

# Freewheel Clutch Insert Element FR 427 M



Item number 300591

## Components

### Freewheel clutch

- Rings
- Inner ring
- Outer ring

### Insert Element FE 400 M

Bearing steel, hardened and ground  
Press fit  
Press fit

## Key values

Ø Shaft d:	15 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:	0.0399 kg
Operating temperature:	max. 140°C

## Lubrication

### Oil or grease lubrication

Delivered with corrosion protection.

Operative grease filling on request.

## Installation

### Installation tolerances

Shaft h5; 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.

