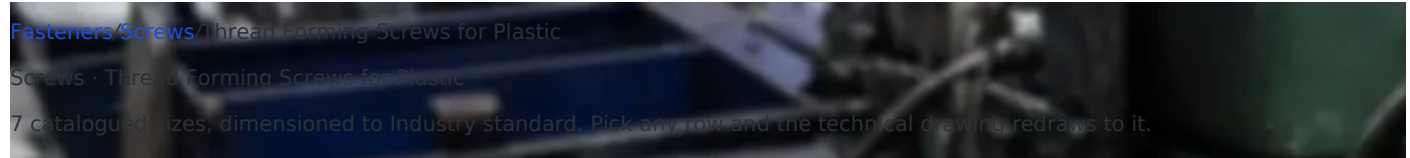


Thread Forming Screws for Plastic

Engineering Hardware & Fasteners · engineeringhardware.com/fastener/thread-forming-screws-plastic



Thread Forming Screws for Plastic to Industry standard are catalogued in pitch 0.9-2.5 mm, with head 4-12 mm, head h 1.6-4.6 mm. 7 sizes are held in the table below, and the technical drawing redraws to whichever row you select.

Standard

Industry standard

Pitch

0.9-2.5 mm

Head

4-12 mm

Head H

1.6-4.6 mm

Catalogued sizes

7

Dimensions are nominal values from the governing standard. Confirm the tolerance class for your application before ordering.



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 Thread Forming Screws for Plastic

The form below follows the current technical drawing configuration. Change the drawing values above and the request details update automatically.

Dimensions & Specifications (Industry standard)

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

Thread size	Pitch (mm)	Head diameter dk (mm)	Head height k (mm)	Boss hole, amorphous (mm)	Boss hole, filled (mm)	Common length range (mm)	Reference standard
2.0	0.9	4.0	1.6	1.65	1.75	5~16	Industry standard
2.5	1.1	5.0	2.0	2.05	2.15	5~20	Industry standard
3.0	1.3	6.0	2.4	2.45	2.60	6~25	Industry standard
3.5	1.5	7.0	2.8	2.85	3.00	8~30	Industry standard
4.0	1.7	8.0	3.1	3.25	3.45	8~35	Industry standard
5.0	2.1	10.0	3.8	4.10	4.30	10~40	Industry standard
6.0	2.5	12.0	4.6	4.90	5.15	12~50	Industry standard

Thread Forming Screws for Plastic (Industry standard) are a type of screws used across industrial assembly. Below is the complete size table together with material, standard and application guidance.

What Are Thread Forming Screws for Plastic?

Thread Forming Screws for Plastic are screws defined by Industry standard. They are selected by screw 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), hardened or case-hardened steel where wear matters, and stainless steel A2 (304) or A4 (316) for corrosion resistance. Specify the material, hardness where relevant, and the surface finish appropriate to your application 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 Thread Forming Screws for Plastic →](#)

Pricing

Thread Forming Screws for Plastic are supplied to order. Pricing starts from approximately US\$0.030 per piece for standard sizes in case-hardened steel, zinc plated; final pricing depends on size, material, finish and order quantity (MOQ applies). Submit your exact configuration with the quote form above.

Inside the plant

Manufactured in our own plant

This part is cold-formed, threaded, heat-treated and finished in-house. The stages below are where its class and finish are actually decided.



1.

01

Cold heading

Wire rod is drawn to size and cold-formed into blanks. Forming rather than cutting keeps the grain flow continuous around the head, which is where a bolt is most likely to fail.

Head dimensions and under-head radius checked at set-up and per shift.



2.

02

Thread rolling

Threads are rolled between hardened dies rather than cut. Rolled threads are stronger in fatigue than cut threads and hold pitch and flank angle far more consistently across a batch.

Go / no-go ring gauges to ISO 965 tolerance class 6g.

3.



03

Heat treatment

Quench-and-temper brings carbon and alloy steel to the property class ordered — 8.8, 10.9 or 12.9 — with the furnace charge tracked so a finished lot can be traced back to it.

Core hardness and tensile tested per lot to ISO 898-1.

4.



04

Surface treatment

Zinc, zinc-nickel, hot-dip galvanizing, black oxide, phosphate and Dacromet, selected against the service environment rather than against the price list.

Coating thickness and neutral salt spray hours to ISO 9227.

Frequently Asked Questions

Which standard governs Thread Forming Screws for Plastic?

Thread Forming Screws for Plastic are manufactured to Industry standard. The dimensional values on this page follow that standard.

What sizes are available for Thread Forming Screws for Plastic?

The table on this page lists 7 sizes for Thread Forming Screws for Plastic, ranging from 2.0 to 6.0. Sizes outside the table can be quoted on request.

In which materials are Thread Forming Screws for Plastic supplied?

Thread Forming Screws for Plastic 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 Thread Forming Screws for Plastic.

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 Engineering Hardware will respond within one business day.

More Screws

[← Previous](#)[Sealing Screws with Bonded WasherDIN 933](#)[Next →](#)[Thread Cutting Screws \(Type F\)DIN 7516](#)