

Countersunk Socket Screws — ISO 10642 / DIN 7991

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Screws · Countersunk Socket Screws

Countersunk Socket Screws to ISO 10642 / DIN 7991. Full dimensional table, materials, finishes and quotation. 11 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 Countersunk Socket Screws

Tell us the size, material, finish and quantity you need for Countersunk Socket Screws (ISO 10642 / DIN 7991) 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 (ISO 10642 / DIN 7991)

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

Size	Pitch (mm)	Head diameter dk (mm)	Head height k (mm)	Hex key s (mm)	Countersink angle (deg)	Reference standard
M3	0.5	6.72	1.86	2.0	90	ISO 10642 / DIN 7991
M4	0.7	8.96	2.48	2.5	90	ISO 10642 / DIN 7991
M5	0.8	11.2	3.1	3.0	90	ISO 10642 / DIN 7991
M6	1.0	13.44	3.72	4.0	90	ISO 10642 / DIN 7991
M8	1.25	17.92	4.96	5.0	90	ISO 10642 / DIN 7991
M10	1.5	22.4	6.2	6.0	90	ISO 10642 / DIN 7991
M12	1.75	26.88	7.44	8.0	90	ISO 10642 / DIN 7991
M14	2.0	30.0	8.4	10.0	90	ISO 10642 / DIN 7991
M16	2.0	33.6	9.3	10.0	90	ISO 10642 / DIN 7991
M20	2.5	40.32	11.2	12.0	90	ISO 10642 / DIN 7991
M24	3.0	47.04	13.0	14.0	90	ISO 10642 / DIN 7991

Countersunk Socket Screws (ISO 10642 / DIN 7991) are a type of screws used across industrial assembly. Below is the complete size table together with material, standard and application guidance.

What Are Countersunk Socket Screws?

Countersunk Socket Screws are screws defined by ISO 10642 / DIN 7991. 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 Countersunk Socket Screws →](#)

Related Fasteners

- [Slotted Long Dog Point Set Screw — GB/T 75 / ISO 7435 \(Series 041\) — GB/T 75 / ISO 7435](#)
- [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 \(Series 035\) — GB/T 818 / ISO 7045](#)
- [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 \(Series 030\) — GB/T 819.1 / ISO 7046](#)

Pricing

Countersunk Socket Screws 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

Which standard governs Countersunk Socket Screws, and how are they driven?

Countersunk Socket Screws are manufactured to ISO 10642 / DIN 7991 and use a hex socket (Allen key). The dimensional values on this page follow that standard.

What sizes are available for Countersunk Socket Screws?

The table on this page lists 11 sizes for Countersunk Socket Screws, ranging from M3 to M24. Sizes outside the table can be quoted on request.

In which materials are Countersunk Socket Screws supplied?

Countersunk Socket 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 Countersunk Socket Screws.

Which Allen key sizes fit Countersunk Socket Screws?

The hex-socket size for each row of Countersunk Socket Screws is shown in the spec table — use the matching Allen / hex key (an ISO 2936 hex key set covers the full range).

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](#)[Pan Head Screws](#)[ISO 1207 / ISO 7045 / DIN 7985](#)[Next →](#)[Self-Tapping Screws](#)[DIN 7976 / ISO 1481](#)