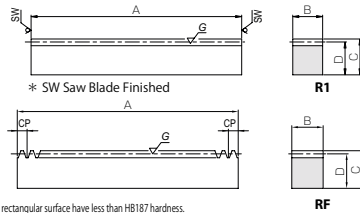




Specifications	
Precision grade	KHK R 001 grade 3 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Tooth surface induction hardened
Tooth hardness	50 ~ 60HRC *

* The precision grade of J Series products is equivalent to the value shown in the table.
 * Due to the decarburization layer of about 0.5 mm thickness, the rectangular surface have less than HB187 hardness.

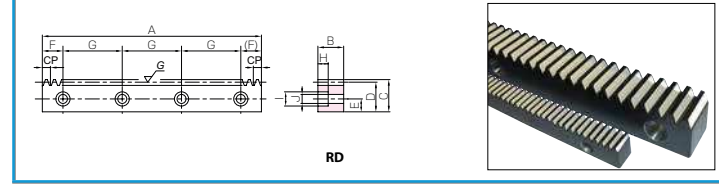


Catalog No.	Pitch mm (Module)	Effective no. of teeth	Shape	Total length				Allowable force (N)		Allowable force (kgf)		Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	
SRGCP5-100	CP5 (1.5915)	18	R1	98	15	20	18.41	2290	1460	233	149	0.21
SRGCP10-100	CP10 (3.1831)	8	R1	98	30	35	31.82	9150	5860	933	597	0.73
SRGCP15-100	CP15 (4.7746)	5	R1	103	50	50	45.23	22900	14200	2330	1450	1.83
SRGCP20-100	CP20 (6.3662)	3	R1	98	60	60	53.63	36600	23400	3730	2390	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	
SRGCPF5-500	CP5 (1.5915)	100	RF	500	15	20	18.41	2290	1460	233	149	1.08
SRGCPF5-1000	CP5 (1.5915)	200	RF	1000	15	20	18.41	2290	1460	233	149	2.17
SRGCPF10-500	CP10 (3.1831)	50	RF	500	30	35	31.82	9150	5860	933	597	3.75
SRGCPF10-1000	CP10 (3.1831)	100	RF	1000	30	35	31.82	9150	5860	933	597	7.49
SRGCPF15-500	CP15 (4.7746)	33	RF	495	50	50	45.23	22900	14200	2330	1450	8.79
SRGCPF15-1000	CP15 (4.7746)	67	RF	1005	50	50	45.23	22900	14200	2330	1450	17.8
SRGCPF20-500	CP20 (6.3662)	25	RF	500	60	60	53.63	36600	23400	3730	2390	12.6
SRGCPF20-1000	CP20 (6.3662)	50	RF	1000	60	60	53.63	36600	23400	3730	2390	25.3

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		
SRGCPFD5-500J	CP5 (1.5915)	100	RD	500	15	20	18.41	8	25	150	4	M5
SRGCPFD5-1000J	CP5 (1.5915)	200	RD	1000	15	20	18.41	8	50	180	6	M5
SRGCPFD10-500J	CP10 (3.1831)	50	RD	500	30	35	31.82	14	25	150	4	M10
SRGCPFD10-1000J	CP10 (3.1831)	100	RD	1000	30	35	31.82	14	50	180	6	M10
SRGCPFD15-500J	CP15 (4.7746)	33	RD	495	50	50	45.23	20	27.5	220	3	M14
SRGCPFD15-1000J	CP15 (4.7746)	67	RD	1005	50	50	45.23	20	62.5	220	5	M14
SRGCPFD20-500J	CP20 (6.3662)	25	RD	500	60	60	53.63	23	30	220	3	M16
SRGCPFD20-1000J	CP20 (6.3662)	50	RD	1000	60	60	53.63	23	60	220	5	M16

* For products not categorized in our KHK Stock Gear series, custom gear production services with **short lead times** is available. For details see Page 8.

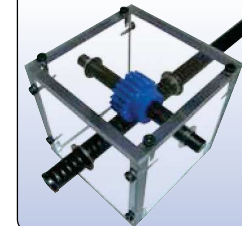


- [Caution on Product Characteristics]
- The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see Page 227 for more details.
 - Backlash of racks vary depending on mating pinions. Please calculate the backlash in accordance with the backlash of the mating pinion and values in the table "Backlash of Rack Tooth (Amount of Tooth-Thinning)" (Page 191).
- [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.
 - 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]
- 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.

* Orders for special, customized ground racks are accepted within the following specifications; CP32, Total length (A): Max.1500mm, Height (C): Max.120mm

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	1460	233	149	1.06 2.13	SRGCPFD5-500J SRGCPFD5-1000J
10.8	17.5	11	9150	5860	933	597	3.61 7.29	SRGCPFD10-500J SRGCPFD10-1000J
15.2	23	16	22900	14200	2330	1450	8.47 17.3	SRGCPFD15-500J SRGCPFD15-1000J
17.5	26	18	36600	23400	3730	2390	12.2 24.5	SRGCPFD20-500J SRGCPFD20-1000J

GCU-R Rack Kit



Installation : Parallel axes gears
 Gear Type : Racks & Pinions
 Gears : SRO1.5-500
 PS1.5-20
 Weight : Approx. 1kg

Use of racks enables the conversion of rotation motion to linear motion. Applications include devices that provide lift.