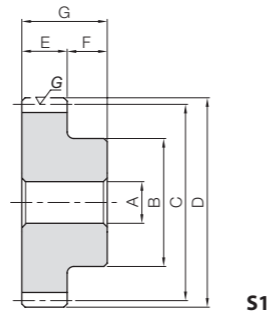
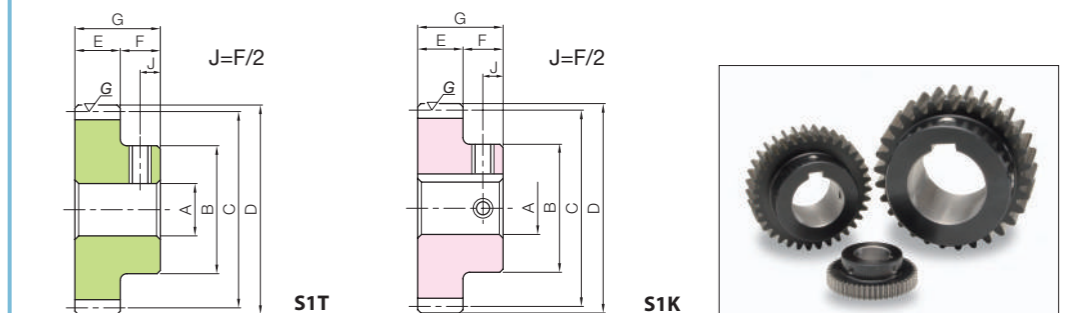


Specifications	
Precision grade	JIS grade N6 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for teeth

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



J Series



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

Catalog Number	Module	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		
KSG1-20	m1	20	S1	6	15	20	22	10	10	20	10.3	5.48	1.05	0.56	0.08~0.16	0.034
KSG1-25		25		8	20	27	13.9				9.16	1.42	0.93			
KSG1-30		30		8	25	30	17.6				14.0	1.80	1.43			
KSG1-32		32		10	25	32	19.1				16.2	1.95	1.66			
KSG1-36		36		10	30	36	22.1				21.3	2.25	2.17			
KSG1-40	40	10	35	40	25.1	27.0	2.56	2.75	0.16							
KSG1.5-20	m1.5	20	S1	10	24	30	33	15	14	29	34.8	18.5	3.55	1.89	0.08~0.16	0.12
KSG1.5-25		25		10	30	37.5	40.5				47.0	31.0	4.80	3.16		
KSG1.5-30		30		15	35	45	48				59.5	47.4	6.06	4.83		
KSG1.5-32		32		15	40	48	51				64.5	55.0	6.57	5.60		
KSG1.5-36		36		15	45	54	57				74.6	71.9	7.60	7.34		
KSG1.5-40	40	15	50	60	63	84.7	91.3	8.64	9.31	0.51						
KSG2-20	m2	20	S1	15	30	40	44	20	16	36	82.6	44.0	8.42	4.48	0.10~0.20	0.24
KSG2-25		25		15	40	50	54				111	73.5	11.4	7.50		
KSG2-30		30		15	50	60	64				141	112	14.4	11.5		
KSG2-32		32		18	55	64	68				153	131	15.6	13.3		
KSG2-36		36		18	65	72	76				177	171	18.0	17.4		
KSG2-40	40	18	70	80	84	201	217	20.5	22.1	1.20						
KSG2.5-20	m2.5	20	S1	15	40	50	55	25	18	43	161	86.0	16.5	8.77	0.10~0.20	0.50
KSG2.5-25		25		20	50	62.5	67.5				218	144	22.2	14.7		
KSG2.5-30		30		20	65	75	80				275	220	28.1	22.4		
KSG2.5-32		32		20	70	80	85				298	255	30.4	26.0		
KSG2.5-36		36		20	80	90	95				345	335	35.2	34.1		
KSG2.5-40	40	20	90	100	105	392	425	40.0	43.3	2.33						
KSG3-20	m3	20	S1	15	50	60	66	30	20	50	279	149	28.4	15.2	0.10~0.20	0.90
KSG3-25		25		20	65	75	81				376	249	38.4	25.4		
KSG3-30		30		20	80	90	96				476	381	48.5	38.9		
KSG3-32		32		25	85	96	102				516	442	52.6	45.1		
KSG3-36		36		25	90	108	114				597	579	60.8	59.1		
KSG3-40	40	25	110	120	126	678	736	69.1	75.0	3.96						

* The product shapes of J Series items are identified by background color.

Bore H7	6	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50	
Keyway J _{s9}	—			4×1.8			5×2.3			6×2.8			8×3.3			10×3.3		12×3.3		14×3.8	
Screw size	—		M4				M5				M6				M8		M10				
Catalog Number	M4	M5	M4				M5				M6		M8				M10				
KSG1-20J BORE	S1T																				
KSG1-25J BORE		S1T																			
KSG1-30J BORE		S1T	S1K	S1K																	
KSG1-32J BORE			S1K	S1K																	
KSG1-36J BORE			S1K	S1K	S1K	S1K	S1K	S1K													
KSG1-40J BORE			S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K											
KSG1.5-20J BORE			S1K	S1K																	
KSG1.5-25J BORE			S1K	S1K	S1K	S1K	S1K	S1K													
KSG1.5-30J BORE					S1K	S1K	S1K	S1K	S1K	S1K											
KSG1.5-32J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K										
KSG1.5-36J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K								
KSG1.5-40J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K						
KSG2-20J BORE					S1K	S1K	S1K														
KSG2-25J BORE					S1K	S1K	S1K	S1K	S1K	S1K											
KSG2-30J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K						
KSG2-32J BORE								S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K					
KSG2-36J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG2-40J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG2.5-20J BORE					S1K	S1K	S1K	S1K	S1K	S1K											
KSG2.5-25J BORE								S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K						
KSG2.5-30J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG2.5-32J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG2.5-36J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG2.5-40J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG3-20J BORE					S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K									
KSG3-25J BORE								S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG3-30J BORE									S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG3-32J BORE											S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG3-36J BORE											S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	
KSG3-40J BORE											S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	S1K	

Recommended mating rack



KRGF-H/KRGFD-H
Hardened Ground Racks

Please see Page 226 for more details.