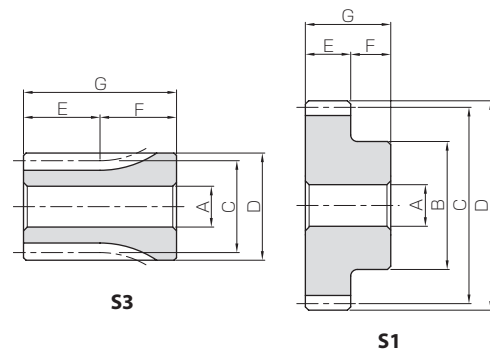




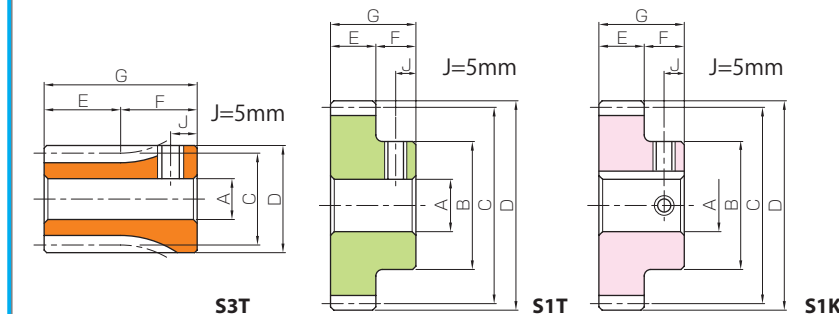
Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)*
Gear teeth	Standard full depth
Pressure angle	20°
Material	SUS303
Heat Treatment	—
Tooth hardness	(less than 187HB)

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



J Series

Stainless Steel Spur Gears



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

Catalog Number	No. of teeth	Shape	Bore A _{H7}	Hub dia. B	Pitch dia. C	Outside dia. D	Face width E	Hub width F	Total Length G	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)
										Bending strength	Surface durability	Bending strength	Surface durability		
SUS1-15	15	S3	8	17	15	17	10	20	30	2.04	0.12	0.21	0.013	0.08~0.18	0.037
SUS1-16	16			18	16	18				2.26	0.14	0.23	0.015		0.044
SUS1-18	18			20	18	20				2.71	0.18	0.28	0.019		0.057
SUS1-20	20			16	20	22				3.18	0.23	0.32	0.024		0.032
SUS1-22	22			18	22	24				3.65	0.29	0.37	0.029		0.042
SUS1-24	24	S1	10	20	24	26		10	20	4.13	0.35	0.42	0.036		0.052
SUS1-25	25			20	25	27				4.37	0.38	0.45	0.039		0.055
SUS1-28	28			23	28	30				5.11	0.48	0.52	0.049		0.073
SUS1-30	30			25	30	32				5.60	0.56	0.57	0.057		0.086
SUS1-32	32			26	32	34				6.11	0.64	0.62	0.066		0.096
SUS1-35	35			26	35	37				6.87	0.78	0.70	0.079		0.11
SUS1-36	36			28	36	38				7.12	0.82	0.73	0.084		0.12
SUS1-40	40			35	40	42				8.15	1.03	0.83	0.11		0.16
SUS1-42	42			35	42	44				8.66	1.14	0.88	0.12		0.17
SUS1-45	45			35	45	47				9.44	1.32	0.96	0.13		0.19
SUS1-48	48			35	48	50				10.2	1.51	1.04	0.15		0.20
SUS1-50	50			35	50	52				10.8	1.65	1.10	0.17		0.22
SUS1-55	55			40	55	57				12.1	2.01	1.23	0.21		0.27
SUS1-56	56			40	56	58				12.3	2.09	1.26	0.21		0.28
SUS1-60	60			40	60	62				13.4	2.42	1.37	0.25		0.31
SUS1-64	64			45	64	66				14.5	2.77	1.47	0.28		0.36
SUS1-70	70			50	70	72				16.1	3.34	1.64	0.34		0.44
SUS1-75	75			55	75	77				17.4	3.86	1.77	0.39		0.52
SUS1-80	80			60	80	82				18.7	4.42	1.91	0.45		0.60
SUS1-90	90			60	90	92				21.4	5.67	2.19	0.58		0.70
SUS1-100	100	12		60	100	102				24.1	7.08	2.46	0.72		0.82
SUS1-120	120			60	120	122				29.6	10.4	3.01	1.06		1.09

[Caution on Product Characteristics] ① The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 24 for more details.
② 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.

[Caution on Secondary Operations] ① Please read "Cautions on Performing Secondary Operations" (Page 26) when performing modifications and/or secondary operations for safety concerns.
KHK Quick-Mod Gears, the KHK system for quick modification of KHK stock gears, is also available.
② Avoid performing secondary operations that narrow the tooth width, as it affects precision and strength.

Bore H7	* The product shapes of J Series items are identified by background color.																		
	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35			
Keyway J _{s9}	—	4×1.8															8×3.3	10×3.3	
Screw size	—																		
Catalog Number	M5																		
SUS1-15 J BORE	S3T																		
SUS1-16 J BORE	S3T																		
SUS1-18 J BORE	S3T																		
SUS1-20 J BORE	S1T																		
SUS1-22 J BORE	S1T																		
SUS1-24 J BORE	S1T																		
SUS1-25 J BORE	S1T																		
SUS1-28 J BORE	S1T	S1K	S1K																
SUS1-30 J BORE	S1T	S1K	S1K																
SUS1-32 J BORE	S1T	S1K	S1K	S1K															
SUS1-35 J BORE	S1T	S1K	S1K	S1K															
SUS1-36 J BORE	S1T	S1K	S1K	S1K	S1K	S1K													
SUS1-40 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
SUS1-42 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
SUS1-45 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
SUS1-48 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
SUS1-50 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
SUS1-55 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
SUS1-56 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K							
SUS1-60 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K							
SUS1-64 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K						
SUS1-70 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K				
SUS1-75 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K			
SUS1-80 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K		
SUS1-90 J BORE		S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
SUS1-100 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K
SUS1-120 J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K

[Caution on J series] ① As available-on-request products, these require a lead-time for shipping within 2 working days (excludes the day ordered), after placing an order.
② 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.
③ Keyways are made according to JIS B1301 standards, Js9 tolerance.
④ Certain products which would otherwise have a very long tapped hole are counterbored to reduce the length of the tap. For details, please see the KHK Web Catalog.
⑤ For products having a tapped hole, a set screw is included.
⑥ When using S3T and S1T set screws for fastening gears to a shaft, only use this method for applications with light load usage. For secure fastening, please use dowel pins in combination.

