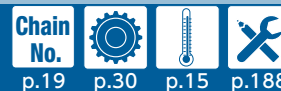


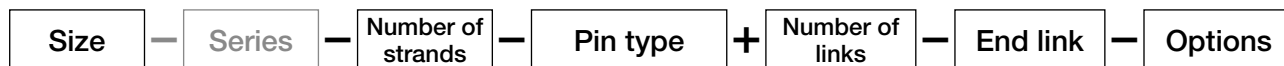
Standard Roller Chain Model Numbering



This page shows the series, number of strands, as well as types of pins and connecting links that can be selected for each size. Also refer to “Ordering RS Roller Chain” on page 19.

Customized items are also available. Please contact a Tsubaki representative.

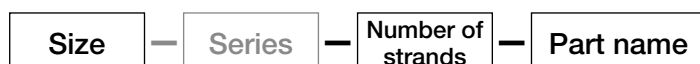
1. Chains ordered by specifying the number of links, etc.



◆ Model numbering example

RS60-1-RP+80L-MCJR

2. Individual parts, such as connecting links and offset links, ordered by quantity



◆ Model numbering example

RS140-1-MWJL
RS160-3-2POL

Note: Standard roller chains do not require series selection. However, for the series code, be sure to indicate H for BF25, and T for RF320 and RF400.

■ Pin type

(column = size; row = no. of strands)

	1	2	3	4	5	6
RS15	RP	×	×	×	×	×
RS25	RP	RP	RP	RP	RP	RP
RS35	RP/CP	RP	RP	RP	RP	RP
RS40	RP/CP	RP/CP	RP	RP	RP	RP
RS50	RP/CP	RP/CP	RP	RP	RP	RP
RS60	RP/CP	RP/CP	RP/CP	RP	RP	RP
RS80	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS100	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS120	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS140	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS160	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS180	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS200	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP	RP/CP
RS240	RP	RP	RP	RP	RP	RP

	1
BF25	RP
RS37	RP
RS38	RP
RS41	RP

	1 to 4
RF320	RP
RF400	RP

• Up to 8 strands are available depending on the size.

■ Offset link types and part names

(column = size; row = no. of strands)

	1	2	3	4	5	6
RS15	×	×	×	×	×	×
RS25	2O	2O	2O	×	×	×
RS35	O/2O	O/2O	O/2O	O	O	O
RS40	O/2O	O/2O	O/2O	O	O	O
RS50	O/2O	O/2O	O/2O	O	O	O
RS60	O/2O	O/2O	O/2O	O	O	O
RS80	O/2O	O/2O	O/2O	O	O	O
RS100	O/2O	O/2O	O/2O	O	O	O
RS120	O/2O	O/2O	O/2O	O	O	O
RS140	O/2O	O/2O	O/2O	O	O	O
RS160	O/2O	O/2O	O/2O	O	O	O
RS180	O/2O	O/2O	O/2O	O	O	O
RS200	O/2O	O/2O	O/2O	O	O	O
RS240	O/2O	O/2O	O/2O	O	O	O

	1
BF25	×
RS37	O
RS38	O
RS41	O

• Offset links are not available for RF320 and RF400.
• Part names: O is offset link; 2O is 2-pitch offset link.

■ End link symbol for connecting links and part names

(column = size; row = no. of strands)

	1	2	3	4	5	6	All strands
RS15	MCJ	×	×	×	×	×	×
RS25	MCJ	MCJ	MCJ	MCJ	MCJ	MCJ	×
RS35	MCJ	MCJ	MCJ	MCJ	MWJ	MWJ	F
RS40	MCJ	MCJ	MWJ	MWJ	MWJ	MWJ	F
RS50	MCJ	MCJ	MWJ	MWJ	MWJ	MWJ	F
RS60	MCJ	MCJ	MWJ	MWJ	MWJ	MWJ	F
RS80	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS100	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS120	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS140	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS160	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS180	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS200	MWJ	MWJ	MWJ	MWJ	MWJ	MWJ	F
RS240	MSJ	MSJ	MSJ	MSJ	MSJ	MSJ	F

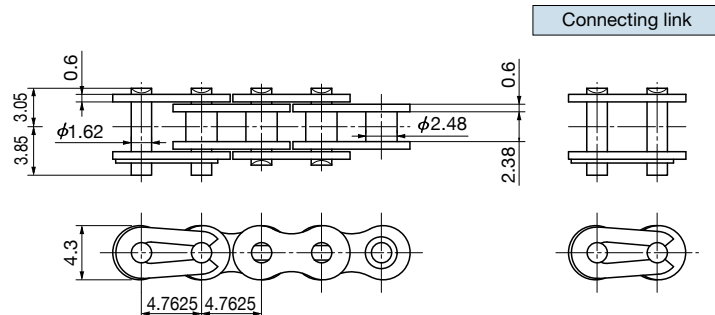
• F type connecting links are available for RS40 and larger chains.

	1
BF25	MCJ
RS37	MCJ
RS38	MCJ
RS41	MCJ

	1 to 4
RF320	FTJ
RF400	FTJ

How to read chart

RP/CP	Select from RP or CP
RP	RP only
MWJ	M-type connecting link with cotter pin only
MCJ	M-type connecting link with clip only
MSJ	M-type connecting link with spring pin only
FTJ	F-type connecting link with T-pin only
O/2O	Select from offset link or 2-pitch offset link
O	Offset link only
2O	2-pitch offset link only
×	Not available



Specifications

Tsubaki chain number	Min. tensile strength kN{kgf}	Max. allowable load* ³ kN{kgf}	Approx. mass kg/m
RS15-1-RP	1.77{180}	0.31{32}	0.075

Note: 1. Rollerless bushed chain.

2. Offset links are not available.

*3. The maximum allowable load when using an M-type connecting link is 0.25 kN.

4. Number of links per unit = 210. Items in bold are stocked in units.

Model numbering example

RS15 -1 -RP + 200L -MCJR

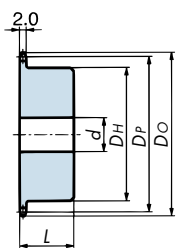
Size

Number
of strands

Pin type

Number
of links

End link

Note: Standard roller chains do not
require series selection.Mechanically machined
1B type

Model numbering example

RS15-1 B 15TSize-Number
of strands

Hub type

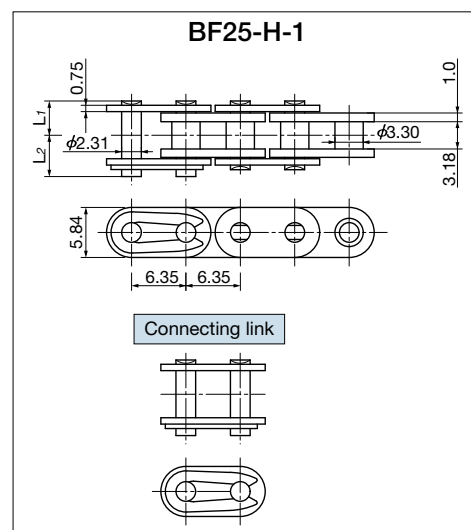
Number
of teeth

Number of teeth	Pitch circle dia. D_P	Outer dia. (D_O)	Bore dia. d		Hub		Approx. mass g	Material
			Pilot bore	Max.	Dia. D_H	Length L		
11	16.90	19.0	4	7	11	10	9	Machine-structural carbon steel
12	18.40	20.5	4	8	12	10	10	
13	19.90	22.0	4	9	14	10	14	
14	21.40	23.5	6	10	15	12	17	
15	22.91	25.0	6	12	17	12	22	
16	24.41	26.5	8	12	18	12	23	
17	25.92	28.0	8	14	20	14	32	
18	27.43	29.5	8	14	22	14	40	
19	28.93	31.0	8	15	23	14	44	
20	30.44	32.5	8	15	24	14	49	
21	31.95	34.0	8	17	26	14	57	
22	33.46	35.5	8	17	27	14	62	
23	34.98	37.5	8	17	28	14	68	
24	36.49	39.0	8	20	30	16	88	
25	38.00	40.5	8	20	32	16	100	
26	39.51	42.0	10	22	33	16	104	
27	41.02	43.5	10	25	35	16	117	
28	42.54	45.0	10	25	37	16	131	
29	44.05	46.5	10	25	38	16	139	
30	45.56	48.0	10	25	39	16	147	
31	47.08	49.5	10	25	40	18	175	
32	48.59	51.0	10	25	40	18	176	
33	50.10	52.5	10	25	40	18	178	
34	51.62	54.0	10	25	40	18	180	
35	53.13	55.5	10	25	40	18	182	

Note: 1. Bore diameters shown are standard figures. Determine bore diameter and key bearing pressure
based on general mechanical design.

