 {15.95}	31.5 {32.8} {32.0}	3.2	17.2	1.51	2.19	1.48	80
RF2080		50.80	15.88	28.58	15.88	7.94	*18.30	*20.90	*39.9 {42.1}	4.0	23.0	2.41	3.52	2.64	60
RF2100		63.50	19.05	39.69	19.05	9.54	21.80 {22.30}	24.50 {24.90}	47.5 {50.0}	4.8 {5.0}	28.6	3.54 {3.66}	5.80 {5.92}	3.63 {3.75}	48
RF2120		76.20	22.23	44.45	25.40	11.11	26.95 {28.05}	30.55 {31.75}	59.0 {63.5}	5.6 {6.0}	34.4	5.08 {5.37}	8.13 {8.42}	—	40
RF2160		101.60	28.58	57.15	31.75	14.29	33.95 {35.70}	38.45 {41.10}	74.1 {81.3}	7.15 {8.0}	48.2	8.96 {9.84}	13.70 {14.58}	—	30

Attachment Dimensions

Size	P'	C	C ₁	C ₂	K	N	O	O ₁	S	X	X ₂	XS	D	L ₃	L ₄	G	Additional Weight per Attachment kg		
																	A, SA	K, SK	EP
RF2040	Contact a Tsubaki representative for details.	12.7	11.1	13.6	9.5	19.1	3.6	5.2	9.1	19.3	17.6	19.8	3.97	9.5	16.75	4.1	0.003	0.006	0.001
RF2050		15.9	14.3	15.9	11.9	23.8	5.2	6.8	11.1	24.2	22.0	24.6	5.09	11.9	21.0	5.1	0.006	0.012	0.002
RF2060		21.45	17.5	19.1	14.3	28.6	5.2	8.7	14.7	31.5	28.2	30.6	5.96	14.3	27.45	6.1	0.017	0.034	0.003
RF2080		27.8	22.2	25.4	19.1	38.1	6.8	10.3	19.1	40.7	36.6	40.5	7.94	19.1	35.5	8.1	0.032	0.064	0.007
RF2100		33.35	28.6	31.8	23.8	47.6	8.7	14.3	23.4	49.9 {50.8}	44.9 {45.3}	50.4	9.54	23.8	43.4 {43.9}	10.1	0.060 {0.063}	0.120 {0.126}	0.012
RF2120		39.7	33.3	37.3	28.6	57.2	14.0	16.0	27.8	60.7 {61.8}	54.4 {55.2}	59.9	—	—	—	—	0.100 {0.107}	0.200 {0.214}	—
RF2160		52.4	44.5	50.8	38.1	76.2	18.0	22.0	36.5	77.8 {80.35}	70.0 {71.65}	78.6	—	—	—	—	0.203 {0.227}	0.400 {0.454}	—

Applicable Chain Sizes and Maximum Allowable Loads

Unit: kN(kgf)

Size	Double Pitch Chain (General Use)	Stainless Steel Double Pitch Chain					Surface-Treated Double Pitch Chain		Plastic Roller Chain
		SS Series	HS Series	AS Series	NS Series	LSK Series	NP Series	NEP Series	SP Roller
RF2040(S-R)	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}
RF2050(S-R)	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}
RF2060(S-R)	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}
RF2080(S-R)	10.7 {1090}	2.65{270}	4.77{486}	2.65{270}	1.77{180}	—	10.7 {1090}	10.7 {1090}	0.88{90}
RF2100(S-R)	17.1 {1740}	2.55{260}	—	—	—	—	17.1 {1740}	17.1 {1740}	—
RF2120(S-R)	23.9 {2440}	3.82{390}	—	—	—	—	23.9 {2440}	—	—
RF2160(S-R)	40.9 {4170}	6.37{650}	—	—	—	—	40.9 {4170}	—	—

Size	General-Use Plastic Roller Chain			Low-Noise Plastic Roller Chain			KV Series Plastic Roller Chain
	Standard Series	NP Series	SS Series	Standard Series	NP Series	SS Series	
RF2040R	0.44{ 45}	0.44{ 45}	0.44{ 45}	0.44{ 45}	0.44{ 45}	0.44{ 45}	0.44{ 45}
RF2050R	0.69{ 70}	0.69{ 70}	0.69{ 70}	0.69{ 70}	0.69{ 70}	0.69{ 70}	0.69{ 70}
RF2060R	1.03{105}	1.03{105}	1.03{105}	1.03{105}	1.03{105}	1.03{105}	1.03{105}
RF2080R	1.77{180}	1.77{180}	1.77{180}	1.77{180}	1.77{180}	1.77{180}	—
RF2100R	2.55{260}	2.55{260}	2.55{260}	—	—	—	—

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

2. Offset pin length on RF2080 is 42.0 for AS series, 41.9 for NEP series, 42.7 for NS series, and 49.0 for RF2100 NEP series.

3. Figures inside { } are for LSK series. EP dimensions (D, L₃) on LSK differ from those on standard chain. When considering using EP attachments, contact a Tsubaki representative for details.

4. On NS series, dimension L₁ is 18.70, L₂ is 21.30, X is 41.1, and X₂ is 36.35.

5. Connecting links of LSK series use cotter pins.

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

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

8. 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.

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