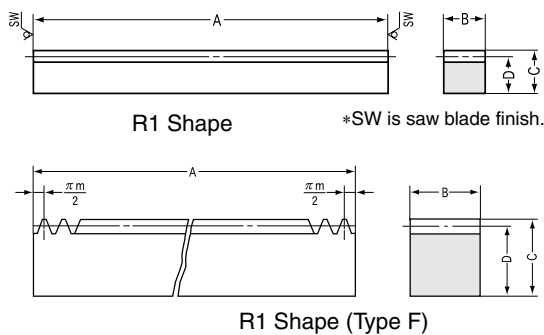
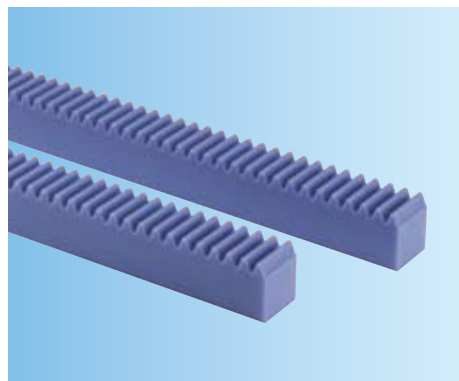




PR(F) Plastic Racks Modules 1~3



Specifications

Precision grade	KHK R 001 grade 5 <small>NOTE 2</small>
Gear teeth	Standard full depth
Pressure angle	20°
Material	MC901
Heat treatment	—
Tooth hardness	115~120HRR
Surface treatment	—
Tooth surface finish	Cut
Datum reference surface for gear cutting	Bottom surface
Secondary Operations	Possible

NOTE 2: The cumulative pitch error of these racks does not conform to KHK R001 grade 5 specifications.

Modules 1~3

Catalog No.	Module <i>m</i>	Total length <i>A</i>	Face width		Height <i>C</i>	Height to pitch line <i>D</i>	Effective No. of teeth	Shape	Allowable force (N) <small>NOTE 1</small>		Weight (kgf)
			<i>B</i>	<i>C</i>					Bending strength	Bending strength	
PR1 - 500	1	505	10	12	11	159	R1	92.81	(9.464)	0.06	
PR1.5- 500	1.5	505	15	20	18.5	105	R1	208.9	(21.3)	0.18	
PR2 - 500	2	505	20	25	23	79	R1	371.3	(37.86)	0.27	
PR2.5- 500	2.5	505	25	30	27.5	63	R1	580.1	(59.15)	0.4	
PR3 - 500	3	505	30	35	32	52	R1	835.3	(85.18)	0.57	
PR1.5-1000	1.5	1010	15	20	18.5	212	R1	208.9	(21.3)	0.32	
PR2 -1000	2	1010	20	25	23	160	R1	371.3	(37.86)	0.53	
PR2.5-1000	2.5	1010	25	30	27.5	128	R1	580.1	(59.15)	0.78	
PR3 -1000	3	1010	30	35	32	106	R1	835.3	(85.18)	1.1	

Modules 1.5~3 Type F

Catalog No.	Module <i>m</i>	Total length <i>A</i>	Face width		Height <i>C</i>	Height to pitch line <i>D</i>	Effective No. of teeth	Shape	Allowable force (N) <small>NOTE 1</small>		Weight (kgf)
			<i>B</i>	<i>C</i>					Bending strength	Bending strength	
PRF1.5-1000	1.5	999.03	15	20	18.5	212	R1	208.9	(21.3)	0.32	
PRF2 -1000	2	1005.31	20	25	23	160	R1	371.3	(37.86)	0.54	
PRF2.5-1000	2.5	1005.31	25	30	27.5	128	R1	580.1	(59.15)	0.8	
PRF3 -1000	3	999.03	30	35	32	106	R1	835.3	(85.18)	1.1	

CAUTION: The straightness deviation of plastic racks is less than 5mm per meter. You may correct this error by using the bottom surface as the reference when attaching the racks.

CAUTION: Significant variations in temperature or humidity can cause dimensional changes in plastic racks (MC Nylon). Please see page 32 on "Characteristic of Plastic Gears" for additional information.

CAUTION: The reference datum for the gear cutting is the bottom surface. Please use it to position the rack when installing.

NOTE 1: The allowable forces shown in the table are the calculated values according to the assumed usage conditions. Please refer to page 155.