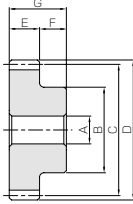




Specifications			
Precision grade	JIS grade N9 (JIS B1702-1:1998) * JIS grade 5 (JIS B1702:1976)		
Reference section of gear	Normal plane		
Gear teeth	Standard full depth		
Normal pressure angle	20°		
Helix angle	45°		
Material	S45C		
Heat treatment	—		
Module	m1	m1.5	m2
Face width (E)	10	15	20
Hub width (F)	10	10	15
Total length (G)	20	25	35
Screw offset (J)	5	5	7.5



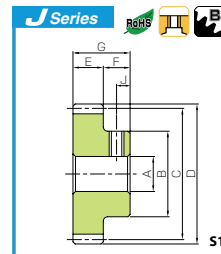
S1

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

Catalog No.	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Allowable torque (N·m)	Allowable torque (kgf·m)	Backlash (mm)	Weight (kg)
				A _{H7}	B	C	D	Surface durability	Surface durability		
SN1-13R SN1-13L	13	R L	S1	6	15	18.38	20.38	0.19	0.019	0.08~0.18	0.030
SN1-15R SN1-15L	15	R L	S1	6	18	21.21	23.21	0.29	0.029	0.08~0.18	0.043
SN1-20R SN1-20L	20	R L	S1	8	25	28.28	30.28	0.66	0.068	0.08~0.18	0.080
SN1-26R SN1-26L	26	R L	S1	10	30	36.77	38.77	1.42	0.14	0.10~0.22	0.130
SN1-30R SN1-30L	30	R L	S1	10	35	42.43	44.43	2.14	0.22	0.10~0.22	0.170
SN1.5-10R SN1.5-10L	10	R L	S1	8	16	21.21	24.21	0.29	0.029	0.08~0.20	0.048
SN1.5-13R SN1.5-13L	13	R L	S1	10	23	27.58	30.58	0.62	0.063	0.10~0.22	0.088
SN1.5-15R SN1.5-15L	15	R L	S1	10	25	31.82	34.82	0.93	0.095	0.10~0.22	0.120
SN1.5-20R SN1.5-20L	20	R L	S1	12	30	42.43	45.43	2.14	0.22	0.10~0.22	0.200
SN1.5-26R SN1.5-26L	26	R L	S1	12	40	55.15	58.15	4.51	0.46	0.12~0.26	0.360
SN1.5-30R SN1.5-30L	30	R L	S1	12	45	63.64	66.64	6.75	0.69	0.12~0.26	0.480
SN2-10R SN2-10L	10	R L	S1	12	22	28.28	32.28	0.66	0.068	0.10~0.22	0.110
SN2-13R SN2-13L	13	R L	S1	12	30	36.77	40.77	1.42	0.14	0.12~0.26	0.220
SN2-15R SN2-15L	15	R L	S1	12	35	42.43	46.43	2.14	0.22	0.12~0.26	0.300
SN2-20R SN2-20L	20	R L	S1	15	45	56.57	60.57	4.84	0.49	0.12~0.26	0.530
SN2-26R SN2-26L	26	R L	S1	20	60	73.54	77.54	10.1	1.03	0.14~0.30	0.910
SN2-30R SN2-30L	30	R L	S1	20	65	84.85	88.85	15.0	1.53	0.14~0.30	1.190

- [Caution on Product Characteristics]
- When mating screw gears made of the same material they may cause abrasion and scoring. It is recommended to mate Screw Gears composed of different materials.
 - The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see Page 327 for more details.
 - The backlash values shown in the table are the theoretical values for the backlash in the normal direction of a pair of identical gears in mesh.
 - For offset shaft applications, match a RH with a RH, or LH with a LH, to make a set of screw gears. For parallel shaft applications, mesh opposite hands (RH and LH) of helical gear sets. See Page 326 for more details.
 - If the bore diameter is less than $\phi 4$, then the bore tolerance class is H8. If the bore diameter is $\phi 5$ or $\phi 6$, and the hole length (total length) exceeds 3 times the diameter, then the class is also H8.

- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 32) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.
 - Avoid performing secondary operations that narrow the tooth width, as it affects precision and strength.



S1T

S1K

Newly added



To order J Series products, please specify; **Catalog No. + J + BORE**

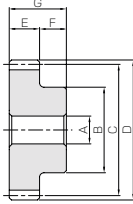
Bore H7	* The product shapes of J Series items are identified by background color.																
Keyway J _{s9}	6	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35
Screw size	—		4 × 1.8			5 × 2.3					6 × 2.8			8 × 3.3		10 × 3.3	
Catalog No.	M4	M5	M4					M5			M6		M8				
SN1-13R J BORE																	
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																	
SN1-30R J BORE																	
SN1-30L 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																	
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SN2-10R J BORE																	
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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]
- As available-on-request products, requires a lead-time for shipping within 2 working-days (excludes the day ordered), after placing an order. Please allow additional shipping time to get to your local distributor.
 - Number of products we can process for one order is 1 to 20 units. For quantities of 21 or more pieces, we need to quote price and lead time.
 - Keyways are made according to JIS B1301 standards, Js 9 tolerance.
 - Areas of products which have been re-worked will not be black oxide coated.
 - For products having a tapped hole, a set screw is included.

