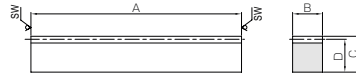




Specifications	
Precision grade	KHK R 001 grade 4 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 95HRB)

* The precision grade of J Series products is equivalent to the value shown in the table.

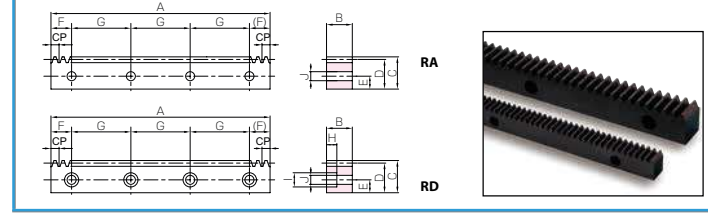


R1

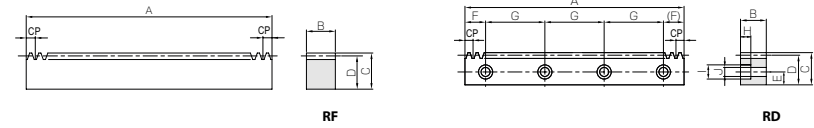
Catalog No.	Pitch mm (Module)	Effective no. of teeth	Shape	Total length				Allowable force (N)		Allowable force (kgf)		Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	
SRCP2.5-100	CP2.5 (0.7958)	38	R1	98	10	12	11.2	763	143	77.8	14.5	0.086
SRCP5-100	CP5 (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		2.17								
SRCPF5-1500		300		3.25								
SRCPF5-2000		410		4.44								
SRCPF10-500	CP10 (3.1831)	50	RF	500	30	35	31.82	9150	1870	933	191	3.75
SRCPF10-1000		100		7.49								
SRCPF10-1500		150		11.2								
SRCPF10-2000		205		15.4								
SRCPF15-500	CP15 (4.7746)	33	RF	495	50	50	45.23	22900	4530	2330	462	8.79
SRCPF15-1000		67		17.8								
SRCPF15-1500		100		26.6								
SRCPF15-2000		136		36.2								
SRCPF20-500	CP20 (6.3662)	25	RF	500	60	60	53.63	36600	7480	3730	763	12.6
SRCPF20-1000		50		25.3								
SRCPF20-1500		75		37.9								
SRCPF20-2000		102		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		
● SRCPF2.5-500J	CP2.5 (0.7958)	200	RA	500	10	12	11.2	5	25	150	4	M4
● SRCPFD5-500J	CP5 (1.5915)	100	RD	500	15	20	18.41	8	25	150	4	M5
● SRCPFD5-1000		200		6								
● SRCPFD5-1500		300		9								
● SRCPFD5-2000		410		12								
● SRCPFD10-500J	CP10 (3.1831)	50	RD	500	30	35	31.82	14	25	150	4	M10
● SRCPFD10-1000		100		6								
● SRCPFD10-1500		150		9								
● SRCPFD10-2000		205		12								
● SRCPFD15-500J	CP15 (4.7746)	33	RD	495	50	50	45.23	20	27.5	220	3	M14
● SRCPFD15-1000		67		5								
● SRCPFD15-1500		100		7								
● SRCPFD15-2000		136		10								
● SRCPFD20-500J	CP20 (6.3662)	25	RD	500	60	60	53.63	23	30	220	3	M16
● SRCPFD20-1000		50		5								
● SRCPFD20-1500		75		7								
● SRCPFD20-2000		102		10								



SRCPFD



- [Caution on Product Characteristics]
- The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see Page 227 for more details.
 - 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 191).
 - 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.
- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 228) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.
 - 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.
 - Avoid hardening Racks with bolt holes, due to deformation occurring at the mounting hole and the difficulty of straightening the rack after hardening.
- [Caution on J series]
- As available-on-request products, requires a lead-time for shipping within **2 working-days (excludes the day ordered), after placing an order**. Please allow additional shipping time to get to your local distributor.
 - Number of products we can process for one order is **1 to 20 units**. For quantities of 21 or more pieces, we need to quote price and lead time.
 - No black oxide is re-applied after adding secondary operation of mounting holes.

Counterbore dimensions			Allowable force (N)		Allowable force (kgf)		Weight (kg)	Catalog No.
H	I	J	Bending strength	Surface durability	Bending strength	Surface durability		
-	-	4.5	763	143	77.8	14.5	0.43	● SRCPF2.5-500J
6	10	6	2290	468	233	47.7	1.06 2.13 3.20 4.38	● SRCPFD5-500J ● SRCPFD5-1000 ● SRCPFD5-1500 ● SRCPFD5-2000
10.8	17.5	11	9150	1870	933	191	3.61 7.29 10.9 14.9	● SRCPFD10-500J ● SRCPFD10-1000 ● SRCPFD10-1500 ● SRCPFD10-2000
15.2	23	16	22900	4530	2330	462	8.47 17.3 25.9 35.2	● SRCPFD15-500J ● SRCPFD15-1000 ● SRCPFD15-1500 ● SRCPFD15-2000
17.5	26	18	36600	7480	3730	763	12.2 24.5 36.8 50.0	● SRCPFD20-500J ● SRCPFD20-1000 ● SRCPFD20-1500 ● SRCPFD20-2000