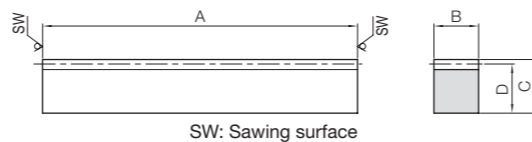


Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 210HB)
Surface treatment	Black oxide coating



R1

Catalog Number	Module	Effective number of teeth	Shape	Total Length				Allowable force (N)		Allowable force (kgf)		Backlash (mm)	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	0.00~0.13	0.046
SR0.8-100	m0.8	38		101	8	12.3	11.5	613	108	62.5	11.0	0.00~0.14	0.073
SR1-100	m1	29		98	10	12	11	958	177	97.7	18.0	0.04~0.21	0.085
SR1-300		94		303									
SR1-500		159		505									
SR1.5-100	m1.5	20		101	15	20	18.5	2160	421	220	42.9	0.09~0.25	0.22
SR1.5-300		62		303									
SR1.5-500		105		505									
SR2-100	m2	14		98	20	25	23	3830	775	391	79.0	0.11~0.28	0.35
SR2-300		46		303									
SR2-500		79		505									
SR2.5-100	m2.5	11		100	25	30	27.5	5990	1240	611	127	0.13~0.31	0.54
SR2.5-300		37		303									
SR2.5-500		63		505									
SR3-100	m3	9		101	30	35	32	8620	1820	879	186	0.14~0.35	0.76
SR3-300		30		303									
SR3-500		52		505									
SR4-100	m4	6		98	40	45	41	15300	3330	1560	339	0.18~0.42	1.26
SR4-500		39		505									
SR5-110	m5	5		108	50	50	45	24000	5300	2440	540	0.20~0.47	1.91
SR5-500		31	505										
SR6-110	m6	4	111	60	60	54	34500	7740	3520	789	0.22~0.54	2.82	
SR6-500		25	505										
SR8-130	m8	3	123	75	75	67	44200	10400	4510	1060	0.28~0.63	4.85	
SR10-160	m10	3	155	90	80	70	66300	16100	6770	1640	0.33~0.70	7.67	

**Recommended Mating Pinions**

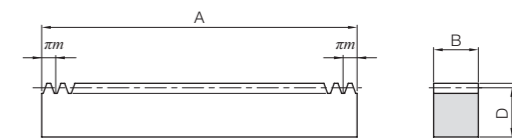


SS Spur Gears

Please see Page 108 for more details.



Specifications	
Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 210HB)
Surface treatment	Black oxide coating



RF

Catalog Number	Module	No. of teeth	Shape	Total Length				Allowable force (N)		Allowable force (kgf)		Backlash (mm)	Weight (kg)
				A	B	C	D	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									
SRF1-1000		318		999.03									
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									
SRF1.5-1000		212		999.03									
SRF1.5-1500		320		1507.96									
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									
SRF2-1000		160		1005.31									
SRF2-1500		240		1507.96									
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									
SRF2.5-1000		128		1005.31									
SRF2.5-1500		192		1507.96									
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										
SRF3-1000		106	999.03										
SRF3-1500		160	1507.96										
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										
SRF4-1500		120	1507.96										
SRF4-2000		163	2048.31										
SRF5-500	m5	32	502.65	50	50	45	24000	5300	2440	540	0.20~0.47	8.88	
SRF5-1000		64	1005.31										
SRF5-1500		96	1507.96										
SRF5-2000		130	2042.04										
SRF6-500	m6	26	490.09	60	60	54	34500	7740	3520	789	0.22~0.54	12.5	
SRF6-1000		53	999.03										
SRF6-1500		80	1507.96										
SRF6-2000		108	2035.75										
SRF8-500	m8	20	502.66	75	75	67	44200	10400	4510	1060	0.28~0.63	19.8	
SRF8-1000		40	1005.31										
SRF10-1000	m10	32	1005.31	90	80	70	66300	16100	6770	1640	0.33~0.70	49.7	