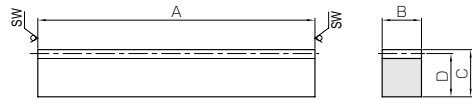




Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Stress relief annealing
Tooth hardness	less than 95HRB



* SW Saw Blade Finished

R1

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	
SR0.5-100	m0.5	62	R1	101	5	12	11.5	240	39.6	24.4	4.04	0.046
SR0.8-100	m0.8	38	R1	101	8	12.3	11.5	613	108	62.5	11.0	0.073
SR1-100	m1	29	R1	98	10	12	11	958	177	97.7	18.0	0.085
SR1-300		94		0.26								
SR1-500		159		0.44								
SR1.5-100	m1.5	20	R1	101	15	20	18.5	2160	421	220	42.9	0.22
SR1.5-300		62		0.66								
SR1.5-500		105		1.10								
SR2-100	m2	14	R1	98	20	25	23	3830	775	391	79.0	0.35
SR2-300		46		1.09								
SR2-500		79		1.82								
SR2.5-100	m2.5	11	R1	100	25	30	27.5	5990	1240	611	127	0.54
SR2.5-300		37		1.64								
SR2.5-500		63		2.73								
SR3-100	m3	9	R1	101	30	35	32	8620	1820	879	186	0.76
SR3-300		30		2.28								
SR3-500		52		3.81								
SR4-100	m4	6	R1	98	40	45	41	15300	3330	1560	339	1.26
SR4-500		39		6.50								
SR5-110	m5	5	R1	108	50	50	45	24000	5300	2440	540	1.91
SR5-500		31		8.92								
SR6-110	m6	4	R1	111	60	60	54	34500	7740	3520	789	2.82
SR6-500		25		12.8								
SR8-130	m8	3	R1	123	75	75	67	44200	10400	4510	1060	4.85
SR10-160	m10	3	R1	155	90	80	70	66300	16100	6770	1640	7.67

[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 If gear tooth hardening, or thermal refining, is applied, the decarburization layer (approx. 0.5 mm thickness) on the rectangular surfaces cannot have the hardness you designate.

Spur Gears
Helical Gears
Internal Gears
Racks
CP Racks & Pinions
Miter Gears
Bevel Gears
Screw Gears
Worm Gear Pair
Bevel Gearboxes
Other Products