# Fine-pitch hexagon thin nut

A thin profile for adjustment and jam-nut applications on metric fine threads. Always specify both diameter and pitch: M12 × 1.5 and M12 × 1.25 are not interchangeable. In jam-nut applications, use the thin nut together with a regular or high nut.

DIN 439 B · ISO 4035

The thin profile has reduced loadability. Class 04 is not class 4, 4.8 or 8: retain the leading zero. Jam-nut use requires an appropriate joint arrangement and a defined tightening procedure.

Dimensional range

M8-M39

Thread

Metric · fine pitch

Configuration

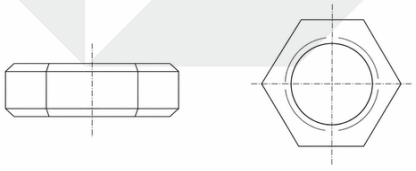
Style 0 · reduced loadability

References

DIN 439 B · ISO 4035



## Technical drawing



d

nominal diameter

P

fine pitch

s

maximum width across flats

m

minimum and maximum height

## Variants and dimensional data

ISO 8675:2023 dimensions from M8 to M39, covering 19 diameter/pitch pairs. Configurable supply combinations are listed separately. Other diameters and pitches on request.

Dimensions in mm. Identification drawing, not a manufacturing drawing.

| M | Pitch P | s | m min. | m max. |
|---|---|---|---|---|
| 8 | 1 | 13 | 3.7 | 4 |
| 10 | 1.25 | 16 | 4.7 | 5 |
| 10 | 1 | 16 | 4.7 | 5 |
| 12 | 1.5 | 18 | 5.7 | 6 |
| 12 | 1.25 | 18 | 5.7 | 6 |
| 14 | 1.5 | 21 | 6.42 | 7 |
| 16 | 1.5 | 24 | 7.42 | 8 |
| 18 | 2 | 27 | 8.42 | 9 |
| 18 | 1.5 | 27 | 8.42 | 9 |
| 20 | 2 | 30 | 9.1 | 10 |
| 20 | 1.5 | 30 | 9.1 | 10 |
| 22 | 2 | 34 | 9.9 | 11 |
| 22 | 1.5 | 34 | 9.9 | 11 |
| 24 | 2 | 36 | 10.9 | 12 |
| 27 | 2 | 41 | 12.4 | 13.5 |
| 30 | 2 | 46 | 13.9 | 15 |
| 33 | 2 | 50 | 15.4 | 16.5 |
| 36 | 3 | 55 | 16.9 | 18 |
| 39 | 3 | 60 | 18.2 | 19.5 |

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Table dimensions refer to the stated execution. DIN/UNI, polymer and special variants require verification of their own dimensions; they do not automatically inherit reference geometry, weight or performance.

## Materials, classes, finishes and treatments

Executions are distinguished by reference, material, class and finish. DIN, ISO and UNI references do not imply dimensional equivalence or availability of every size in each material. Supply and batch documents require quotation confirmation.

| Execution reference | Material | Class / hardness | Documented finishes |
|---|---|---|---|
| DIN 439 | Stainless A2 | To be specified | To be specified |

“To be specified” is a requirement not established by this selection; it does not imply class 70/80, HV hardness or an automatic finish. Steel property classes do not apply to nylon/polyamide; PA6 and PA66 are distinguished only where stated. For nuts with non-metallic inserts, the material shown is the body material.

## Documentation

| Document | Status |
|---|---|
| Declaration of conformity | Subject to order agreement |
| Material certificate | Subject to order agreement |
| EN 10204 2.2 test report | Subject to order agreement |
| EN 10204 3.1 inspection certificate | Subject to order agreement |
| Dimensional inspection report | Subject to order agreement |
| Coating report | Subject to order agreement |
| Other documentation | Subject to order agreement |

Batch documents are not automatically included: specify your requirements in the RFQ.

## ISO, DIN and UNI: key differences

### ISO 8675:2023

Standard for style-0 thin nuts with metric fine threads. The pitch must match the mating male thread. Tabulated dimensional limits refer to the 2023 edition.

### DIN 439 B

Historical commercial reference also used for fine-pitch versions. DIN widths across flats may differ from ISO, particularly at M10, M12, M14 and M22: specify standard and pitch when ordering.

### ISO 4035:2023

Separate coarse-pitch family. A matching nominal diameter does not make coarse and fine threads interchangeable.