



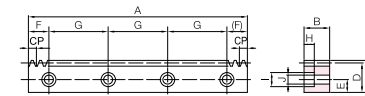
Specifications	
Precision grade	KHK R 001 Grade 4*
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Gear teeth laser hardened
Tooth hardness	55 to 65HRC
Surface treatment	Black oxide coating

\* The precision grade of these products is equivalent to the value shown in the table.



RF

J Series



RD



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
SRCPF5-1000HL	CP5 (1.5915)	200	RF	1000	15	20	18.41	2290	1040	232	106
SRCPF5-1500HL		300		1500							
SRCPF5-2000HL		410		2050							
SRCPF10-1000HL	CP10 (3.1831)	100		1000	30	35	31.82	9150	4330	933	441
SRCPF10-1500HL		150		1500							
SRCPF10-2000HL		205		2050							
SRCPF15-1000HL	CP15 (4.7746)	67		1005	50	50	45.23	22900	10700	2333	1095
SRCPF15-1500HL		100		1500							
SRCPF15-2000HL		136		2040							
SRCPF20-1000HL	CP20 (6.3662)	50		1000	60	60	53.63	36600	18100	3732	1843
SRCPF20-1500HL		75		1500							
SRCPF20-2000HL		102		2040							

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
SRCPFD5-1000HLJ	CP5 (1.5915)	200	RD	1000	15	20	18.41	8	50	180	6	M5
SRCPFD5-1500HLJ		300		30					9			
SRCPFD5-2000HLJ		410		35					12			
SRCPFD10-1000HLJ	CP10 (3.1831)	100		1000	30	35	31.82	14	50	180	6	M10
SRCPFD10-1500HLJ		150		30					9			
SRCPFD10-2000HLJ		205		35					12			
SRCPFD15-1000HLJ	CP15 (4.7746)	67		1005	50	50	45.23	20	62.5	220	5	M14
SRCPFD15-1500HLJ		100		90					7			
SRCPFD15-2000HLJ		136		30					10			
SRCPFD20-1000HLJ	CP20 (6.3662)	50		1000	60	60	53.63	23	60	220	5	M16
SRCPFD20-1500HLJ		75		90					7			
SRCPFD20-2000HLJ		102		30					10			

- [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 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 laser hardened, no secondary operations can be performed on tooth areas. Please use wire EDM or other carbide tools to modify the length.

Backlash (mm)	Weight (kg)	Catalog Number
0.09~0.25	2.17	SRCPF5-1000HL
	3.25	SRCPF5-1500HL
	4.44	SRCPF5-2000HL
0.14~0.35	7.49	SRCPF10-1000HL
	11.2	SRCPF10-1500HL
	15.4	SRCPF10-2000HL
0.20~0.47	17.8	SRCPF15-1000HL
	26.6	SRCPF15-1500HL
	36.2	SRCPF15-2000HL
0.22~0.54	25.3	SRCPF20-1000HL
	37.9	SRCPF20-1500HL
	51.5	SRCPF20-2000HL

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	2290	1040	232	106	0.09~0.25	2.13	SRCPFD5-1000HLJ	
									3.20	SRCPFD5-1500HLJ
									4.38	SRCPFD5-2000HLJ
10.8	17.5	11	9150	4330	933	441	0.14~0.35	7.29	SRCPFD10-1000HLJ	
									10.9	SRCPFD10-1500HLJ
									14.9	SRCPFD10-2000HLJ
15.2	23	16	22900	10700	2333	1095	0.20~0.47	17.3	SRCPFD15-1000HLJ	
									25.9	SRCPFD15-1500HLJ
									35.2	SRCPFD15-2000HLJ
17.5	26	18	36600	18100	3732	1843	0.22~0.54	24.5	SRCPFD20-1000HLJ	
									36.8	SRCPFD20-1500HLJ
									50.0	SRCPFD20-2000HLJ

- [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



Please see Page 288 for more details.