2. Pilot bore diameters are finished to an H10 tolerance.

3. All models stocked.

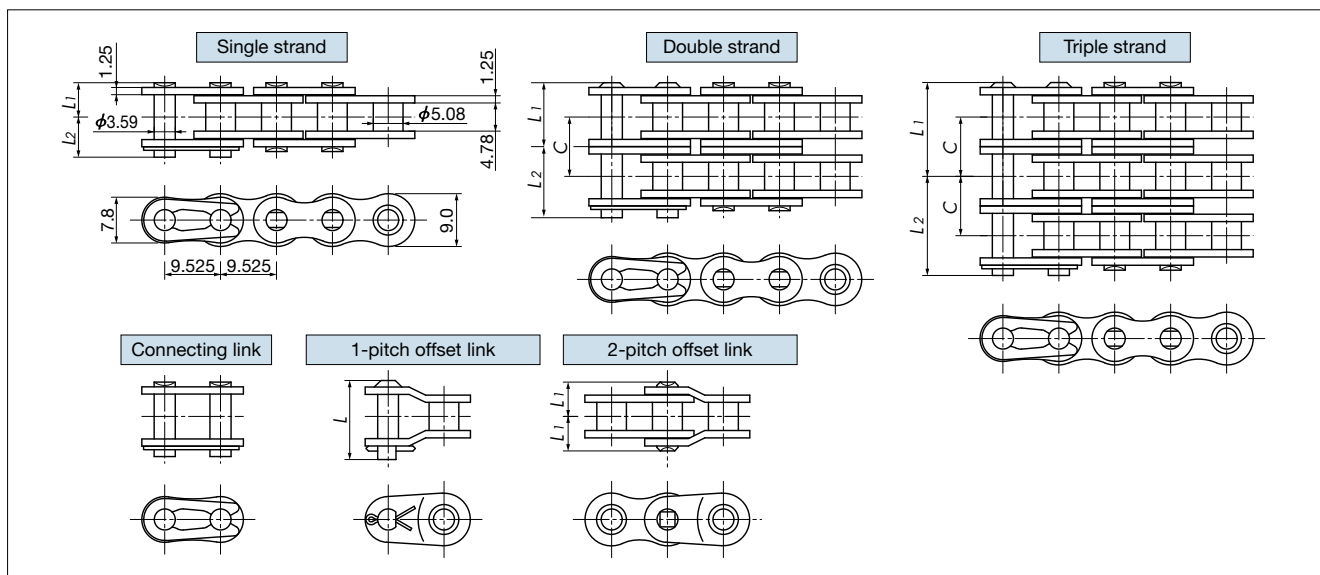


4. Number of links per unit = 160. Items in bold are stocked in units.

Note: Please contact a Tsubaki representative prior to use of kW ratings in the shaded area of the table.

Details on pg. 218

Note: Standard roller chains do not require series selection.



Specifications

Size	Number of strands	Dimensions L_1	Dimensions L_2	Offset pin length L	Transverse pitch C	ASME standard min. tensile strength kN[kgf]	Min. tensile strength kN[kgf]	Max. allowable load kN[kgf]	Approx. mass kg/m
RS35	1	5.85	6.85	13.5	10.1	7.9 {806}	9.81 {1000}	2.16 {220}	0.33
	2	10.9	11.9	24.5		15.8 {1612}	19.6 {2000}	3.63 {370}	0.69
	3	16.0	16.9	34.6		23.7 {2417}	29.4 {3000}	5.39 {550}	1.05

Note: 1. Rollerless bushed chain.

2. Maximum allowable load when using a one-pitch offset link is 65% of the above.

3. Number of links per unit = 320. Items in bold are stocked in units.

RS35 Maximum kilowatt ratings table (kW ratings for single strand chain)

Lubrication Small sprocket no. of teeth	Small sprocket max rpm																									
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000	
	AI				AII			B												C						
9	0.09	0.17	0.47	0.74	1.00	1.26	1.63	1.99	2.34	2.69	2.13	1.62	1.29	1.05	0.88	0.75	0.65	0.57	0.51	0.46	0.41	0.37	0.34	0.31	0.27	
10	0.10	0.19	0.52	0.83	1.12	1.41	1.82	2.23	2.63	3.02	2.50	1.90	1.51	1.23	1.03	0.88	0.77	0.67	0.60	0.53	0.48	0.44	0.40	0.37	0.31	
11	0.12	0.22	0.58	0.92	1.24	1.56	2.02	2.47	2.91	3.34	2.88	2.19	1.74	1.42	1.19	1.02	0.88	0.77	0.69	0.61	0.55	0.50	0.46	0.42	0.36	
12	0.13	0.24	0.64	1.01	1.37	1.71	2.22	2.71	3.20	3.67	3.28	2.50	1.98	1.62	1.36	1.16	1.01	0.88	0.78	0.70	0.63	0.57	0.52	0.48	0.41	
13	0.14	0.26	0.70	1.10	1.49	1.87	2.42	2.96	3.49	4.01	3.70	2.82	2.23	1.83	1.53	1.31	1.13	1.00	0.88	0.79	0.71	0.65	0.59	0.54	0.46	
14	0.15	0.28	0.75	1.19	1.61	2.02	2.62	3.21	3.78	4.34	4.14	3.15	2.50	2.04	1.71	1.46	1.27	1.11	0.99	0.88	0.80	0.72	0.66	0.61	0.52	
15	0.16	0.30	0.81	1.29	1.74	2.18	2.83	3.45	4.07	4.68	4.59	3.49	2.77	2.27	1.90	1.62	1.41	1.23	1.09	0.98	0.88	0.80	0.73	0.67	0.57	
16	0.17	0.32	0.87	1.38	1.87	2.34	3.03	3.70	4.36	5.01	5.05	3.85	3.05	2.50	2.09	1.79	1.55	1.36	1.21	1.08	0.97	0.88	0.81	0.74	0.63	
17	0.19	0.35	0.93	1.47	1.99	2.50	3.23	3.95	4.66	5.35	5.54	4.21	3.34	2.74	2.29	1.96	1.70	1.49	1.32	1.18	1.07	0.97	0.88	0.81	0.69	
18	0.20	0.37	0.99	1.56	2.12	2.66	3.44	4.21	4.96	5.69	6.03	4.59	3.64	2.98	2.50	2.13	1.85	1.62	1.44	1.29	1.16	1.05	0.96	0.88	0.75	
19	0.21	0.39	1.05	1.66	2.25	2.82	3.65	4.46	5.25	6.04	6.54	4.98	3.95	3.23	2.71	2.31	2.00	1.76	1.56	1.40	1.26	1.14	1.04	0.96	0.82	
20	0.22	0.41	1.11	1.75	2.37	2.98	3.86	4.71	5.55	6.38	7.06	5.37	4.26	3.49	2.93	2.50	2.16	1.90	1.69	1.51	1.36	1.23	1.13	1.03	0.88	
21	0.23	0.43	1.17	1.85	2.50	3.14	4.06	4.97	5.85	6.72	7.60	5.78	4.59	3.76	3.15	2.69	2.33	2.04	1.81	1.62	1.46	1.33	1.21	1.11	0.95	
22	0.24	0.46	1.23	1.94	2.63	3.30	4.27	5.22	6.16	7.07	8.15	6.20	4.92	4.03	3.37	2.88	2.50	2.19	1.94	1.74	1.57	1.42	1.30	1.19	1.02	
23	0.26	0.48	1.29	2.04	2.76	3.46	4.48	5.48	6.46	7.42	8.68	6.63	5.26	4.30	3.61	3.08	2.67	2.34	2.08	1.86	1.68	1.52	1.39	1.28	1.09	
24	0.27	0.50	1.35	2.13	2.89	3.62	4.69	5.74	6.76	7.77	9.09	7.06	5.61	4.59	3.85	3.28	2.85	2.50	2.21	1.98	1.79	1.62	1.48	1.36	1.16	
25	0.28	0.52	1.41	2.23	3.02	3.79	4.91	6.00	7.07	8.12	9.50	7.51	5.96	4.88	4.09	3.49	3.03	2.66	2.35	2.11	1.90	1.72	1.57	1.45	1.23	
26	0.29	0.55	1.47	2.33	3.15	3.95	5.12	6.26	7.37	8.47	9.91	7.97	6.32	5.17	4.34	3.70	3.21	2.82	2.50	2.23	2.02	1.83	1.67	1.53	1.31	
28	0.32	0.59	1.59	2.52	3.41	4.28	5.54	6.78	7.99	9.18	10.7	8.90	7.06	5.78	4.85	4.14	3.59	3.15	2.79	2.50	2.25	2.04	1.87	1.71	1.46	
30	0.34	0.64	1.72	2.72	3.68	4.61	5.97	7.30	8.60	9.89	11.6	9.87	7.83	6.41	5.37	4.59	3.98	3.49	3.10	2.77	2.50	2.27	2.07	1.90	1.62	
32	0.37	0.68	1.84	2.91	3.94	4.94	6.40	7.83	9.23	10.6	12.4	10.9	8.63	7.06	5.92	5.05	4.38	3.85	3.41	3.05	2.75	2.50	2.28	2.09		
35	0.40	0.75	2.03	3.21	4.34	5.45	7.06	8.63	10.2	11.7	13.7	12.4	9.87	8.08	6.77	5.78	5.01	4.40	3.90	3.49	3.15	2.86	2.61	2.39		
40	0.47	0.87	2.34	3.71	5.02	6.29	8.15	9.96	11.7	13.5	15.8	15.2	12.1	9.87	8.27	7.06	6.12	5.37	4.77	4.26	3.85	3.49				
45	0.53	0.99	2.66	4.21	5.70	7.14	9.26	11.3	13.3	15.3	17.9	18.1	14.4	11.8	9.87	8.43	7.31	6.41	5.69	5.09						

Note: 1. kW ratings when using one pitch offset links are 80% of the above.

