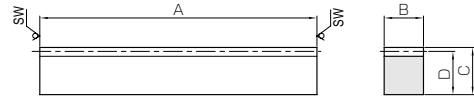




Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Stress relief annealing
Tooth hardness	less than 95HRB



* SW Saw Blade Finished

R1

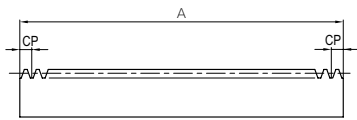
Catalog No.	Pitch mm (Module)	Effective no. of teeth	Shape	Total length				Allowable force (N)		Allowable force (kgf)		Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	
SRCP2.5-100	CP2.5 (0.7958)	38	R1	98	10	12	11.2	763	143	77.8	14.5	0.086
SRCP5-100	CP5 (1.5915)	18	R1	98	15	20	18.41	2290	468	233	47.7	0.21
SRCP10-100	CP10 (3.1831)	8	R1	98	30	35	31.82	9150	1870	933	191	0.73
SRCP15-100	CP15 (4.7746)	5	R1	103	50	50	45.23	22900	4530	2330	462	1.83
SRCP20-100	CP20 (6.3662)	3	R1	98	60	60	53.63	36600	7480	3730	763	2.48

Catalog No.	Pitch mm (Module)	No. of teeth	Shape	Total length				Allowable force (N)		Allowable force (kgf)		Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	
SRCPF2.5-500	CP2.5 (0.7958)	200	RF	500	10	12	11.2	763	143	77.8	14.5	0.44
SRCPF2.5-1000		400		1000								0.88
SRCPF5-500	CP5 (1.5915)	100	RF	500	15	20	18.41	2290	468	233	47.7	1.08
SRCPF5-1000		200		1000								2.17
SRCPF5-1500		300		1500								3.25
SRCPF5-2000		410		2050								4.44
SRCPF10-500	CP10 (3.1831)	50	RF	500	30	35	31.82	9150	1870	933	191	3.75
SRCPF10-1000		100		1000								7.49
SRCPF10-1500		150		1500								11.2
SRCPF10-2000		205		2050								15.4
SRCPF15-500	CP15 (4.7746)	33	RF	495	50	50	45.23	22900	4530	2330	462	8.79
SRCPF15-1000		67		1005								17.8
SRCPF15-1500		100		1500								26.6
SRCPF15-2000		136		2040								36.2
SRCPF20-500	CP20 (6.3662)	25	RF	500	60	60	53.63	36600	7480	3730	763	12.6
SRCPF20-1000		50		1000								25.3
SRCPF20-1500		75		1500								37.9
SRCPF20-2000		102		2040								51.5

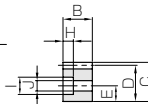
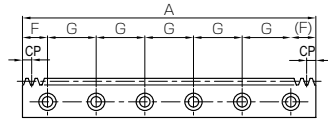
Catalog No.	Pitch mm (Module)	No. of teeth	Shape	Total length				Mounting hole dimensions			No. of mounting holes	Mounting screw size
				A	B	C	D	E	F	G		
SRCPFD5-1000	CP5 (1.5915)	200	RD	1000	15	20	18.41	8	50	180	6	M5
SRCPFD5-1500		300		30					9			
SRCPFD5-2000		410		35					12			
SRCPFD10-1000	CP10 (3.1831)	100	RD	1000	30	35	31.82	14	50	180	6	M10
SRCPFD10-1500		150		30					9			
SRCPFD10-2000		205		35					12			
SRCPFD15-1000	CP15 (4.7746)	67	RD	1005	50	50	45.23	20	62.5	220	5	M14
SRCPFD15-1500		100		90					7			
SRCPFD15-2000		136		30					10			
SRCPFD20-1000	CP20 (6.3662)	50	RD	1000	60	60	53.63	23	60	220	5	M16
SRCPFD20-1500		75		90					7			
SRCPFD20-2000		102		30					10			

[Caution on Product Characteristics]

- ① The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see page 401 for more details.
- ② Backlash of racks vary depending on mating pinions. Please calculate the backlash in accordance with the backlash of the mating pinion and values in the table "Backlash of Rack Tooth (Amount of Tooth-Thinning)" (Page 375).
- ③ 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.



RF



RD

Spur Gears

Helical Gears

Internal Gears

Racks

CP Racks & Pinions

Miter Gears

Bevel Gears

Screw Gears

Worm Gear Pair

Bevel Gearboxes

Other Products

Counterbore dimensions			Allowable force (N)		Allowable force (kgf)		Weight (kg)	Catalog No.
H	I	J	Bending strength	Surface durability	Bending strength	Surface durability		
6	10	6	2290	468	233	47.7	2.13	SRCPFD5-1000 SRCPFD5-1500 SRCPFD5-2000
							3.20	
							4.38	
10.8	17.5	11	9150	1870	933	191	7.29	SRCPFD10-1000 SRCPFD10-1500 SRCPFD10-2000
							10.9	
							14.9	
15.2	23	16	22900	4530	2330	462	17.3	SRCPFD15-1000 SRCPFD15-1500 SRCPFD15-2000
							25.9	
							35.2	
17.5	26	18	36600	7480	3730	763	24.5	SRCPFD20-1000 SRCPFD20-1500 SRCPFD20-2000
							36.8	
							50.0	

[Caution on Secondary Operations]

- ① Please read “Caution on Performing Secondary Operations” (Page 402) when performing modifications and/or secondary operations for safety concerns. Haguruma Kobo, the KHK’s system for quick modification of KHK stock gears is also available.
- ② If gear tooth hardening, or thermal refining, is applied, the decarburization layer (approx. 0.5 mm thickness) on the rectangular surfaces cannot have the hardness you designate.
- ③ Avoid hardening Racks with bolt holes, due to deformation occurring at the mounting hole and the difficulty of straightening the rack after hardening.