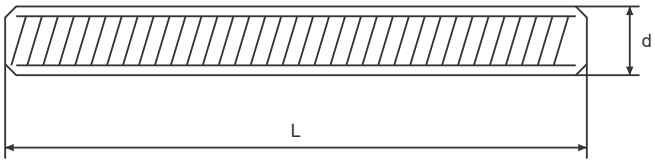
ASTM A354 - High-strength bolts and studs

Bolts, studs and other externally threaded fasteners, through a route separate from F3125 structural bolts.

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Technical drawing and dimensions to specify



Family selection guide. The drawing only identifies dimensions to specify; it does not identify a certified item, an available size range or a complete assembly. Final geometry and dimensions must match the approved drawing.

Dimensional data for the request

Symbol	Required information	Units
d	Nominal thread and pitch	mm or inches, specify
L	Overall length; specify ends and measurement convention	mm or inches, specify

Attach the dimensional standard or drawing, tolerances, quantity and configuration. Mechanical properties and grades appear below; they are not geometric dimensions.

Selection and documentation

Specify the contractual standard and edition, grade, material, finish, matching components and tests. Confirm markings, batch, certificates and applicable instructions before ordering. This Dueemme guide does not replace the standard or connection design.

Standard reference: https://store.astm.org/standards/a354

Bolts, rods and studs: BC and BD grades

A354 covers quenched and tempered alloy-steel threaded fasteners with specified geometry. It supports industrial requirements and configurations needing a specification other than F3125 structural bolts.

Reference mechanical properties · inch series

Grade	Diameter	Tensile · ksi	Yield min. · ksi	HRC
BC	¼-2½″	≥125	109	26-36
BC	2¾-4″	≥115	99	22-33
BD	¼-4″	150-173	130	33-38

Similar strength does not establish equivalence with A325 or A490. Specify geometry, supplementary testing, coating and mating components.

Specification-led dimensions and configuration

Specify grade, diameter, length, thread and configuration for a supply assessment. Dedicated production is subject to minimum quantity and technical feasibility.