

ASTM A193 GRADE THREADED STUDS

HIGH TENSILE ALLOY & STAINLESS STEEL STUDS

For Critical & High Pressure Applications

RAJ
 — PRODUCT —


KEY FEATURES


 High Tensile
Strength

 Excellent
Corrosion Resistance

 Precision
Threads & Dimensions

 Reliable Performance
in Harsh Environments

 Custom Lengths
& Sizes Available

 100% Traceability
with Material Test Cert.

DIMENSIONS & THREADING – AS PER ASTM A193 / ASME B18.31.2

Nominal Diameter (d)	Thread Pitch (P) Coarse (mm)	Thread Stress Area (As) (mm²)	Across Flats (Nut)	Standard Length Range (mm)
M6	1.00	20.1	10	50 – 6000
M8	1.25	36.6	13	50 – 6000
M10	1.50	58.0	17	50 – 6000
M12	1.75	84.3	19	50 – 6000
M16	2.00	157.0	24	50 – 6000
M20	2.50	245.0	30	50 – 6000
M24	3.00	353.0	36	50 – 6000
M30	3.50	561.0	46	50 – 6000
M36	4.00	817.0	55	50 – 6000
M42	4.50	1,120.0	65	50 – 6000
M48	5.00	1,473.0	75	50 – 6000

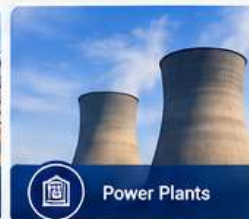
- Larger sizes up to 100mm and lengths up to 3200mm available on request.
- Dimensions conform to ASTM A193 / ASME B18.31.2 and applicable international standards.

MECHANICAL PROPERTIES – ASTM A193 (Minimum Values)

Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Material Type
B7	860 (Min)	550 (Min)	16	Alloy Steel
✓ B7M	860 (Min)	550 (Min)	16	Alloy Steel (Modified)
✓ B8	515 (Min)	205 (Min)	30	Stainless Steel
✓ B8M	515 (Min)	205 (Min)	30	Stainless Steel (Mo)
✓ B8C	515 (Min)	205 (Min)	30	High Corrosion Resistant
✓ B8T	515 (Min)	205 (Min)	30	Ti Stabilized Stainless Steel

Mechanical properties are as per ASTM A193 latest edition.

APPLICATIONS



STANDARDS

- ✓ ASTM A193 / ASME B18.31.2
- ✓ DIN 975 / ISO 898-1 (Applicable)
- ✓ ASTM A194 Nuts (Compatible Fastening)
- ✓ ASTM / ASME / DIN / IS Drawings Accepted
- ✓ Customized Specifications Available



MATERIAL GRADES WE SUPPLY

- ✓ AISI 304 / 304L
- ✓ AISI 316 / 316L
- ✓ Duplex 2205
- ✓ Super Duplex 2507
- ✓ Hastelloy C276 / C22
- ✓ Inconel 600 / 625
- ✓ Monel 400
- ✓ Titanium
- ✓ SS 310 / 310S
- ✓ SS 904L
- ✓ Alloy Steel B7 / B7M
- ✓ Other Exotic Grades

WHY AANURAJ FASTENERS?

- ✓ Specialists in High Performance Threaded Fasteners
- ✓ In-house Hot Forging, CNC Machining, Thread Rolling
- ✓ Solution Annealing & NABL Certified Testing
- ✓ Strict Quality Control & 100% Traceability
- ✓ On-time Delivery & Competitive Pricing
- ✓ Trusted by Leading EPCs, OEMs & Export Customers



Let's Build a Stronger, Safer & Sustainable Future – Together!

Contact Us for Quote / Enquiry

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