

# Freewheel Clutch Insert Element FRN 459 Z



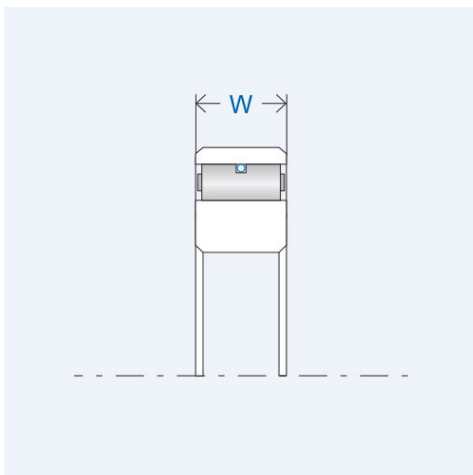
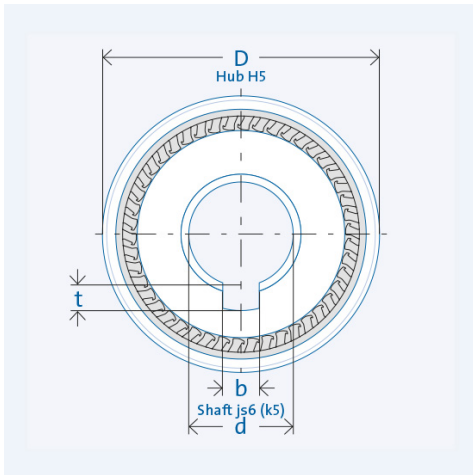
Item number 300640

## Components

|                         |                                    |
|-------------------------|------------------------------------|
| <b>Freewheel clutch</b> | <b>Insert Element FE 400 Z</b>     |
| · 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:             | 30 mm      |
| Ø Hub D:               | 64 mm      |
| Installed width W:     | 12 mm      |
| Torque $T_{nom}$ :     | 353 Nm     |
| Number of sprags:      | 57         |
| Speed $n_{max}$ :      | 3000 rpm   |
| Weight:                | 0.1968 kg  |
| Keyway width b:        | 8 mm       |
| Keyway depth t:        | 3,3 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.