2. Please contact a Tsubaki representative prior to use of kW ratings in the shaded area of the table.

Multi-strand factors

Number of chain strands	Two strands	Three strands
Multi-strand factor	1.7	2.5

Lubrication systems and methods

Lubrication system	AI	AII	B	C
Method	Manual lubrication	Drip lubrication	Oil bath or slinger disc lubrication	Forced pump lubrication

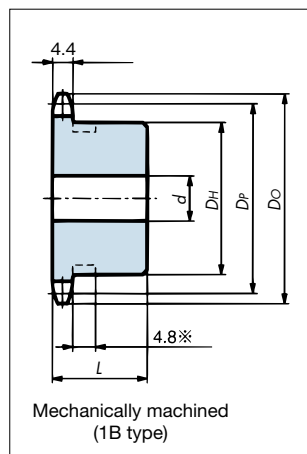
Details on pg. 218

Model numbering example

RS35 -1 -RP + 310L -MCJR

Size Number of strands Pin type Number of links End link

Note: Standard roller chains do not require series selection.



Number of teeth	Pitch circle dia. D_p	Outer dia. (D_o)	1B type				Approx. mass kg	Material	Number of teeth
			Bore dia. d		Hub				
			Pilot bore	Max.	Dia. D_H	Length L			
9	27.85	32	8	11	22	20	0.05	Mechanically machined: machine-structural carbon steel	9
10	30.82	35	8	12	25	20	0.07		10
11	33.81	38	8	14	27	20	0.08		11
12	36.80	41	8	16.5	31	20	0.11		12
13	39.80	44	9.5	18	32	20	0.12		13
14	42.80	47	9.5	16.5	30	20	0.12		14
15	45.81	51	9.5	19	35	20	0.16		15
16	48.82	54	9.5	20	37	20	0.18		16
17	51.84	57	9.5	24	41	20	0.22		17
18	54.85	60	9.5	24.5	44	20	0.25		18
19	57.87	63	9.5	28.5	47	20	0.29		19
20	60.89	66	9.5	30	50	20	0.32		20
21	63.91	69	9.5	32	53	20	0.36		21
22	66.93	72	9.5	32	53	20	0.37		22
23	69.95	75	9.5	32	53	20	0.38		23
24	72.97	78	9.5	32	53	22	0.43		24
25	76.00	81	12.7	32	53	22	0.43		25
26	79.02	84	12.7	32	53	22	0.44		26
27	82.05	87	12.7	32	53	22	0.45		27
28	85.07	90	12.7	32	53	22	0.47		28
30	91.12	96	12.7	32	53	22	0.50		30
32	97.18	102	12.7	32	53	22	0.53		32
34	103.23	109	12.7	32	53	22	0.56		34
35	106.26	112	12.7	32	53	22	0.58		35
36	109.29	115	12.7	32	53	22	0.59		36
38	115.34	121	13	42	63	25	0.82		38
40	121.40	127	13	42	63	25	0.86		40
42	127.46	133	13	42	63	25	0.90		42
45	136.55	142	13	42	63	25	0.96		45
48	145.64	151	13	42	63	25	1.0		48
50	151.69	157	13	42	63	25	1.1		50
54	163.82	169	13	42	63	25	1.2	54	
60	182.00	187	13	42	63	25	1.4	60	
65	197.15	203	16	45	68	25	1.6	65	
70	212.30	218	16	45	68	25	1.7	70	
75	227.46	233	16	45	68	25	1.9	75	

Note: 1. Maximum bore diameters shown are standard figures. Determine bore diameter and key bearing pressure based on general mechanical design.

2. Models marked with * above have a groove around the periphery of the hub. Groove outer diameter is 16 for 9T, 18 for 10T, 22 for 11T, 24 for 12T, and 28 for 13T.

3. Models in shaded areas have hardened teeth.

4. Sprockets with 42 or more teeth do not have hardened teeth, but they can be manufactured with hardened teeth (quick delivery).

5. All models stocked.

Model numbering example

RS35 -1 B 50T

Size
Number of strands

Number of teeth
Hub type

Hardened teeth model numbering example

RS35 -1 B 15T Q

Size
Number of strands

Number of teeth
Hub type

Hardened teeth

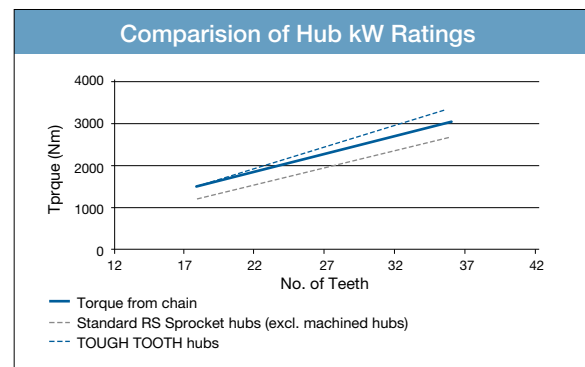
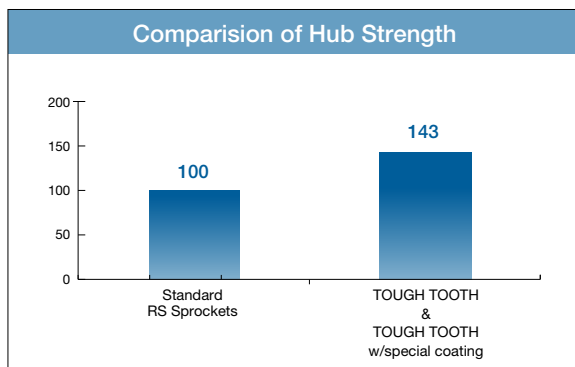
Tough Tooth sprockets have increased strength and durability to bring out the best in Tsubaki's Heavy Duty Drive Chains.

RS Sprocket TOUGH TOOTH



Features

- ◆ Offers ample tooth strength for chains, and features a reinforced hub. Bore keyway has 43% higher allowable surface pressure.
- ◆ All models feature hardened teeth to give the sprocket more wear resistance.
- ◆ A special coating that further increases tooth hardness is optionally available. Ideal for harsh operating environments where users want to reduce chain and sprocket replacement frequency.



Note: 1. Torque is calculated from keyway allowable surface pressure using a JIS parallel key at the maximum shaft hub diameter.
2. Comparison using RS80-SUP-H-1.

Specifications

- ◆ B and C types standardized for single and double strand RS-HT Series RS60 and above.
- ◆ RS-HT Chains and Super-H Chains in multi-strand configurations have a different tooth transverse pitch than RS Roller Chain sprockets.
- ◆ Other multi-strand configurations, hub types, and numbers of teeth are made-to-order. Other shaft hub finishing also available.
- ◆ Both teeth and hubs use carbon steel for machine structural use (high-tensile steel).
- ◆ Made-to-order product.

Model Numbering Example

RS120 - 1B 30T Q - T - K1

Chain size: RS120

Number of strands and hub type: 1B, 2B, 1C, 2C, 2HB*, 2HC*

Number of teeth: 30T

Hardened teeth: Q

TOUGH TOOTH: T

Blank : Standard pilot bore
K1 : Special coating

*2HB and 2HC are for Super-H and RS-HT chain use.

Available Range

☐ RS Sprocket TOUGH TOOTH
 ☐ Use standard RS Sprocket with pilot bore
 ☐ Made-to-order

■ 1B (single strand B type)

No. of teeth/size	RS60	RS80	RS100	RS120	RS140	RS160	RS180	RS200	RS240
9T									
10T									
11T									
12T									
13T									
14T									
15T									
16T									
17T									
18T									
19T									
20T									
21T									
22T									
23T									
24T									
25T									
26T									
27T									
28T									
30T									
32T									
34T									
35T									
36T									
38T									
40T or more									

■ 1C (single strand C type)

No. of teeth/size	RS60	RS80	RS100	RS120	RS140	RS160	RS180	RS200	RS240
9T									
10T									
11T									
12T									
13T									
14T									
15T									
16T									
17T									
18T									
19T									
20T									
21T									
22T									
23T									
24T									
25T									
26T									
27T									
28T									
30T									
32T									
34T									
35T									
36T									
38T									
40T or more									

See pages 40 to 56 for mass and dimensions.

■ Contact a Tsubaki representative regarding models with dimensions not shown in this catalog.

■ Sizes, numbers of strands, numbers of teeth, and hub dimensions other than those shown above available.

Available Range

☐ RS Sprocket TOUGH TOOTH
 ☐ Use standard RS Sprocket with pilot bore
 ☐ Made-to-order

■ 2B (double strand B type)

No. of teeth/size	RS60	RS80	RS100	RS120	RS140-240
9T					
10T					
11T					
12T					
13T					
14T					
15T					
16T					
17T					
18T					
19T					
20T					
21T					
22T					
23T					
24T					
25T					
26T					
27T					
28T					
30T					
32T					
34T					
35T					
36T					
38T					
40T or more					

■ 2C (double strand C type)

No. of teeth/size	RS60	RS80	RS100	RS120	RS140-240
9T					
10T					
11T					
12T					
13T					
14T					
15T					
16T					
17T					
18T					
19T					
20T					
21T					
22T					
23T					
24T					
25T					
26T					
27T					
28T					
30T					
32T					
34T					
35T					
36T					
38T					
40T or more					

See pages 40 to 56 for mass and dimensions.

