



# KMK 1Lock 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 12x1
Bore diameter	12 mm
Outside diameter	22 mm
Width	9 mm

## Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	HN 1

## Technical Specification



### Dimensions

G	M 12x1	Thread
$d_3$	22 mm	Outside diameter
B	9 mm	Width
$d_1$	18 mm	Diameter locating side face
b	3 mm	Width locating slot
h	2 mm	Depth locating slot

### Calculation data

Axial static load carrying capacity	11.8 kN
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### Mass

Mass lock nut	0.018 kg
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### Mounting information

Associated spanner	HN 1
Set screw size	M5
Recommended grub screw tightening torque	4 N·m

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