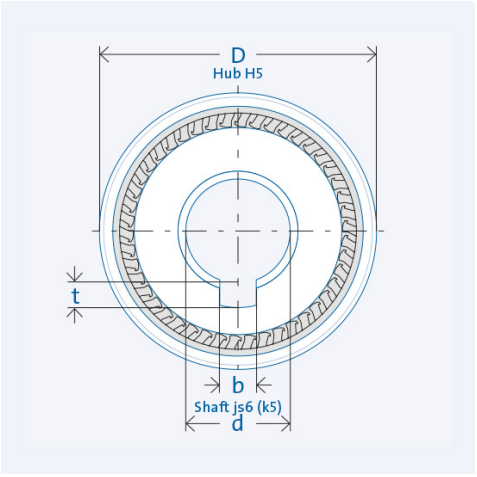
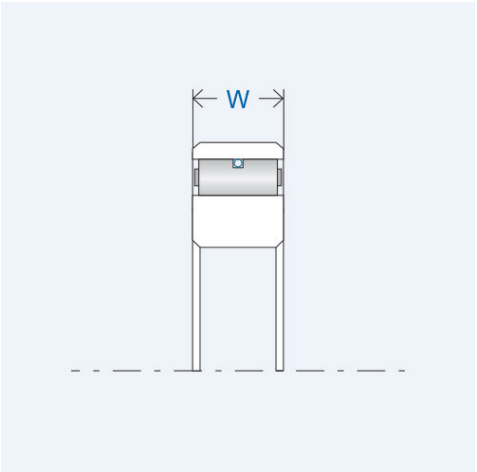
Freewheel Clutch Insert Element FRN 427 M









Item number 300625

Components

Freewheel clutch	Insert Element FE 400 M
· Rings	Bearing steel, hardened and ground
· Inner ring	Keyway per DIN 6885, Sheet 1 Tolerance: P9 with back clearance
· Outer ring	Press fit

Key values

Ø Shaft d:	10 mm
Ø Hub D:	31 mm
Installed width W:	12 mm
Torque T_{nom}:	92 Nm
Number of sprags:	25
Speed n_{max}:	7400 rpm
Weight:	0.0489 kg
Keyway width b:	3 mm
Keyway depth t:	1,4 mm
Operating temperature:	max. 140°C

Lubrication

Oil or grease lubrication

Delivered with corrosion protection.
Operative grease filling on request.

Installation

Installation tolerances

Shaft js6 (k5); hub H6

Constraints

The freewheel clutch insert element requires axial constraints on both sides.

Mating parts

Hardening and grinding of the mating parts is not necessary. Thoroughly clean (grease free) the mating parts in the vicinity of the freewheel clutch as well as the freewheel clutch's rings before making the press fit.

Bearing

Freewheel clutch insert elements are not self-centering. External bearing support to define the gap between mating parts (Shaft and housing) is necessary.