■ Contact a Tsubaki representative regarding models with dimensions not shown in this catalog.

■ Sizes, numbers of strands, numbers of teeth, and hub dimensions other than those shown above available.

Optional (made-to-order)

RS Sprocket TOUGH TOOTH Special Coating Specifications

A special coating gives the teeth better wear resistance. Effective in harsh operating environments where sprocket replacement frequency is high.

Shaft Bore Finishing Service

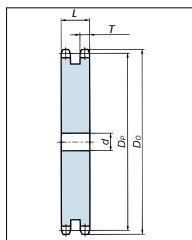
Optional shaft bore finishing service available.

Sprocket with Pre-assembled Shaft

We can quote you for a shaft based on your drawings, manufacture it, and supply it together with your sprocket pre-assembled. By also requesting inspection records, you can reduce inspection/assembly man-hours and cost. (See page 173.)



Sprockets RS Sprocket 2A Type



2A Sprocket Teeth and Lateral Width Dimensions

Type	Width L	Tooth width T
RS40-2A	21.5	7.1
RS50-2A	26.8	8.7
RS60-2A	34.5	11.7
RS80-2A	43.9	14.6
RS100-2A	53.4	17.6
RS120-2A	68.9	23.5

RS40

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material
RS40-2A35T	141.68	149	16	2.4	Machine-structural carbon steel ³
RS40-2A36T	145.72	153	16	2.5	
RS40-2A38T	153.79	161	16	2.8	
RS40-2A40T	161.87	169	16	3.1	
RS40-2A42T	169.94	177	16	3.5	
RS40-2A45T	182.06	189	18	4.0	
RS40-2A48T	194.18	201	18	4.6	
RS40-2A50T	202.26	209	18	5.0	
RS40-2A54T	218.42	226	18	5.8	
RS40-2A60T	242.66	250	18	7.3	

RS60

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material	Bore phase (PCD)
RS60-2A23T	139.90	150	18	3.5	Machine-structural carbon steel ³	
RS60-2A24T	145.95	156	18	3.8		
RS60-2A25T	151.99	162	18	4.2		
RS60-2A26T	158.04	168	18	4.6		
RS60-2A27T	164.09	174	18	4.9		
RS60-2A28T	170.14	180	18	5.4		
RS60-2A30T	182.25	193	18	6.2		
RS60-2A32T	194.35	205	18	7.1		
RS60-2A34T	206.46	217	18	8.1		
RS60-2A35T	212.52	223	18	8.6		
RS60-2A36T	218.57	229	18	9.1		
RS60-2A38T	230.69	241	18	10.2		
RS60-2A40T	242.80	253	18	11.4		
RS60-2A42T	254.92	266	23	12.6		
RS60-2A45T	273.09	284	23	14.5		
RS60-2A48T	291.27	302	23	16.6		
RS60-2A50T	303.39	314	23	18.1		
RS60-2A54T	327.63	338	23	21.2		
RS60-2A60T	363.99	375	23	26.2		293

RS100

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material	Bore phase (PCD)
RS100-2A15T	152.71	168	28	5.8	Machine-structural carbon steel ³	
RS100-2A16T	162.75	179	28	6.8		
RS100-2A17T	172.79	189	28	7.8		
RS100-2A18T	182.84	199	28	8.8		
RS100-2A19T	192.90	209	28	10.0		
RS100-2A20T	202.96	220	28	11.2		
RS100-2A21T	213.03	230	28	12.4		
RS100-2A22T	223.10	240	33	13.7		
RS100-2A23T	233.17	250	33	15.0		
RS100-2A24T	243.25	260	33	16.5		
RS100-2A25T	253.32	270	33	18.1		
RS100-2A26T	263.41	281	33	19.7		
RS100-2A27T	273.49	291	33	21.3		
RS100-2A28T	283.57	301	33	23.0		
RS100-2A30T	303.75	321	33	26.8		
RS100-2A32T	323.92	341	33	30.3		224
RS100-2A34T	344.10	362	33	34.5		245
RS100-2A35T	354.20	372	33	36.7		255
RS100-2A36T	364.29	382	33	38.9	Rolled steel ⁴	365
RS100-2A38T	384.48	402	33	43.7		285
RS100-2A40T	404.67	422	33	48.7		305
RS100-2A42T	424.86	443	33	53.9		326
RS100-2A45T	455.15	473	33	62.4		356
RS100-2A48T	485.45	503	33	71.4		386
RS100-2A50T	505.65	524	33	77.7		407
RS100-2A54T	546.05	564	33	91.2		447
RS100-2A60T	606.66	625	33	113.4		508

Model numbering example

RS40 -2A 35T

Size Number of strands and hub type Number of teeth

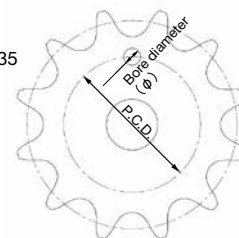
Model numbering example (hardened teeth)

RS40 -2A 35T Q

Size Number of strands and hub type Number of teeth Hardened teeth

Hanging hole dimensions

Bore diameter: RS60/RS80: $\phi 30$,
RS100, RS120: $\phi 35$



The phase relationship between hanging hole and teeth may differ from the drawing.

RS50

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material
RS50-2A26T	131.70	140	18	2.4	Machine-structural carbon steel ³
RS50-2A27T	136.74	145	18	2.6	
RS50-2A28T	141.79	150	18	2.8	
RS50-2A30T	151.87	161	18	3.3	
RS50-2A32T	161.96	171	18	3.8	
RS50-2A34T	172.05	181	18	4.3	
RS50-2A35T	177.10	186	18	4.6	
RS50-2A36T	182.15	191	18	4.9	
RS50-2A38T	192.24	201	18	5.5	
RS50-2A40T	202.33	211	23	6.0	
RS50-2A42T	212.43	221	23	6.7	
RS50-2A45T	227.58	237	23	7.7	
RS50-2A48T	242.73	252	23	8.9	
RS50-2A50T	252.82	262	23	9.7	
RS50-2A54T	273.03	282	23	11.3	
RS50-2A60T	303.33	312	23	14.1	

RS80

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material	Bore phase (PCD)
RS80-2A18T	146.27	159	23	4.6	Machine-structural carbon steel ³	
RS80-2A19T	154.32	167	23	5.2		
RS80-2A20T	162.37	176	23	5.8		
RS80-2A21T	170.42	184	23	6.5		
RS80-2A22T	178.48	192	28	7.1		
RS80-2A23T	186.54	200	28	7.9		
RS80-2A24T	194.60	208	28	8.6		
RS80-2A25T	202.66	216	28	9.4		
RS80-2A26T	210.72	224	28	10.2		
RS80-2A27T	218.79	233	28	11.1		
RS80-2A28T	226.86	241	28	12.0		
RS80-2A30T	243.00	257	28	14.0		
RS80-2A32T	259.14	273	28	16.0		
RS80-2A34T	275.28	289	28	18.2		
RS80-2A35T	283.36	297	28	19.4		
RS80-2A36T	291.43	306	28	20.6		
RS80-2A38T	307.58	322	28	23.0		
RS80-2A40T	323.74	338	33	25.4	Rolled steel ⁴	242
RS80-2A42T	339.89	354	33	28.1		258
RS80-2A45T	364.12	378	33	32.5		283
RS80-2A48T	388.36	403	33	37.3		307
RS80-2A50T	404.52	419	33	40.6		323
RS80-2A54T	436.84	451	33	47.7		355
RS80-2A60T	485.33	500	33	59.4		404

RS120

Model number	Pitch circle dia. D_p	Outer dia. (Do)	Pilot bore dia. d	Approx. mass kg	Material	Bore phase (PCD)
RS120-2A14T	171.22	190	28	9.6	Machine-structural carbon steel ³	
RS120-2A15T	183.25	202	33	11.1		
RS120-2A16T	195.29	214	33	12.9		
RS120-2A17T	207.35	227	33	14.7		
RS120-2A18T	219.41	239	33	16.7		
RS120-2A19T	231.48	251	33	18.8		
RS120-2A20T	243.55	263	33	21.1		
RS120-2A21T	255.63	276	33	23.5		
RS120-2A22T	267.72	288	33	25.9		
RS120-2A23T	279.80	300	33	28.5		
RS120-2A24T	291.90	312	33	31.3		
RS120-2A25T	303.99	324	33	34.2		
RS120-2A26T	316.09	337	33	37.2		
RS120-2A27T	328.19	349	33	40.3		
RS120-2A28T	340.29	361	33	43.5		
RS120-2A30T	364.49	385	33	49.9	Rolled steel ⁴	258
RS120-2A32T	388.71	410	33	57.2		382
RS120-2A34T	412.93	434	33	65.0		307
RS120-2A35T	425.04	446	33	69.1		319
RS120-2A36T	437.15	458	38	73.2		331
RS120-2A38T	461.37	483	38	82.1		355
RS120-2A40T	485.60	507	38	91.3		380
RS120-2A42T	509.83	531	38	101.2		404
RS120-2A45T	546.19	568	38	116.9		440
RS120-2A48T	582.54	604	38	133.6		477
RS120-2A50T	606.78	628	38	145.5		501
RS120-2A54T	655.26	677	38	170.6		550
RS120-2A60T	727.99	750	38	212.0		623

Note: 1. Maximum bore diameters shown are standard figures. Decide and confirm bore diameters and key surface pressures based on standard machinery design.