* For products not categorized in our KHK Stock Gear series, custom gear production services with short lead times is available. For details see page 8.



Specifications			
Precision grade	JIS grade N9 (JIS B1702-1: 1998) * JIS grade 5 (JIS B1702: 1976)		
Reference section of gear	Normal plane		
Gear teeth	Standard full depth		
Normal pressure angle	20°		
Helix angle	45°		
Material	S45C		
Heat treatment	—		
Module	m2.5	m3	m4
Face width (E)	22	25	30
Hub width (F)	16	18	20
Total length (G)	38	43	50
Screw offset (U)	8	9	10



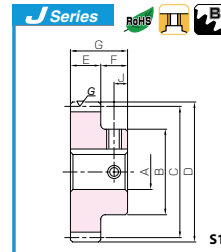
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* The precision grade of J Series products is equivalent to the value shown in the table.

Catalog No.	No. of teeth	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Outside dia.	Allowable torque (N·m)	Allowable torque (kgf·m)	Backlash (mm)	Weight (kg)
				A _{H7}	B	C	D	Surface durability	Surface durability		
SN2.5-10R SN2.5-10L	10	R L	S1	12	26	35.36	40.36	1.27	0.13	0.12~0.24	0.20
SN2.5-13R SN2.5-13L	13	R L		15	35	45.96	50.96	2.68	0.27	0.14~0.28	0.35
SN2.5-15R SN2.5-15L	15	R L		40	53.03	58.03	4.03	0.41			
SN2.5-20R SN2.5-20L	20	R L		60	70.71	75.71	9.07	0.92	0.16~0.34	1.54	
SN2.5-26R SN2.5-26L	26	R L		70	91.92	96.92	18.8	1.91			
SN2.5-30R SN2.5-30L	30	R L		80	106.07	111.07	27.7	2.83			2.06
SN3-10R SN3-10L	10	R L		15	34	42.43	48.43	2.14	0.22	0.12~0.26	0.35
SN3-13R SN3-13L	13	R L		45	55.15	61.15	4.51	0.46	0.14~0.32	0.80	
SN3-15R SN3-15L	15	R L		50	63.64	69.64	6.75	0.69			
SN3-20R SN3-20L	20	R L		60	84.85	90.85	15.0	1.53	0.18~0.38	1.40	
SN3-26R SN3-26L	26	R L		80	110.31	116.31	30.8	3.14			
SN3-30R SN3-30L	30	R L		90	127.28	133.28	45.4	4.62			3.29
SN4-10R SN4-10L	10	R L		20	45	56.57	64.57	4.84	0.49	0.16~0.34	0.72
SN4-13R SN4-13L	13	R L		60	73.54	81.54	10.1	1.03	0.18~0.38	1.81	
SN4-15R SN4-15L	15	R L		70	84.85	92.85	15.0	1.53			
SN4-20R SN4-20L	20	R L		90	113.14	121.14	33.0	3.37	0.20~0.44	3.24	
SN4-26R SN4-26L	26	R L		100	147.08	155.08	66.7	6.80			
SN4-30R SN4-30L	30	R L		110	169.71	177.71	97.1	9.91			5.11

- [Caution on Product Characteristics]
- When mating screw gears made of the same material they may cause abrasion and scoring. It is recommended to mate Screw Gears composed of different materials.
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 - The backlash values shown in the table are the theoretical values for the backlash in the normal direction of a pair of identical gears in mesh.
 - For offset shaft applications, match a RH with a RH, or LH with a LH, to make a set of screw gears. For parallel shaft applications, mesh opposite hands (RH and LH) of helical gear sets. See Page 326 for more details.
 - If the bore diameter is less than $\phi 4$, then the bore tolerance class is H8. If the bore diameter is $\phi 5$ or $\phi 6$, and the hole length (total length) exceeds 3 times the diameter, then the class is also H8.

- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 32) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.
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S1K

Newly added



To order J Series products, please specify; **Catalog No. + J + BORE**

Bore H7	12	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50		
Keyway J _{s9}	4 x 1.8																	
Screw size	4 x 1.8				6 x 2.8				8 x 3.3				10 x 3.3		12 x 3.3		14 x 3.8	
Catalog No.	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																		
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SN4-26R J BORE																		
SN4-26L J BORE																		
SN4-30R J BORE																		
SN4-30L J BORE																		

- [Caution on J series]
- As available-on-request products, requires a lead-time for shipping within 2 working-days (excludes the day ordered), after placing an order. Please allow additional shipping time to get to your local distributor.
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