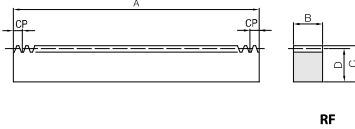




Specifications	
Precision grade	KHK R 001 grade 5
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coating



RF

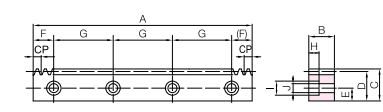
Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length				Allowable force (N)				Allowable force (kgf)	
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability		
KRCPF5-1000H	CP5 (1.5915)	200	RF	1000	15	20	18.41	3330	1850	339	189		
KRCPF10-1000H	CP10 (3.1831)	100		1000	30	35	31.82	13300	7710	1360	786		

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
● KRCPFD5-1000HJ	CP5 (1.5915)	200	RD	1000	15	20	18.41	8	50	180	6	M5
● KRCPFD10-1000HJ	CP10 (3.1831)	100		1000	30	35	31.82	14				M10

[Caution on Product Characteristics] ① The allowable forces shown in the table are calculated values according to the assumed usage conditions. Please see Page 269 for more details.
 ② The backlash values shown in the table are the theoretical values for the backlash in the circumferential direction of recommended pinions with the same pitch.
 ③ The dimensions may vary widely due to hardening. Therefore, the total composite error is assumed to be excluded from this accuracy standard.
 ④ There is a decarburized layer (about 0.5 mm) on the surface of the extruded products. The hardness of the decarburized layer, excluding the tooth surface, is (187 HB or less).

[Caution on Secondary Operations] ① 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.
 ② Due to the gear teeth being induction hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 2 to 3 mm). Please use wire EDM or other carbide tools to modify the length.

J Series



RD



Backlash (mm)	Weight (kg)	Catalog Number
0.05~0.31	2.17	KRCPF5-1000H
0.10~0.41	7.49	KRCPF10-1000H

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	3330	1850	339	189	0.05~0.31	2.13	● KRCPFD5-1000HJ
10.8	17.5	11	13300	7710	1360	786	0.10~0.41	7.29	● KRCPFD10-1000HJ

[Caution on J series] ① 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.
 ② Number of pieces we can process for one order is 1 to 20 units. For larger quantities, please request price and delivery quotes.
 ③ Black oxide is NOT re-applied after the secondary operation of adding mounting holes.

* 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



KSSCP-H

Please see Page 286 for more details.