

# M6 EPDM Sealing Washers Dimensions

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[Fasteners/Washers/EPDM Sealing Washers/M6 EPDM Sealing Washers Dimensions](#)

Washers · Industry standard

Controlling dimensions to Industry standard, with tolerances and fit.

M6 EPDM Sealing Washers dimensions to Industry standard: inside diameter 6.4 mm, outside diameter 19 mm, thickness 2.5 mm.

Inside diameter

6.4 mm

Outside diameter

19 mm

Thickness

2.5 mm

Figures are nominal values from the governing standard. Confirm against the tolerance class for your application before machining or ordering.



M6 EPDM Sealing Washers (Industry standard): the row from the product table, what the nominal bolt size controls in the assembly, and the notes that matter when specifying this size.

## M6 Dimensional Row (Industry standard)

| Screw size | Inner diameter d1 (mm) | Outer diameter d2 (mm) | Total thickness s (mm) | EPDM thickness (mm) | Backing material | Temperature range (deg C) | Reference standard |
|------------|------------------------|------------------------|------------------------|---------------------|------------------|---------------------------|--------------------|
| M6         | 6.4                    | 19                     | 2.5                    | 1.5                 | A2 stainless     | -40 to +130               | Industry standard  |

## Common Applications for M6 EPDM Sealing Washers

M6 EPDM Sealing Washers are commonly specified for general-purpose load-spreading and locking under machine bolts.

## Mating Parts for M6

A M6 flat washer pairs with a M6 bolt/screw and matching M6 nut.

## Technical Drawing

Customize the parameters below — every spec field is editable, and the drawing redraws to match the values you choose.

Changing the size will snap the other fields to that size's standard values; you can then override any individual value.

Sends the selected values to the quote form below.

## Request a Quote

The form below follows the current technical drawing configuration. Change the drawing values above and the request details update automatically.

## Dimensions & Specifications (Industry standard)

| Screw size     | Inner diameter d1 (mm) | Outer diameter d2 (mm) | Total thickness s (mm) | EPDM thickness (mm) | Backing material | Temperature range (deg C) | Reference standard |
|----------------|------------------------|------------------------|------------------------|---------------------|------------------|---------------------------|--------------------|
| No.8 (4.2 mm)  | 4.3                    | 11                     | 2.0                    | 1.0                 | Galvanised steel | -40 to +130               | Industry standard  |
| No.10 (4.8 mm) | 5.0                    | 14                     | 2.0                    | 1.0                 | Galvanised steel | -40 to +130               | Industry standard  |
| No.12 (5.5 mm) | 5.6                    | 16                     | 2.5                    | 1.5                 | Galvanised steel | -40 to +130               | Industry standard  |
| No.14 (6.3 mm) | 6.4                    | 19                     | 2.5                    | 1.5                 | Galvanised steel | -40 to +130               | Industry standard  |
| M6             | 6.4                    | 19                     | 2.5                    | 1.5                 | A2 stainless     | -40 to +130               | Industry standard  |
| M8             | 8.4                    | 22                     | 3.0                    | 2.0                 | A2 stainless     | -40 to +130               | Industry standard  |
| M10            | 10.5                   | 25                     | 3.0                    | 2.0                 | A2 stainless     | -40 to +130               | Industry standard  |

Inside the plant

## Manufactured in our own plant

This part is cold-formed, threaded, heat-treated and finished in-house. The stages below are where its class and finish are actually decided.

1.



01

### **Cold heading**

Wire rod is drawn to size and cold-formed into blanks. Forming rather than cutting keeps the grain flow continuous around the head, which is where a bolt is most likely to fail.

Head dimensions and under-head radius checked at set-up and per shift.



2.

02

## Thread rolling

Threads are rolled between hardened dies rather than cut. Rolled threads are stronger in fatigue than cut threads and hold pitch and flank angle far more consistently across a batch.

Go / no-go ring gauges to ISO 965 tolerance class 6g.

3.



03

### Heat treatment

Quench-and-temper brings carbon and alloy steel to the property class ordered — 8.8, 10.9 or 12.9 — with the furnace charge tracked so a finished lot can be traced back to it.

Core hardness and tensile tested per lot to ISO 898-1.

4.



04

## Surface treatment

Zinc, zinc-nickel, hot-dip galvanizing, black oxide, phosphate and Dacromet, selected against the service environment rather than against the price list.

Coating thickness and neutral salt spray hours to ISO 9227.

## Frequently Asked Questions

Which washer dimensions matter most for M6?

For a flat washer, the outside diameter (the bearing surface) and the thickness control how the load is spread under the head and how much elastic preload is preserved. The inside diameter must clear the bolt body but not be so large that the head bears mostly on the washer's outer rim.

What is the coarse-thread pitch of M6 for EPDM Sealing Washers?

For M6 the standard coarse pitch is 1 mm — this is the value used for EPDM Sealing Washers.

What clearance and tapping drill suit M6?

Use a 6.6 mm clearance hole (ISO 273 medium) for through-fixing, or a 5 mm tapping drill for a coarse M6 thread.

How do I request a quotation?

Use the technical drawing on this page to pick the exact configuration, then submit it with the quote form. We respond within one business day.

## Related Pages

[View the full EPDM Sealing Washers page](#)

### More EPDM Sealing Washers Guides

- [M8 EPDM Sealing Washers](#)
- [M10 EPDM Sealing Washers](#)