# KMFE 16

## Lock nut with metric thread, with locking screw

KMFE lock nuts with integral locking screw are designed to locate CARB toroidal roller bearings, sealed spherical roller bearings and sealed self-aligning ball bearings axially on a shaft. They reduce the cost of the shaft as no keyway is required. Installation with an integral set screw is quick and easy and no separate locking device is necessary. Maximum axial run-out locating face and thread 0.02 to 0.03 mm.

- No keyway required
- Simple and robust locking for intended applications
- Reusable
- Cost-effective
- Available for thread M 20x1 to M 200x3 (sizes 4 to 40)

## Overview

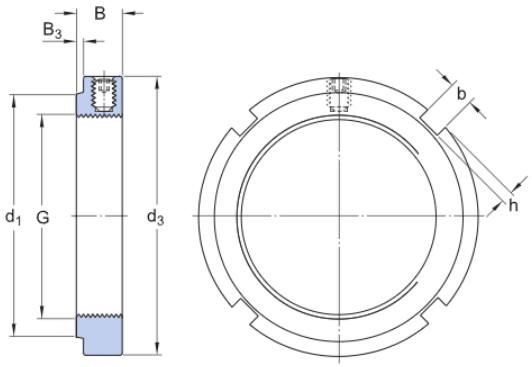
## Dimensions

| | |
|---|---|
| Thread designation | M80x2 |
| Bore diameter | 80 mm |
| Outside diameter | 105 mm |
| Width | 18 mm |

## Properties

| | |
|---|---|
| Locking device | Incorporated in the lock nut |
| Nut for hydraulic mounting | No |
| Associated mounting tool | HN 16 |

# Technical Specification




## Dimensions

| | | |
|---|---|---|
| G | M80x2 | Thread |
| $d_3$ | 105 mm | Outside diameter |
| B | 18 mm | Width |
| $d_1$ | 91.5 mm | Diameter locating side face |
| $B_3$ | 3 mm | Stand-out of locating face |
| b | 8 mm | Width locating slot |
| h | 3.5 mm | Depth locating slot |

## Calculation data

| | |
|---|---|
| Axial static load carrying capacity | 173 kN |

## Mass

| | |
|---|---|
| Mass lock nut | 0.48 kg |

## Mounting information

| | |
|---|---|
| Associated spanner | HN 16 |
| Set screw size | M8 |
| Recommended grub screw tightening torque | 18 N·m |

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