

M8 EPDM Sealing Washers Dimensions

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Washers · Industry standard

Controlling dimensions to industry standard, with tolerances and fit.

M8 EPDM Sealing Washers dimensions to Industry standard: inside diameter 8.4 mm, outside diameter 22 mm, thickness 3 mm.

Inside diameter

8.4 mm

Outside diameter

22 mm

Thickness

3 mm

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



Dimensional data for M8 EPDM Sealing Washers. Selection is by nominal bolt size rather than by thread, so the controlling figures are the ones in the row below together with the fit and tolerance the mating feature requires.

M8 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
M8	8.4	22	3.0	2.0	A2 stainless	-40 to +130	Industry standard

Common Applications for M8 EPDM Sealing Washers

M8 EPDM Sealing Washers are commonly specified for general-purpose load-spreading and locking under machine bolts.

Mating Parts for M8

A M8 flat washer pairs with a M8 bolt/screw and matching M8 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

Video: M8 EPDM Sealing Washers Dimensions



► Watch video: <https://www.youtube.com/watch?v=2IJVNyxH18I>

Features of Bonded Sealing Washers

Third-party video, selected automatically for this topic. It is not produced by Engineering Hardware and is not a specification source — use the tables on this page for dimensional data.

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

What clearance and tapping drill suit M8?

Use a 9 mm clearance hole (ISO 273 medium) for through-fixing, or a 6.8 mm tapping drill for a coarse M8 thread.

Which washer dimensions matter most for M8?

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 M8 for EPDM Sealing Washers?

For M8 the standard coarse pitch is 1.25 mm — this is the value used for EPDM Sealing Washers.

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.

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