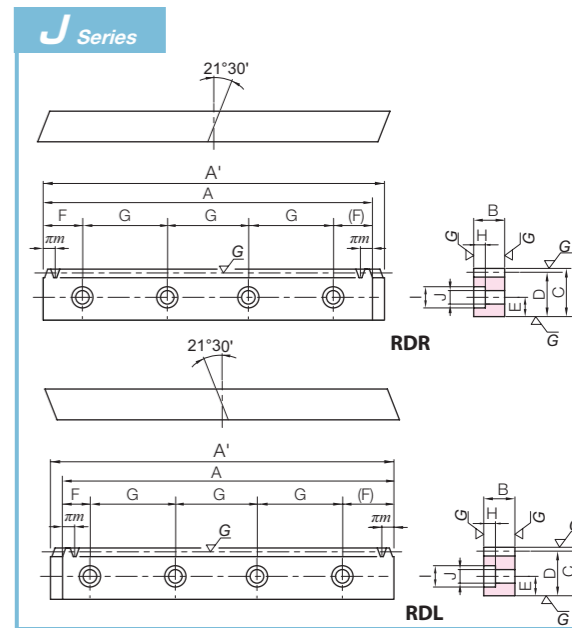
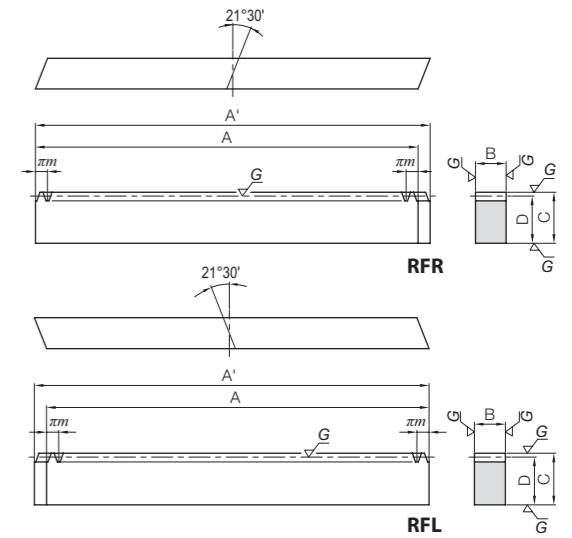
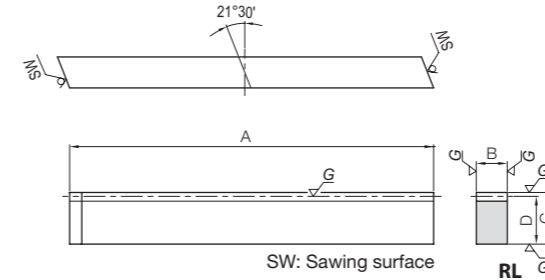
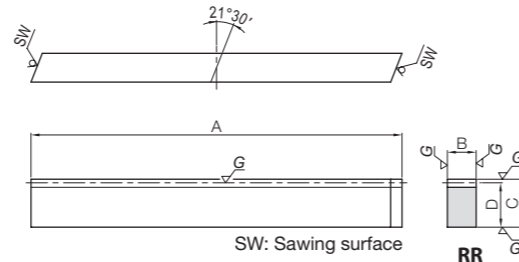




Specifications	
Precision grade	KHK R 001 Grade 1 *
Reference section of gear	Rotating plane
Gear teeth	Standard full depth
Transverse pressure angle	20°
Helix angle	21°30'
Material	SCM440
Heat treatment	Thermal refining only
Tooth hardness	225 to 352HB

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



Catalog Number	Module	Effective number of teeth	Direction of spiral	Shape	Total Length		Face width	Height	Height to pitch line	Allowable force (N)		Allowable force (kgf)	
					A	B				C	D	Bending strength	Surface durability
KRHG1-100R KRHG1-100L	m1	28	R L	RR RL	98	8	15	14	1290	955	131	97.4	
KRHG1.5-100R KRHG1.5-100L	m1.5	19	R L	RR RL	101	12	20	18.5	2890	2380	295	243	
KRHG2-100R (Made to Order) KRHG2-100L (Made to Order)	m2	13	R L	RR RL	98	16	25	23	5140	4230	524	432	
KRHG2.5-100R (Made to Order) KRHG2.5-100L (Made to Order)	m2.5	10	R L	RR RL	100	20	30	27.5	8030	6610	819	674	
KRHG3-100R (Made to Order) KRHG3-100L (Made to Order)	m3	8	R L	RR RL	102	25	35	32	12000	9810	1230	1000	

