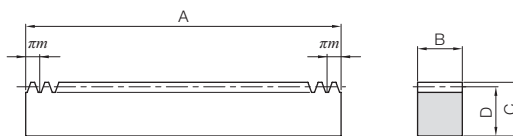


Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than HB210)
Surface treatment	Black oxide coating



RF

Catalog Number	Module	No. of teeth	Shape	Total Length				Face width		Height		Height to pitch line		Allowable force (N)		Allowable force (kgf)		Backlash (mm)	Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	Bending strength	Surface durability	Bending strength	Surface durability				
SRF0.5-300	m0.5	191	RF	300.02	5	12	11.5	240	39.6	24.4	4.04	0.00~0.13	0.14						
SRF0.8-300	m0.8	119		299.08	8	12.3	11.5	613	108	62.5	11.0	0.00~0.14	0.22						
SRF1-300	m1	96		301.59	10	12	11	958	177	97.7	18.0	0.04~0.21	0.26						
SRF1-500		159		499.51										0.43					
SRF1-1000		318		999.03										0.86					
SRF1.5-300	m1.5	64		301.59	15	20	18.5	2160	421	220	42.9	0.09~0.25	0.66						
SRF1.5-500		106		499.51										1.09					
SRF1.5-1000		212		999.03										2.18					
SRF1.5-1500		320		1507.96										3.28					
SRF1.5-2000		435		2049.88										4.47					
SRF2-300	m2	48		301.59	20	25	23	3830	775	391	79.0	0.11~0.28	1.09						
SRF2-500		80		502.65										1.82					
SRF2-1000		160		1005.31										3.63					
SRF2-1500		240		1507.96										5.45					
SRF2-2000	326	2048.31		7.40															
SRF2.5-300	m2.5	38		298.45	25	30	27.5	5990	1240	611	127	0.13~0.31	1.61						
SRF2.5-500		64		502.65										2.71					
SRF2.5-1000		128		1005.31										5.43					
SRF2.5-1500		192		1507.96										8.14					
SRF2.5-2000		261	2049.88	11.1															
SRF3-300	m3	32	301.59	30	35	32	8620	1820	879	186	0.14~0.35	2.27							
SRF3-500		53	499.51										3.76						
SRF3-1000		106	999.03										7.53						
SRF3-1500		160	1507.96										11.4						
SRF3-2000	217	2045.17	15.4																
SRF4-500	m4	40	502.65	40	45	41	15300	3330	1560	339	0.18~0.42	6.47							
SRF4-1000		80	1005.31										12.9						
SRF4-1500		120	1507.96										19.4						
SRF4-2000		163	2048.31										26.4						
SRF5-500	m5	32	502.65	50	50	45	24000	5300	2440	540	0.20~0.47	8.88							
SRF5-1000		64	1005.31										17.8						
SRF5-1500		96	1507.96										26.6						
SRF5-2000		130	2042.04										36.1						
SRF6-500	m6	26	490.09	60	60	54	34500	7740	3520	789	0.22~0.54	12.5							
SRF6-1000		53	999.03										25.4						
SRF6-1500		80	1507.96										38.4						
SRF6-2000		108	2035.75										51.8						
SRF8-500	m8	20	502.66	75	75	67	44200	10400	4510	1060	0.28~0.63	19.8							
SRF8-1000		40	1005.31										39.7						
SRF10-1000	m10	32	1005.31	90	80	70	66300	16100	6770	1640	0.33~0.70	49.7							

- [Caution on Product Characteristics] ① The allowable forces shown in the table are calculated values according to the assumed usage conditions. Please see Page 216 for more details.
 ② The backlash values shown in the table are the theoretical values for the backlash in the circumferential direction of recommended pinions with the same pitch.

- [Caution on Secondary Operations] ① Please read "Cautions on Performing Secondary Operations" (Page 220) when performing modifications and/or secondary operations for safety concerns.
 KHK Quick-Mod Gears, the KHK 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 Gears
 Gearboxes
 Other Products