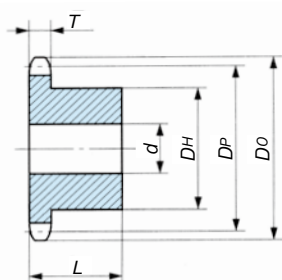


Double Pitch Sprockets

Double Pitch Sprockets (for S Rollers): Steel, Stainless Steel, Engineering Plastic

These are sprockets for Double Pitch chains.



Model Numbering Example

RF2040S -1B 912T -SS

Size/Roller type
No. of strands/Hub type
No. of effective teeth: 912T=9½T
(10T is written as "1000T")

Series
[Blank]: Steel
Q : Hardened teeth
SS : Stainless steel
SST : Wear-resistant stainless steel
P : Engineering plastic

Usage Conditions of Engineering Plastic Sprockets

- Operating temperature range: -10°C to 60°C
- Allowable chain speed: 70 m/min or less (under non-lubricated conditions)
Can be used up to 150 m/min under oil-lubricated conditions or when pre-lubed.
- Refer to page 157 "Corrosion Resistance Guide for Corrosion Resistant Chains and Sprockets" for the foods and chemicals that can be conveyed.

Standard Sprocket	Corrosion Resistant Sprocket		No. of Effective Teeth	No. of Actual Teeth	Pitch Circle Dia. D_p	Outer Dia. D_o	Tooth Width T	Bore Dia. d		Hub			Approx. Mass (kg)	
Steel	Stainless Steel	Engineering Plastic						Pilot Bore	Max.	Dia. D_H		Length L	Steel/ Stainless Steel	
Model No.	Model No.	Model No.								Steel/ Stainless Steel	Engineering Plastic		Steel/ Stainless Steel	Engineering Plastic
RF2040S-1B912T	RF2040S-1B912T-SS	RF2040S-1B912T-P	9 ½	19	78.23	84	7.3	12.7	38	60	60	25	0.6	0.09
RF2040S-1B1012T	RF2040S-1B1012T-SS	RF2040S-1B1012T-P	10 ½	21	86.17	92	7.3	12.7	46	69	69	25	0.8	0.12
RF2040S-1B1112T	RF2040S-1B1112T-SS	RF2040S-1B1112T-P	11 ½	23	94.14	100	7.3	12.7	50	77	77	25	1.0	0.15
RF2040S-1B1200T	RF2040S-1B1200T-SS		12	24	98.14	104	7.3	12.7	42	63		25	0.8	
RF2040S-1B1212T	RF2040S-1B1212T-SS	RF2040S-1B1212T-P	12 ½	25	102.14	108	7.3	12.7	42	63	80	25	0.8	0.16
RF2050S-1B912T	RF2050S-1B912T-SS	RF2050S-1B912T-P	9 ½	19	97.78	105	8.9	15.9	48	73	75	28	1.1	0.16
RF2050S-1B1012T	RF2050S-1B1012T-SS	RF2050S-1B1012T-P	10 ½	21	107.72	115	8.9	15.9	48	73	85	28	1.2	0.21
RF2050S-1B1112T	RF2050S-1B1112T-SS	RF2050S-1B1112T-P	11 ½	23	117.68	125	8.9	15.9	48	73	90	28	1.3	0.24
RF2050S-1B1200T	RF2050S-1B1200T-SS		12	24	122.67	130	8.9	15.9	48	73		28	1.3	
RF2050S-1B1212T	RF2050S-1B1212T-SS	RF2050S-1B1212T-P	12 ½	25	127.67	135	8.9	15.9	48	73	100	28	1.4	0.29
RF2060S-1B912T	RF2060S-1B912T-SS	RF2060S-1B912T-P	9 ½	19	117.34	126	11.9	15.9	55	83	85	40	2.0	0.31
RF2060S-1B1012T	RF2060S-1B1012T-SS	RF2060S-1B1012T-P	10 ½	21	129.26	138	11.9	15.9	55	83	95	40	2.3	0.39
RF2060S-1B1112T	RF2060S-1B1112T-SS	RF2060S-1B1112T-P	11 ½	23	141.22	150	11.9	18	55	83	100	45	2.7	0.49
RF2060S-1B1200T	RF2060S-1B1200T-SS		12	24	147.21	156	11.9	18	55	83		45	2.8	
RF2060S-1B1212T	RF2060S-1B1212T-SS	RF2060S-1B1212T-P	12 ½	25	153.20	162	11.9	18	55	83	120	45	2.9	0.66
RF2080S-1B912T	RF2080S-1B912T-SS		9 ½	19	156.45	167	15	23	63	93		40	3.3	
RF2080S-1B1012T	RF2080S-1B1012T-SS		10 ½	21	172.35	184	15	23	63	93		40	3.7	
RF2080S-1B1112T	RF2080S-1B1112T-SS		11 ½	23	188.29	200	15	28	75	107		45	4.9	
RF2080S-1B1200T	RF2080S-1B1200T-SS		12	24	196.28	208	15	28	75	107		45	5.2	
RF2080S-1B1212T	RF2080S-1B1212T-SS		12 ½	25	204.27	216	15	28	75	107		45	5.5	
RF2100S-1B912T	RF2100S-1B912T-SS		9 ½	19	195.57	209	18	28	75	107		50	5.9	
RF2120S-1B912T	RF2120S-1B912T-SS		9 ½	19	234.68	251	24	33	80	117		63	10.5	
RF2160S-1B912T	RF2160S-1B912T-SS		9 ½	19	312.90	335	30	33	103	147		71	22.0	

