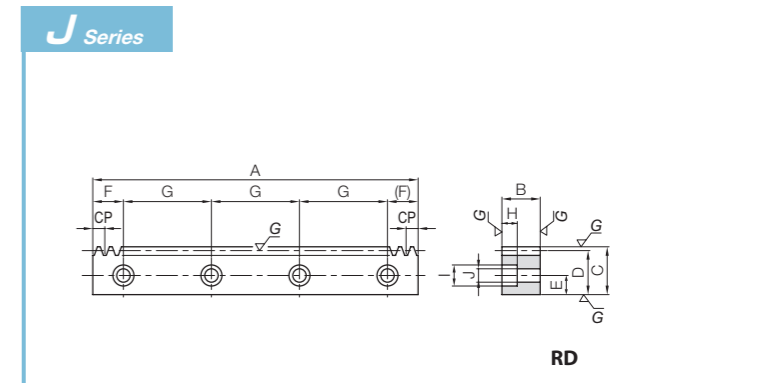
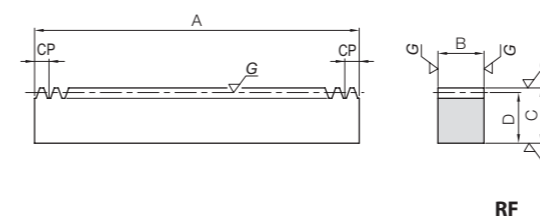
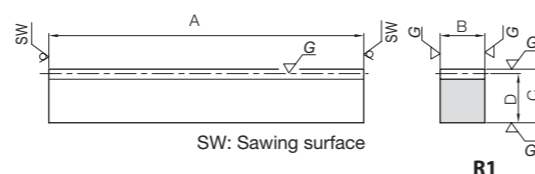


Specifications	
Precision grade	KHK R 001 grade 1
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refining only
Tooth hardness	225 to 352HB



Catalog Number	Pitch mm (Module)	Effective number 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>KRGCP5-100</b>	<b>CP5</b> (1.5915)	18	R1	98	15	20	18.41	3660	1560	373	159
<b>KRGCP10-100</b>	<b>CP10</b> (3.1831)	8		98	30	35	31.82	14600	6230	1490	635

Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.14	0.21	<b>KRGCP5-100</b>
0.05~0.16	0.73	<b>KRGCP10-100</b>

Catalog Number	Pitch mm (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>KRGCPF5-500</b>	<b>CP5</b> (1.5915)	100	RF	500	15	20	18.41	3660	1560	373	159
<b>KRGCPF5-1000</b>		200		1000							
<b>KRGCPF10-500</b>	<b>CP10</b> (3.1831)	50		500	30	35	31.82	14600	6230	1490	635
<b>KRGCPF10-1000</b>		100		1000							

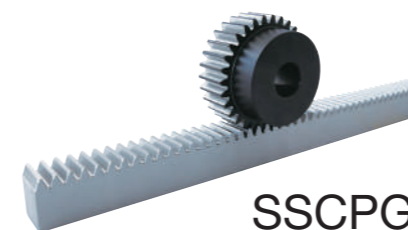
Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.14	1.08	<b>KRGCPF5-500</b>
	2.17	<b>KRGCPF5-1000</b>
0.05~0.16	3.75	<b>KRGCPF10-500</b>
	7.49	<b>KRGCPF10-1000</b>

Catalog Number	Pitch mm (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>KRGCPFD5-500J</b> ● <b>KRGCPFD5-1000J</b>	<b>CP5</b> (1.5915)	100	RD	500	15	20	18.41	8	25.00	150	4	M5
		200		1000								
● <b>KRGCPFD10-500J</b> ● <b>KRGCPFD10-1000J</b>	<b>CP10</b> (3.1831)	50		500	30	35	31.82	14	25.00	150	4	M10
		100		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	3660	1560	373	159	0.04~0.14	1.06 2.13	● <b>KRGCPFD5-500J</b> ● <b>KRGCPFD5-1000J</b>
10.8	17.5	11	14600	6230	1490	635	0.05~0.16	3.61 7.28	● <b>KRGCPFD10-500J</b> ● <b>KRGCPFD10-1000J</b>

\* CP30 and ground racks with total lengths up to (A) 1500mm and heights up to (C) 120mm are also available by request as custom-made products.

**Recommended Mating Pinions**



Please see Page 282 for more details.

DLS Schmiersysteme  
**Rack & Pinion Lubrication System**  
 PUSCP lubricated spur gear

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