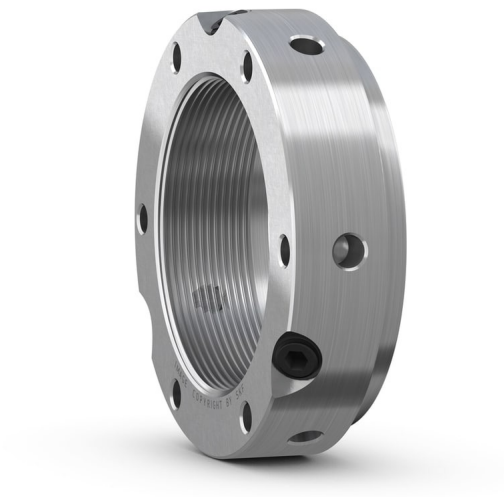

KMTA 40Precision lock nut with locking pins

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 200x3
Bore diameter	200 mm
Outside diameter	245 mm
Width	32 mm

Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	B 230-245

Technical Specification



Dimensions

G	M 200x3	Thread
d_1	237 mm	Outside diameter locating side face
B	32 mm	Width
d_3	245 mm	Outside diameter
d_4	202 mm	Inner diameter locating side face
J_1	229 mm	Pitch diameter for pin-type face spanner
J_2	17 mm	Distance between holes for pin-wrench and locating side face
N_1	8.4 mm	Diameter holes for pin-type face spanner
N_2	10 mm	Diameter holes for pin-wrench

Calculation data

Axial static load carrying capacity	1 340 kN

Mass

Mass	3.86 kg

Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	B 230-245
Set / Locking screw size	M10
Recommended tightening torque	35 N·m

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