

KMT 1 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 12x1
Bore diameter	12 mm
Outside diameter	30 mm
Width	14 mm

Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	HN 4

Technical Specification



Dimensions

G	M 12x1	Thread
d ₁	25 mm	Outside diameter locating side face
B	14 mm	Width
d ₃	30 mm	Outside diameter
d ₄	13 mm	Inner diameter locating side face
d ₅	23 mm	Diameter side face opposite to bearing
M	27 mm	Width flat spanner
b	4 mm	Width locating slot
h	2 mm	Depth locating slot

Calculation data

Axial static load carrying capacity	40 kN
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Mass

Mass	0.053 kg
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Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	HN 4
Set / Locking screw size	M5
Recommended tightening torque	4.5 N·m

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