

Torsion Springs — DIN 2089

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Torsion Springs to DIN 2089. Full dimensional table, materials, finishes and quotation. 10 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 Torsion Springs

Tell us the size, material, finish and quantity you need for Torsion Springs (DIN 2089) 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 2089)

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

Wire dia d (mm)	Inner diameter Di (mm)	Outer diameter De (mm)	Length Lo (mm)	Coils n	Torque range	Material	Reference standard
0.5	4.0	5.0	10	6	5~15Nmm	Spring steel	DIN 2089
0.6	5.0	6.2	12	6	8~25Nmm	Spring steel	DIN 2089
0.8	6.0	7.6	15	6	18~55Nmm	Spring steel	DIN 2089
1.0	8.0	10.0	18	6	35~100Nmm	Spring steel	DIN 2089
1.2	9.0	11.4	20	6	65~190Nmm	Spring steel	DIN 2089
1.5	12.0	15.0	25	6	150~420Nmm	Spring steel	DIN 2089
2.0	15.0	19.0	30	6	380~1100Nmm	Spring steel	DIN 2089
2.5	20.0	25.0	35	6	900~2500Nmm	Spring steel	DIN 2089
3.0	25.0	31.0	40	6	1800~5000Nmm	Spring steel	DIN 2089
4.0	32.0	40.0	50	6	5500~15000Nmm	Spring steel	DIN 2089

Torsion Springs conform to DIN 2089. As springs, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are Torsion Springs?

Torsion Springs are springs defined by DIN 2089. 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

Energy storage and return in mechanisms, valves, tools and assemblies. [Read the full application guide for Torsion Springs →](#)

Related Fasteners

- [Compression Spring — ISO / DIN \(Series 145\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 141\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 142\) — ISO / DIN](#)
- [Compression Springs — DIN 2098](#)
- [Compression Spring — ISO / DIN \(Series 146\) — ISO / DIN](#)

Pricing

Torsion Springs are stocked and supplied to order. Pricing starts from approximately US\$0.20 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 Torsion Springs use?

Torsion Springs are manufactured to DIN 2089 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What is the size range of Torsion Springs?

The table on this page lists 10 sizes for Torsion Springs, ranging from 0.5 to 4.0. Sizes outside the table can be quoted on request.

In which materials are Torsion Springs supplied?

Torsion Springs are supplied in spring steel SH/DH and stainless, with finishes including zinc plating, hot-dip galvanizing and black oxide. Choose material and finish to suit the load and the service environment for Torsion Springs.

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 Springs

[← Previous](#)[Extension Springs](#)[DIN 2097](#)[Next →](#)[Compression Spring — ISO / DIN \(Series 141\)](#)[ISO / DIN](#)