

Compression Spring — ISO / DIN (Series 146) — ISO / DIN

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Springs · CAD Compression Springs

Compression Spring — ISO / DIN (Series 146) to ISO / DIN. 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 Compression Spring — ISO / DIN (Series 146)

Tell us the size, material, finish and quantity you need for Compression Spring — ISO / DIN (Series 146) (ISO / DIN) 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 (ISO / DIN)

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)	Outer diameter De (mm)	Free length Lo (mm)	Rate k (N/mm)	Rated force Fn (N)	Material	Reference standard
0.6	5.2	20	1.5	12	Music wire / chrome silicon	DIN 2098 / GB/T 23934
0.8	6.6	25	2.5	22	Music wire / chrome silicon	DIN 2098 / GB/T 23934
1.0	8.0	30	3.5	35	Music wire / chrome silicon	DIN 2098 / GB/T 23934
1.2	10.4	40	6.0	55	Music wire / chrome silicon	DIN 2098 / GB/T 23934
1.6	15.2	60	8.5	90	Music wire / chrome silicon	DIN 2098 / GB/T 23934
2.0	20.0	80	18.0	165	Music wire / chrome silicon	DIN 2098 / GB/T 23934
2.5	25.0	100	28.0	260	Music wire / chrome silicon	DIN 2098 / GB/T 23934
3.0	30.0	120	45.0	450	Music wire / chrome silicon	DIN 2098 / GB/T 23934
4.0	40.0	150	90.0	1000	Music wire / chrome silicon	DIN 2098 / GB/T 23934
5.0	50.0	200	170	1900	Music wire / chrome silicon	DIN 2098 / GB/T 23934

Compression Spring — ISO / DIN (Series 146) conform to ISO / DIN. As springs, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are Compression Spring — ISO / DIN (Series 146)?

Compression Spring — ISO / DIN (Series 146) are springs defined by ISO / DIN. 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 compression spring — iso / din (series 146) family maintained by our engineering team, covering 5 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

Energy storage and return in mechanisms, valves, tools and assemblies. [Read the full application guide for Compression Spring — ISO / DIN \(Series 146\) →](#)

Related Fasteners

- [Compression Spring — ISO / DIN \(Series 145\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 142\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 141\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 144\) — ISO / DIN](#)
- [Torsion Springs — DIN 2089](#)

Pricing

Compression Spring — ISO / DIN (Series 146) are stocked and supplied to order. Pricing starts from approximately US\$0.15 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 Compression Spring — ISO / DIN (Series 146) use?

Compression Spring — ISO / DIN (Series 146) are manufactured to ISO / DIN and use the standard drive for this product family. The dimensional values on this page follow that standard.

Which sizes of Compression Spring — ISO / DIN (Series 146) does engineeringhardware.com supply?

The table on this page lists 10 sizes for Compression Spring — ISO / DIN (Series 146), ranging from 0.6 to 5.0. Sizes outside the table can be quoted on request.

In which materials are Compression Spring — ISO / DIN (Series 146) supplied?

Compression Spring — ISO / DIN (Series 146) 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 Compression Spring — ISO / DIN (Series 146).

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

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