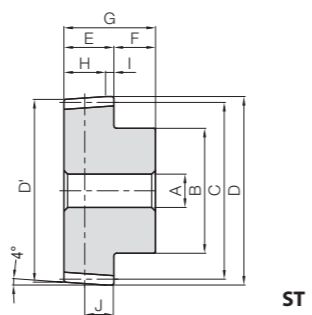
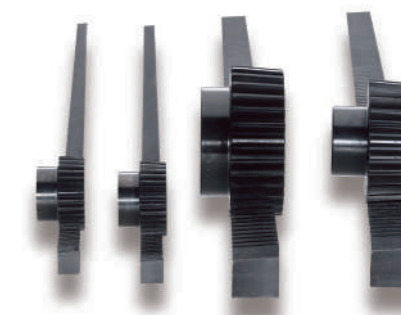
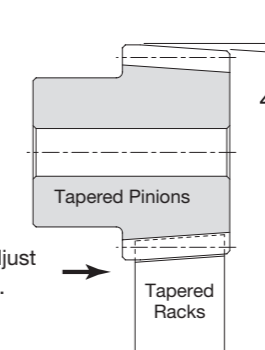




Specifications	
Precision grade	JIS grade N8 (JIS B1702-1: 1998)
Gear teeth	Standard full depth
Pressure angle	20°
Material	SCM440
Heat treatment	Thermal refining only
Tooth hardness	225 to 352HB
Surface treatment	Black oxide coating



Moving it by 1 mm will adjust the backlash by 0.05 mm.

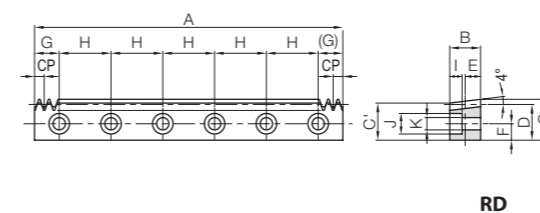
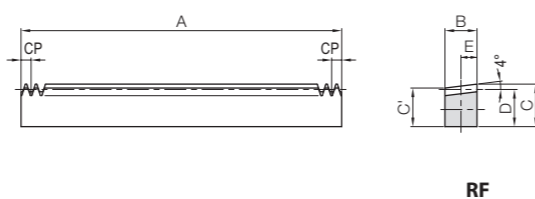


Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Bore	Hub dia.	Pitch dia.	Outside dia. (major)	Outside dia. (minor)	Total tooth width	Hub width	Total length
				AH7	B	C	D	D'	E	F	G
KTSCP5-20 KTSCP5-30 KTSCP5-40	CP5 (1.5915)	20	ST	8	25	31.83	36.06	33.97	18	15	33
		30		10	38	47.75	51.98	49.88			
		40		12	45	63.66	67.89	65.8			
KTSCP10-20 KTSCP10-25 KTSCP10-30	CP10 (3.1831)	20	ST	15	50	63.66	72.13	67.93	36	20	56
		25		20	60	79.58	88.04	83.85			
		30		20	75	95.49	103.96	99.76			

Reference face width	Adjustable width	Position of reference tooth	Distance traveled in one turn (mm)	Allowable torque (N-m)		Allowable torque (kgf-m)		Mounting distance (mm)	Backlash (mm)	Weight (kg)	Catalog Number
				Bending strength	Surface durability	Bending strength	Surface durability				
H	I	J	100	42.7	7.89	4.35	0.80	33.30	0~0.11	0.16	KTSCP5-20 KTSCP5-30 KTSCP5-40
			150	72.8	21.0	7.42	2.15	41.26			
			200	104	41.7	10.6	4.25	49.21			
30	6	21	200	341	68.2	34.8	6.96	62.10	0~0.12	1.13	KTSCP10-20 KTSCP10-25 KTSCP10-30
			250	461	117	47.0	11.9	70.06			
			300	582	182	59.4	18.0	78.02			



Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 210HB)
Surface treatment	Black oxide coating



SRCP5-100, SRCP10-100  
**Assembly Gauges**

Material: S45C  
Accuracy: KHK R 001 Grade 4  
Please see Page 300 in the Master Catalog for more details.

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length	Face width	Height (major)	Height (minor)	Height to pitch line	Position of reference tooth
				A	B	C	C'	D	E
STRCPF5-1000	CP5 (1.5915)	200	RF	1000	15	19.5	18.45	17.38	7.5
STRCPF10-1000	CP10 (3.1831)	100			30	34.5	32.4	30.27	15

Allowable force (N)		Allowable force (kgf)		Backlash (mm)	Weight (kg)	Catalog Number
Bending strength	Surface durability	Bending strength	Surface durability			
2290	421	233	42.9	0~0.11	2.05	STRCPF5-1000
9150	1820	933	186	0~0.12	7.13	STRCPF10-1000

Catalog Number	Pitch mm (Module)	No. of teeth	Shape	Total Length	Face width	Height (major)	Height (minor)	Height to pitch line	Position of reference tooth	Mounting hole dimensions				
				A	B	C	C'	D	E	F	G	H	No. of holes	Screw size
STRCPFD5-1000	CP5 (1.5915)	200	RD	1000	15	19.5	18.45	17.38	7.5	8	50	180	6	M5
STRCPFD10-1000	CP10 (3.1831)	100			30	34.5	32.4	30.27	15	14	14	50	180	6

Counterbore dimensions			Allowable force (N)		Allowable force (kgf)		Backlash (mm)	Weight (kg)	Catalog Number
I	J	K	Bending strength	Surface durability	Bending strength	Surface durability			
6	10	6	2290	421	233	42.9	0~0.11	2.01	STRCPFD5-1000
10.8	17.5	11	9150	1820	933	186	0~0.12	6.92	STRCPFD10-1000

[Caution on Product Characteristics] ① When connecting the racks to use as a continuous rack length, adjust the pitch of the joint using identical racks or with an SRCP□-100 rack product of the same pitch. Please read Points of Caution in Assembling (Page 276) for details.  
[Caution on Secondary Operations] ① Avoid hardening racks with bolt holes, due to mounting hole deformation.