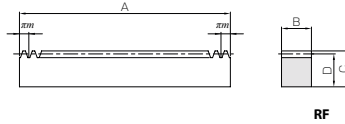


Now Comes in White!



Specifications	
Precision grade	KHK R 001 grade 5 *
Gear teeth	Standard full depth
Pressure angle	20°
Material	Polycetal
Heat treatment	—
Tooth hardness	(115 ~ 120HRR)

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



* Plastic racks with little dimensional change, absorb less water than MC Nylon racks.

Catalog No.	Module	No. of teeth	Shape	Total length	Face width	Height	Height to pitch line	Allowable force (N)	Allowable force (kgf)	Weight (kg)
				A	B	C	D	Bending strength	Bending strength	
DRF1-500	m1	159	RF	499.51	10	12	11	80.7	8.23	0.077
DRF1.5-500	m1.5	106		499.51	15	20	18.5	182	18.5	0.20
DRF1.5-1000		212		999.03						0.39
DRF2-500	m2	80		502.65	20	25	23	323	32.9	0.33
DRF2-1000		160		1005.31						0.65
DRF2.5-500	m2.5	64		502.65	25	30	27.5	504	51.4	0.49
DRF2.5-1000		128	1005.31						0.98	
DRF3-500	m3	53	499.51	30	35	32	726	74.1	0.68	
DRF3-1000		106	999.03						1.35	

Catalog No.	Module	No. of teeth	Shape	Total length	Face width	Height	Height to pitch line	Mounting hole dimensions			No. of mounting holes	Mounting screw size
				A	B	C	D	E	F	G		
• DRFK1-500J	m1	159	RA	499.51	10	12	11	5	24.76	150	4	M4
• DRFD1.5-500J	m1.5	106	RD	499.51	15	20	18.5	8	24.76	150	4	M5
• DRFD1.5-1000J		212		999.03					8	49.51	180	6
• DRFD2-500J	m2	80		502.65	20	25	23	10	26.33	150	4	M6
• DRFD2-1000J		160		1005.31					10	52.65	180	6
• DRFD2.5-500J	m2.5	64		502.65	25	30	27.5	12	26.33	150	4	M8
• DRFD2.5-1000J		128		1005.31					12	52.65	180	6
• DRFD3-500J	m3	53	499.51	30	35	32	14	24.76	150	4	M10	
• DRFD3-1000J		106	999.03					14	49.51	180	6	

[Caution on Product Characteristics]

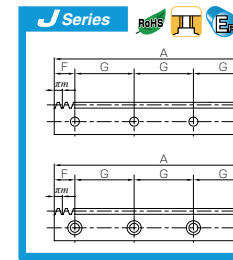
- The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please see Page 189 for more details.
- The backlash of racks differ depending on the size of the mating pinion. Please calculate the backlash from the backlash value of the mating pinion. Also, please refer to the data in the section called 'Backlash of Rack Tooth (Amount of Tooth Thinning)' on Page 191.
- When using this product for food machines, sterilization is not necessary. POM resin meets the standards of Food and Drug Administration (FDA) under the food sanitation laws in USA. Care should be taken as it may be destroyed by boiling or steaming.

[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.
- Plastic gears are susceptible to the effects of temperature and moisture. Dimensional changes may occur while performing secondary operations and during post-machining operations. It is recommended to modify mounting holes and the attaching portions at the same time when stringing together racks for use.

[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 handle for one order is 1 to 20 pieces. For quantities of 21 pieces or more, we need to quote price and lead time.



Counterbore dimensions			Allowable force (N)	Allowable force (kgf)	Weight	Catalog No.
H	I	J	Bending strength	Bending strength	(kg)	
—	—	4.5	80.7	8.23	0.077	• DRFK1-500J
6	10	6	182	18.5	0.19 0.39	• DRFD1.5-500J • DRFD1.5-1000J
7	11	7	323	32.9	0.32 0.64	• DRFD2-500J • DRFD2-1000J
8.6	14	9	504	51.4	0.47 0.95	• DRFD2.5-500J • DRFD2.5-1000J
10.8	17.5	11	726	74.1	0.65 1.32	• DRFD3-500J • DRFD3-1000J