

S1

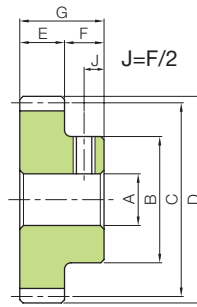
Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998)*
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Helix angle	45°
Material	S45C
Heat treatment	—
Surface treatment	Black oxide coating

* The precision grade of J Series products is equivalent to the value shown in the table.

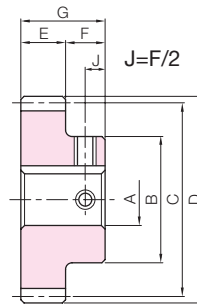
H To order Hardened Plus, please specify **Catalog No. + H**. Example: SN1-13RH

Catalog Number		Module	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque				Backlash (mm)	Weight (kg)	
						A _{H7}	B	C	D	E	F	G	Surface durability		Surface durability 				
													N·m	kgf·m	N·m	kgf·m			
SN1-13R SN1-13L	 	m1	13	R L	S1	6	15	18.38	20.38	10	10	20	0.19	0.019	0.41	0.04	0.08~0.18	0.030	
SN1-15R SN1-15L	 		15	R L			18	21.21	23.21				0.29	0.029	0.62	0.06		0.043	
SN1-20R SN1-20L	 		20	R L			8	25	28.28				30.28	0.66	0.068	1.44		0.15	0.080
SN1-26R SN1-26L	 		26	R L			10	30	36.77				38.77	1.42	0.14	3.08		0.31	0.13
SN1.5-10R SN1.5-10L	 		10	R L			S1	10	16				21.21	24.21	15	10		25	0.29
SN1.5-13R SN1.5-13L	 	13	R L	23	27.58	30.58			0.62	0.063	1.34	0.14	0.088						
SN1.5-15R SN1.5-15L	 	15	R L	25	31.82	34.82			0.93	0.095	2.03	0.21	0.12						
SN1.5-20R SN1.5-20L	 	20	R L	30	42.43	45.43			2.14	0.22	4.64	0.47	0.20						
SN1.5-26R SN1.5-26L	 	26	R L	40	55.15	58.15			4.51	0.46	9.80	1.00	0.36						
SN1.5-30R SN1.5-30L	 	30	R L	45	63.64	66.64			6.75	0.69	14.7	1.50	0.48						
SN2-10R SN2-10L	 	m2	10	R L	S1	12			22	28.28	32.28	20	15	35			0.66		0.068
SN2-13R SN2-13L	 		13	R L			30	36.77	40.77	1.42	0.14				3.08	0.31	0.22		
SN2-15R SN2-15L	 		15	R L			35	42.43	46.43	2.14	0.22				4.64	0.47	0.30		
SN2-20R SN2-20L	 		20	R L			45	56.57	60.57	4.84	0.49				10.5	1.07	0.53		
SN2-26R SN2-26L	 		26	R L			20	60	73.54	77.54	10.1				1.03	22.0	2.24	0.91	
SN2-30R SN2-30L	 		30	R L				65	84.85	88.85	15.0				1.53	32.7	3.34	1.19	

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).



S1T



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To order J Series products, please specify: **Catalog No. + J + BORE**. Example: SN1-13RJ6

Bore H7	* The product shapes of J Series items are identified by background color.																		
	6	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35		
Keyway JS9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Screw size	—	—	4×1.8	4×1.8	5×2.3	5×2.3	5×2.3	5×2.3	6×2.8	6×2.8	6×2.8	6×2.8	8×3.3	8×3.3	8×3.3	10×3.3	10×3.3		
Catalog Number	M4	M5	M4	M4	M4	M4	M4	M4	M5	M5	M5	M5	M6	M6	M6	M8	M8		
SN1-13R J BORE	*																		
SN1-13L J BORE	*																		
SN1-15R J BORE	*																		
SN1-15L J BORE	*																		
SN1-20R J BORE		*																	
SN1-20L J BORE		*																	
SN1-26R J BORE			*																
SN1-26L J BORE			*																
SN1-5-10R J BORE		*																	
SN1-5-10L J BORE		*																	
SN1-5-13R J BORE			*																
SN1-5-13L J BORE			*																
SN1-5-15R J BORE			*																
SN1-5-15L J BORE			*																
SN1-5-20R J BORE				*															
SN1-5-20L J BORE				*															
SN1-5-26R J BORE				*															
SN1-5-26L J BORE				*															
SN1-5-30R J BORE				*															
SN1-5-30L J BORE				*															
SN2-10R J BORE				*															
SN2-10L J BORE				*															
SN2-13R J BORE				*															
SN2-13L J BORE				*															
SN2-15R J BORE				*															
SN2-15L J BORE				*															
SN2-20R J BORE					*														
SN2-20L J BORE					*														
SN2-26R J BORE						*													
SN2-26L J BORE						*													
SN2-30R J BORE							*												
SN2-30L J BORE							*												

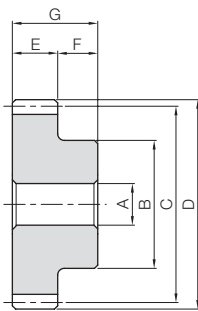
[Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.
② "*" is a product with the original bore diameter, so Hardened Plus is not available. See Page 22 for more details on Hardened Plus.





