



# BOLTECH INTERNATIONAL

— Screw it let's do it.

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# ABOUT BOLTECHIN

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Boltech International is a premier manufacturer and supplier of nonstandard anchor bolts, construction fasteners, and related fastening solutions. Based in the UAE, we pride ourselves on delivering high-quality products that meet stringent industry standards and customer requirements worldwide



## Our Service

We manufacture and supply customized bolts and nuts designed to meet specific project needs, ensuring reliable performance and durability across various industries.



## Our Aim

To provide components of impeccable standards by controlling all aspects of procurement, metallurgy, production, quality, and supply.



## Our Support

Our dedicated customer service team provides comprehensive assistance throughout the ordering, packaging, and shipping process, ensuring timely delivery and complete satisfaction.



## Product line

Our products are made to comply with the following standards and tailored to individual customer requirements:  
ASTM, BS, DIN, AFNOR, UNI, ISO, EN, ASME



we pride ourselves on delivering high-quality products that meet stringent industry standards and customer



## 2 Sizes

- 1/4" UNC - 6" 8UN
- M06 - M100 ISO Metric Coarse.



## 1 Materials

- ASTM A193 – For high temperature applications.
- ASTM A320 – For low temperature applications.
- ASTM A453 – For high temperature applications.
- ASTM A540 – For special applications.
- ASTM A564 – For limited temperature applications and high corrosion resistance.
- ASTM A194 – For nuts.
- ASTM F3125 – For structural applications (A325, A490).

## 3 Pitch

- UNC, 8UN, UNF, BSW, ISO, GAS, API, BSPT, ACME, and other client-specified requirements.

## 4 Rolling Dies

- Boltech International holds a vast stock of thread rolling dies, allowing items to be produced to the tightest of tolerances, rapidly to meet our clients' demands



## Cutting & chamfering

To meet client demands, Boltech International cold stamps, chamfers, and thread rolls smaller diameter items for both stock inventory and individual client specifications. Larger diameter bolts are thread rolled in bar form, then cut to size using fully computerized band saw machines, followed by stamping and chamfering to ensure precision and quality in every component.



## Forging & Cold Drawing

Headed and specially formed items are manufactured using Boltech International's in-house range of advanced hot forging machinery.



## Raw Material Verification

All incoming raw materials and semi-finished items at Boltech International undergo thorough inspection to ensure dimensional and physical accuracy. Beyond mechanical checks, we verify the integrity of the steel by analyzing its chemical properties in our state-of-the-art in-house laboratory. Additionally, mill certifications are rigorously reviewed to confirm conformity with relevant industry standards. Our stringent inspection process provides our clients with utmost confidence in the quality and integrity of the materials supplied by Boltech International.

## Engineering

Threading of individual components is a highly skilled and complex operation that requires constant, strict controls throughout the entire process. The main methods of thread

forming are:

- Removal of Material
- Thread Cutting using Chaser Dies
- Screw Cutting on Centre Lathes
- Grinding
- Milling
- By Plastic Deformation Threads Rolling

## Thread Rolling

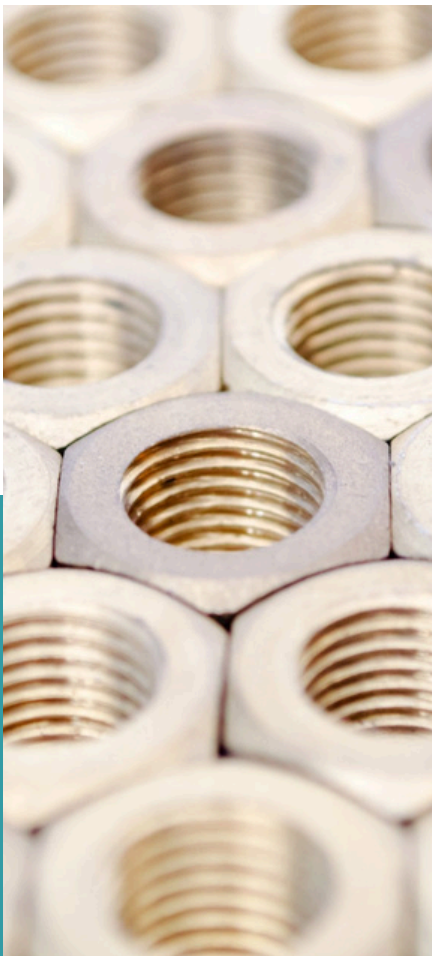
By this method, the component to be rolled is machined to the Pitch Diameter within very close tolerances. The component is then cold-rolled, forming the required thread configuration through plastic deformation.

