

Self-Tapping Screws — DIN 7976 / ISO 1481

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Screws · Self-Tapping Screws

Self-Tapping Screws to DIN 7976 / ISO 1481. 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 Self-Tapping Screws

Tell us the size, material, finish and quantity you need for Self-Tapping Screws (DIN 7976 / ISO 1481) 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 7976 / ISO 1481)

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)	Pilot hole (mm)	Pitch (mm)	Head diameter dk (mm)	Head height k (mm)	Plate thickness (mm)	Reference standard	Notes
ST2.2	2.2	1.7	0.71	4.2	1.4	0.5~1.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST2.9	2.9	2.3	0.94	5.6	1.7	0.6~1.6	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST3.5	3.5	2.8	1.27	6.9	2.1	0.8~2.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST3.9	3.9	3.1	1.29	7.5	2.3	0.9~2.5	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST4.2	4.2	3.4	1.41	8.2	2.5	1.0~2.5	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST4.8	4.8	3.9	1.59	9.5	2.9	1.2~3.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST5.5	5.5	4.5	1.81	10.9	3.3	1.5~3.5	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST6.3	6.3	5.1	1.81	12.5	3.8	2.0~4.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST8.0	8.0	6.7	2.12	16.0	4.8	2.5~5.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping
ST9.5	9.5	8.0	2.12	19.0	5.7	3.0~6.0	DIN 7976 / ISO 1481	Cross-recess pan-head self-tapping

Manufactured to DIN 7976 / ISO 1481, Self-Tapping Screws are screws supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Self-Tapping Screws?

Self-Tapping Screws are screws defined by DIN 7976 / ISO 1481. 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

Machine assembly, tooling, enclosures and precision equipment where a clean, controllable drive and head form are needed. [Read the full application guide for Self-Tapping Screws →](#)

Related Fasteners

- [Heavy Hex Socket Head Cap Screw — GB/T 1228 / ASTM A325 \(Series 046\) — GB/T 1228 / ASTM A325](#)
- [Slotted Pan Head Screw — GB/T 67 / ISO 1580 \(Series 040\) — GB/T 67 / ISO 1580](#)
- [Lifting Eye Bolt — GB/T 825 / DIN 580 \(Series 037\) — GB/T 825 / DIN 580](#)
- [Phillips Countersunk Machine Screw — GB/T 819.1 / ISO 7046 \(Series 031\) — GB/T 819.1 / ISO 7046](#)
- [Phillips Countersunk Machine Screw — GB/T 819.1 / ISO 7046 \(Series 029\) — GB/T 819.1 / ISO 7046](#)

Pricing

Self-Tapping Screws are stocked and supplied to order. Pricing starts from approximately US\$0.030 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 Self-Tapping Screws, and how are they driven?

Self-Tapping Screws are manufactured to DIN 7976 / ISO 1481 and use a cross recess (Phillips/Pozi) drive. The dimensional values on this page follow that standard.

What is the size range of Self-Tapping Screws?

The table on this page lists 10 sizes for Self-Tapping Screws, ranging from ST2.2 to ST9.5. Sizes outside the table can be quoted on request.

In which materials are Self-Tapping Screws supplied?

Self-Tapping Screws 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 Self-Tapping Screws.

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](#)[Countersunk Socket ScrewsISO 10642 / DIN 7991](#)[Next →](#)[Socket Set ScrewsISO 4026 / ISO 4029 / DIN 913-916](#)