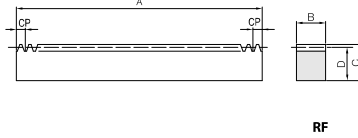




Specifications	
Precision grade	KHK R 001 grade 5
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coating



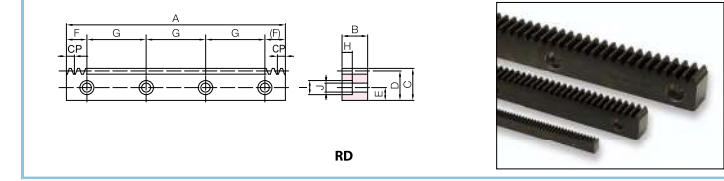
RF

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length				Face width		Height	Height to pitch line	Allowable force (N)		Allowable force (kgf)	
				A	B	C	D	E	F			G	H	I	
<b>SRCPF5-1000H</b>	<b>CP5</b> (1.5915)	200	RF	1000	15	20	18.41	2080	1200	212	122	2080	1200	212	122
<b>SRCPF10-1000H</b>	<b>CP10</b> (3.1831)	100		1000	30	35	31.82	8320	4980	848	508	8320	4980	848	508
<b>SRCPF15-1000H</b>	<b>CP15</b> (4.7746)	67		1005	50	50	45.23	20800	12400	2120	1260	20800	12400	2120	1260
<b>SRCPF20-1000H</b>	<b>CP20</b> (6.3662)	50		1000	60	60	53.63	33300	20800	3390	2120	33300	20800	3390	2120

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
<b>SRCPFD5-1000HJ</b>	<b>CP5</b> (1.5915)	200	RD	1000	15	20	18.41	8	50	180	6	M5
<b>SRCPFD10-1000HJ</b>	<b>CP10</b> (3.1831)	100		1000	30	35	31.82	14	50	180	6	M10
<b>SRCPFD15-1000HJ</b>	<b>CP15</b> (4.7746)	67		1005	50	50	45.23	20	62.5	220	5	M14
<b>SRCPFD20-1000HJ</b>	<b>CP20</b> (6.3662)	50		1000	60	60	53.63	23	60	220	5	M16

- [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.
- [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.

J Series



RD

Backlash (mm)	Weight (kg)	Catalog Number
0.05~0.29	2.17	<b>SRCPF5-1000H</b>
0.10~0.39	7.49	<b>SRCPF10-1000H</b>
0.16~0.51	17.8	<b>SRCPF15-1000H</b>
0.18~0.58	25.3	<b>SRCPF20-1000H</b>

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	2080	1200	212	122	0.05~0.29	2.13	<b>SRCPFD5-1000HJ</b>
10.8	17.5	11	8320	4980	848	508	0.10~0.39	7.29	<b>SRCPFD10-1000HJ</b>
15.2	23	16	20800	12400	2120	1260	0.16~0.51	17.3	<b>SRCPFD15-1000HJ</b>
17.5	26	18	33300	20800	3390	2120	0.18~0.58	24.5	<b>SRCPFD20-1000HJ</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



SSCP-H

Please see Page 288 for more details.