

KMT 34 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 170x3
Bore diameter	170 mm
Outside diameter	205 mm
Width	32 mm

Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	TMFN 30-40

Technical Specification



Dimensions

G	M 170x3	Thread
d ₁	192 mm	Outside diameter locating side face
B	32 mm	Width
d ₃	205 mm	Outside diameter
d ₄	172 mm	Inner diameter locating side face
d ₅	192 mm	Diameter side face opposite to bearing
b	14 mm	Width locating slot
h	5 mm	Depth locating slot

Calculation data

Axial static load carrying capacity	1 160 kN
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Mass

Mass	2.26 kg
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Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	TMFN 30-40
Set / Locking screw size	M10
Recommended tightening torque	35 N·m

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