

Image may differ from product. See technical specification for details.

KMT 14

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 70x2
Bore diameter	70 mm
Outside diameter	100 mm
Width	28 mm

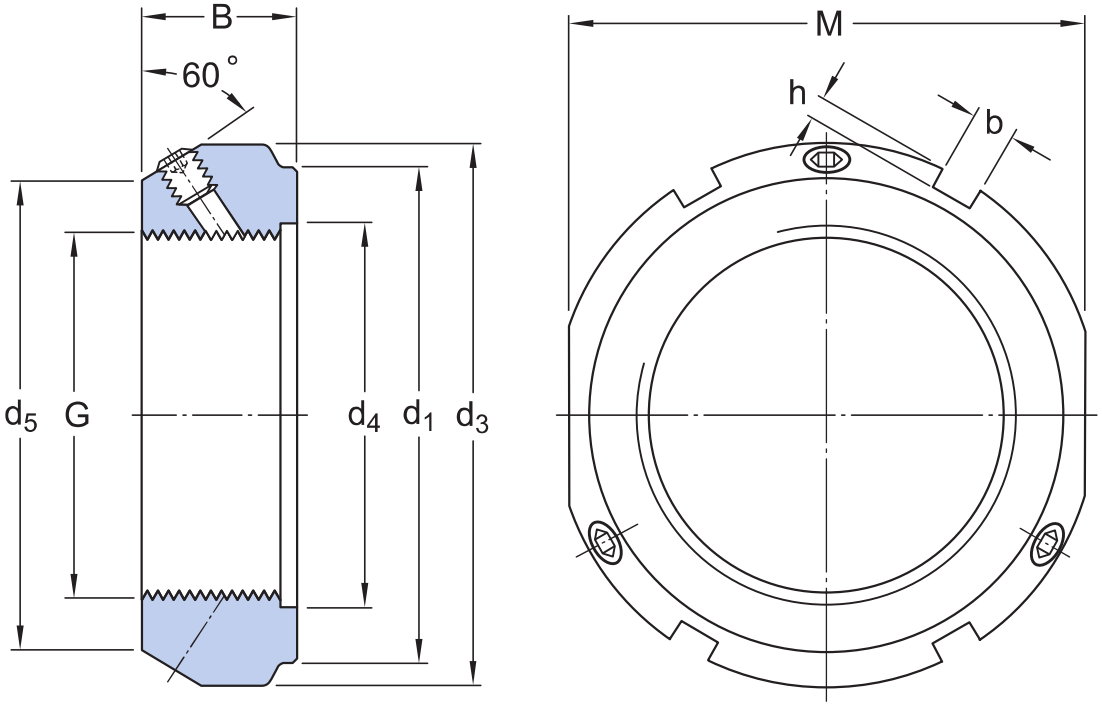
Properties

Locking device	Incorporated in the lock nut
Nut for hydraulic mounting	No
Associated mounting tool	HN 15

Logistics

Product net weight	0.72 kg
eClass code	23-11-07-05
UNSPSC code	31163218

Technical specification



Dimensions

G	M 70x2	Thread
d_1	92 mm	Outside diameter locating side face
B	28 mm	Width
d_3	100 mm	Outside diameter
d_4	72 mm	Inner diameter locating side face
d_5	88 mm	Diameter side face opposite to bearing
M	95 mm	Width flat spanner
b	8 mm	Width locating slot
h	3.5 mm	Depth locating slot

Calculation data

Axial static load carrying capacity	490 kN

Mounting information

Associated spanner (Hook spanner in accordance with DIN 1810)	HN 15

Set / Locking screw size	M8
Recommended tightening torque	18 N·m

Compatible products

Recommended tool

Hook spanner	HN 15
Hook spanner for use inside split plummer (pillow) block housings	HN 15/SNL
Adjustable hook spanner	HNA 14-24

More Information

Product details

Precision lock nuts

Engineering information

General bearing knowledge

Bearing selection process

Bearing failure and how to prevent it

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