Backlash (mm)	Weight (kg)	Catalog Number
0.05~0.15	0.086	KRHG1-100R KRHG1-100L
0.05~0.15	0.18	KRHG1.5-100R KRHG1.5-100L
0.06~0.17	0.28	KRHG2-100R (Made to Order) KRHG2-100L (Made to Order)
0.06~0.17	0.43	KRHG2.5-100R (Made to Order) KRHG2.5-100L (Made to Order)
0.06~0.17	0.64	KRHG3-100R (Made to Order) KRHG3-100L (Made to Order)

Catalog Number	Module	No. of teeth	Direction of spiral	Shape	Total Length		Face width	Height	Height to pitch line	Allowable force (N)		Allowable force (kgf)	
					A	A'				B	C	D	Bending strength
KRHGF1-500R KRHGF1-500L	m1	159	R L	RFR RFL	499.51	502.66	8	15	14	1290	955	131	97.4
KRHGF1.5-500R KRHGF1.5-500L	m1.5	106	R L	RFR RFL	499.51	504.23	12	20	18.5	2890	2380	295	243
KRHGF2-1000R KRHGF2-1000L	m2	160	R L	RFR RFL	1005.31	1011.61	16	25	23	5140	4230	524	432
KRHGF2.5-1000R KRHGF2.5-1000L	m2.5	128	R L	RFR RFL	1005.31	1013.19	20	30	27.5	8030	6610	819	674
KRHGF3-1000R KRHGF3-1000L	m3	106	R L	RFR RFL	999.03	1008.88	25	35	32	12000	9810	1230	1000

Backlash (mm)	Weight (kg)	Catalog Number
0.05~0.15	0.44	KRHGF1-500R KRHGF1-500L
0.05~0.15	0.87	KRHGF1.5-500R KRHGF1.5-500L
0.06~0.17	2.90	KRHGF2-1000R KRHGF2-1000L
0.06~0.17	4.34	KRHGF2.5-1000R KRHGF2.5-1000L
0.06~0.17	6.27	KRHGF3-1000R KRHGF3-1000L

Catalog Number	Module	No. of teeth	Direction of spiral	Shape	Total Length		Face width	Height	Height to pitch line	Mounting hole dimensions			
					A	A'				B	C	D	E
● KRHGF1-500RJ ● KRHGF1-500LJ	m1	159	R L	RDR RDL	499.51	502.66	8	15	14	6	24.76	150	4
● KRHGF1.5-500RJ ● KRHGF1.5-500LJ	m1.5	106	R L	RDR RDL	499.51	504.23	12	20	18.5	8	24.76	150	4
● KRHGF2-1000RJ ● KRHGF2-1000LJ	m2	160	R L	RDR RDL	1005.31	1011.61	16	25	23	10	52.65	180	6
● KRHGF2.5-1000RJ ● KRHGF2.5-1000LJ	m2.5	128	R L	RDR RDL	1005.31	1013.19	20	30	27.5	12	52.65	180	6
● KRHGF3-1000RJ ● KRHGF3-1000LJ	m3	106	R L	RDR RDL	999.03	1008.88	25	35	32	14	49.51	180	6

[Precautions for Made to Order Products] Prices and lead times for Made to Order products require separate estimates. Contact your dealer.

Screw size	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			
M4	4.4	8	4.5	1290	955	131	97.4	0.05~0.15	0.43	● KRHGF1-500RJ ● KRHGF1-500LJ
M5	6	10	6	2890	2380	295	243	0.05~0.15	0.85	● KRHGF1.5-500RJ ● KRHGF1.5-500LJ
M6	7	11	7	5140	4230	524	432	0.06~0.17	2.86	● KRHGF2-1000RJ ● KRHGF2-1000LJ
M8	8.6	14	9	8030	6610	819	674	0.06~0.17	4.24	● KRHGF2.5-1000RJ ● KRHGF2.5-1000LJ
M10	10.8	17.5	11	12000	9810	1230	1000	0.06~0.17	6.09	● KRHGF3-1000RJ ● KRHGF3-1000LJ

Recommended Mating Pinions



KHG Ground Helical Gears

Please see Page 194 for more details.