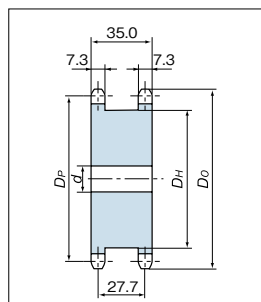
2. Sprockets shown with hole positions come with a hanging hole on the sprocket plate. Refer to the diagram above for hanging hole dimensions.

*3. Hardened teeth are also available. *4. Hardened teeth are made-to-order. 5. All items are made-to-order.

Sprockets RS Sprocket Single Dual Type

Two strands of single strand chain can be mounted simultaneously

RS40 SD Type



Model numbering example

RS40-SD 15T Q

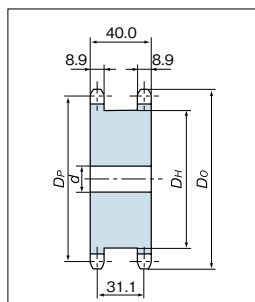
Single Dual Number of teeth Hardened teeth

All models have hardened teeth.

Model number	Pitch circle dia. D_p	(Outer dia.) (D_o)	Bore dia. d		Hub		Approx. mass kg
			Pilot bore	Max.	Diameter D_H	Length L	
RS40-SD12T Q	49.07	55	9.5	19	34	35	0.34
RS40-SD13T Q	53.07	59	12.7	22	38	35	0.40
RS40-SD14T Q	57.07	63	12.7	24	42	35	0.48
RS40-SD15T Q	61.08	67	12.7	27	46	35	0.56
RS40-SD16T Q	65.10	71	12.7	31	50	35	0.66
RS40-SD17T Q	69.12	76	12.7	34	54	35	0.76
RS40-SD18T Q	73.14	80	12.7	38	59	35	0.88
RS40-SD19T Q	77.16	84	12.7	41	63	35	0.99
RS40-SD20T Q	81.18	88	12.7	44	67	35	1.12
RS40-SD21T Q	85.21	92	12.7	47	71	35	1.24
RS40-SD22T Q	89.24	96	12.7	50	75	35	1.38
RS40-SD23T Q	93.27	100	12.7	51	78	35	1.50
RS40-SD24T Q	97.30	104	12.7	55	83	35	1.67
RS40-SD25T Q	101.33	108	12.7	58	87	35	1.83
Material/specifications		Machine-structural carbon steel, machined					

Contact a Tsubaki representative for teeth numbers not shown above.

RS50 SD Type



Model numbering example

RS50-SD 15T Q

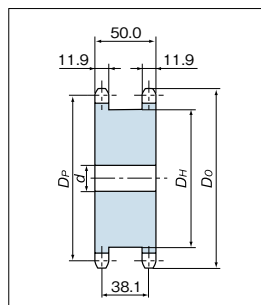
Single Dual Number of teeth Hardened teeth

All models have hardened teeth.

Model number	Pitch circle dia. D_p	(Outer dia.) (D_o)	Bore dia. d		Hub		Approx. mass kg
			Pilot bore	Max.	Diameter D_H	Length L	
RS50-SD12T Q	61.34	69	12.7	25	43	40	0.62
RS50-SD13T Q	66.33	74	12.7	29	48	40	0.75
RS50-SD14T Q	71.34	79	12.7	33	53	40	0.90
RS50-SD15T Q	76.35	84	12.7	37	58	40	1.05
RS50-SD16T Q	81.37	89	12.7	41	63	40	1.22
RS50-SD17T Q	86.39	94	12.7	44	68	40	1.40
RS50-SD18T Q	91.42	100	12.7	48	73	40	1.60
RS50-SD19T Q	96.45	105	15.9	52	79	40	1.80
RS50-SD20T Q	101.48	110	15.9	56	84	40	2.02
RS50-SD21T Q	106.51	115	15.9	60	89	40	2.25
RS50-SD22T Q	111.55	120	15.9	62	92	40	2.44
RS50-SD23T Q	116.59	125	15.9	67	99	40	2.75
RS50-SD24T Q	121.62	130	15.9	70	102	40	2.96
RS50-SD25T Q	126.66	135	15.9	75	109	40	3.30
Material/specifications		Machine-structural carbon steel, machined					

Contact a Tsubaki representative for teeth numbers not shown above.

RS60 SD Type



Model numbering example

RS60-SD 15T Q

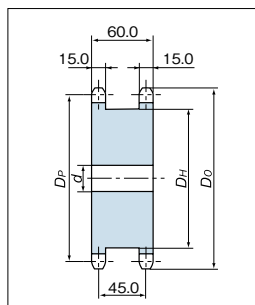
Single Dual Number of teeth Hardened teeth

All models have hardened teeth.

Model number	Pitch circle dia. D_p	(Outer dia.) (D_o)	Bore dia. d		Hub		Approx. mass kg
			Pilot bore	Max.	Diameter D_H	Length L	
RS60-SD12T Q	73.60	83	12.7	31	51	50	1.16
RS60-SD13T Q	79.60	89	15.9	36	57	50	1.37
RS60-SD14T Q	85.61	95	15.9	42	64	50	1.65
RS60-SD15T Q	91.63	101	15.9	46	70	50	1.93
RS60-SD16T Q	97.65	107	15.9	50	76	50	2.24
RS60-SD17T Q	103.67	113	15.9	55	82	50	2.57
RS60-SD18T Q	109.70	119	15.9	59	88	50	2.92
RS60-SD19T Q	115.74	126	15.9	64	94	50	3.29
RS60-SD20T Q	121.78	132	15.9	68	100	50	3.69
RS60-SD21T Q	127.82	138	15.9	74	107	50	4.14
RS60-SD22T Q	133.86	144	15.9	78	113	50	4.58
RS60-SD23T Q	139.90	150	18	82	119	50	5.02
RS60-SD24T Q	145.95	156	18	87	125	50	5.51
RS60-SD25T Q	151.99	162	18	91	130	50	5.98
Material/specifications		Machine-structural carbon steel, machined					

Contact a Tsubaki representative for teeth numbers not shown above.

RS80 SD Type



Model numbering example

RS80-SD 15T Q

Single Dual Number of teeth Hardened teeth

All models have hardened teeth.

Model number	Pitch circle dia. D_p	(Outer dia.) (D_o)	Bore dia. d		Hub		Approx. mass kg
			Pilot bore	Max.	Diameter D_H	Length L	
RS80-SD12T Q	98.14	110	20	45	69	60	2.5
RS80-SD13T Q	106.14	118	20	50	77	60	3.0
RS80-SD14T Q	114.15	127	20	55	85	60	3.6
RS80-SD15T Q	122.17	135	20	63	93	60	4.2
RS80-SD16T Q	130.20	143	20	70	102	60	4.9
RS80-SD17T Q	138.23	151	20	74	110	60	5.6
RS80-SD18T Q	146.27	159	20	80	118	60	6.4
Material/specifications		Machine-structural carbon steel, machined					

Contact a Tsubaki representative for teeth numbers not shown above.

All models stocked.

Note: Maximum bore diameters shown are standard figures. Decide and confirm bore diameters and key surface pressures based on standard machinery design.

Before Use

Standard Roller Chains

Lube-Free Roller Chains

Heavy Duty Roller Chains

Corrosion Resistant Roller Chains

Specialty Roller Chains

Sprockets

Pin Gear Drives

Accessories

Handling

Sprockets RS Sprocket Stainless Steel Type



Stainless steel type

Uses stainless steel for superb corrosion resistance.
Also highly resistant to high and low temperatures for use in special environments.

Applicable chain sizes : RS11, RS25 to RS80

Hub type : 1B (single hub) (1B or 1C for RS11 only)

Wear-resistant Series

Recommended sprocket for HS Series stainless steel chain. Has better wear resistance than stainless steel sprocket. Also suitable as a measure against wear in stainless steel chains.

