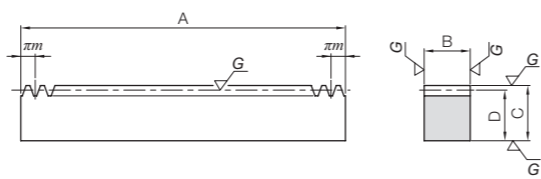




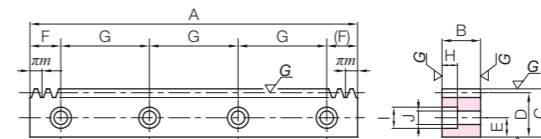
Specifications	
Precision grade	KHK R 001 Grade 1 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened **
Tooth hardness	50 to 60HRC

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



RF

J Series



RD



Catalog Number	Module	No. of teeth	Shape	Total Length	Face width	Height	Height to pitch line	Allowable force (N)		Allowable force (kgf)	
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability
KRGF1.5-500H KRGF1.5-1000H	m1.5	106 212	RF	499.51 999.03	15	20	18.5	3230	2100	330	215
				502.65 1005.31	20	25	23	5750	3750	586	382
KRGF2.5-500H KRGF2.5-1000H	m2.5	64 128	RF	502.65 1005.31	25	30	27.5	8980	5870	916	598
				499.51 999.03	30	35	32	12900	8470	1320	863

Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.14	1.09 2.18	KRGF1.5-500H KRGF1.5-1000H
0.05~0.16	1.82 3.63	KRGF2-500H KRGF2-1000H
0.05~0.16	2.71 5.43	KRGF2.5-500H KRGF2.5-1000H
0.05~0.16	3.76 7.53	KRGF3-500H KRGF3-1000H

Catalog Number	Module	No. of teeth	Shape	Total Length	Face width	Height	Height to pitch line	Mounting hole dimensions				
				A	B	C	D	E	F	G	No. of holes	Screw size
● KRGFD1.5-500HJ ● KRGFD1.5-1000HJ	m1.5	106 212	RD	499.51 999.03	15	20	18.5	8	24.76 49.51	150 180	4 6	M5
				502.65 1005.31	20	25	23	10	26.33 52.65	150 180	4 6	M6
● KRGFD2-500HJ ● KRGFD2-1000HJ	m2	80 160	RD	502.65 1005.31	25	30	27.5	12	26.33 52.65	150 180	4 6	M8
				499.51 999.03	30	35	32	14	24.76 49.51	150 180	4 6	M10

Counterbore dimensions			Allowable force (N)		Allowable force (kgf)		Backlash (mm)	Weight (kg)	Catalog Number
H	I	J	Bending strength	Surface durability	Bending strength	Surface durability			
6	10	6	3230	2100	330	215	0.04~0.14	1.07 2.14	● KRGFD1.5-500HJ ● KRGFD1.5-1000HJ
7	11	7	5750	3750	586	382	0.05~0.16	1.78 3.58	● KRGFD2-500HJ ● KRGFD2-1000HJ
8.6	14	9	8980	5870	916	598	0.05~0.16	2.64 5.31	● KRGFD2.5-500HJ ● KRGFD2.5-1000HJ
10.8	17.5	11	12900	8470	1320	863	0.05~0.16	3.63 7.32	● KRGFD3-500HJ ● KRGFD3-1000HJ

[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.

Recommended Mating Pinions



KSG Ground Spur Gears

Please see Page 58 for more details.

Rack & Pinion Lubrication System

PUS lubricated spur gear



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