

KMTA 10 Precision lock nut with locking pins



Precision lock nut with locking pins

KMTA precision lock nuts have a cylindrical outside surface and 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 25x1.5 to M 200x3 (sizes 5 to 40)

Overview

Dimensions

Thread designation	M 50x1.5
Bore diameter	50 mm
Outside diameter	70 mm
Width	24 mm

Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	B 68-75

Technical Specification



Dimensions

G	M 50x1.5	Thread
d ₁	63 mm	Outside diameter locating side face
B	24 mm	Width
d ₃	70 mm	Outside diameter
d ₄	52 mm	Inner diameter locating side face
J ₁	61.5 mm	Pitch diameter for pin-type face spanner
J ₂	13 mm	Distance between holes for pin-wrench and locating side face
N ₁	4.3 mm	Diameter holes for pin-type face spanner
N ₂	6 mm	Diameter holes for pin-wrench

Calculation data

Axial static load carrying capacity	300 kN
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Mass

Mass	0.32 kg
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Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	B 68-75
Set / Locking screw size	M6
Recommended tightening torque	8 N·m

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