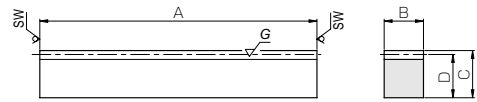


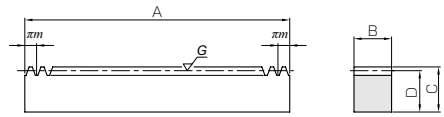


Specifications	
Precision grade	KHK R 001 grade 3 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Tooth surface induction hardened *
Tooth hardness	45 ~ 55HRC *



* SW Saw Blade Finished

R1



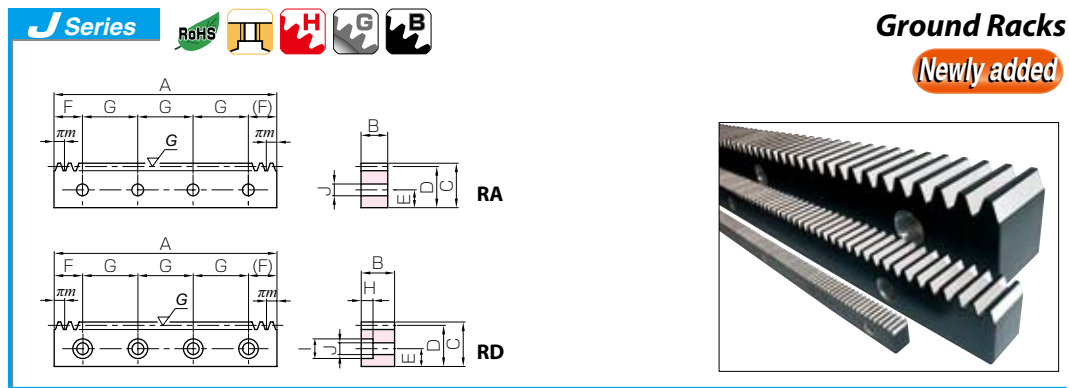
RF

* The precision grade of J Series products is equivalent to the value shown in the table.
 * Tooth surfaces, where the pitch is less than module 0.8, hardness range is 225HB ~ 260HB.
 * Due to the decarburization layer of about 0.5 mm thickness, the rectangular surface have less than HB187 hardness.

Catalog No.	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	
SRG0.5-100	m0.5	61	R1	101	5	12	11.5	293	80.5	29.9	8.21	0.046
SRG0.8-100	m0.8	38	R1	101	8	12.3	11.5	751	206	76.6	21.0	0.073
SRG1-100	m1	29	R1	98	10	12	11	862	514	87.9	52.4	0.085
SRG1.5-100	m1.5	20	R1	101	15	20	18.5	2160	1360	220	138	0.22
SRG2-100	m2	14	R1	98	20	25	23	3830	2410	391	246	0.35
SRG2.5-100	m2.5	11	R1	100	25	30	27.5	5990	3770	611	384	0.54
SRG3-100	m3	9	R1	101	30	35	32	8620	5420	879	553	0.76
SRG4-100	m4	6	R1	98	40	45	41	15300	9640	1560	983	1.26
SRG5-110	m5	5	R1	108	50	50	45	24000	15100	2440	1540	1.91
SRG6-110	m6	4	R1	111	60	60	54	34500	21700	3520	2210	2.82

Catalog No.	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	
SRGF0.5-300	m0.5	191	RF	300.02	5	12	11.5	293	80.5	29.9	8.21	0.14
SRGF0.8-300	m0.8	119	RF	299.08	8	12.3	11.5	751	206	76.6	21.0	0.22
SRGF1-300	m1	96	RF	301.59	10	12	11	862	514	87.9	52.4	0.26
SRGF1-500	m1	159	RF	499.51								0.43
SRGF1.5-500	m1.5	106	RF	499.51	15	20	18.5	2160	1360	220	138	1.09
SRGF1.5-1000	m1.5	212	RF	999.03								2.18
SRGF2-500	m2	80	RF	502.65	20	25	23	3830	2410	391	246	1.82
SRGF2-1000	m2	160	RF	1005.31								3.63
SRGF2.5-500	m2.5	64	RF	502.65	25	30	27.5	5990	3770	611	384	2.71
SRGF2.5-1000	m2.5	128	RF	1005.31								5.43
SRGF3-500	m3	53	RF	499.51	30	35	32	8620	5420	879	553	3.76
SRGF3-1000	m3	106	RF	999.03								7.53
SRGF4-500	m4	40	RF	502.65	40	45	41	15300	9640	1560	983	6.47
SRGF4-1000	m4	80	RF	1005.31								12.9
SRGF5-500	m5	32	RF	502.65	50	50	45	24000	15100	2440	1540	8.88
SRGF5-1000	m5	64	RF	1005.31								17.8
SRGF6-500	m6	26	RF	490.09	60	60	54	34500	21700	3520	2210	12.5
SRGF6-1000	m6	53	RF	999.03								25.4

