

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) — GB/T 845 / ISO 7049

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[Fasteners/ Screws/](#) Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045)

Screws · CAD Self-Tapping Screws

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) to GB/T 845 / ISO 7049. 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 Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045)

Tell us the size, material, finish and quantity you need for Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) (GB/T 845 / ISO 7049) 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 (GB/T 845 / ISO 7049)

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

Size	Nominal diameter (mm)	Pitch (mm)	Length L (mm)	Head diameter dk (mm)	Head height k (mm)	Reference standard
ST2.2	2.2	0.8	9.5	4.2	1.4	ISO 1481 / GB/T 845
ST2.9	2.9	1.1	13	5.6	1.7	ISO 1481 / GB/T 845
ST3.5	3.5	1.3	16	6.9	2.1	ISO 1481 / GB/T 845
ST3.9	3.9	1.3	16	7.5	2.3	ISO 1481 / GB/T 845
ST4.2	4.2	1.4	19	8.2	2.5	ISO 1481 / GB/T 845
ST4.8	4.8	1.6	25	9.5	2.9	ISO 1481 / GB/T 845
ST5.5	5.5	1.8	32	10.9	3.3	ISO 1481 / GB/T 845
ST6.3	6.3	1.8	38	12.5	3.8	ISO 1481 / GB/T 845

Manufactured to GB/T 845 / ISO 7049, Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) are screws supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045)?

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) are screws defined by GB/T 845 / ISO 7049. 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 sheet-metal self-tapping screw — gb/t 845 / iso 7049 (series 045) 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 / 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

Machine assembly, tooling, enclosures and precision equipment where a clean, controllable drive and head form are needed. [Read the full application guide for Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 \(Series 045\) →](#)

Related Fasteners

- [Heavy Hex Socket Head Cap Screw — GB/T 1228 / ASTM A325 \(Series 046\) — GB/T 1228 / ASTM A325](#)
- [Slotted Countersunk Head Screw — GB/T 68 / ISO 2009 \(Series 039\) — GB/T 68 / ISO 2009](#)
- [Slotted Flat Point Set Screw — GB/T 73 / ISO 4766 \(Series 038\) — GB/T 73 / ISO 4766](#)
- [Lifting Eye Bolt — GB/T 825 / DIN 580 \(Series 036\) — GB/T 825 / DIN 580](#)
- [Phillips Pan Head Machine Screw — GB/T 818 / ISO 7045 \(Series 033\) — GB/T 818 / ISO 7045](#)

Pricing

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) are stocked and supplied to order. Pricing starts from approximately US\$0.050 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 is the controlling standard for Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045), and what drive do they take?

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) are manufactured to GB/T 845 / ISO 7049 and use a cross recess (Phillips/Pozi) drive. The dimensional values on this page follow that standard.

What is the size range of Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045)?

The table on this page lists 8 sizes for Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045), ranging from ST2.2 to ST6.3. Sizes outside the table can be quoted on request.

In which materials are Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) supplied?

Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045) are supplied in alloy steel (typically 10.9 / 12.9 for socket screws), carbon steel and stainless A2 / A4, with finishes including zinc plating, hot-dip galvanizing and black oxide. Choose material and finish to suit the load and the service environment for Sheet-Metal Self-Tapping Screw — GB/T 845 / ISO 7049 (Series 045).

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 Screws

[← Previous](#)[Cheese Head Screws](#)[ISO 7048 / DIN 7985](#)[Next →](#)[Heavy Hex Socket Head Cap Screw — GB/T 1228 / ASTM A325 \(Series 046\)](#)[GB/T 1228 / ASTM A325](#)