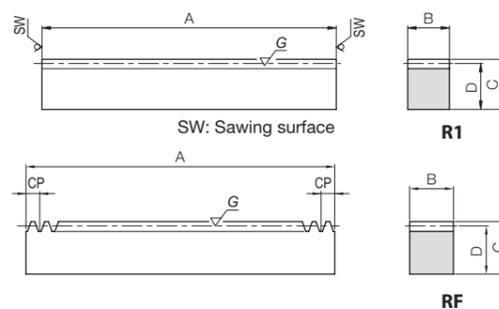


Specifications	
Precision grade	KHK R 001 Grade 3 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for teeth

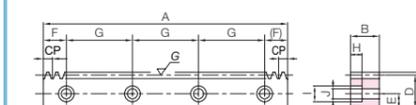
\* The precision grade of J Series products is equivalent to the value shown in the table.



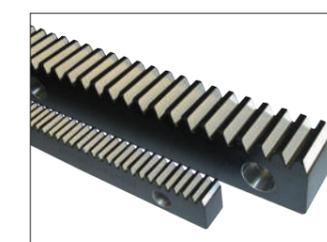
Catalog Number	Pitch mm (Module)	Effective number of teeth	Shape	Total Length		Face width	Height	Height to pitch line	Allowable force (N)		Allowable force (kgf)	
				A	B				C	D	Bending strength	Surface durability
SRGCP5-100	CP5 (1.5915)	18	R1	98	15	20	18.41	2290	1460	233	149	
SRGCP10-100	CP10 (3.1831)	8		98	30	35	31.82	9150	5860	933	597	
SRGCP15-100	CP15 (4.7746)	5		103	50	50	45.23	22900	14200	2330	1450	
SRGCP20-100	CP20 (6.3662)	3		98	60	60	53.63	36600	23400	3730	2390	

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	Bending strength	Surface durability
SRGCPF5-500	CP5 (1.5915)	100	RF	500	15	20	18.41	2290	1460	233	149	
SRGCPF5-1000		200		1000	30	35	31.82	9150	5860	933	597	
SRGCPF10-500	CP10 (3.1831)	50		500	50	50	45.23	22900	14200	2330	1450	
SRGCPF10-1000		100		1000	60	60	53.63	36600	23400	3730	2390	

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length		Face width	Height	Height to pitch line	Mounting hole dimensions			
				A	B				C	D	E	F
● SRGCPFD5-500J	CP5 (1.5915)	100	RD	500	15	20	18.41	8	25	150	4	M5
● SRGCPFD5-1000J		200		1000	30	35	31.82	14	25	150	4	M10
● SRGCPFD10-500J	CP10 (3.1831)	50		500	50	50	45.23	20	27.5	220	3	M14
● SRGCPFD10-1000J		100		1000	60	60	53.63	23	30	220	3	M16

**J Series**


RD



Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.19	0.21	SRGCP5-100
0.05~0.21	0.73	SRGCP10-100
0.05~0.22	1.83	SRGCP15-100
0.05~0.22	2.48	SRGCP20-100

Backlash (mm)	Weight (kg)	Catalog Number
0.04~0.19	1.08	SRGCPF5-500
	2.17	SRGCPF5-1000
0.05~0.21	3.75	SRGCPF10-500
	7.49	SRGCPF10-1000
0.05~0.22	8.79	SRGCPF15-500
	17.8	SRGCPF15-1000
0.05~0.22	12.6	SRGCPF20-500
	25.3	SRGCPF20-1000

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	1460	233	149	0.04~0.19	1.06	● SRGCPFD5-500J
								2.13	● SRGCPFD5-1000J
10.8	17.5	11	9150	5860	933	597	0.05~0.21	3.61	● SRGCPFD10-500J
								7.29	● SRGCPFD10-1000J
15.2	23	16	22900	14200	2330	1450	0.05~0.22	8.47	● SRGCPFD15-500J
								17.3	● SRGCPFD15-1000J
17.5	26	18	36600	23400	3730	2390	0.05~0.22	12.2	● SRGCPFD20-500J
								24.5	● SRGCPFD20-1000J

\* 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**


SSCPGS

Please see Page 282 for more details.



SSCPG

Please see Page 282 for more details.

DLS Schmiersysteme  
**Rack & Pinion Lubrication System**  
 PUSCP lubricated spur gear

Page 474

