

Helical Thread Inserts — DIN 8140

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Helical Thread Inserts to DIN 8140. 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 Helical Thread Inserts

Tell us the size, material, finish and quantity you need for Helical Thread Inserts (DIN 8140) 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 8140)

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

Thread size	Pitch (mm)	Length (mm)	Drill / tap size (mm)	Free coil diameter (mm)	Reference standard	Notes
M3	0.5	4.5	3.1 (STI tap)	3.45	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M3	0.5	6.0	3.1 (STI tap)	3.45	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M4	0.7	6.0	4.2 (STI tap)	4.57	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M4	0.7	8.0	4.2 (STI tap)	4.57	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M5	0.8	7.5	5.3 (STI tap)	5.67	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M5	0.8	10.0	5.3 (STI tap)	5.67	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M6	1.0	9.0	6.3 (STI tap)	6.80	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M6	1.0	12.0	6.3 (STI tap)	6.80	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M8	1.25	12.0	8.4 (STI tap)	9.01	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M8	1.25	16.0	8.4 (STI tap)	9.01	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M10	1.5	15.0	10.5 (STI tap)	11.26	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M10	1.5	20.0	10.5 (STI tap)	11.26	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M12	1.75	18.0	12.6 (STI tap)	13.51	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M12	1.75	24.0	12.6 (STI tap)	13.51	DIN 8140 / ISO 10130	Wire thread insert, 2xD length; tang break-off
M16	2.0	24.0	16.5 (STI tap)	17.71	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off
M20	2.5	30.0	20.5 (STI tap)	22.07	DIN 8140 / ISO 10130	Wire thread insert, 1.5xD length; tang break-off

Helical Thread Inserts are threaded inserts manufactured to DIN 8140. This page lists the full dimensional range with the key specifications engineers need to select and specify them.

What Are Helical Thread Inserts?

Helical Thread Inserts are threaded inserts defined by DIN 8140. 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.

Pricing

Helical Thread Inserts are stocked and supplied to order. Pricing starts from approximately US\$0.080 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 Helical Thread Inserts, and how are they driven?

Helical Thread Inserts are manufactured to DIN 8140 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What is the size range of Helical Thread Inserts?

The table on this page lists 16 sizes for Helical Thread Inserts, ranging from M3 to M20. Sizes outside the table can be quoted on request.

In which materials are Helical Thread Inserts supplied?

Helical Thread Inserts are supplied in carbon steel 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 Helical Thread Inserts.

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.