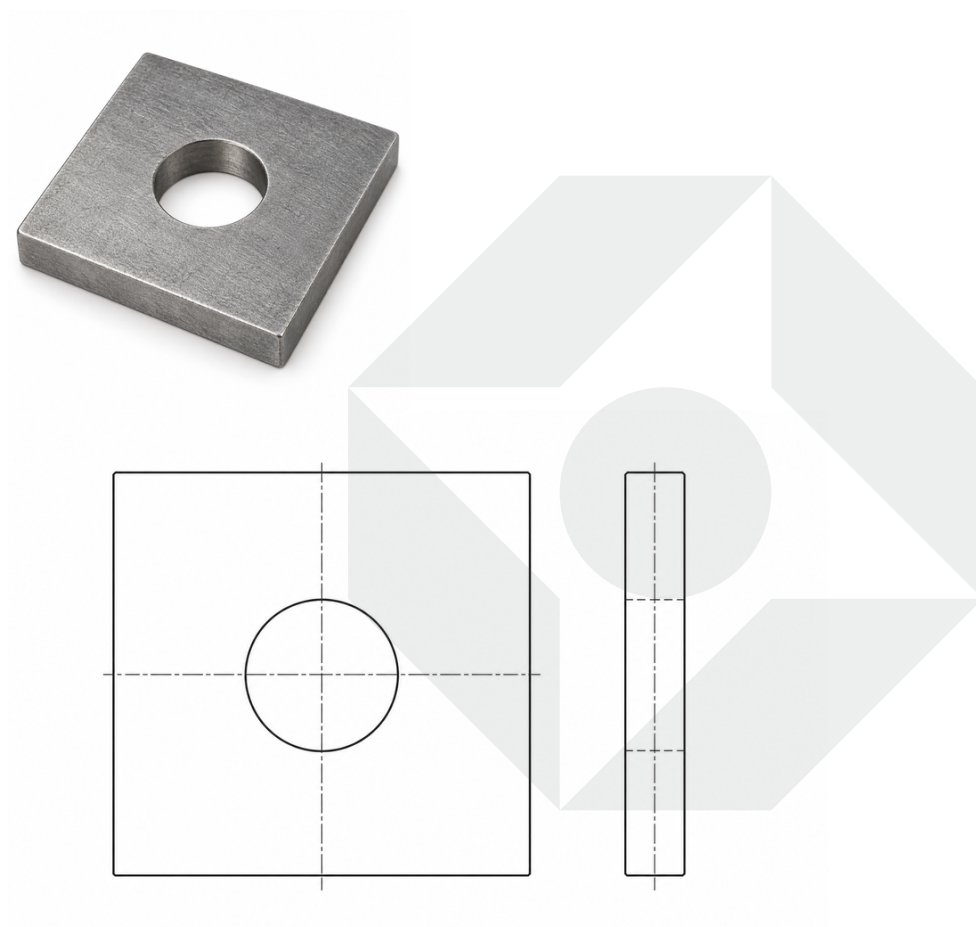


**DIN 436**

## Square washer with round hole · 100 HV

A flat square washer providing a broad bearing surface, particularly for timber joints. Its round hole and parallel faces distinguish it from tapered washers for steel sections: select bore, side length and thickness for the assembly.

Commercial selection M10, M12, M16, M20, M24 and M27 in 100 HV steel. Intermediate sizes and other geometries can be assessed on request. Nominal dimensions: also specify tolerances, material and finish for supply.



M: reference bolt size · d1: round bore · a: square side length · s: thickness. Nominal commercial dimensions.

Identification drawing, not a manufacturing drawing.

# Dimensional range

Dimensions in millimetres.

| M  | d1   | Side a | s | kg / 1,000 pcs |
|----|------|--------|---|----------------|
| 10 | 11   | 30     | 3 | 20             |
| 12 | 13.5 | 40     | 4 | 45.7           |
| 16 | 17.5 | 50     | 5 | 88.7           |
| 20 | 22   | 60     | 5 | 126            |
| 24 | 26   | 80     | 6 | 275            |
| 27 | 30   | 90     | 6 | 348            |

Indicative supplier-catalogue weight for each size in plain steel. It is not a normative or certified batch weight; do not transfer it to stainless versions or different dimensions.



# Materials and classes

| Material                          | Class / hardness | M       | Supply     |
|-----------------------------------|------------------|---------|------------|
| Steel to mechanical specification | 100 HV           | M10–M27 | On request |

## Finishes and treatments

| Finish                  | Material                          | Class  | M       |
|-------------------------|-----------------------------------|--------|---------|
| Plain / as manufactured | Steel to mechanical specification | 100 HV | M10–M27 |

The tabulated selection is plain steel. Enquire about zinc plating and other coatings, specifying service environment, coating thickness and supply requirements.



# Standards, documents and enquiry

The steel version described has hardness class 100 HV. Check bearing pressure on the substrate, washer bending and edge distances; a larger bearing surface alone does not determine joint capacity.

For timber construction, size the connection to the project requirements. The washer does not replace verification of the substrate or assembly-specific documentation.

## UNI 6596

Related commercial reference. Compare bore, side length, thickness and supply conditions; listing the references together does not imply exact equivalence.

## Supply documentation

Declaration of conformity; Material certificate; EN 10204 2.2 test report; EN 10204 3.1 inspection certificate; Dimensional inspection report; Coating report; Other documentation

Documents are subject to order agreement; no batch certificate is automatically included.

## Related components

DIN 9021, DIN 7349. Related round washers are alternatives to compare for envelope, bearing surface and geometry; they are not automatically interchangeable replacements.

## Request a quote

Specify standard, diameter, pitch and length where applicable, material, property class or hardness, finish, quantity and documents. Other sizes and dedicated production can be assessed on request, with agreed minimum quantities.

Reference technical configurations: these do not represent stock quantities.

## Other materials and specifications

Other dimensions, materials and finishes can be assessed on request. For substantial quantities we can review custom washers with specified sides, thicknesses and holes, agreeing requirements and minimum batch size.