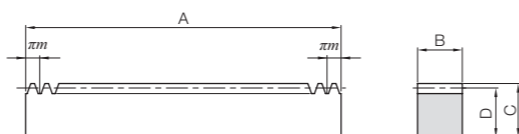


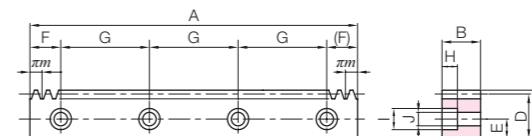
Specifications	
Precision grade	KHK R 001 Grade 4 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refining only
Tooth hardness	225 to 352HB
Surface treatment	Black oxide coating

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



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
KRF1.5-500 KRF1.5-1000	m1.5	106	RF	499.51	15	20	18.5	3450	953	352	97.2	
		212		999.03								
KRF2-500 KRF2-1000	m2	80		502.65	20	25	23	6130	1760	625	179	
		160		1005.31								
KRF2.5-500 KRF2.5-1000	m2.5	64		502.65	25	30	27.5	9580	2810	977	287	
		128		1005.31								
KRF3-500 KRF3-1000	m3	53		499.51	30	35	32	13800	4120	1410	421	
		106		999.03								
KRF4-500 KRF4-1000	m4	40		502.65	40	45	41	24500	7530	2500	768	
		80		1005.31								
KRF5-500 KRF5-1000	m5	32	502.65	50	50	45	38300	12000	3910	1220		
		64	1005.31									

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
● KRFD1.5-500J ● KRFD1.5-1000J	m1.5	106	RD	499.51	15	20	18.5	8	24.76	150	4	M5
		212		999.03					49.51	180	6	
● KRFD2-500J ● KRFD2-1000J	m2	80		502.65	20	25	23	10	26.33	150	4	M6
		160		1005.31					52.65	180	6	
● KRFD2.5-500J ● KRFD2.5-1000J	m2.5	64		502.65	25	30	27.5	12	26.33	150	4	M8
		128		1005.31					52.65	180	6	
● KRFD3-500J ● KRFD3-1000J	m3	53		499.51	30	35	32	14	24.76	150	4	M10
		106		999.03					49.51	180	6	
● KRFD4-500J ● KRFD4-1000J	m4	40		502.65	40	45	41	18	26.33	150	4	M12
		80		1005.31					52.65	180	6	
● KRFD5-500J ● KRFD5-1000J	m5	32	502.65	50	50	45	20	31.33	150	3	M14	
		64	1005.31					62.65	220	5		

Backlash (mm)	Weight (kg)	Catalog Number
0.09~0.27	1.09 2.18	KRF1.5-500 KRF1.5-1000
0.11~0.30	1.82 3.63	KRF2-500 KRF2-1000
0.13~0.33	2.71 5.43	KRF2.5-500 KRF2.5-1000
0.14~0.37	3.76 7.53	KRF3-500 KRF3-1000
0.18~0.44	6.47 12.9	KRF4-500 KRF4-1000
0.20~0.49	8.88 17.8	KRF5-500 KRF5-1000

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	3450	953	352	97.2	0.09~0.27	1.07 2.14	● KRFD1.5-500J ● KRFD1.5-1000J
7	11	7	6130	1760	625	179	0.11~0.30	1.78 3.58	● KRFD2-500J ● KRFD2-1000J
8.6	14	9	9580	2810	977	287	0.13~0.33	2.64 5.31	● KRFD2.5-500J ● KRFD2.5-1000J
10.8	17.5	11	13800	4120	1410	421	0.14~0.37	3.63 7.32	● KRFD3-500J ● KRFD3-1000J
13	20	14	24500	7530	2500	768	0.18~0.44	6.21 12.6	● KRFD4-500J ● KRFD4-1000J
15.2	23	16	38300	12000	3910	1220	0.20~0.49	8.56 17.2	● KRFD5-500J ● KRFD5-1000J

## Recommended Mating Pinions



## KS Thermal Refined Spur Gears

Please see Page 100 for more details.