Material with an Elongation in excess of 8% may be threaded by this method. Thread Rolling has the following advantages over the Removal of Material.

- Greater tensile and shear strength with a higher wear resistance.
- Higher accuracy of pitch.
- Bright surface finish.
- Higher resistance to jamming during assembly and thread fatigue.

## In House Inspection

Regular thorough inspection is carried out on all items during the production process to ensure that all necessary standards are rigorously adhered to and the product is strictly in compliance to the standard against which it is manufactured and supplied.



## Inspection Instrumentation and Gauges

All instrumentation and gauges used in our inspection procedures are regularly checked and calibrated by an independent, accredited authority.



## Test Certification

Boltech International operates a state-of-the-art in-house testing facility where comprehensive material verification is conducted. Test results are meticulously recorded in our fully computerized database, enabling rapid and precise issuance of full chemical and physical test certifications. Our valued clients are welcome to request additional testing and may also witness these tests firsthand at our facility.

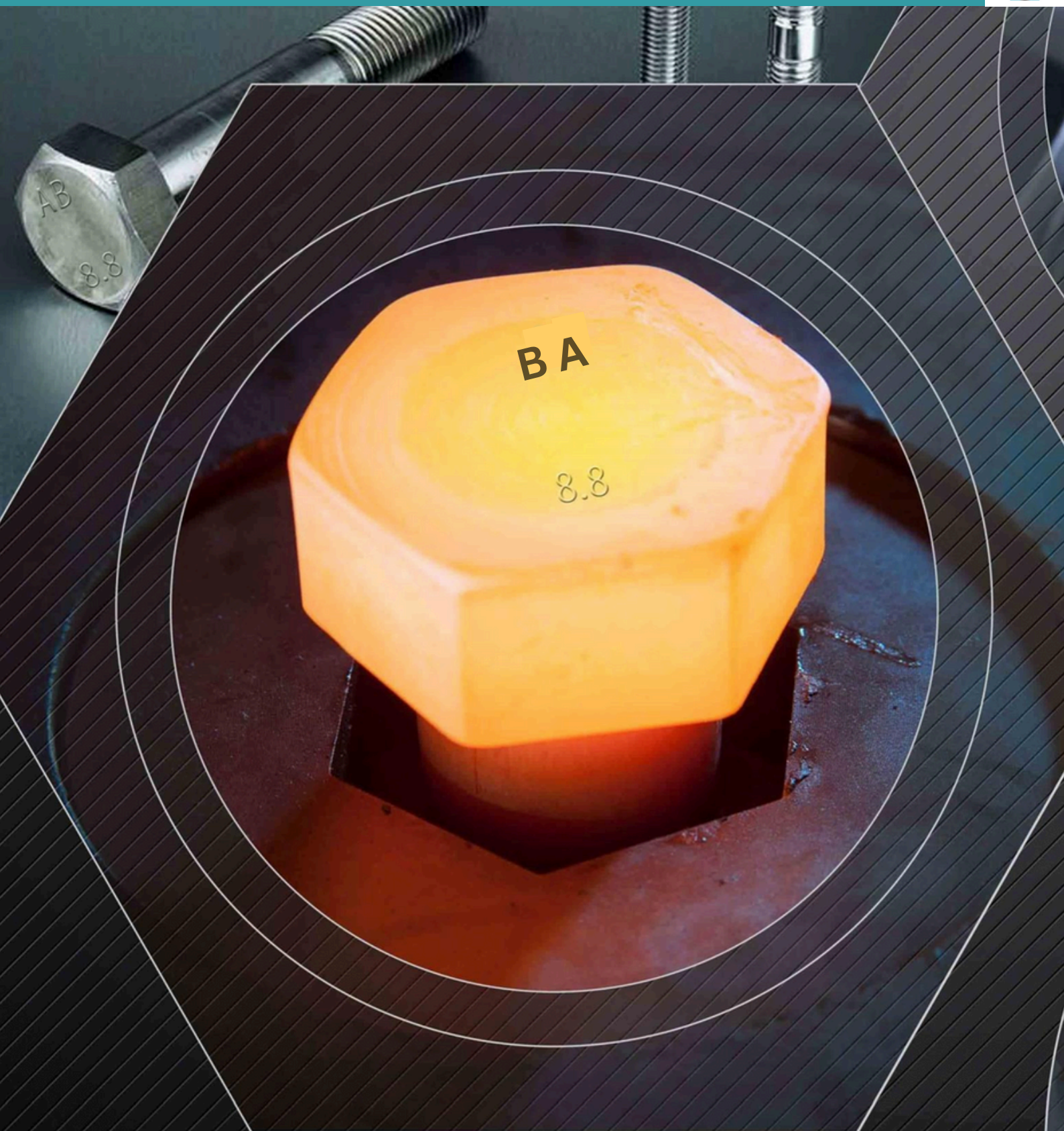




**BOLTECH**  
INTERNATIONAL







Stud Bolts, Anchor Bolts, Hex & Heavy Hex Bolts,  
Threaded Bars, Nuts, Washers, U Bolts  
and Special Fasteners Components