Applicable chain sizes : RS40 to RS80

Hub type : 1B (single hub)

Model numbering example

RS35-1 B 13T - SS

Size and
Number of
strands

Number of
teeth

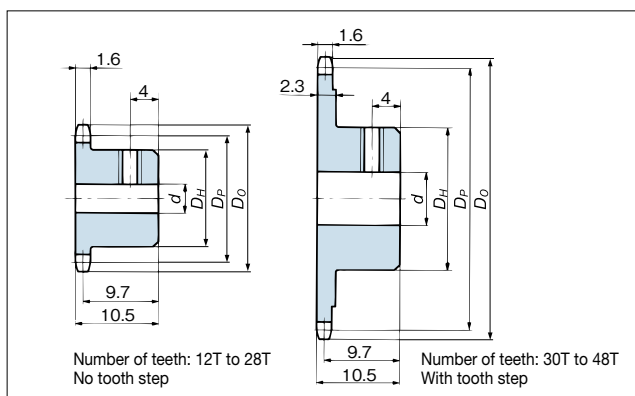
Hub type
B : Single hub
C : Dual hub (RS11 only)

Series

SS : Stainless steel
SST : Wear resistant

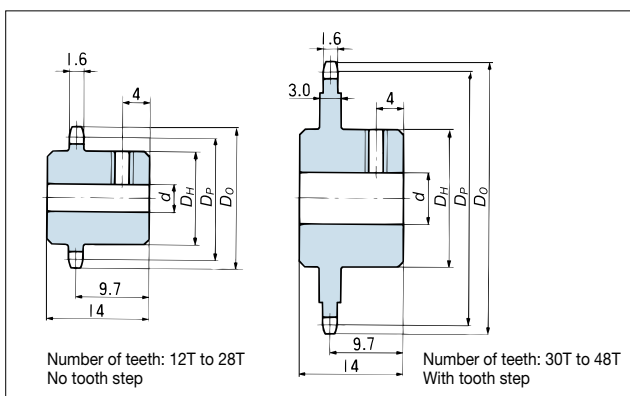
RS11 1B Type

Applicable chain pitch: 3.7465mm Roller dia.: 2.285mm



RS11 1C Type

Applicable chain pitch: 3.7465mm Roller dia.: 2.285mm



(Be aware that no set screws are provided.)

Model number	Number of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub dia. D_H	Set screw hole	1B	1C
				Pilot bore	Max.			Approx. mass g	Approx. mass g
RS11-1■12T-SS	12	14.475	16.2	4	6	9.4	M3×0.5	5.9	7.4
RS11-1■15T-SS	15	18.020	19.9	4	9	13		11.5	14.7
RS11-1■16T-SS	16	19.204	21.1	4	9	14		13.5	17.3
RS11-1■18T-SS	18	21.575	23.5	4	11	16		17.7	22.8
RS11-1■20T-SS	20	23.949	25.9	6	13	19		23.3	30.8
RS11-1■24T-SS	24	28.703	30.7	6	13	19	M4×0.7	25.7	32.7
RS11-1■28T-SS	28	33.462	35.5	6	13	19		28.7	35.7
RS11-1■30T-SS	30	35.842	37.9	6	13	19		29.7	39.3
RS11-1■34T-SS	34	40.604	42.7	6	13	19		37.9	48.9
RS11-1■36T-SS	36	42.986	45.1	6	13	19		40.7	52.4
RS11-1■40T-SS	40	47.751	49.8	6	13	19		46.5	59.9
RS11-1■48T-SS	48	57.283	59.4	6	13	19		60.5	77.8
Material/specifications	Machined stainless steel								

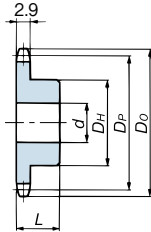
Indicate hub type (B or C) in the ■ in the table above.

All models stocked.

Note: Maximum bore diameters shown are standard figures. Decide and confirm bore diameters and key surface pressures based on standard machinery design.

RS25 1B Type

Applicable chain pitch: 6.35mm Roller dia.: 3.3mm



Model number	No. of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS25-1B10T-SS	10	20.55	23	6	9	14	15	0.02
RS25-1B11T-SS	11	22.54	25	6	10	16	15	0.03
RS25-1B12T-SS	12	24.53	28	6	11	18	15	0.04
RS25-1B13T-SS	13	26.53	30	6	12	20	15	0.05
RS25-1B14T-SS	14	28.54	32	6	12	20	15	0.06
RS25-1B15T-SS	15	30.54	34	6	12	20	20	0.07
RS25-1B16T-SS	16	32.55	36	8	15	25	20	0.08
RS25-1B17T-SS	17	34.56	38	8	15	25	20	0.09
RS25-1B18T-SS	18	36.57	40	8	15	25	20	0.10
RS25-1B19T-SS	19	38.58	42	8	15	25	20	0.10
RS25-1B20T-SS	20	40.59	44	8	15	25	20	0.10
RS25-1B21T-SS	21	42.61	46	10	18	30	20	0.12
RS25-1B22T-SS	22	44.62	48	10	18	30	20	0.13
RS25-1B23T-SS	23	46.63	50	10	18	30	20	0.13
RS25-1B24T-SS	24	48.65	52	10	21	35	20	0.15
RS25-1B25T-SS	25	50.66	54	10	21	35	20	0.16
RS25-1B26T-SS	26	52.68	56	10	25	40	20	0.17
RS25-1B27T-SS	27	54.70	58	10	25	40	20	0.20
RS25-1B28T-SS	28	56.71	60	10	25	40	20	0.21
RS25-1B30T-SS	30	60.75	64	12	28	45	20	0.23
RS25-1B32T-SS	32	64.78	68	12	31	50	20	0.40
RS25-1B34T-SS	34	68.82	72	12	31	50	20	0.41
RS25-1B35T-SS	35	70.84	74	12	31	50	20	0.41
RS25-1B36T-SS	36	72.86	76	12	31	50	20	0.42
RS25-1B38T-SS	38	76.90	80	12	31	50	22	0.43
RS25-1B40T-SS	40	80.93	84	12	31	50	22	0.45
Material/specifications		Machined stainless steel						

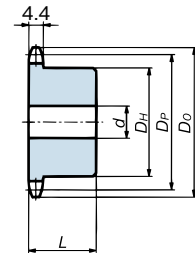
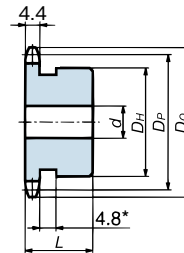
All models stocked.

RS35 1B Type

Applicable chain pitch: 9.525mm Roller dia.: 5.08mm

Hub with groove (10T to 13T)

Hub without groove (14T and over)



No. of teeth : Hub dia. : Groove dia.

10T : $\phi 25$: $\phi 18$ 11T : $\phi 27$: $\phi 22$ 12T : $\phi 31$: $\phi 24$ 13T : $\phi 32$: $\phi 28$

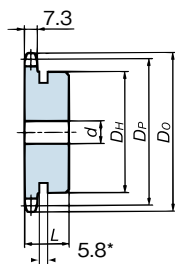
*The groove is provided on the hub perimeter to prevent sprocket-chain interference.

Model number	No. of Teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS35-1B10T-SS	10	30.82	35	8	12	25	20	0.08
RS35-1B11T-SS	11	33.81	38	8	14	27	20	0.09
RS35-1B12T-SS	12	36.80	41	8	16.5	31	20	0.12
RS35-1B13T-SS	13	39.80	44	9.5	18	32	20	0.12
RS35-1B14T-SS	14	42.80	47	9.5	16.5	30	20	0.12
RS35-1B15T-SS	15	45.81	51	9.5	19	35	20	0.16
RS35-1B16T-SS	16	48.82	54	9.5	20	37	20	0.19
RS35-1B17T-SS	17	51.84	57	9.5	24	41	20	0.22
RS35-1B18T-SS	18	54.85	60	9.5	24.5	44	20	0.25
RS35-1B19T-SS	19	57.87	63	9.5	28.5	47	20	0.28
RS35-1B20T-SS	20	60.89	66	9.5	30	50	20	0.32
RS35-1B21T-SS	21	63.91	69	9.5	32	53	20	0.36
RS35-1B22T-SS	22	66.93	72	9.5	32	53	20	0.37
RS35-1B23T-SS	23	69.95	75	9.5	32	53	20	0.40
RS35-1B24T-SS	24	72.97	78	9.5	32	53	22	0.43
RS35-1B25T-SS	25	76.00	81	12.7	32	53	22	0.44
RS35-1B26T-SS	26	79.02	84	12.7	32	53	22	0.45
RS35-1B27T-SS	27	82.05	87	12.7	32	53	22	0.46
RS35-1B28T-SS	28	85.07	90	12.7	32	53	22	0.48
RS35-1B30T-SS	30	91.12	96	12.7	32	53	22	0.51
RS35-1B32T-SS	32	97.18	102	12.7	32	53	22	0.54
RS35-1B34T-SS	34	103.23	109	12.7	32	53	22	0.57
RS35-1B35T-SS	35	106.26	112	12.7	32	53	22	0.59
RS35-1B36T-SS	36	109.29	115	12.7	32	53	22	0.61
RS35-1B38T-SS	38	115.34	121	13	42	63	25	0.82
RS35-1B40T-SS	40	121.40	127	13	42	63	25	0.85
Material/specifications		Machined stainless steel						

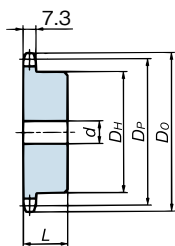
RS40 1B Type

Applicable chain pitch: 12.70mm Roller dia.: 7.92mm

Hub with groove (10T to 12T)



Hub without groove (13T and over)



No. of teeth : Hub dia. : Groove dia.

10T : $\phi 32$: $\phi 25$

11T : $\phi 37$: $\phi 30$

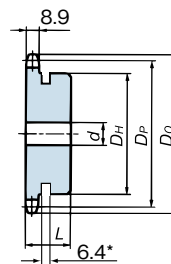
12T : $\phi 40$: $\phi 32$

*The groove is provided on the hub perimeter to prevent sprocket-chain interference.

