

KMK 1



KMK metric lock nuts with an integral locking device

KMK lock nuts with integral locking are designed to locate radial bearings in less demanding applications. They reduce the cost of the shaft as no keyway or key slot is required. Installation with an integral set screw is quick and easy and no separate locking device is necessary. KMK lock nuts have a threaded steel insert in their bore that acts as a pressure plate when a set screw, which runs through the body of the lock nut, is tightened.

- No keyway required
- Simple and robust locking for intended applications
- Reusable
- Cost-effective
- Available for thread M 10x0.75 to M 100x2 (sizes 0 to 20)

Overview

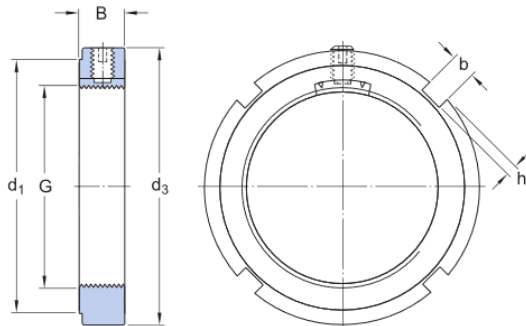
Dimensions

| | |
|------------------|-------|
| Bore diameter | 12 mm |
| Outside diameter | 22 mm |
| Width | 9 mm |

Properties

| | |
|----------------------------|------------------------------|
| Associated mounting tool | HN 1 |
| Locking device | Incorporated in the lock nut |
| Nut for hydraulic mounting | No |
| Thread designation | M 12x1 |

Technical Specification



Dimensions

| | | |
|-------|--------|-----------------------------|
| G | M 12x1 | Thread |
| d_3 | 22 mm | Outside diameter |
| B | 9 mm | Width |
| d_1 | 18 mm | Diameter locating side face |
| b | 3 mm | Width locating slot |
| h | 2 mm | Depth locating slot |

Calculation data

| | |
|-------------------------------------|---------|
| Axial static load carrying capacity | 11.8 kN |
|-------------------------------------|---------|

Mass

| | |
|---------------|----------|
| Mass lock nut | 0.018 kg |
|---------------|----------|

Mounting information

| | |
|--|------|
| Associated spanner | HN 1 |
| Set screw size | M5 |
| Recommended grub screw tightening torque | 4 Nm |

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