Catalog No.	Module	No. of teeth	Shape	Total length				Mounting hole dimensions			No. of mounting holes	Mounting screw size
				A	B	C	D	E	F	G		
● SRGFK0.5-300J	m0.5	191	RA	300.02	5	12	11.5	5.5	15.01	90	4	M3
● SRGFK0.8-300J	m0.8	119	RA	299.08	8	12.3	11.5	5.5	14.54	90	4	M4
● SRGFK1-300J	m1	96	RA	301.59	10	12	11	5	20.80	130	3	M4
● SRGFK1-500J		159		24.76					150	4		
● SRGFD1.5-500J	m1.5	106	RD	499.51	15	20	18.5	8	24.76	150	4	M5
● SRGFD1.5-1000J		212		49.51					180	6		
● SRGFD2-500J	m2	80	RD	502.65	20	25	23	10	26.33	150	4	M6
● SRGFD2-1000J		160		52.65					180	6		
● SRGFD2.5-500J	m2.5	64	RD	502.65	25	30	27.5	12	26.33	150	4	M8
● SRGFD2.5-1000J		128		52.65					180	6		
● SRGFD3-500J	m3	53	RD	499.51	30	35	32	14	24.76	150	4	M10
● SRGFD3-1000J		106		49.51					180	6		
● SRGFD4-500J	m4	40	RD	502.65	40	45	41	18	26.33	150	4	M12
● SRGFD4-1000J		80		52.65					180	6		
● SRGFD5-500J	m5	32	RD	502.65	50	50	45	20	31.33	220	3	M14
● SRGFD5-1000J		64		62.65					220	5		
● SRGFD6-500J	m6	26	RD	490.09	60	60	54	23	25.04	220	3	M16
● SRGFD6-1000J		53		59.51					220	5		



Ground Racks

Newly added

Spur Gears

Helical Gears

Internal Gears

Racks

CP Racks & Pinions

Miter Gears

Bevel Gears

Screw Gears

Worm Gear Pair

Bevel Gearboxes

Other Products

* Ground racks with these specifications: Module 8, Total length (A) 1000 mm, Height (C) 90 mm or less, are also available by request as custom-made products.

- [Caution on Product Characteristics]
- ① The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see page 373 for more details.
 - ② The backlash of racks differ depending on the size of the mating pinion. Please calculate the backlash from the backlash value of the mating pinion. Also, please refer to the data in the section called 'Backlash of Rack Tooth (Amount of Tooth Thinning)' on Page 375.
- [Caution on Secondary Operations]
- ① Please read "Caution on Performing Secondary Operations" (Page 376) when performing modifications and/or secondary operations for safety concerns. Haguruma Kobo, the KHK's system for quick modification of KHK stock gears is also available.
 - ② Due to the gear teeth being induction hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 1 mm to 2 mm). Please use wire EDM or other carbide tools to modify the length.
- [Caution on J series]
- ① As available-on-request products, requires a lead-time for shipping within **3 working-days (excludes the day ordered), after placing an order.** Please allow additional shipping time to get to your local distributor.
 - ② 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.
 - ③ 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. ● : J Series (Available-on-request)
H	I	J	Bending strength	Surface durability	Bending strength	Surface durability		
—	—	3.4	293	80.5	29.9	8.21	0.13	●SRGFK0.5-300J
—	—	4.5	751	206	76.6	21.0	0.21	●SRGFK0.8-300J
—	—	4.5	862	514	87.9	52.4	0.26 0.43	●SRGFK1-300J ●SRGFK1-500J
6	10	6	2160	1360	220	138	1.07 2.14	●SRGFD1.5-500J ●SRGFD1.5-1000J
7	11	7	3830	2410	391	246	1.78 3.58	●SRGFD2-500J ●SRGFD2-1000J
8.6	14	9	5990	3770	611	384	2.64 5.31	●SRGFD2.5-500J ●SRGFD2.5-1000J
10.8	17.5	11	8620	5420	879	553	3.63 7.32	●SRGFD3-500J ●SRGFD3-1000J
13	20	14	15300	9640	1560	983	6.21 12.6	●SRGFD4-500J ●SRGFD4-1000J
15.2	23	16	24000	15100	2440	1540	8.56 17.2	●SRGFD5-500J ●SRGFD5-1000J
17.5	26	18	34500	21700	3520	2210	12.0 24.6	●SRGFD6-500J ●SRGFD6-1000J