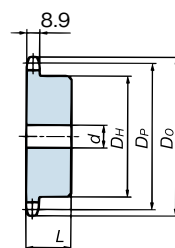
RS50 1B Type

Applicable chain pitch: 15.875mm Roller dia.: 10.16mm

Hub with groove (10T to 13T)



Hub without groove (14T to 40T)



No. of teeth : Hub dia. : Groove dia.

10T : $\phi 40$: $\phi 32$

11T : $\phi 46$: $\phi 37$

12T : $\phi 51$: $\phi 42$

13T : $\phi 51$: $\phi 47$

*The groove is provided on the hub perimeter to prevent sprocket-chain interference.

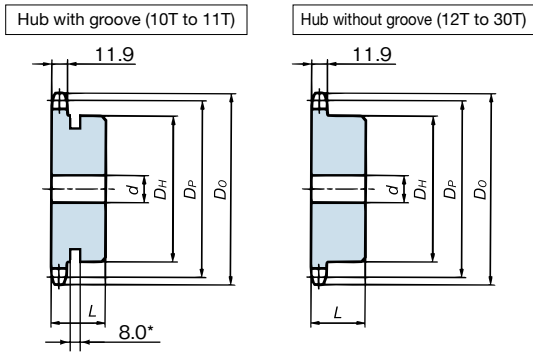
Model number	No. of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS40-1B10T-SS	10	41.10	47	9.5	16.5	32	22	0.14
RS40-1B11T-SS	11	45.08	51	9.5	20	37	22	0.19
RS40-1B12T-SS	12	49.07	55	9.5	22	40	22	0.22
RS40-1B13T-SS	13	53.07	59	9.5	20	37	22	0.23
RS40-1B14T-SS	14	57.07	63	9.5	24	42	22	0.28
RS40-1B15T-SS	15	61.08	67	9.5	28.5	46	22	0.34
RS40-1B16T-SS	16	65.10	71	12.7	30	50	22	0.40
RS40-1B17T-SS	17	69.12	76	12.7	32	54	22	0.46
RS40-1B18T-SS	18	73.14	80	12.7	35	57	22	0.51
RS40-1B19T-SS	19	77.16	84	12.7	39.5	62	22	0.59
RS40-1B20T-SS	20	81.18	88	12.7	45.5	67	25	0.76
RS40-1B21T-SS	21	85.21	92	12.7	45.5	71	25	0.85
RS40-1B22T-SS	22	89.24	96	12.7	50	75	25	0.95
RS40-1B23T-SS	23	93.27	100	12.7	50	77	25	1.0
RS40-1B24T-SS	24	97.30	104	12.7	42	63	25	0.84
RS40-1B25T-SS	25	101.33	108	12.7	42	63	25	0.88
RS40-1B26T-SS	26	105.36	112	12.7	42	63	25	0.92
RS40-1B27T-SS	27	109.40	116	12.7	42	63	25	0.96
RS40-1B28T-SS	28	113.43	120	12.7	42	63	25	1.0
RS40-1B30T-SS	30	121.50	128	12.7	42	63	25	1.1
RS40-1B32T-SS	32	129.57	137	16	45	68	28	1.3
RS40-1B34T-SS	34	137.64	145	16	45	68	28	1.3
RS40-1B35T-SS	35	141.68	149	16	45	68	28	1.4
RS40-1B36T-SS	36	145.72	153	16	45	68	28	1.4
RS40-1B38T-SS	38	153.79	161	16	45	68	28	1.5
RS40-1B40T-SS	40	161.87	169	16	45	68	28	1.6
Material/specifications		Machined stainless steel						

Model number	No. of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS50-1B10T-SS	10	51.37	58	9.5	22	40	25	0.27
RS50-1B11T-SS	11	56.35	64	12.7	25	46	25	0.33
RS50-1B12T-SS	12	61.34	69	12.7	32	51	25	0.41
RS50-1B13T-SS	13	66.33	74	12.7	32	51	25	0.46
RS50-1B14T-SS	14	71.34	79	12.7	32	52	25	0.52
RS50-1B15T-SS	15	76.35	84	12.7	35	57	25	0.62
RS50-1B16T-SS	16	81.37	89	12.7	40	62	25	0.72
RS50-1B17T-SS	17	86.39	94	12.7	45.5	67	25	0.83
RS50-1B18T-SS	18	91.42	100	12.7	47.5	72	28	1.0
RS50-1B19T-SS	19	96.45	105	12.7	47.5	73	28	1.1
RS50-1B20T-SS	20	101.48	110	12.7	47.5	73	28	1.2
RS50-1B21T-SS	21	106.51	115	15.9	47.5	73	28	1.2
RS50-1B22T-SS	22	111.55	120	15.9	47.5	73	28	1.3
RS50-1B23T-SS	23	116.59	125	15.9	47.5	73	28	1.3
RS50-1B24T-SS	24	121.62	130	15.9	47.5	73	28	1.4
RS50-1B25T-SS	25	126.66	135	15.9	47.5	73	28	1.5
RS50-1B26T-SS	26	131.70	140	18	48	73	28	1.5
RS50-1B27T-SS	27	136.74	145	18	48	73	28	1.5
RS50-1B28T-SS	28	141.79	150	18	48	73	28	1.6
RS50-1B30T-SS	30	151.87	161	18	48	73	28	1.8
RS50-1B32T-SS	32	161.96	171	18	48	73	28	1.9
RS50-1B34T-SS	34	172.05	181	18	48	73	28	2.1
RS50-1B35T-SS	35	177.10	186	18	48	73	28	2.2
RS50-1B36T-SS	36	182.15	191	23	55	83	35	2.7
RS50-1B38T-SS	38	192.24	201	23	55	83	35	2.9
RS50-1B40T-SS	40	202.33	211	23	55	83	35	3.1
Material/specifications		Machined stainless steel						

All models stocked.

RS60 1B Type

Applicable chain pitch: 19.05mm Roller dia.: 11.91mm



No. of teeth : Hub dia. : Groove dia.
 10T : $\phi 49$: $\phi 37$
 11T : $\phi 51$: $\phi 45$

*The groove is provided on the hub perimeter to prevent sprocket-chain interference.

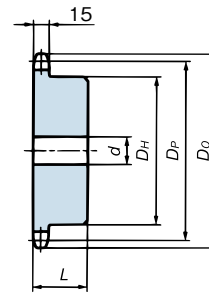
Model number	No. of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS60-1B10T-SS	10	61.65	70	12.7	30	49	32	0.49
RS60-1B11T-SS	11	67.62	76	12.7	32	51	32	0.60
RS60-1B12T-SS	12	73.60	83	12.7	32	51	32	0.69
RS60-1B13T-SS	13	79.60	89	15.9	35	57	32	0.81
RS60-1B14T-SS	14	85.61	95	15.9	39.5	62	32	0.96
RS60-1B15T-SS	15	91.63	101	15.9	45.5	68	32	1.1
RS60-1B16T-SS	16	97.65	107	15.9	47.5	73	32	1.3
RS60-1B17T-SS	17	103.67	113	15.9	47.5	73	32	1.4
RS60-1B18T-SS	18	109.70	119	15.9	55	83	40	2.0
RS60-1B19T-SS	19	115.74	126	15.9	55	83	40	2.1
RS60-1B20T-SS	20	121.78	132	15.9	55	83	40	2.2
RS60-1B21T-SS	21	127.82	138	15.9	55	83	40	2.3
RS60-1B22T-SS	22	133.86	144	15.9	55	83	40	2.5
RS60-1B23T-SS	23	139.90	150	18	55	83	40	2.5
RS60-1B24T-SS	24	145.95	156	18	55	83	40	2.6
RS60-1B25T-SS	25	151.99	162	18	55	83	40	2.7
RS60-1B26T-SS	26	158.04	168	18	55	83	40	2.9
RS60-1B27T-SS	27	164.09	174	18	55	83	40	3.0
RS60-1B28T-SS	28	170.14	180	18	55	83	40	3.1
RS60-1B30T-SS	30	182.25	193	18	55	83	40	3.4

Material/specifications

Machined stainless steel

RS80 1B Type

Applicable chain pitch: 25.40mm Roller dia.: 15.88mm



Model number	No. of teeth	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
				Pilot bore	Max.	Dia. D_H	Length L	
RS80-1B10T-SS	10	82.20	93	15.9	32	52	40	0.97
RS80-1B11T-SS	11	90.16	102	15.9	38	60	40	1.2
RS80-1B12T-SS	12	98.14	110	19	45	67	40	1.5
RS80-1B13T-SS	13	106.14	118	19	50	77	40	1.9
RS80-1B14T-SS	14	114.15	127	19	50	77	40	2.0
RS80-1B15T-SS	15	122.17	135	19	63	93	40	2.6
RS80-1B16T-SS	16	130.20	143	19	63	93	40	2.8
RS80-1B17T-SS	17	138.23	151	19	63	93	40	3.0
RS80-1B18T-SS	18	146.27	159	19	63	93	40	3.2
RS80-1B19T-SS	19	154.32	167	23	63	93	40	3.4
RS80-1B20T-SS	20	162.37	176	23	63	93	40	3.6
RS80-1B21T-SS	21	170.42	184	23	63	93	40	3.8
RS80-1B22T-SS	22	178.48	192	28	75	107	45	4.8
RS80-1B23T-SS	23	186.54	200	28	75	107	45	5.1
RS80-1B24T-SS	24	194.60	208	28	75	107	45	5.4
RS80-1B25T-SS	25	202.66	216	28	75	107	45	5.6

Material/specifications

Machined stainless steel

All models stocked.

