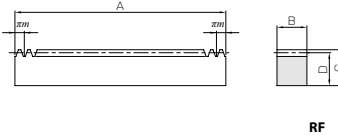


New! Hardened Racks to be widely used!



Specifications	
Precision grade	KHK R 001 grade 5 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C
Heat treatment	Tooth surface induction hardened
Tooth hardness	50 ~ 60HRC

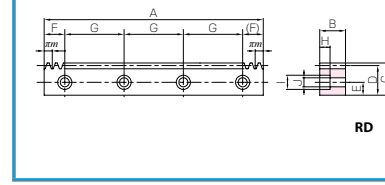
* The precision grade of J Series products is equivalent to the value shown in the table.



* Standard tooth surface induction hardening is applied resulting in reasonably priced rack which have their surface durability 2 times stronger than SRF racks!

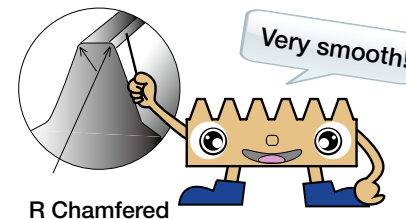
Catalog No.	Module	No. of teeth	Shape	Total length				Allowable force (N)		Allowable force (kgf)		Weight (kg)
				A	B	C	D	Bending strength	Surface durability	Bending strength	Surface durability	
SRF1.5-1000H	m1.5	212	RF	999.03	15	20	18.5	1960	1110	200	113	2.18
SRF2-1000H	m2	160		1005.31	20	25	23	3480	2000	355	204	3.63
SRF2.5-1000H	m2.5	128		1005.31	25	30	27.5	5440	3160	555	322	5.43
SRF3-1000H	m3	106		999.03	30	35	32	7840	4590	799	468	7.53
SRF4-1000H	m4	80		1005.31	40	45	41	13900	8310	1420	847	12.9
SRF5-1000H	m5	64		1005.31	50	50	45	21800	13200	2220	1340	17.8
SRF6-1000H	m6	53	999.03	60	60	54	31400	19200	3200	1960	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		
SRFD1.5-1000HJ	m1.5	212	RD	999.03	15	20	18.5	8	49.51	180	6	M5
SRFD2-1000HJ	m2	160		1005.31	20	25	23	10	52.65	180	6	M6
SRFD2.5-1000HJ	m2.5	128		1005.31	25	30	27.5	12	52.65	180	6	M8
SRFD3-1000HJ	m3	106		999.03	30	35	32	14	49.51	180	6	M10
SRFD4-1000HJ	m4	80		1005.31	40	45	41	18	52.65	180	6	M12
SRFD5-1000HJ	m5	64		1005.31	50	50	45	20	62.65	220	5	M14
SRFD6-1000HJ	m6		999.03	60	60	54	23	59.51	220	5	M16	

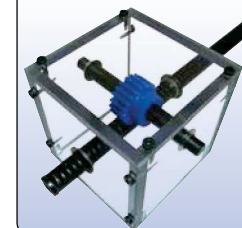


- [Caution on Product Characteristics]
- The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see Page 189 for more details.
 - The backlash of racks differ depending on the size of the mating pinion. Please calculate the backlash from the 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 191.
- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 192) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.
 - Due to the gear teeth being induction hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 2 mm to 3 mm). Please use wire EDM or other carbide tools to modify the length.
- [Caution on J series]
- As available-on-request products, requires a lead-time for shipping within 2 working-days (excludes the day ordered), after placing an order. Please allow additional shipping time to get to your local distributor.
 - 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.
 - 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.
H	I	J	Bending strength	Surface durability	Bending strength	Surface durability		
6	10	6	1960	1110	200	113	2.14	SRFD1.5-1000HJ
7	11	7	3480	2000	355	204	3.58	SRFD2-1000HJ
8.6	14	9	5440	3160	555	322	5.31	SRFD2.5-1000HJ
10.8	17.5	11	7840	4590	799	468	7.32	SRFD3-1000HJ
13	20	14	13900	8310	1420	847	12.6	SRFD4-1000HJ
15.2	23	16	21800	13200	2220	1340	17.2	SRFD5-1000HJ
17.5	26	18	31400	19200	3200	1960	24.6	SRFD6-1000HJ



GCU-R Rack Kit



Installation : Parallel axes gears
Gear Type : Racks & Pinions
Gears : SRO1.5-500
PS1.5-20
Weight : Approx. 1kg

Use of racks enables the conversion of rotation motion to linear motion. Applications include devices that provide lift.