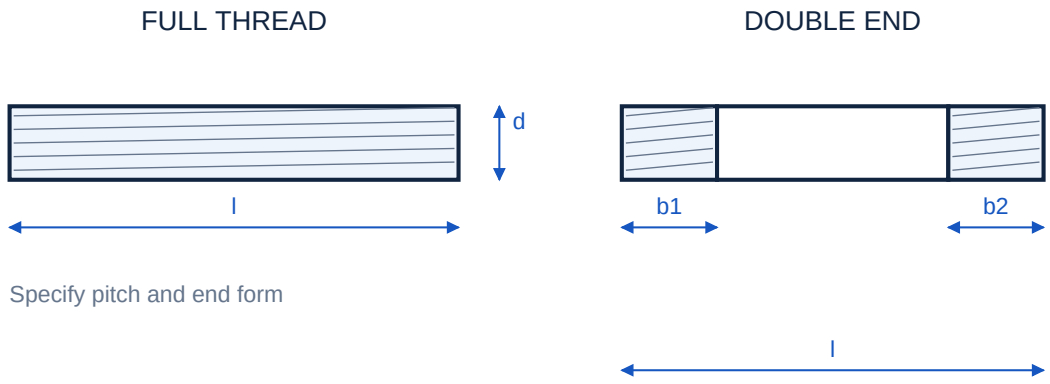
Stud Bolts | Dimensions & RFQ

Standard-reference guide - revision 14 November 2026

Lohar Forging manufactures standard and drawing-based stud bolts for industrial assemblies. A clear order identifies configuration, diameter, pitch, overall length, end-thread lengths, material, finish and matching nuts. Flange enquiries should include the flange class or approved bolting schedule.

STUD BOLTS | DIMENSION KEY

Identification schematic - not to scale



Specify pitch and end form

P1 and P2 may differ to drawing

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For a fully threaded stud, specify d, pitch and overall length, including the required end form. For a double-end stud, add b1, b2 and the plain-shank length. A tap-end design may use different engagement and tolerance at each end. Use the approved equipment drawing to identify which end enters the tapped component.

Custom manufacturing follows the customer-approved drawing. Email sales@loharforging.com or send the layout on WhatsApp to +91 98330 72266.

Metric coarse threads for studs and threaded rods

ISO 261 metric coarse thread | Dimensions in mm; nominal reference values

Use diameter and pitch together when specifying a stud. This selected thread chart is a reference, not a manufacturing-capacity list.

Thread d	Pitch P	Diameter d (mm)
M6	1	6
M8	1.25	8
M10	1.5	10
M12	1.75	12
M16	2	16
M20	2.5	20
M24	3	24
M30	3.5	30
M36	4	36

Overall length and end-thread lengths are separate dimensions. DIN 976-1 threaded studs, equipment tap-end studs and flange stud bolts have different designation and end-form requirements. Do not derive a flange stud length from pipe diameter alone. Dimensions are nominal reference values, not a stock list or a guarantee that every material/size combination is available. Specify the named standard and edition, material, finish and quantity in your enquiry. Manufacturing and inspection follow the agreed order or approved drawing.

Reference: Open the published ISO 261 metric coarse thread dimensional reference

Stud and nut material specifications: common enquiry pairings

ASTM A193 / A194 / A320 | Dimensions in mm; nominal reference values

State the stud and nut specifications separately. A matching thread alone does not establish a mechanically suitable stud-and-nut assembly.

Stud specification	Stud grade	Common nut specification	Common nut grade
ASTM A193	B7	ASTM A194	2H
ASTM A193	B7M	ASTM A194	2HM
ASTM A193	B8	ASTM A194	8
ASTM A193	B8M	ASTM A194	8M
ASTM A320	L7	ASTM A194	7

These are specification examples for technical discussion, not a declaration that every grade/diameter is stocked. The project specification controls nut class, supplementary requirements, heat treatment, temperature, service and acceptance. Confirm suitability and availability on quotation. Dimensions are nominal reference values, not a stock list or a guarantee that every material/size combination is available. Specify the named standard and edition, material, finish and quantity in your enquiry. Manufacturing and inspection follow the agreed order or approved drawing.

Reference: Open the published ASTM A193 / A194 / A320 dimensional reference

Send your drawing or standard requirement

Custom dimensions come from your layout. The following fields help us review the requirement and prepare a quotation.

1. Full thread, double-end or tap-end configuration

2. Diameter, pitch and length measurement convention

3. Thread lengths b1 and b2 where applicable

4. Stud grade, nut specification and nuts per stud

5. Finish, quantity, flange/drawing reference and documents

Contact

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Guide: https://loharforging.com/stud-bolt-manufacturer-india.php

Order documents

State the required material, dimensional, coating and test documentation before quotation. Product ratings, conformity and certificate scope must refer to the exact order. This reference guide is not a test certificate or manufacturing approval.