

Extension Spring — ISO / DIN (Series 143) — ISO / DIN

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Extension Spring — ISO / DIN (Series 143) to ISO / DIN. Full dimensional table, materials, finishes and quotation. 8 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 Extension Spring — ISO / DIN (Series 143)

Tell us the size, material, finish and quantity you need for Extension Spring — ISO / DIN (Series 143) (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)	Initial tension F0 (N)	Rate k (N/mm)	Material	Reference standard
0.8	6	30	2	2.5	Music wire	DIN 2097 / GB/T 23935
1.0	8	40	4	4.0	Music wire	DIN 2097 / GB/T 23935
1.2	10	50	6	6.5	Music wire	DIN 2097 / GB/T 23935
1.6	14	70	10	12.0	Music wire	DIN 2097 / GB/T 23935
2.0	18	90	18	20.0	Music wire	DIN 2097 / GB/T 23935
2.5	22	120	28	32.0	Music wire	DIN 2097 / GB/T 23935
3.0	28	150	45	55.0	Music wire	DIN 2097 / GB/T 23935
4.0	40	200	90	110.0	Music wire	DIN 2097 / GB/T 23935

Extension Spring — ISO / DIN (Series 143) are springs manufactured to ISO / DIN. This page lists the full dimensional range with the key specifications engineers need to select and specify them.

What Are Extension Spring — ISO / DIN (Series 143)?

Extension Spring — ISO / DIN (Series 143) 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 extension spring — iso / din (series 143) family maintained by our engineering team. 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 / SLDPR) 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 Extension Spring — ISO / DIN \(Series 143\) →](#)

Related Fasteners

- [Compression Spring — ISO / DIN \(Series 146\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 145\) — ISO / DIN](#)
- [Compression Spring — ISO / DIN \(Series 141\) — ISO / DIN](#)
- [Torsion Springs — DIN 2089](#)
- [Extension Springs — DIN 2097](#)

Pricing

Extension Spring — ISO / DIN (Series 143) 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

Which standard governs Extension Spring — ISO / DIN (Series 143), and how are they driven?

Extension Spring — ISO / DIN (Series 143) are manufactured to ISO / DIN and use the standard drive for this product family. The dimensional values on this page follow that standard.

What is the size range of Extension Spring — ISO / DIN (Series 143)?

The table on this page lists 8 sizes for Extension Spring — ISO / DIN (Series 143), ranging from 0.8 to 4.0. Sizes outside the table can be quoted on request.

In which materials are Extension Spring — ISO / DIN (Series 143) supplied?

Extension Spring — ISO / DIN (Series 143) 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 Extension Spring — ISO / DIN (Series 143).

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](#)[Compression Spring — ISO / DIN \(Series 142\)](#)[ISO / DIN](#)[Next →](#)[Compression Spring — ISO / DIN \(Series 144\)](#)[ISO / DIN](#)