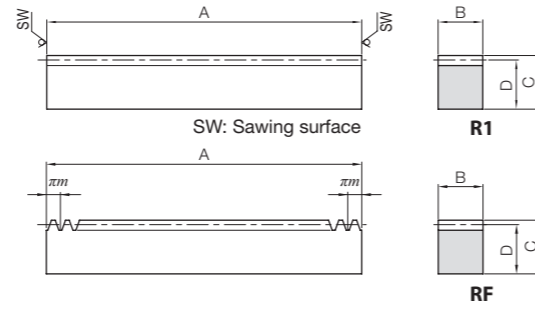


Specifications	
Precision grade	KHK R 001 Grade 5 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	MC901
Heat treatment	—
Tooth hardness	(115 to 120HRR)

* The precision grade is equivalent to the value shown in the table.



Catalog Number	Module	Effective number of teeth	Shape	Total Length				Allowable force (N)		Backlash (mm)	Weight (kg)
				A	B	C	D	Bending strength	Bending strength		
PR1-500	m1	159	R1	505	10	12	11	92.8	9.46	0.18~0.39	0.064
PR1.5-500	m1.5	105			15	20	18.5	209	21.3	0.21~0.42	0.16
PR2-500	m2	79			20	25	23	371	37.9	0.24~0.45	0.27
PR2.5-500	m2.5	63			25	30	27.5	580	59.2	0.26~0.49	0.40
PR3-500	m3	52			30	35	32	835	85.2	0.32~0.56	0.56

Catalog Number	Module	No. of teeth	Shape	Total Length				Allowable force (N)		Backlash (mm)	Weight (kg)
				A	B	C	D	Bending strength	Bending strength		
PRF1.5-1000	m1.5	212	RF	999.03	15	20	18.5	209	21.3	0.21~0.42	0.32
PRF2-1000	m2	160		1005.31	20	25	23	371	37.9	0.24~0.45	0.54
PRF2.5-1000	m2.5	128		1005.31	25	30	27.5	580	59.2	0.26~0.49	0.80
PRF3-1000	m3	106		999.03	30	35	32	835	85.2	0.32~0.56	1.11

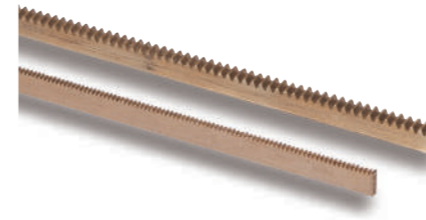
[Caution on Product Characteristics] ① These plastic racks expand and contract depending on the temperature and humidity. The length per 1m changes by 0.45 mm when the temperature changes by 10°C, and about 5 mm with water absorption of 2%. The bending is 5 mm or less per 1 m, but may exceed 5 mm over time in products with total length 1000 mm. Mount for use while correcting along the gear cutting reference surface (bottom).

Recommended Mating Pinions

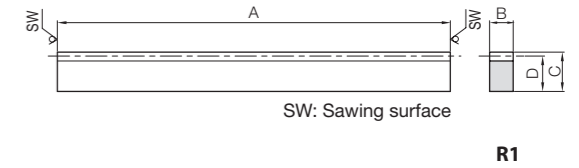


SUS/SUSA Stainless Steel Spur Gears

Please see Page 156 for more details.

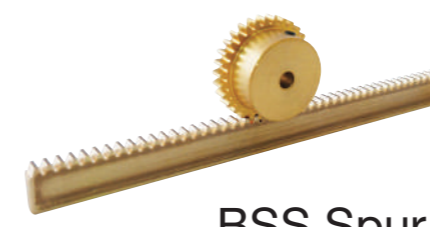


Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	Free cutting brass (C3604)
Heat Treatment	—
Tooth hardness	(80HV or more)



Catalog Number	Module	Effective number of teeth	Shape	Total Length				Allowable force (N)		Backlash (mm)	Weight (kg)		
				A	B	C	D	Bending strength	Surface durability				
BSR0.5-300	m0.5	190	R1	303	3	9	8.5	28.7	—	2.93	—	0.00~0.13	0.066
BSR0.8-300	m0.8	118			4	10	9.2	61.3	—	6.25	—	0.00~0.14	0.095
BSR1-300	m1	94			6	10	9	115	—	11.7	—	0.04~0.21	0.14

Recommended Mating Pinions



BSS Spur Gears

Please see Page 188 for more details.