

KMK 16Lock nut with metric thread, with integral locking device



Lock nut with metric thread, with integral locking device

KMK lock nuts with integral locking are designed to locate radial bearings in less demanding applications. 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. KMK lock nuts have a threaded steel insert in their bore that acts as a pressure plate when a set screw, which runs through the body of the lock nut, is tightened.

- No keyway required
- Simple and robust locking for intended applications
- Reusable
- Cost-effective
- Available for thread M 10x0.75 to M 100x2 (sizes 0 to 20)

Overview

Dimensions

| | |
|--------------------|--------|
| Thread designation | M 80x2 |
| 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 | M 80x2 | Thread |
| d_3 | 105 mm | Outside diameter |
| B | 18 mm | Width |
| d_1 | 98 mm | Diameter locating side 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 | 0.45 kg |
|---------------|---------|

Mounting information

| | |
|--|--------|
| Associated spanner | HN 16 |
| Set screw size | M10 |
| Recommended grub screw tightening torque | 35 N·m |

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