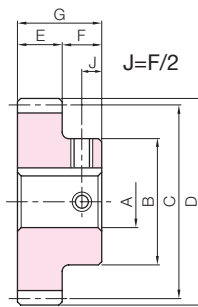
Specifications	
Precision grade	JIS grade N9 (JIS B1702-1: 1998)*
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Helix angle	45°
Material	S45C
Heat treatment	—
Surface treatment	Black oxide coating

* The precision grade of J Series products is equivalent to the value shown in the table.



S1

J Series



S1K



H To order Hardened Plus, please specify **Catalog No. + H**. Example: **SN2.5-10RH**

Catalog Number		Module	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Face width	Hub width	Total length	Allowable torque				Backlash (mm)	Weight (kg)
						A _{H7}	B	C	D	E	F	G	Surface durability		Surface durability 			
													N·m	kgf·m	N·m	kgf·m		
SN2.5-10R		m2.5	10	R L	S1	12	26	35.36	40.36	22	16	38	1.27	0.13	2.75	0.28	0.14~0.28	0.20
SN2.5-10L			13	R L		15	35	45.96	50.96				2.68	0.27	5.84	0.60		0.35
SN2.5-13R			15	R L			40	53.03	58.03				4.03	0.41	8.77	0.89		0.49
SN2.5-15R			20	R L		20	60	70.71	75.71				9.07	0.92	19.7	2.01		0.94
SN2.5-15L				26			R L	70	91.92				96.92	18.8	1.91	40.8		4.16
SN2.5-20R			30	R L		20	80	106.07	111.07				27.7	2.83	60.3	6.15		2.06
SN2.5-20L				26														
SN2.5-26R																		
SN2.5-26L																		
SN2.5-30R																		
SN2.5-30L																		
SN3-10R		m3	10	R L	S1	15	34	42.43	48.43	25	18	43	2.14	0.22	4.64	0.47	0.14~0.32	0.35
SN3-10L			13	R L		20	45	55.15	61.15				4.51	0.46	9.80	1.00		0.59
SN3-13R			15	R L			50	63.64	69.64				6.75	0.69	14.7	1.50		0.80
SN3-15R			20	R L		20	60	84.85	90.85				15.0	1.53	32.7	3.34		1.40
SN3-15L				26			R L	80	110.31				116.31	30.8	3.14	67.0		6.84
SN3-20R			30	R L		20	90	127.28	133.28				45.4	4.62	98.6	10.1		3.29
SN3-20L				26														
SN3-26R																		
SN3-26L																		
SN3-30R																		
SN3-30L																		
SN4-10R		m4	10	R L	S1	20	45	56.57	64.57	30	20	50	4.84	0.49	10.5	1.07	0.18~0.38	0.72
SN4-10L			13	R L			60	73.54	81.54				10.1	1.03	22.0	2.24		1.32
SN4-13R			15	R L			70	84.85	92.85				15.0	1.53	32.7	3.34		1.81
SN4-13L				20			R L	90	113.14				121.14	33.0	3.37	71.8		7.32
SN4-15R			26	R L			20	100	147.08				155.08	66.7	6.80	145		14.8
SN4-15L		26		R L	100	147.08				155.08	66.7	6.80					145	
SN4-20R																		
SN4-20L																		
SN4-26R																		
SN4-26L																		

[Caution on Secondary Operations] ① See Page 22 for more details on Hardened Plus (H Series and HJ Series).



To order J Series products, please specify: **Catalog No. + J + BORE**. Example: **SN2.5-10RJ12**

Bore H7		* The product shapes of J Series items are identified by background color.																
Keyway Js9	12	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50		
Screw size	4×1.8	5×2.3			6×2.8				8×3.3			10×3.3		12×3.3	14×3.8			
Catalog Number	M4				M5				M6			M8			M10			
SN2.5-10R J BORE	*																	
SN2.5-10L J BORE	*																	
SN2.5-13R J BORE		*																
SN2.5-13L J BORE		*																
SN2.5-15R J BORE		*																
SN2.5-15L J BORE		*																
SN2.5-20R J BORE							*											
SN2.5-20L J BORE							*											
SN2.5-26R J BORE							*											
SN2.5-26L J BORE							*											
SN2.5-30R J BORE							*											
SN2.5-30L J BORE							*											
SN3-10R J BORE		*																
SN3-10L J BORE		*																
SN3-13R J BORE							*											
SN3-13L J BORE							*											
SN3-15R J BORE							*											
SN3-15L J BORE							*											
SN3-20R J BORE							*											
SN3-20L J BORE							*											
SN3-26R J BORE							*											
SN3-26L J BORE							*											
SN3-30R J BORE							*											
SN3-30L J BORE							*											
SN4-10R J BORE							*											
SN4-10L J BORE							*											
SN4-13R J BORE							*											
SN4-13L J BORE							*											
SN4-15R J BORE							*											
SN4-15L J BORE							*											
SN4-20R J BORE							*											
SN4-20L J BORE							*											
SN4-26R J BORE							*											
SN4-26L J BORE							*											

To order J Series Hardened Plus products, please specify: Catalog No. + H + J + BORE.
Example: SN2.5-13RHJ16

To order J Series Hardened Plus products, please specify: Catalog No. + H + J + BORE. Example: SN2.5-13RHJ16

[Caution on J series] ① Cancellation is not possible for made-to-order products. See page 42 for lead times and allowable order quantities. See page 44 for other precautions.

② "*" is a product with the original bore diameter, so Hardened Plus is not available. See Page 22 for more details on Hardened Plus.