

# KMT 28 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 140x2 |
| Bore diameter      | 140 mm  |
| Outside diameter   | 175 mm  |
| Width              | 32 mm   |

## Properties

|                            |                              |
|----------------------------|------------------------------|
| Locking device             | Incorporated in the lock nut |
| Nut for hydraulic mounting | No                           |
| Associated mounting tool   | TMFN 23-30                   |

## Technical Specification



### Dimensions

|                |         |  |
|----------------|---------|--|
| G              | M 140x2 | Thread                                 |
| d <sub>1</sub> | 164 mm  | Outside diameter locating side face    |
| B              | 32 mm   | Width                                  |
| d <sub>3</sub> | 175 mm  | Outside diameter                       |
| d <sub>4</sub> | 142 mm  | Inner diameter locating side face      |
| d <sub>5</sub> | 162 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 | 980 kN |
|-------------------------------------|--------|

### Mass

|      |         |
|------|---------|
| Mass | 1.88 kg |
|------|---------|

### Mounting information

|   |            |
|---|------------|
| Associated spanner (Hook spanner in accordance with DIN 1810) | TMFN 23-30 |
| Set / Locking screw size                                      | M10        |
| Recommended tightening torque                                 | 35 N·m     |

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