Sprockets RS Sprocket Engineering Plastic Type



Engineering plastic type

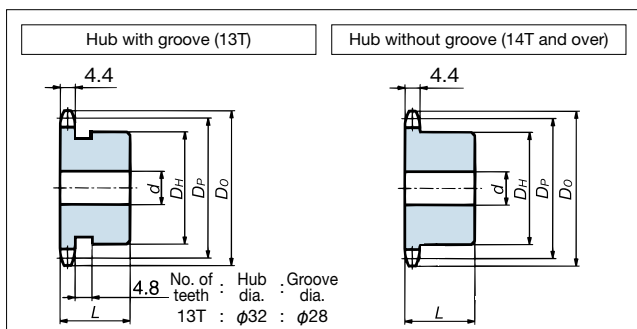
Uses a special MC901 nylon plastic (blue). Allows for lube-free operation.

(Chain speed less than 70 m/min recommended. Can be used up to 150 m/min in lubricated conditions.)

Available chain sizes : RS35 to RS60

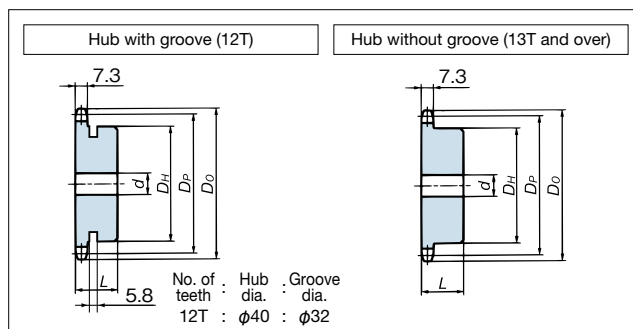
Hub type : 1B

RS35



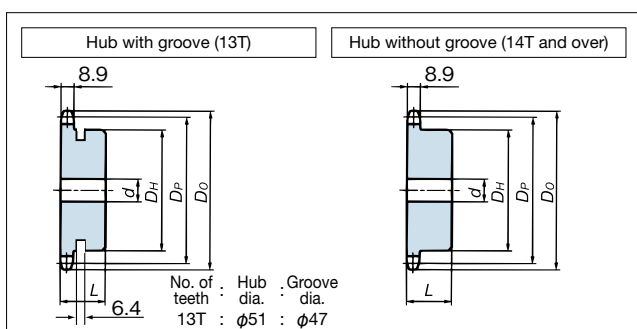
Model number	No. of teeth	Allowable transmission torque N·m	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
					Pilot bore	Max.	Dia. D_H	Length L	
RS35-1B13T-P	13	5.30	39.80	44	9.5	14	32	20	0.02
RS35-1B14T-P	14	5.69	42.80	46	9.5	15	30	20	0.02
RS35-1B15T-P	15	6.08	45.81	51	9.5	17	35	20	0.02
RS35-1B16T-P	16	6.47	48.82	53	9.5	19	37	20	0.03
RS35-1B17T-P	17	6.86	51.84	57	9.5	22	41	20	0.03
RS35-1B18T-P	18	7.26	54.85	60	12.7	22	44	20	0.04
RS35-1B20T-P	20	8.04	60.89	66	12.7	27	50	20	0.05
RS35-1B22T-P	22	8.83	66.93	72	12.7	28	53	20	0.06
RS35-1B24T-P	24	9.71	72.97	78	12.7	32	60	22	0.08
RS35-1B25T-P	25	10.1	76.00	81	12.7	32	60	22	0.08
RS35-1B26T-P	26	10.5	79.02	83	12.7	35	65	22	0.09
RS35-1B28T-P	28	11.3	85.07	90	12.7	40	70	22	0.10
RS35-1B30T-P	30	12.1	91.12	96	12.7	42	75	22	0.12

RS40



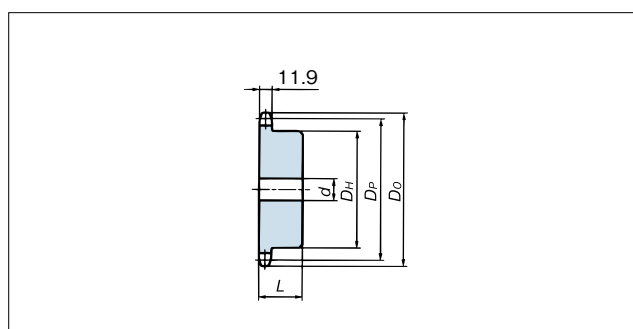
Model number	No. of teeth	Allowable transmission torque N·m	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx mass kg
					Pilot bore	Max.	Dia. D_H	Length L	
RS40-1B12T-P	12	10.8	49.07	53	9.5	16	40	22	0.03
RS40-1B13T-P	13	11.7	53.07	58	12.7	18	37	22	0.04
RS40-1B14T-P	14	12.6	57.07	63	12.7	22	42	22	0.04
RS40-1B15T-P	15	13.4	61.08	67	12.7	25	46	22	0.05
RS40-1B16T-P	16	14.3	65.10	71	12.7	27	50	22	0.06
RS40-1B17T-P	17	15.3	69.12	75	12.7	28	54	22	0.07
RS40-1B18T-P	18	16.2	73.14	78	12.7	30	57	22	0.08
RS40-1B20T-P	20	17.9	81.18	88	12.7	35	67	25	0.11
RS40-1B22T-P	22	19.6	89.24	96	12.7	42	75	25	0.14
RS40-1B24T-P	24	21.5	97.30	104	12.7	50	80	25	0.16
RS40-1B25T-P	25	22.4	101.33	108	12.7	50	80	25	0.17
RS40-1B26T-P	26	23.2	105.36	112	12.7	52	85	25	0.18
RS40-1B28T-P	28	25.0	113.43	120	12.7	55	90	25	0.21
RS40-1B30T-P	30	26.8	121.50	128	12.7	60	100	25	0.26

RS50



Model number	No. of teeth	Allowable transmission torque N·m	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx. mass kg
					Pilot bore	Max.	Dia. D_H	Length L	
RS50-1B13T-P	13	22.8	66.34	73	12.7	25	51	25	0.07
RS50-1B14T-P	14	24.5	71.34	78	12.7	28	52	25	0.08
RS50-1B15T-P	15	26.2	76.35	83	12.7	30	57	25	0.09
RS50-1B16T-P	16	27.9	81.37	89	12.7	32	62	25	0.11
RS50-1B17T-P	17	29.6	86.39	93	12.7	35	67	25	0.12
RS50-1B18T-P	18	31.4	91.42	98	12.7	40	72	28	0.15
RS50-1B20T-P	20	34.8	101.48	110	15.9	50	80	28	0.20
RS50-1B22T-P	22	38.2	111.55	120	15.9	55	90	28	0.24
RS50-1B24T-P	24	41.8	121.62	130	15.9	60	100	28	0.29
RS50-1B25T-P	25	43.4	126.66	135	15.9	60	100	28	0.31
RS50-1B26T-P	26	45.2	131.70	140	18	65	110	28	0.34
RS50-1B28T-P	28	48.6	141.79	150	18	70	120	28	0.40
RS50-1B30T-P	30	52.2	151.87	161	18	70	120	28	0.43

RS60



Model number	No. of teeth	Allowable transmission torque N·m	Pitch circle dia. D_p	Outer dia. D_o	Bore dia. d		Hub		Approx mass kg
					Pilot bore	Max.	Dia. D_H	Length L	
RS60-1B13T-P	13	41.0	79.60	88	15.9	30	57	32	0.12
RS60-1B14T-P	14	44.1	85.61	93	15.9	32	62	32	0.14
RS60-1B15T-P	15	47.2	91.62	99	15.9	35	68	32	0.16
RS60-1B16T-P	16	50.3	97.65	107	15.9	42	73	32	0.19
RS60-1B17T-P	17	53.3	103.67	113	15.9	50	80	32	0.21
RS60-1B18T-P	18	56.5	109.71	119	15.9	52	85	40	0.30
RS60-1B20T-P	20	62.7	121.78	132	15.9	60	95	40	0.38
RS60-1B22T-P	22	68.9	133.86	144	15.9	65	110	40	0.51
RS60-1B24T-P	24	75.1	145.95	156	18	70	120	40	0.57
RS60-1B25T-P	25	78.3	151.99	162	18	70	120	40	0.59
RS60-1B26T-P	26	81.4	158.04	168	18	70	120	40	0.62
RS60-1B28T-P	28	87.6	170.14	180	18	70	120	40	0.65
RS60-1B30T-P	30	93.8	182.25	193	18	70	120	40	0.70

Items in bold are stocked, while other items are made-to-order.



PT. MASA JAYA PERKASA

M info@masajayaperkasa.com

**Jl. Hayam Wuruk No. 76,
Jakarta Barat, DKI Jakarta 11160**

(+62)21-649-6496

(+62)852-1116-7713