Note: 1. Models in shaded areas are made-to-order. All other models are stocked.

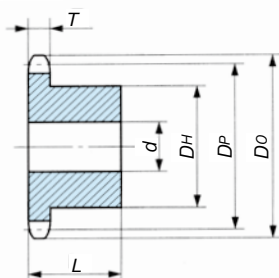
2. Material: Standard sprockets are machine structural carbon steel. Teeth are unhardened on all models.

Corrosion resistant sprockets are stainless steel.

Engineering plastic corrosion resistant sprockets are special-grade MC901 nylon.

Double Pitch Sprockets (for R Rollers): Steel, Stainless Steel

These are sprockets for Double Pitch chains.



Model Numbering Example

RF2050R -1B 1100T -SS

Size/Roller type _____
 No. of strands/Hub type _____
 No. of effective teeth: 1100T=11T

Series [Blank]: Steel
 Q : Hardened teeth
 SS : Stainless steel
 SST : Wear-resistant stainless steel

Standard Sprocket	Corrosion Resistant Sprocket	No. of Effective Teeth	Pitch Circle Dia. D_p	Outer Dia. D_o	Tooth Width T	Bore Dia. d		Hub		Approx. Mass (kg)
Steel	Stainless Steel					Pilot Bore	Max.	Dia. D_H	Length L	
Model No.	Model No.									
RF2040R-1B1000T	RF2040R-1B1000T-SS	10	82.20	93	7.3	12.7	32	52	25	0.5
RF2040R-1B1100T	RF2040R-1B1100T-SS	11	90.16	102	7.3	12.7	42	63	25	0.7
RF2040R-1B1200T	RF2040R-1B1200T-SS	12	98.14	110	7.3	12.7	42	63	25	0.8
RF2040R-1B1300T	RF2040R-1B1300T-SS	13	106.14	118	7.3	12.7	42	63	25	0.9
RF2040R-1B1400T	RF2040R-1B1400T-SS	14	114.15	127	7.3	12.7	42	63	25	0.9
RF2040R-1B1500T	RF2040R-1B1500T-SS	15	122.17	135	7.3	15.9	45	68	28	1.2
RF2040R-1B1600T	RF2040R-1B1600T-SS	16	130.20	143	7.3	15.9	45	68	28	1.2
RF2050R-1B1000T	RF2050R-1B1000T-SS	10	102.75	117	8.9	15.9	48	73	28	1.1
RF2050R-1B1100T	RF2050R-1B1100T-SS	11	112.70	127	8.9	15.9	48	73	28	1.2
RF2050R-1B1200T	RF2050R-1B1200T-SS	12	122.67	138	8.9	18	48	73	28	1.3
RF2050R-1B1300T	RF2050R-1B1300T-SS	13	132.67	148	8.9	18	48	73	28	1.4
RF2050R-1B1400T	RF2050R-1B1400T-SS	14	142.68	158	8.9	18	48	73	28	1.6
RF2050R-1B1500T	RF2050R-1B1500T-SS	15	152.71	168	8.9	18	48	73	28	1.7
RF2050R-1B1600T	RF2050R-1B1600T-SS	16	162.75	179	8.9	18	48	73	28	1.9
RF2060R-1B1000T	RF2060R-1B1000T-SS	10	123.29	140	11.9	18	55	83	45	2.3
RF2060R-1B1100T	RF2060R-1B1100T-SS	11	135.23	153	11.9	18	55	83	45	2.5
