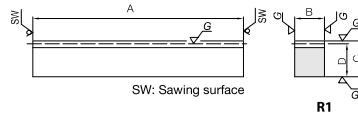


Specifications	
Precision grade	KHK R 001 grade 1
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refining only
Tooth hardness	225 to 352HB



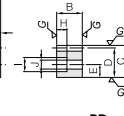
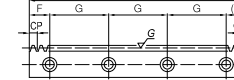
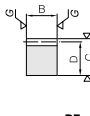
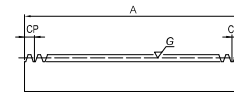
Catalog Number	Pitch mm (Module)	Effective number of teeth	Shape	Total Length				Allowable force (N)				Allowable force (kgf)	
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability		
KRGCP5-100	CP5 (1.5915)	18	R1	98	15	20	18.41	3660	1560	373	159		
KRGCP10-100	CP10 (3.1831)	8		98	30	35	31.82	14600	6230	1490	635		

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length				Allowable force (N)				Allowable force (kgf)	
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability		
KRGCPF5-500	CP5 (1.5915)	100	RF	500	15	20	18.41	3660	1560	373	159		
KRGCPF5-1000		200		1000									
KRGCPF10-500	CP10 (3.1831)	50		500	30	35	31.82	14600	6230	1490	635		
KRGCPF10-1000		100		1000									

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length				Mounting hole dimensions				
				A	B	C	D	E	F	G	No. of holes	Screw size
● KRGCPFD5-500J ● KRGCPFD5-1000J	CP5 (1.5915)	100	RD	500	15	20	18.41	8	25.00	150	4	M5
		200		1000					50.00	180	6	
● KRGCPFD10-500J ● KRGCPFD10-1000J	CP10 (3.1831)	50		500	30	35	31.82	14	25.00	150	4	
		100		1000					50.00	180	6	

- [Caution on Product Characteristics]
- The allowable forces shown in the table are calculated values according to the assumed usage conditions. Please see Page 269 for more details.
 - The backlash values shown in the table are the theoretical values for the backlash in the circumferential direction of SSCPG pinions with the same pitch.
 - After attaching the racks to the base, please fasten with dowel pins. Clamping only with mounting screws could possibly cause the screws to be broken, due to a heavy load. For details, please see the assembly method to the mounting base on Page 271.
- [Caution on Secondary Operations]
- Please read "Cautions on Performing Secondary Operations" (Page 270) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK system for quick modification of KHK stock gears, is also available.
- [Caution on J series]
- As available-on-request products, these require a **lead-time for shipping of 2 working days (excludes the day ordered), after placing an order**. Because the machining starts immediately, **we cannot accept cancellations**. Please see Page 34 for more details. Also, please allow additional shipping time to get to your local distributor.
 - Number of pieces we can process for one order is 1 to 20 units**. For larger quantities, please request price and delivery quotes.

* 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.

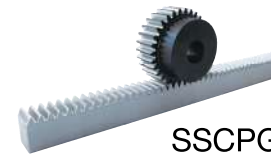


Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.14	0.21	KRGCP5-100
0.05~0.16	0.73	KRGCP10-100

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

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	● KRGCPFD5-500J ● KRGCPFD5-1000J
10.8	17.5	11	14600	6230	1490	635	0.05~0.16	3.61	● KRGCPFD10-500J ● KRGCPFD10-1000J

Recommended Mating Pinions



SSCPG

Please see Page 280 for more details.

DLS Schmiersysteme New Products

Rack & Pinion Lubrication System

PUSCP lubricated spur gear

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