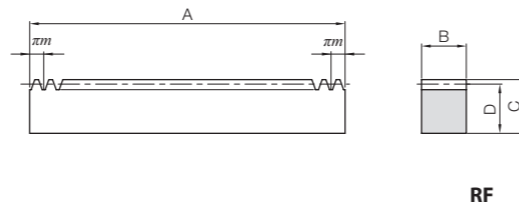


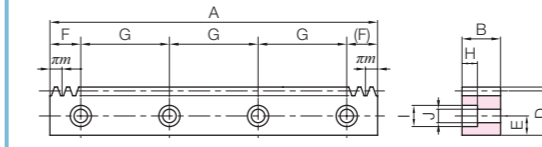
Specifications	
Precision grade	KHK R 001 grade 5 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened **
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coating

\* The precision grade is equivalent to the value shown in the table.  
 \*\* The dimensions may vary due to hardening. Therefore, the total composite error is excluded from the rack accuracy table on Page 219.  
 \*\* 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).

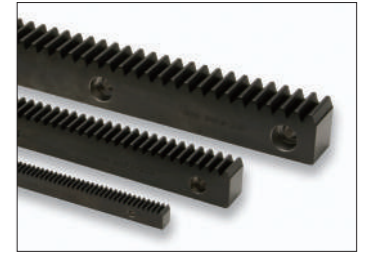


RF

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
<b>KRF1.5-1000H</b>	<b>m1.5</b>	212	RF	999.03	15	20	18.5	2940	1710	300	175
<b>KRF2-1000H</b>	<b>m2</b>	160		1005.31	20	25	23	5230	3090	533	315
<b>KRF2.5-1000H</b>	<b>m2.5</b>	128		1005.31	25	30	27.5	8170	4890	833	499
<b>KRF3-1000H</b>	<b>m3</b>	106		999.03	30	35	32	11800	7110	1200	725
<b>KRF4-1000H</b>	<b>m4</b>	80		1005.31	40	45	41	20900	12900	2130	1310
<b>KRF5-1000H</b>	<b>m5</b>	64	1005.31	50	50	45	32700	20400	3330	2080	

Backlash (mm)	Weight (kg)	Catalog Number
		<b>KRF1.5-1000H</b>
0.05~0.31	2.18	<b>KRF1.5-1000H</b>
0.07~0.34	3.63	<b>KRF2-1000H</b>
0.09~0.37	5.43	<b>KRF2.5-1000H</b>
0.10~0.41	7.53	<b>KRF3-1000H</b>
0.14~0.48	12.9	<b>KRF4-1000H</b>
0.16~0.53	17.8	<b>KRF5-1000H</b>

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
● <b>KRFD1.5-1000HJ</b>	<b>m1.5</b>	212	RD	999.03	15	20	18.5	8	49.51	180	6	M5
● <b>KRFD2-1000HJ</b>	<b>m2</b>	160		1005.31	20	25	23	10	52.65	180	6	M6
● <b>KRFD2.5-1000HJ</b>	<b>m2.5</b>	128		1005.31	25	30	27.5	12	52.65	180	6	M8
● <b>KRFD3-1000HJ</b>	<b>m3</b>	106		999.03	30	35	32	14	49.51	180	6	M10
● <b>KRFD4-1000HJ</b>	<b>m4</b>	80		1005.31	40	45	41	18	52.65	180	6	M12
● <b>KRFD5-1000HJ</b>	<b>m5</b>	64	1005.31	50	50	45	20	62.65	220	5	M14	

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	2940	1710	300	175	0.05~0.31	2.14	● <b>KRFD1.5-1000HJ</b>
7	11	7	5230	3090	533	315	0.07~0.34	3.58	● <b>KRFD2-1000HJ</b>
8.6	14	9	8170	4890	833	499	0.09~0.37	5.31	● <b>KRFD2.5-1000HJ</b>
10.8	17.5	11	11800	7110	1200	725	0.10~0.41	7.32	● <b>KRFD3-1000HJ</b>
13	20	14	20900	12900	2130	1310	0.14~0.48	12.6	● <b>KRFD4-1000HJ</b>
15.2	23	16	32700	20400	3330	2080	0.16~0.53	17.2	● <b>KRFD5-1000HJ</b>

[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.