## Our Products

**Threaded Bars:** 1/4" UNC to 6" 8UN, M06© to M100© Diameters.  
DIN 975/976.

**Nuts:** 1/4" UNC to 6" 8UN, M06© to M100© Diameters.  
Heavy Hex Nut ASME B18.2.2 / ASME B18.2.4.6M  
Hex Nut-DIN 934, ISO 4032, BS 3692

**Stud bolts:** ASME B16.5, ASME B16.47, ASME B18.2.1  
Engineering Studs. DIN2510L, ASME B18.31.2, ASME B18.31.1M.  
Anchors Bolts. As per the Customer's specifications

**"U" Bolts.** Light and Heavy Pattern BS 3974.

**"J" Bolts.** As per the Customer's specifications  
Bolts & Screw(Hex, Heavy, Square, T Bolts, Shoulder Bolts)  
BS1768/9, DIN931/933, ASME B18.2.1, ASME B18.2.6M, ISO  
4014/4017  
(METRIC AND IMPERIAL).

Socket Head Cap Screws. DIN912, ANSI B18.3.

**Lock Nuts.** Self Locking Type.

**Jam Nuts.** DIN 439, ISO 4035.

**Washers.** ASTM F436, ASTM F436M, ASTM F959  
BS 3410, BS 4320, DIN 125, DIN 127, DIN 434, ISO 7089, ISO  
7091 etc.

Clamps-As per Customer Specification

Special Forgings as per Customer Specification





## Coatings

- ASTM F1941 & ASTM F1941M
- ELECTRO ZINC: ASTM B633,
- PHOSPHATE : ASTM F1137,
- ZINC NICKEL :ASTM B841,
- HOT DIP GALVANIZING: ASTM A153 CL. C,
- ASTM F2329 ISO 1461,
- MECHANICAL GALVANIZING : ASTM B695
- CERAMIC COATING, TECTYL COATING
- PT.F.E.,CHROME, ENP.
- ZINC FLAKES COATING, ZIN/ALUMINUM
- TIN.,NICKEL
- CLIENT SPECIFIC REQUIREMENTS.



## Threads

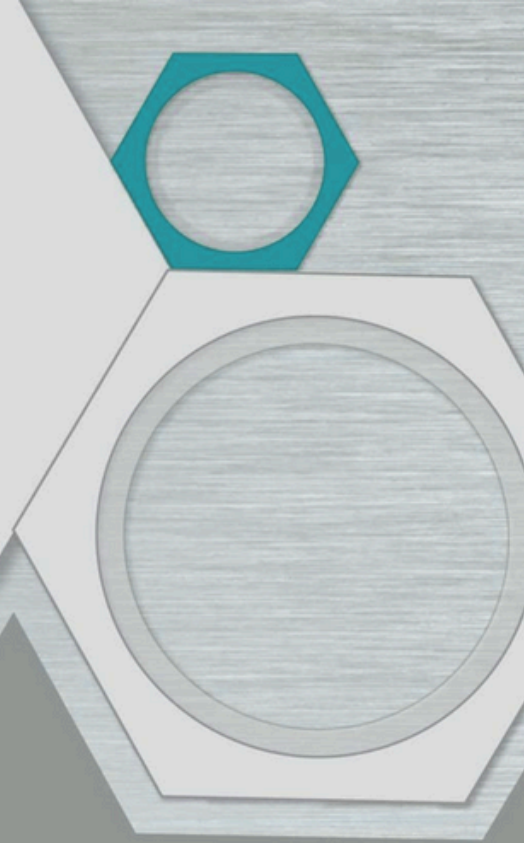
- UNC
- 8UN
- UNF
- WITH WORTH
- METRIC COARSE
- METRIC FINE
- ACME
- TRAPEZOIDAL











