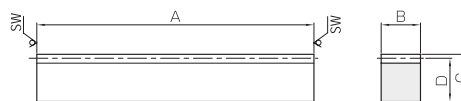


Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Stress relief annealing
Tooth hardness	less than 95HRB



* 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 SR1-300 SR1-500	m1	29 94 159	R1	98 303 505	10	12	11	958	177	97.7	18.0	0.085 0.26 0.44
SR1.5-100 SR1.5-300 SR1.5-500	m1.5	20 62 105	R1	101 303 505	15	20	18.5	2160	421	220	42.9	0.22 0.66 1.10
SR2-100 SR2-300 SR2-500	m2	14 46 79	R1	98 303 505	20	25	23	3830	775	391	79.0	0.35 1.09 1.82
SR2.5-100 SR2.5-300 SR2.5-500	m2.5	11 37 63	R1	100 303 505	25	30	27.5	5990	1240	611	127	0.54 1.64 2.73
SR3-100 SR3-300 SR3-500	m3	9 30 52	R1	101 303 505	30	35	32	8620	1820	879	186	0.76 2.28 3.81
SR4-100 SR4-500	m4	6 39	R1	98 505	40	45	41	15300	3330	1560	339	1.26 6.50
SR5-110 SR5-500	m5	5 31	R1	108 505	50	50	45	24000	5300	2440	540	1.91 8.92
SR6-110 SR6-500	m6	4 25	R1	111 505	60	60	54	34500	7740	3520	789	2.82 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.