

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) — GB/T 97.1 / ISO 7089

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[Fasteners/ Washers/](#) General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087)

Washers · CAD Flat Washers

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) to GB/T 97.1 / ISO 7089. Full dimensional table, materials, finishes and quotation. 14 sizes listed.



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 General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087)

Tell us the size, material, finish and quantity you need for General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) (GB/T 97.1 / ISO 7089) and our team will respond within one business day. Click "Request this configuration" on the drawing above to send the parameters you just chose straight into this form.

Category Type Standard Thread size Material Finish

Dimensions & Specifications (GB/T 97.1 / ISO 7089)

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

For bolt size	Inner diameter d1 (mm)	Outer diameter d2 (mm)	Thickness t (mm)	Reference standard
M3	3.2	7.0	0.5	ISO 7089 / GB/T 97.1
M4	4.3	9.0	0.8	ISO 7089 / GB/T 97.1
M5	5.3	10.0	1.0	ISO 7089 / GB/T 97.1
M6	6.4	12.0	1.6	ISO 7089 / GB/T 97.1
M8	8.4	16.0	1.6	ISO 7089 / GB/T 97.1
M10	10.5	20.0	2.0	ISO 7089 / GB/T 97.1
M12	13.0	24.0	2.5	ISO 7089 / GB/T 97.1
M14	15.0	28.0	2.5	ISO 7089 / GB/T 97.1
M16	17.0	30.0	3.0	ISO 7089 / GB/T 97.1
M18	19.0	34.0	3.0	ISO 7089 / GB/T 97.1
M20	21.0	37.0	3.0	ISO 7089 / GB/T 97.1
M24	25.0	44.0	4.0	ISO 7089 / GB/T 97.1
M30	31.0	56.0	4.0	ISO 7089 / GB/T 97.1
M36	37.0	66.0	5.0	ISO 7089 / GB/T 97.1

Manufactured to GB/T 97.1 / ISO 7089, General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) are washers supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087)?

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) are washers defined by GB/T 97.1 / ISO 7089. 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.

CAD Source Reference

This page is generated from an original native CAD part model (SolidWorks .SLDPRT) of the general flat washer — gb/t 97.1 / iso 7089 (series 087) family maintained by our engineering team, covering 18 recorded size configurations. The technical drawing shown above is rebuilt parametrically from the dimensional table, so it always reflects the exact size and configuration you select. Native CAD files (STEP / SLDPRPT) can be supplied with your quotation on request.

Materials & Finishes

Common materials include carbon steel (typically zinc plated or hot-dip galvanized), alloy steel in property classes 8.8, 10.9 and 12.9, and stainless steel A2 (304) or A4 (316) for corrosion resistance. Specify the material, property class and surface finish appropriate to your load 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 General Flat Washer — GB/T 97.1 / ISO 7089 \(Series 087\) →](#)

Related Fasteners

- [General Flat Washer — GB/T 97.2 / ISO 7090 \(Series 088\) — GB/T 97.2 / ISO 7090](#)
- [General Flat Washer — GB/T 5782 / ISO 4014 \(Series 008\) — GB/T 5782 / ISO 4014](#)
- [Flat Plain Washer — GB/T 95 / ISO 7091 \(Series 079\) — GB/T 95 / ISO 7091](#)
- [Flat Plain Washer \(GB/T 95\) — GB/T 97.1 / ISO 7089 \(Series 086\) — GB/T 97.1 / ISO 7089](#)
- [Square Channel-Steel Washer — GB/T 852 \(Series 083\) — GB/T 852](#)

Pricing

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) are stocked and supplied to order. Pricing starts from approximately US\$0.010 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.

Frequently Asked Questions

What standard and drive type do General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) use?

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) are manufactured to GB/T 97.1 / ISO 7089 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What is the size range of General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087)?

The table on this page lists 14 sizes for General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087), ranging from M3 to M36. Sizes outside the table can be quoted on request.

In which materials are General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) supplied?

General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087) 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 General Flat Washer — GB/T 97.1 / ISO 7089 (Series 087).

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 engineeringhardware.com will respond within one business day.

More Washers

[← Previous Flat Plain Washer \(GB/T 95\) — GB/T 97.1 / ISO 7089 \(Series 086\)GB/T 97.1 / ISO 7089](#)[Next → General Flat Washer — GB/T 97.2 / ISO 7090 \(Series 088\)GB/T 97.2 / ISO 7090](#)