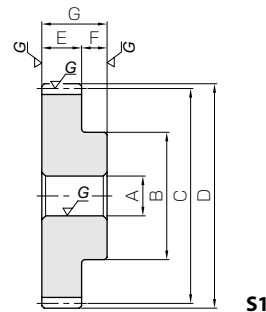




Specifications	
Precision grade	JIS grade N6 (JIS B1702-1: 1998) JIS grade 2 (JIS B1702: 1976)
Reference section of gear	Rotating plane
Gear teeth	Standard full depth
Transverse pressure angle	20°
Helix angle	21°30'
Material	SCM440
Heat treatment	Thermal refined, tooth surface induction hardened
Tooth hardness	50 ~ 60HRC
Face width (E)	12
Hub width (F)	12
Total length (G)	24
Screw offset (J)	6



* 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)
				AH7	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability		
KHG1.5-20R KHG1.5-20L	20	R L	S1		24	30	33	26.3	18.5	2.68	1.89	0.08~0.16	0.088
KHG1.5-22R KHG1.5-22L	22	R L			26	33	36	27.4	20.8	2.79	2.12		0.11
KHG1.5-24R KHG1.5-24L	24	R L			28	36	39	30.9	25.3	3.15	2.58		0.13
KHG1.5-25R KHG1.5-25L	25	R L			30	37.5	40.5	32.7	27.7	3.33	2.83		0.15
KHG1.5-26R KHG1.5-26L	26	R L			32	39	42	34.5	30.2	3.52	3.08		0.17
KHG1.5-28R KHG1.5-28L	28	R L			36	42	45	38.1	35.7	3.89	3.64		0.19
KHG1.5-30R KHG1.5-30L	30	R L			38	45	48	41.8	41.6	4.26	4.24		0.22
KHG1.5-32R KHG1.5-32L	32	R L			40	48	51	45.5	48.0	4.64	4.89		0.26
KHG1.5-35R KHG1.5-35L	35	R L			42	52.5	55.5	51.1	58.5	5.21	5.96		0.30
KHG1.5-36R KHG1.5-36L	36	R L			45	54	57	52.9	62.2	5.40	6.35		0.33
KHG1.5-40R KHG1.5-40L	40	R L			50	60	63	60.5	78.5	6.17	8.00	0.42	
KHG1.5-44R KHG1.5-44L	44	R L			50	66	69	68.1	96.8	6.95	9.87	0.47	
KHG1.5-45R KHG1.5-45L	45	R L			50	67.5	70.5	70.0	102	7.14	10.4	0.47	
KHG1.5-48R KHG1.5-48L	48	R L			50	72	75	75.8	117	7.73	12.0	0.52	
KHG1.5-50R KHG1.5-50L	50	R L			60	75	78	79.6	128	8.12	13.1	0.63	
KHG1.5-52R KHG1.5-52L	52	R L			60	78	81	83.5	140	8.51	14.2	0.67	
KHG1.5-60R KHG1.5-60L	60	R L			60	90	93	99.1	191	10.1	19.5	0.81	
KHG1.5-70R KHG1.5-70L	70	R L			60	105	108	114	256	11.6	26.1	1.02	
KHG1.5-80R KHG1.5-80L	80	R L			70	120	123	132	343	13.5	35.0	1.37	
KHG1.5-90R KHG1.5-90L	90	R L			70	135	138	151	442	15.4	45.1	1.65	
KHG1.5-100R KHG1.5-100L	100	R L	70	150	153	170	554	17.4	56.5	1.97			

[Caution on Product Characteristics]

- The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 165 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.
- These gears produce axial thrust forces. See Page 167 for more details.
- Right handed and left handed helical gears in the same module are designed to mesh as a pair, but KHG gears are not interchangeable with SH type helical gears.

[Caution on Secondary Operations]

- Please read "Caution on Performing Secondary Operations" (Page 166) 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.
- Due to the gear teeth being induction hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 2 to 3 mm).
- While cutting off the entire hub may cause curvature deformation by residual stress, some products are straightened and annealed after refining the material.