# Square weld nut

Welding projections allow a threaded attachment to be incorporated into a sheet-metal component.

Dimensional range

M4-M12

Thread

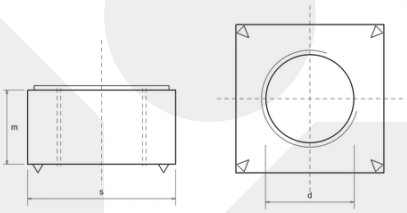
Metric · coarse pitch

Configuration

Square weld nut



## Technical drawing




d

nominal thread

P

pitch

s

width across flats

m

body height

h

overall height

dc

flange diameter. Only columns included in the table apply.

## Variants and dimensional data

Reference sizes are listed in the table. Other diameters, pitches, materials and finishes are available on request, subject to an agreed supply specification.

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

| M | Pitch P | s | m |
|---|---|---|---|
| 4 | 0.7 | 7 | 3.5 |
| 5 | 0.8 | 9 | 4.2 |
| 6 | 1 | 10 | 5 |
| 8 | 1.25 | 14 | 6.5 |
| 10 | 1.5 | 17 | 8 |
| 12 | 1.75 | 19 | 9.5 |

Agree weldable material and process for the sheet thickness and material. Check preparation hole, positioning, electrodes and weld strength on the actual component. This table is not a qualified welding procedure.

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 928 | Stainless A2 | To be specified | To be specified |
| DIN 928 | Steel | To be specified | Plain; Yellow zinc plated; Zinc plated |
| DIN 928 | Stainless A4 | 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

### DIN 928

Dimensions of the specified commercial selection do not replace a manufacturing drawing or the complete supply specification.