

PTFE Flat Washers

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[Fasteners/Washers](#) PTFE Flat Washers

[Washers](#) · [Non-Metallic Washers](#)

9 catalogued sizes, dimensioned to DIN 125 A. Pick any row and the technical drawing redraws to it.

PTFE Flat Washers to DIN 125 A are catalogued in sizes M3 to M20, with id 3.2-21 mm, od 7-37 mm, thick 0.5-3 mm. 9 sizes are held in the table below, and the technical drawing redraws to whichever row you select.

Standard

DIN 125 A

Size range

M3-M20

ID

3.2-21 mm

OD

7-37 mm

Catalogued sizes

9

Dimensions are nominal values from the governing standard. Confirm the tolerance class for your application before ordering.



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 Quotation for PTFE Flat Washers

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

Dimensions & Specifications (DIN 125 A)

Every row below is a starting point for the customizer above — pick any size and the drawing will redraw to that row.

Thread size	Inner diameter d1 (mm)	Outer diameter d2 (mm)	Thickness s (mm)	Material	Temperature range (deg C)	Reference standard
M3	3.2	7	0.5	PTFE	-200 to +260	DIN 125 A series
M4	4.3	9	1.0	PTFE	-200 to +260	DIN 125 A series
M5	5.3	10	1.0	PTFE	-200 to +260	DIN 125 A series
M6	6.4	12	1.5	PTFE	-200 to +260	DIN 125 A series
M8	8.4	16	2.0	PTFE	-200 to +260	DIN 125 A series
M10	10.5	20	2.0	PTFE	-200 to +260	DIN 125 A series
M12	13	24	2.5	PTFE	-200 to +260	DIN 125 A series
M16	17	30	3.0	PTFE	-200 to +260	DIN 125 A series
M20	21	37	3.0	PTFE	-200 to +260	DIN 125 A series

Manufactured to DIN 125 A, PTFE Flat Washers are washers supplied by Engineering Hardware. The dimensional data, materials and selection notes are summarized here.

What Are PTFE Flat Washers?

PTFE Flat Washers are washers defined by DIN 125 A. They are selected by thread size and the dimensional characteristics shown below, and are available in a range of materials and finishes to suit the application and environment.

Materials & Finishes

Common materials include carbon steel (typically zinc plated or hot-dip galvanized), hardened or case-hardened steel where wear matters, and stainless steel A2 (304) or A4 (316) for corrosion resistance. Specify the material, hardness where relevant, and the surface finish appropriate to your application and environment.

Typical Applications

Load distribution, surface protection and anti-loosening under bolt and nut heads in virtually all bolted joints. [Read the full application guide for PTFE Flat Washers →](#)

Pricing

PTFE Flat Washers are supplied to order. Pricing starts from approximately US\$0.060 per piece for standard sizes in carbon steel; final pricing depends on size, material, finish and order quantity (MOQ applies). Submit your exact configuration with the quote form above.

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 is the controlling standard for PTFE Flat Washers?

PTFE Flat Washers are manufactured to DIN 125 A. The dimensional values on this page follow that standard.

What sizes are available for PTFE Flat Washers?

The table on this page lists 9 sizes for PTFE Flat Washers, ranging from M3 to M20. Sizes outside the table can be quoted on request.

In which materials are PTFE Flat Washers supplied?

PTFE Flat Washers are supplied in carbon steel (zinc plated / HDG) and stainless A2 / A4, with finishes including zinc plating, hot-dip galvanizing and black oxide. Choose material and finish to suit the load and the service environment for PTFE Flat Washers.

How do I request a quotation?

Use the parametric drawing on this page to set the exact configuration (size, material, finish) and click "Request this configuration" — a specialist from Engineering Hardware will respond within one business day.

More Washers

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