

Self-Drilling Screws — DIN 7504

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Screws · Self-Drilling Screws

Self-Drilling Screws to DIN 7504. Full dimensional table, materials, finishes and quotation. 6 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-Drilling Screws

Tell us the size, material, finish and quantity you need for Self-Drilling Screws (DIN 7504) 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 7504)

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)	Head diameter dk (mm)	Head height k (mm)	Drill point capacity (mm)	Common length range (mm)	Reference standard	Notes
ST3.5	3.5	1.27	6.9	2.1	0.7~2.0	13~25	DIN 7504 K/N	Tek self-drilling screw, drill flute point
ST3.9	3.9	1.29	7.5	2.3	0.7~2.5	13~32	DIN 7504 K/N	Tek self-drilling screw, drill flute point
ST4.2	4.2	1.41	8.2	2.5	0.7~3.0	13~38	DIN 7504 K/N	Tek self-drilling screw, drill flute point
ST4.8	4.8	1.59	9.5	2.9	0.7~4.0	16~50	DIN 7504 K/N	Tek self-drilling screw, drill flute point
ST5.5	5.5	1.81	10.9	3.3	1.0~5.0	19~60	DIN 7504 K/N	Tek self-drilling screw, drill flute point
ST6.3	6.3	1.81	12.5	3.8	1.0~6.0	19~80	DIN 7504 K/N	Tek self-drilling screw, drill flute point

Manufactured to DIN 7504, Self-Drilling Screws are screws supplied by engineeringhardware.com. The dimensional data, materials and selection notes are summarized here.

What Are Self-Drilling Screws?

Self-Drilling Screws are screws defined by DIN 7504. 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-Drilling Screws →](#)

Related Fasteners

- [Slotted Countersunk Head Screw — GB/T 68 / ISO 2009 \(Series 039\) — GB/T 68 / ISO 2009](#)
- [Torx Recessed Countersunk Screw — GB/T 2673 / ISO 14587 \(Series 024\) — GB/T 2673 / ISO 14587](#)
- [Hex Socket Flat Point Set Screw — GB/T 77 / ISO 4026 \(Series 021\) — GB/T 77 / ISO 4026](#)
- [Hex Socket Flat Point Set Screw — GB/T 77 / ISO 4026 \(Series 019\) — GB/T 77 / ISO 4026](#)
- [Socket Head Shoulder Screw — GB/T 5281 / ISO 7379 \(Series 017\) — GB/T 5281 / ISO 7379](#)

Pricing

Self-Drilling Screws are stocked and supplied to order. Pricing starts from approximately US\$0.040 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 Self-Drilling Screws, and what drive do they take?

Self-Drilling Screws are manufactured to DIN 7504 and use the standard drive for this product family. The dimensional values on this page follow that standard.

What sizes are available for Self-Drilling Screws?

The table on this page lists 6 sizes for Self-Drilling Screws, ranging from ST3.5 to ST6.3. Sizes outside the table can be quoted on request.

In which materials are Self-Drilling Screws supplied?

Self-Drilling 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-Drilling 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 Phillips Countersunk Machine Screw — GB/T 819.1 / ISO 7046 \(Series 031\)GB/T 819.1 / ISO 7046](#)[Next → Phillips Pan Head Self-Tapping Screw — GB/T 845 / ISO 7049 \(Series 032\)GB/T 845 / ISO 7049](#)