Compression Springs — DIN 2098

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Fasteners/ Springs/ Compression Springs

Springs · Compression Springs

Compression Springs to DIN 2098. Full dimensional table, materials, finishes and quotation. 26 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 Springs

Tell us the size, material, finish and quantity you need for Compression Springs (DIN 2098) 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 2098)

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)	Free length Lo (mm)	Active coils n	Rated force Fn (N)	Rate k (N/mm)	Material	Reference standard	Notes
0.5	3.0	4.0	15	8	8	1.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
0.5	4.0	5.0	20	10	6	0.7	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
0.6	4.0	5.2	20	9	12	1.5	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
0.7	5.0	6.4	25	10	15	1.5	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
0.8	5.0	6.6	25	10	22	2.5	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
1.0	6.0	8.0	30	10	35	3.5	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
1.0	8.0	10.0	40	12	25	2.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
1.2	8.0	10.4	40	10	55	6.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
1.5	10.0	13.0	50	10	80	8.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
1.6	12.0	15.2	60	10	90	8.5	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
2.0	12.0	16.0	60	10	165	18.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends

Wire dia d (mm)	Inner diameter Di (mm)	Outer diameter De (mm)	Free length Lo (mm)	Active coils n	Rated force Fn (N)	Rate k (N/mm)	Material	Reference standard	Notes
2.0	16.0	20.0	80	12	110	10.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
2.5	16.0	21.0	80	10	260	28.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
2.5	20.0	25.0	100	12	200	18.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
3.0	20.0	26.0	100	10	450	45.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
3.0	25.0	31.0	120	12	320	28.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
4.0	25.0	33.0	120	10	1000	90.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
4.0	30.0	38.0	150	12	750	65.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
5.0	30.0	40.0	150	10	1900	170.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
5.0	40.0	50.0	200	12	1200	100.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
6.0	40.0	52.0	200	10	3300	280.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
6.0	50.0	62.0	250	12	2100	185.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends

Wire dia d (mm)	Inner diameter Di (mm)	Outer diameter De (mm)	Free length Lo (mm)	Active coils n	Rated force Fn (N)	Rate k (N/mm)	Material	Reference standard	Notes
8.0	50.0	66.0	250	10	7500	650.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
8.0	65.0	81.0	300	12	4800	430.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
10.0	65.0	85.0	300	10	14500	1200.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends
10.0	80.0	100.0	350	12	9500	800.0	Spring steel SH/DH	DIN 2098 / EN 15800	Compression spring, ground ends

Compression Springs conform to DIN 2098. As springs, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

What Are Compression Springs?

Compression Springs are springs defined by DIN 2098. 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 Compression Springs →

Related Fasteners

- Compression Spring — ISO / DIN (Series 142) — ISO / DIN
- Compression Spring — ISO / DIN (Series 145) — ISO / DIN

- Compression Spring — ISO / DIN (Series 141) — ISO / DIN
- Torsion Springs — DIN 2089
- Compression Spring — ISO / DIN (Series 146) — ISO / DIN

Pricing

Compression Springs 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 Compression Springs, and how are they driven?
Compression Springs are manufactured to DIN 2098 and use the standard drive for this product family. The dimensional values on this page follow that standard.

Which sizes of Compression Springs does engineeringhardware.com supply?
The table on this page lists 26 sizes for Compression Springs, ranging from 0.5 to 10.0. Sizes outside the table can be quoted on request.

In which materials are Compression Springs supplied?
Compression 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 Compression 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

← PreviousCompression Spring — ISO / DIN (Series 146)ISO / DINNext →Extension SpringsDIN 2097