

Socket Head Cap Screws — ISO 4762 / DIN 912

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Screws · Socket Head Cap Screws

Socket Head Cap Screws to ISO 4762 / DIN 912. Full dimensional table, materials, finishes and quotation. 25 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 Socket Head Cap Screws

Tell us the size, material, finish and quantity you need for Socket Head Cap Screws (ISO 4762 / DIN 912) 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 4762 / DIN 912)

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)	Socket depth t min (mm)	Reference standard
M1	0.25	1.9	1.0	0.7	0.5	ISO 4762 / DIN 912
M1.2	0.25	2.3	1.2	0.9	0.6	ISO 4762 / DIN 912
M1.4	0.3	2.6	1.4	1.0	0.7	ISO 4762 / DIN 912
M1.6	0.35	3.0	1.6	1.5	0.7	ISO 4762 / DIN 912
M2	0.4	3.8	2.0	1.5	1.0	ISO 4762 / DIN 912
M2.5	0.45	4.5	2.5	2.0	1.1	ISO 4762 / DIN 912
M3	0.5	5.5	3.0	2.5	1.3	ISO 4762 / DIN 912
M4	0.7	7.0	4.0	3.0	2.0	ISO 4762 / DIN 912
M5	0.8	8.5	5.0	4.0	2.5	ISO 4762 / DIN 912
M6	1.0	10.0	6.0	5.0	3.0	ISO 4762 / DIN 912
M8	1.25	13.0	8.0	6.0	4.0	ISO 4762 / DIN 912
M10	1.5	16.0	10.0	8.0	5.0	ISO 4762 / DIN 912
M12	1.75	18.0	12.0	10.0	6.0	ISO 4762 / DIN 912
M14	2.0	21.0	14.0	12.0	7.0	ISO 4762 / DIN 912
M16	2.0	24.0	16.0	14.0	8.0	ISO 4762 / DIN 912
M18	2.5	27.0	18.0	14.0	9.0	ISO 4762 / DIN 912
M20	2.5	30.0	20.0	17.0	10.0	ISO 4762 / DIN 912
M22	2.5	33.0	22.0	17.0	11.0	ISO 4762 / DIN 912
M24	3.0	36.0	24.0	19.0	12.0	ISO 4762 / DIN 912
M27	3.0	40.0	27.0	19.0	13.5	ISO 4762 / DIN 912
M30	3.5	45.0	30.0	22.0	15.5	ISO 4762 / DIN 912
M33	3.5	50.0	33.0	24.0	17.5	ISO 4762 / DIN 912
M36	4.0	54.0	36.0	27.0	19.0	ISO 4762 / DIN 912
M42	4.5	63.0	42.0	32.0	21.0	ISO 4762 / DIN 912
M48	5.0	72.0	48.0	36.0	25.0	ISO 4762 / DIN 912

Socket Head Cap Screws (ISO 4762 / DIN 912) are a type of screws used across industrial assembly. Below is the complete size table together with material, standard and application guidance.

What Are Socket Head Cap Screws?

Socket Head Cap Screws are screws defined by ISO 4762 / DIN 912. 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 Socket Head Cap Screws →](#)

Related Fasteners

- [Slotted Pan Head Screw — GB/T 67 / ISO 1580 \(Series 040\) — GB/T 67 / ISO 1580](#)
- [Slotted Countersunk Head Screw — GB/T 68 / ISO 2009 \(Series 039\) — GB/T 68 / ISO 2009](#)
- [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 Pan Head Machine Screw — GB/T 818 / ISO 7045 \(Series 034\) — GB/T 818 / ISO 7045](#)

Pricing

Socket Head Cap 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 Socket Head Cap Screws, and how are they driven?

Socket Head Cap Screws are manufactured to ISO 4762 / DIN 912 and use a hex socket (Allen key). The dimensional values on this page follow that standard.

What sizes are available for Socket Head Cap Screws?

The table on this page lists 25 sizes for Socket Head Cap Screws, ranging from M1 to M48. Sizes outside the table can be quoted on request.

In which materials are Socket Head Cap Screws supplied?

Socket Head Cap 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 Socket Head Cap Screws.

Which Allen key sizes fit Socket Head Cap Screws?

The hex-socket size for each row of Socket Head Cap 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](#)[Lifting Eye Bolt — GB/T 825 / DIN 580 \(Series 037\)](#)[GB/T 825 / DIN 580](#)[Next →](#)[Pan Head Screws](#)[ISO 1207 / ISO 7045 / DIN 7985](#)