RF2060R-1B1200T	RF2060R-1B1200T-SS	12	147.21	165	11.9	18	55	83	45	2.8
RF2060R-1B1300T	RF2060R-1B1300T-SS	13	159.20	177	11.9	18	55	83	45	3.0
RF2060R-1B1400T	RF2060R-1B1400T-SS	14	171.22	190	11.9	18	55	83	45	3.3
RF2060R-1B1500T	RF2060R-1B1500T-SS	15	183.25	202	11.9	18	55	83	45	3.6
RF2060R-1B1600T	RF2060R-1B1600T-SS	16	195.29	214	11.9	18	55	83	45	3.9
RF2080R-1B1000T	RF2080R-1B1000T-SS	10	164.39	187	15	28	75	107	45	4.2
RF2080R-1B1100T	RF2080R-1B1100T-SS	11	180.31	203	15	28	75	107	45	4.7
RF2080R-1B1200T	RF2080R-1B1200T-SS	12	196.28	220	15	28	75	107	45	5.2
RF2080R-1B1300T	RF2080R-1B1300T-SS	13	212.27	237	15	28	75	107	45	5.8
RF2080R-1B1400T	RF2080R-1B1400T-SS	14	228.29	253	15	28	75	107	45	6.4
RF2080R-1B1500T	RF2080R-1B1500T-SS	15	244.33	269	15	28	75	107	45	7.1
RF2080R-1B1600T	RF2080R-1B1600T-SS	16	260.39	286	15	28	75	107	45	7.8
RF2100R-1B1100T		11	225.39	254	18	33	80	117	56	7.8
RF2120R-1B1100T		11	270.47	305	24	45	80	130	80	14.7
RF2160R-1B1100T		11	360.63	407	30	70	115	170	125	35.5

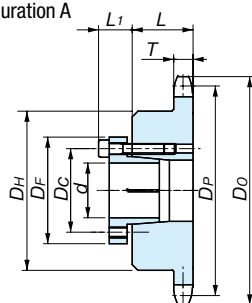
Note: 1. Models in shaded areas are made-to-order. All other models are stocked.

2. Material: Standard sprockets are machine structural carbon steel. Teeth are unhardened on all models.
 Corrosion resistant sprockets are stainless steel.

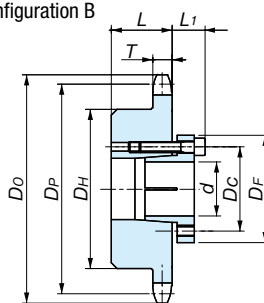
Double Pitch Sprockets

Double Pitch S Type Lock Sprockets (for S Rollers)

Configuration A



Configuration B



◆ S Type Lock Sleeve Dimensions

Sleeve Model No.	D _F	D _C	L ₁	Bolt Size (M×S)	Tightening Torque (N·m)
S1	32.0	24.0	12.0	M4×16	4.2
S2	42.0	32.0	14.0	M5×18	8.3
S3	48.5	38.5	15.5	M5×20	8.3
S4	56.0	46.0	15.5	M5×20	8.3
S5	66.0	56.0	17.5	M5×22	8.3
S6	80.0	68.0	21.0	M6×25	16.8
S7	101.0	86.0	24.5	M8×30	40.5

See page 14 for more information and notes on use.

Model Numbering Example

RF2040S -1B 912T -S2 5 18 A

Size/Roller type

No. of strands/Hub type
No. of effective teeth: 912T=9½T
(10T is written as "1000T")

Configuration A or B
Shaft bore dia.
No. of mounting bolts
Sleeve model no.