## Material Grades

Carbon & Alloy Steels	Stainless Steel	Super (Nickel) Alloys & Duplex Steels	Non Ferrous
Mild Steel EN8, EN16 EN19, EN24, EN26 B5, B6 B7 & B7M Gr.36/55/105, Gr.90 S275, S355, S235 Gr.50A/B/C ST37-2, ST47-3, ST52-3 L7, L43, L7M BS 4882 B16A DUREHETE™ 900/950/1055 JETHETE™ X19 42CrMo, 24CrMo5 14NiCr18, 51CrV4 21CrMoV57 20CrMoVTiB4-10 Gr.8.8 / 10.9/12.9 16MnCr5 15NiCr13	303 / 304 / 304L (18-8 / A2) 316/316L(16-10/A4) A2 / A2L & A4 / A4L 50/70/80 321/310/347 422 410/416/420/431 B8/B8M/B8T B8X/B8MX/B8TX B8/B8M/B8T - Class 2 B8C B6 C3 - 80 17-4 PH FV520B™ Nitronic™ 50/60 904L	Monel™ 400 Monel™ K 500 Inconel™ 600/601/625/718 Incolony™ 800/800HT/825/925 Hastelloy™ B2/C41C22/C276 Ferralium™ 255 ( UNS S32550 ) UNS S32760 /50 Zeron™ 100 254SMO™ UNS S31254 UNS S31803 A453 660 A, B, C & D NIMONIC™ 75/80A/90 Titanium Alloys Carpenter 20™ Tantalum™	Aluminium Bronze Aluminium Silicon Bronze Phosphor Bronze Manganese Bronze Brass Naval Brass Copper Cupro Nickel 70/30 Cupro Nickel 90/10 Hiduron™ 191 Marinel™ Aluminium Plastic Nylon PTFE





## **QMS, EMS & OHSAS**

Boltech International is accredited with ISO 9001:2015, ISO 14001:2015, and OHSAS 18001:2007 certifications. We are one of the few fastener manufacturing companies equipped with a comprehensive state-of-the-art testing facility that covers both mechanical and chemical testing of fasteners. Our commitment to producing components of the highest quality is upheld through rigorous inspections carried out by our dedicated and experienced Quality Control Department, following the procedures outlined in our Quality and Procedures Manual. Only those products that pass all quality checks carry our unique "BI" identification mark. The professionalism and competence of our highly qualified staff ensure that all Boltech components conform to the required specifications.



## Material Finishes

### PTFE (Fluoropolymer Coating) - Whitford Worldwide

**Xylan 1010** General-purpose coating for dry lubrication in high-speed and/or low-temperature environments. Typical applications: include rotary actuators, bearings, carburetors & garden tools.

**Xylan 1014** improves abrasion resistance over Xylan 1010. Typical applications: hinge pins, piston casings, compressors, fasteners, etc.

**Xylan 1052** Extreme pressure capability. Coating contains MoS<sub>2</sub>/PTFE. Typical applications: bearings, valve springs, sealing rings, etc.

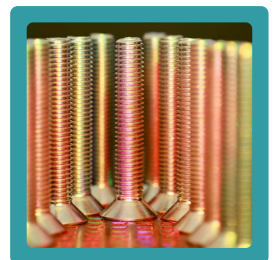
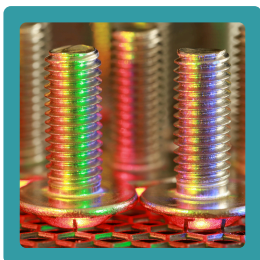
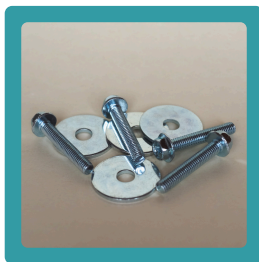
**Xylan 1070** Stud Bolt coating used over phosphate or other pre-treatment to achieve up to 3,000 hrs. salt-spray. Typical application: threaded fasteners

**Xylan 1424** Low-Friction coating with excellent corrosion resistance. Designated for fasteners, piston casings, compressors, etc.

**Xylan 1514** Decorative coating with low friction properties. Good UV and abrasion resistance. Typical applications: cooling fans, light fittings, personal-care products.

**Xylar-1 Aluminium** "cermet" coating. Excellent chemical, corrosion and abrasion resistance at extreme temperatures. Ideal for aerospace and marine industry components.

**Xylar-2 As Xylar-1**, but higher film build possible. Typical applications: aerospace and marine industry components, automotive engine and exhaust parts.







[www.boltechin.com](http://www.boltechin.com)



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# 2025