

Fastener Specifications

jandesupply.com/reference-specs.php

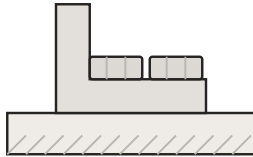


J & E Supply
& FASTENER CO.

The specs that show up on prints and POs — SAE and ASTM — in plain English. What each one is, how strong it is, and when you'd reach for it.

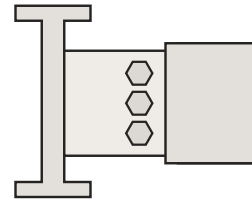
A spec callout like "**A325**" or "**B7**" is shorthand for a whole set of requirements — material, strength, and how it's made. Here are the ones we stock and sell most, grouped by what they're for. Each page keeps it plain and points you to the matching nuts, washers, and charts.

Which spec goes where



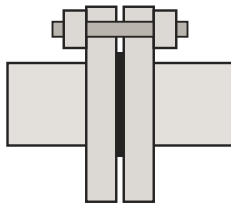
Machinery & trucks

SAE J429 — Grade 2, 5, 8



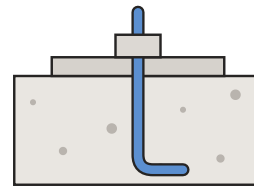
Steel framing

A307 · A325 · A490



Flanged piping

B7 studs + 2H nuts; L7 for cold



Foundations

F1554 anchor rods

The mark on each card below is what you'll find stamped on the part. F1554 rods are color-coded on the end instead: **blue** Gr 36, **yellow** Gr 55, **red** Gr 105.

SAE — general & automotive

The grade system you meet on everyday hardware and in machinery.

SAE J429

Grade 2, 5 & 8 bolts

The familiar grade system — head-mark lines and all. Covers general-purpose through high-strength.



ASTM — structural & general bolts

Steel-construction and iron-work bolting, plus general structural and anchor bolts.



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ASTM A307

General & anchor bolts

Low-strength carbon-steel bolts for general structural use and anchoring — the everyday workhorse.



ASTM A325

Structural heavy hex bolts

Heat-treated structural bolts for steel connections. Now published as F3125 Grade A325.



ASTM A490

High-strength structural bolts

Alloy-steel structural bolts where A325 isn't enough. Now F3125 Grade A490 — and never galvanized.



ASTM — studs & nuts (heat & pressure)

Flange and pressure-piping bolting — the stud-and-nut combos you'll see on flanged joints, hot and cold service.

ASTM A193 B7

Alloy stud bolts

The standard high-strength stud for flanges and pressure piping — chrome-moly alloy, heat treated.



ASTM A194 2H

Heavy hex nuts

The heavy hex nut that pairs with B7 studs and A325 bolts — marked "2H."



ASTM A320 L7

Low-temp stud bolts

B7's cold-service cousin — same strength, impact-tested for low temperatures. Pairs with Grade 4/7 nuts.



ASTM — anchor rods

Anchoring columns, equipment, and structures to concrete foundations.

ASTM F1554

Anchor rods (Gr 36 / 55 / 105)

The anchor-bolt standard for setting structures into concrete — three strength grades, color-coded.



Reference values drawn from the governing standards. For critical applications, confirm against the standard and the manufacturer's published data.
Technical information disclaimer →



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