

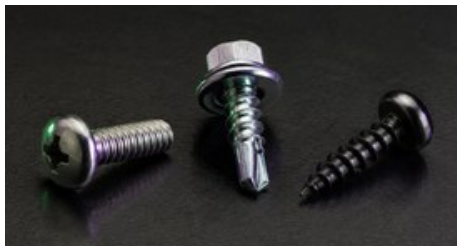
Fastener reference guide

Identify the family. Confirm the specification. Send a clear requirement.



Bolts

Commonly paired with a nut to clamp a joint.



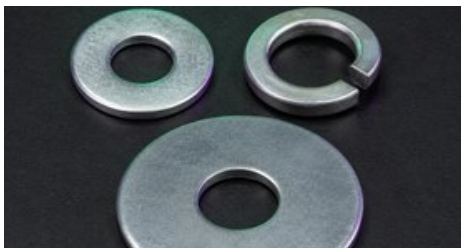
Screws

Match the head, drive, thread and mating material.



Nuts

Match diameter, thread and required strength.



Washers

Spread load, protect surfaces or serve a specified function.



Rivets & inserts

Join sheet or provide a thread in a parent material.



Pins & retaining rings

Locate, align or retain assembly components.

Head & drive

Head style, driver recess, bearing surface and available tool clearance.

Diameter & pitch

Inch or metric, nominal size, thread pitch and class or tolerance.

Length & engagement

Length convention, thread length, grip and available mating-thread depth.

Measure length correctly. For most non-countersunk heads, length is measured from the bearing surface under the head to the end. For standard flat countersunk heads, it generally includes the head. Confirm the convention in the product standard.

Images identify product families only; they are not dimensional or exact-SKU references.

Standards reference: [ASME B18](#) [ISO fasteners](#)



Common thread sizes

Selected identification references. Thread pitch and diameter must both match.

Unified inch threads

Size	Dia. (in)	UNC TPI	UNF TPI
#4	.1120	40	48
#6	.1380	32	40
#8	.1640	32	36
#10	.1900	24	32
#12	.2160	24	28
1/4	.2500	20	28
5/16	.3125	18	24
3/8	.3750	16	24
7/16	.4375	14	20
1/2	.5000	13	20
5/8	.6250	11	18
3/4	.7500	10	16

ISO metric coarse threads

Size	Dia. (mm)	Pitch (mm)
M3	3	0.5
M4	4	0.7
M5	5	0.8
M6	6	1.0
M8	8	1.25
M10	10	1.5
M12	12	1.75
M14	14	2.0
M16	16	2.0
M18	18	2.5
M20	20	2.5
M24	24	3.0

Read the complete callout

1/4-20 x 1 in
1/4 in nominal diameter; 20 threads per inch; 1 in length.

M6 x 1.0 x 20 mm
6 mm nominal diameter; 1.0 mm pitch; 20 mm length.

Inch pitch (inches) = 1 / TPI. Exactly 1 inch = 25.4 mm. Metric fine-pitch options also exist; always specify the required pitch. These are nominal identification values, not inspection limits or tap-drill recommendations.

Verify the current drawing and applicable thread standard before purchase or inspection.

Standards reference: [ASME B1.1](#) [ISO 261 / 262](#) [NIST SI guide](#)

Specify for the application

Material, finish and documentation are part of the requirement - not afterthoughts.

Material and strength

Material family	What to confirm
Carbon / alloy steel	Specify the governing grade or property class. Strength depends on material and processing.
Stainless steel	Specify alloy/group and property class where applicable. Corrosion exposure, galling and strength still matter.
Brass / other alloys	Use the specified alloy and mechanical requirements. Do not substitute by appearance alone.
Polymers	Confirm resin, temperature, chemical exposure, creep and electrical requirements.

Finish and assembly conditions

Zinc and other coatings

Specify process, thickness, supplemental treatment and corrosion requirement.

Black oxide

Confirm oil or supplemental protection; it is not a substitute for a corrosion-rated coating.

Stainless passivation

Specify the required treatment and governing standard; passivation is not a plated finish.

Lubricants & locking features

These affect installation and friction. Use an approved torque/preload method.

Your RFQ checklist

01 Part number, drawing and revision
02 Size, material, grade and finish
03 Quantity and annual usage

04 Required date and ship-to location
05 Traceability, certificates, FAI or PPAP
06 Packaging and special requirements

Send to sales@accutite.com. Accutite can help clarify the requirement before quoting.

Selection aid only. Current standards and approved drawings control; engineering must approve substitutions.

Standards reference: SAE J429 ISO 898 / 3506 ASTM fasteners