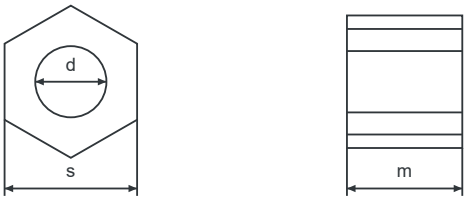
ASTM A563/A563M - Structural nuts

Nuts for structural and mechanical enquiries, including Grade DH where specified by the project.

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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
s	Width across flats	mm or inches, specify
m	Nut height	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/a0563_a0563m-26.html

Nuts for structural bolting

A563 covers carbon and alloy steel nuts. Grade and Hex / Heavy Hex geometry are separate characteristics. Select nuts alongside the bolt, considering diameter, finish and proof load.

How to identify the nut

Field	What to specify
Grade	C / DH / DH3 or another specified grade
Type / material	Grade-specific steel; DH3 for applicable weathering applications
Filetto / Thread	UNC / 8UN / specified metric series
Geometry	Hex / Heavy Hex
Finish	Plain or coated, with verified thread fit

Any use of A194 2H instead of A563 DH must be checked against the applicable specification and project requirements. Do not extend this option to all grades or combinations.

Grade DH

Identify grade, geometry, thread and finish. The mating nut is confirmed within the documented configuration, not merely by matching the bolt diameter.