KI

TYPE

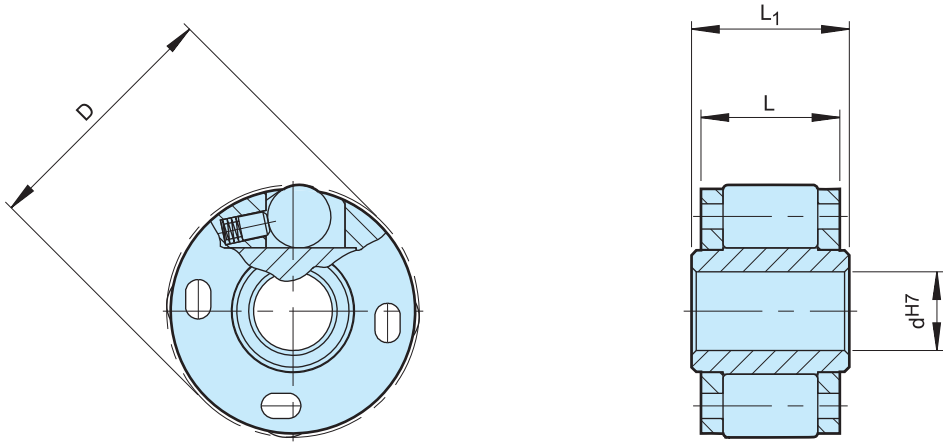
Type KI is a roller type freewheel. It is an assembly comprising of an inner race and rollers fitted into a polyamide cage. This type of unit can not be dismantled. It is designed for small mechanisms in office equipment, or packaging machines, to be mounted inside gears or feed rollers.

The gear or feed roller inner diameter is used as the outer race. Additional bearing support is required, and the freewheel must not be subjected to axial loading; mounting examples are shown on the following page. The outer race does not need to be hardened; min. strength: 700 N/mm^2

The surface roughness will not exceed 22 CLA. Mounting onto the shaft can be a press fit to r6 tolerance or a glue fit with a clearance of 0,02 to 0,05mm.

Sizes 8 mm and above can be supplied with a keyway. Temperature range: –40°C to +100°C (continuous operation). Peak temperatures of +120°C are acceptable for short periods of time.

KI



Type	Size			Overrunning speeds					Weight
		d^{H7} [mm]	T_{KN} 1) [Nm]	n_{imax} 2) [min^{-1}]	n_{amax} 3) [min^{-1}]	D^{H7} [mm]	L_1 [mm]	L [mm]	[kg]
Ki	164	4	0,8	8000	10000	16	10	9	0,008
	165	5	0,8	8000	10000	16	10	9	0,007
	194	4	0,9	7000	9000	19	10	9	0,012
	195	5	0,9	7000	9000	19	10	9	0,011
	196	6	0,9	7000	9000	19	10	9	0,010
	268*	8	2,9	5000	6000	26	14	13	0,023
	269*	9	2,9	5000	6000	26	14	13	0,021
	2610*	10	2,9	5000	6000	26	14	13	0,019

NOTES

1) $T_{max} = 2 \times T_{KN}$
» Refer to Selection page 10 to 13

*) Can be also supplied with a keyway to DIN 6885.1

2) Inner race overruns

3) Outer race overruns

» Refer to mounting and maintenance instructions page 16 to 19

MOUNTING EXAMPLES