

E-Clips (External Snap Rings) — DIN 6799

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[Retaining Rings · E-Clips \(External Snap Rings\)](#)

E-Clips (External Snap Rings) to DIN 6799. Full dimensional table, materials, finishes and quotation. 16 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 E-Clips (External Snap Rings)

Tell us the size, material, finish and quantity you need for E-Clips (External Snap Rings) (DIN 6799) 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 (DIN 6799)

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

Groove diameter (mm)	Shaft diameter range (mm)	Outside diameter (mm)	Thickness s (mm)	Reference standard	Notes
1.2	1.4~2.0	3.0	0.3	DIN 6799	E-clip, radial-fit external retaining
1.5	2.0~2.5	3.8	0.4	DIN 6799	E-clip, radial-fit external retaining
1.9	2.5~3.2	4.8	0.4	DIN 6799	E-clip, radial-fit external retaining
2.3	3.2~4.0	6.0	0.6	DIN 6799	E-clip, radial-fit external retaining
3.2	4.0~5.0	7.4	0.6	DIN 6799	E-clip, radial-fit external retaining
4.0	5.0~7.0	9.0	0.7	DIN 6799	E-clip, radial-fit external retaining
5.0	7.0~9.0	11.0	0.7	DIN 6799	E-clip, radial-fit external retaining
6.0	9.0~11.0	12.2	0.8	DIN 6799	E-clip, radial-fit external retaining
7.0	11.0~14.0	14.3	0.9	DIN 6799	E-clip, radial-fit external retaining
8.0	14.0~18.0	16.2	1.0	DIN 6799	E-clip, radial-fit external retaining
9.0	18.0~24.0	18.0	1.0	DIN 6799	E-clip, radial-fit external retaining
10.0	24.0~31.0	20.2	1.2	DIN 6799	E-clip, radial-fit external retaining
12.0	31.0~38.0	23.2	1.2	DIN 6799	E-clip, radial-fit external retaining
15.0	38.0~45.0	29.0	1.5	DIN 6799	E-clip, radial-fit external retaining
19.0	45.0~55.0	37.0	1.75	DIN 6799	E-clip, radial-fit external retaining
24.0	55.0~70.0	44.0	2.0	DIN 6799	E-clip, radial-fit external retaining

Manufactured to DIN 6799, E-Clips (External Snap Rings) are retaining rings supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are E-Clips (External Snap Rings)?

E-Clips (External Snap Rings) are retaining rings defined by DIN 6799. 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), 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

Axial retention of bearings, gears and shafts in housings and on shafts. [Read the full application guide for E-Clips \(External Snap Rings\)](#) →

Related Fasteners

- [Retaining Ring \(Circlip\) — ISO / DIN \(Series 147\) — ISO / DIN](#)
- [Retaining Rings \(Circlips\) — DIN 471 / DIN 472](#)
- [Retaining Ring \(Circlip\) — ISO / DIN \(Series 151\) — ISO / DIN](#)
- [Retaining Ring \(Circlip\) — ISO / DIN \(Series 149\) — ISO / DIN](#)
- [Retaining Ring \(Circlip\) — ISO / DIN \(Series 148\) — ISO / DIN](#)

Pricing

E-Clips (External Snap Rings) are stocked and supplied to order. Pricing starts from approximately US\$0.020 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

Which standard governs E-Clips (External Snap Rings), and how are they driven?

E-Clips (External Snap Rings) are manufactured to DIN 6799 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What sizes are available for E-Clips (External Snap Rings)?

The table on this page lists 16 sizes for E-Clips (External Snap Rings), ranging from 1.2 to 24.0. Sizes outside the table can be quoted on request.

In which materials are E-Clips (External Snap Rings) supplied?

E-Clips (External Snap Rings) are supplied in spring steel, with finishes including zinc plating, hot-dip galvanizing and black oxide.

Choose material and finish to suit the load and the service environment for E-Clips (External Snap Rings).

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 Retaining Rings

[← PreviousRetaining Ring \(Circlip\) — ISO / DIN \(Series 151\)ISO / DINNext →Retaining Rings \(Circlips\)DIN 471 / DIN 472](#)