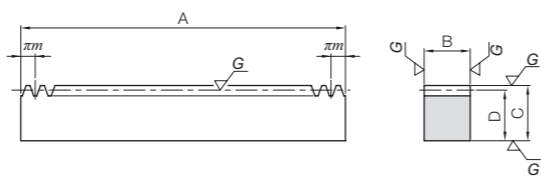




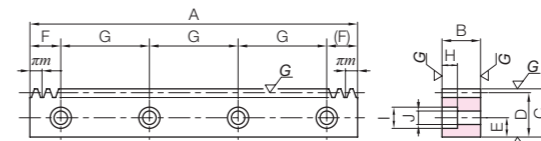
Specifications	
Precision grade	KHK R 001 Grade 1 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC

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



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	3450	2100	352	215
				502.65 1005.31	20	25	23	6130	3750	625	382
KRGF2.5-500H KRGF2.5-1000H	m2.5	64 128	RF	502.65 1005.31	25	30	27.5	9580	5870	977	598
				499.51 999.03	30	35	32	13800	8470	1410	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
● KRGFD2.5-500HJ ● KRGFD2.5-1000HJ	m2.5	64 128	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	3450	2100	352	215	0.04~0.14	1.07 2.14	● KRGFD1.5-500HJ ● KRGFD1.5-1000HJ
7	11	7	6130	3750	625	382	0.05~0.16	1.78 3.58	● KRGFD2-500HJ ● KRGFD2-1000HJ
8.6	14	9	9580	5870	977	598	0.05~0.16	2.64 5.31	● KRGFD2.5-500HJ ● KRGFD2.5-1000HJ
10.8	17.5	11	13800	8470	1410	863	0.05~0.16	3.63 7.32	● KRGFD3-500HJ ● KRGFD3-1000HJ

Recommended Mating Pinions

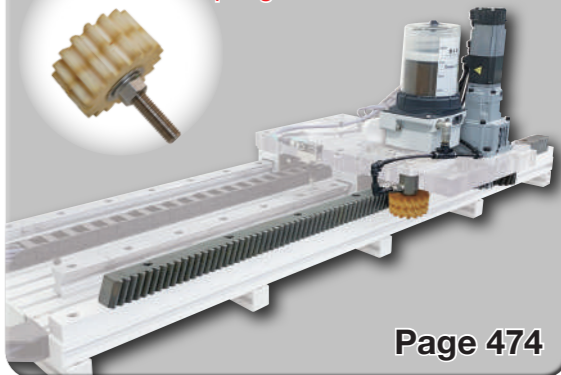


KSG Ground Spur Gears

Please see Page 54 for more details.

DLS Schmiersysteme Rack & Pinion Lubrication System

PUS lubricated spur gear



Page 474