

# KMT 9 Precision lock nut with locking pins



## Precision lock nut with locking pins

KMT precision lock nuts are intended for applications where high precision, simple assembly and reliable locking are required. The three equally-spaced locking pins enable these lock nuts to be accurately positioned at right angles to the shaft. However, they can also be adjusted to compensate for slight angular deviations of adjacent components. Maximum axial run-out between the locating face and thread (up to size 40): 0.005 mm

- No keyway required
- Withstands high axial loads
- Reliable, effective locking mechanism
- Designed for frequent and simple installation and removal
- Available for thread M 10x0.75 to M 200x3 (sizes 0 to 40) and Tr 220x4 to Tr 420x5 (sizes 44 to 84)

## Overview

### Dimensions

Thread designation	M 45x1.5
Bore diameter	45 mm
Outside diameter	70 mm
Width	22 mm

## Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	HN 10-11

## Technical Specification



### Dimensions

G	M 45x1.5	Thread
d <sub>1</sub>	64 mm	Outside diameter locating side face
B	22 mm	Width
d <sub>3</sub>	70 mm	Outside diameter
d <sub>4</sub>	47 mm	Inner diameter locating side face
d <sub>5</sub>	60 mm	Diameter side face opposite to bearing
M	65 mm	Width flat spanner
b	6 mm	Width locating slot
h	2.5 mm	Depth locating slot

### Calculation data

Axial static load carrying capacity	240 kN
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### Mass

Mass	0.33 kg
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### Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	HN 10-11
Set / Locking screw size	M8
Recommended tightening torque	18 N·m

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