Ordering Example

Chain no.: RF2040S
No. of effective teeth: 9 1/2 Configuration: A
Shaft bore: 15 mm

Model Number
RF2040S-1B912T-S2515A

◆ Double Pitch S Roller Shaft Bore Dimensions and Sleeve Models

RF2040S						Shaft Bore Dia. d	15	16	17	18	19	20	22	24	25	28	30	32	35	38	40	42	45	
No. of Effective Teeth	Tooth Width T	PCD D _p	Outer Dia. D _o	Hub Dia. D _H	Hub Length L	Max. Allowable Torque (N·m)	174	186	198	209	221	232	256								442	465	488	523
9 ½	7.3	78.23	84	60	25	Applicable Sleeve Model No. / Dimensions	S2(5) D _F =42.0 D _C =32.0 L ₁ =14.0							S4(4) D _F =56.0 D _C =46.0 L ₁ =15.5							S5(5) D _F =66.0 D _C =56.0 L ₁ =17.5			
10 ½	7.3	86.17	92	69	25																			
11 ½	7.3	94.14	100	77	25																			
12	7.3	98.14	104	63	25																			
12 ½	7.3	102.14	108	63	25																			
RF2050S						Shaft Bore Dia. d	17	18	19	20	22	24	25	28	30	32	35	38	40	42	45			
No. of Effective Teeth	Tooth Width T	PCD D _p	Outer Dia. D _o	Hub Dia. D _H	Hub Length L	Max. Allowable Torque (N·m)	237	251	265	279	307	335	349	391	418	446	488	442	465	488	523			
9 ½	8.9	97.78	105	73	28	Applicable Sleeve Model No. / Dimensions	S2(6) D _F =42.0 D _C =32.0 L ₁ =14.0					S4(6) D _F =56.0 D _C =46.0 L ₁ =15.5							S5(5) D _F =66.0 D _C =56.0 L ₁ =17.5					
10 ½	8.9	107.72	115	73	28																			
11 ½	8.9	117.68	125	73	28																			
12	8.9	122.67	130	73	28																			
12 ½	8.9	127.67	135	73	28																			
RF2060S						Shaft Bore Dia. d	24	25	28	30	32	35	38	40	42	45	48	50	55					
No. of Effective Teeth	Tooth Width T	PCD D _p	Outer Dia. D _o	Hub Dia. D _H	Hub Length L	Max. Allowable Torque (N·m)	446	465	521	558	595	651	883	930	976	1046	1116	1162	1279					
9 ½	11.9	117.34	126	83	40	Applicable Sleeve Model No. / Dimensions	S4(8) D _F =56.0 D _C =46.0 L ₁ =15.5						S5(10) D _F =66.0 D _C =56.0 L ₁ =17.5					S6(6) D _F =80.0 D _C =68.0 L ₁ =21.0						
10 ½	11.9	129.26	138	83	40																			
11 ½	11.9	141.22	150	83	45																			
12	11.9	147.21	156	83	45																			
12 ½	11.9	153.20	162	83	45																			
RF2080S						Shaft Bore Dia. d	38	40	42	45	48	50	55	60	65	70								
No. of Effective Teeth	Tooth Width T	PCD D _p	Outer Dia. D _o	Hub Dia. D _H	Hub Length L	Max. Allowable Torque (N·m)	883	930	976	1046	1116	1162	1279	2140	2319	2497								
9 ½	15	156.45	167	93	40	Applicable Sleeve Model No. / Dimensions	S5(10) D _F =66.0 D _C =56.0 L ₁ =17.5					S6(6) D _F =80.0 D _C =68.0 L ₁ =21.0				S7(5) D _F =101.0 D _C =86.0 L ₁ =24.5								
10 ½	15	172.35	184	93	40																			
11 ½	15	188.29	200	107	45																			
12	15	196.28	208	107	45																			
12 ½	15	204.27	216	107	45																			
RF2100S						Shaft Bore Dia. d	48	50	55	60	65	70												
No. of Effective Teeth	Tooth Width T	PCD D _p	Outer Dia. D _o	Hub Dia. D _H	Hub Length L	Max. Allowable Torque (N·m)	2232	2325	2557	2140	2319	2497												
9 ½	18	195.57	209	107	50	Applicable Sleeve Model No. / Dimensions	S6(12) D _F =80.0 D _C =68.0 L ₁ =21.0				S7(5) D _F =101.0 D _C =86.0 L ₁ =24.5													

Note: 1. Figures inside () are the number of mounting bolts.

2. From the sleeve model number in the table above, see the bolt size and tightening torque of the corresponding sleeve model in the upper right table on this page.



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