

# **BOLTEC**

METAL WORKSHOP

"Metal Magic in Every Creation"

**CUSTOM-MADE  
ANCHOR BOLTS & U BOLTS**

---

**MACHINING WORKS**

---

**STEEL FABRICATION**

---

**EXCAVATOR BODY  
PARTS REPAIR**



# ABOUT US

---

Welcome to **BOLTEC**, your one-stop-shop for anchor bolt manufacturing and steel fabrication services. We strive to provide personalized services that meet our clients' unique needs. Whether you are looking for standard or custom-made anchor bolts, or require steel fabrication services, we are here to help.

With years of experience and expertise, we take pride in our ability to manufacture a range of anchor bolts that cater to different applications. Our selection includes 90° bolt, J bolt, U bolt, Z bolt, V bolt, square U bolt, gusset plate bolt, stud bolt, straight anchor bolt, and chemical anchor bolt. We ensure that all our bolts are manufactured using only the best materials and tested to meet industry standards.

In addition to anchor bolt manufacturing, we also specialize in steel fabrication. Our services include lathe works, structural fabrication, and excavator body parts repair. We have a team of skilled professionals who are equipped to handle any project, no matter how complex. We work closely with our clients to ensure that we deliver projects on time and within budget, without compromising on quality.

At **BOLTEC**, we take pride in our commitment to customer satisfaction. Contact us today to learn more about our services or to request a quote. Our team of experts is ready to answer any questions you may have and guide you through the process. We look forward to working with you!



## Anchor Bolt Manufacturing



### L Type Anchor bolts

Bent anchor bolts (also called L-Shaped anchor bolts) are embedded directly into concrete and used to anchor construction supports like structural steel columns, light poles, highway signs, heavy equipment, bridge rails, equipment and many other applications.

The bolts are threaded on the top portion which allows light poles, steel columns or other structures to be fastened to them. The bottom bent portion or hook serves to create resistance so that the bolt does not pull out of the concrete foundation when force is applied.

Material: MS, SS

Threads: Coarse and edges chamfered

Finishes: HDG,GI AND ELECTRO GALVANIZED

Anchor Bolt Set: Anchor bolt + 2NUT+2FW

Grade : a) ISO 898-1 grade 4.6,8.8

b) ASTM F1554 GRADE 36,55&105

APPLICATIONS: Steel columns | Light Poles | Highway signs | Heavy industrial equipment  
Bridges | Floor plates and light rail projects



### J Type Anchor Bolts

J-type anchor bolts, also known as J-shaped anchor bolts, are specialized fasteners embedded in concrete for securing structural steel columns, light poles, highway signs, heavy equipment, and more. The threaded top portion enables easy attachment, while the J-shaped lower section acts as a hook, resisting forces and preventing pullout from the concrete foundation. These reliable and versatile anchor bolts play a crucial role in ensuring the stability and safety of various construction applications.

Material: MS, SS

Threads: Coarse and edges chamfered

Finishes: HDG,GI AND ELECTRO GALVANIZED

Anchor Bolt Set: Anchor bolt + 2NUT+2FW

Grade : a) ISO 898-1 grade 4.6,8.8

b) ASTM F1554 GRADE 36,55&105

APPLICATIONS: Steel columns | Light Poles | Highway signs | Heavy industrial equipment  
Bridges | Floor plates and light rail projects



## Z bolts

Z-type bolts, also known as shoulder anchor bolts, are essential fasteners utilized for anchoring applications in concrete constructions. With a unique Z-shaped configuration, these bolts offer enhanced stability and durability when securing structural elements like steel columns, light poles, highway signs, and machinery. The threaded top section allows for easy attachment, while the wider shoulder provides increased resistance against pullout forces, ensuring a firm connection to the concrete foundation. These dependable and versatile shoulder anchor bolts play a vital role in ensuring the safety and reliability of various construction projects.

Material: MS, SS

Anchor Bolt Set: Anchor bolt + 2NUT+2FW

Finishes: GI, HDG and ELECTRO GALVANIZED

Grade : a) ISO 898-1 grade 4.6,8.8

b) ASTM F1554 GRADE 36,55&105

APPLICATIONS: Steel columns | Light Poles | Highway signs | Heavy industrial



## V bolts

V-type foundation bolts connect structural and non-structural elements to concrete, facilitating secure connections with various components. They efficiently transfer tension forces and shear force, supporting steel columns' attachment to reinforced concrete foundations, ensuring stability in construction projects. These versatile bolts are vital for safe and reliable connections in concrete constructions.

Material: MS, SS

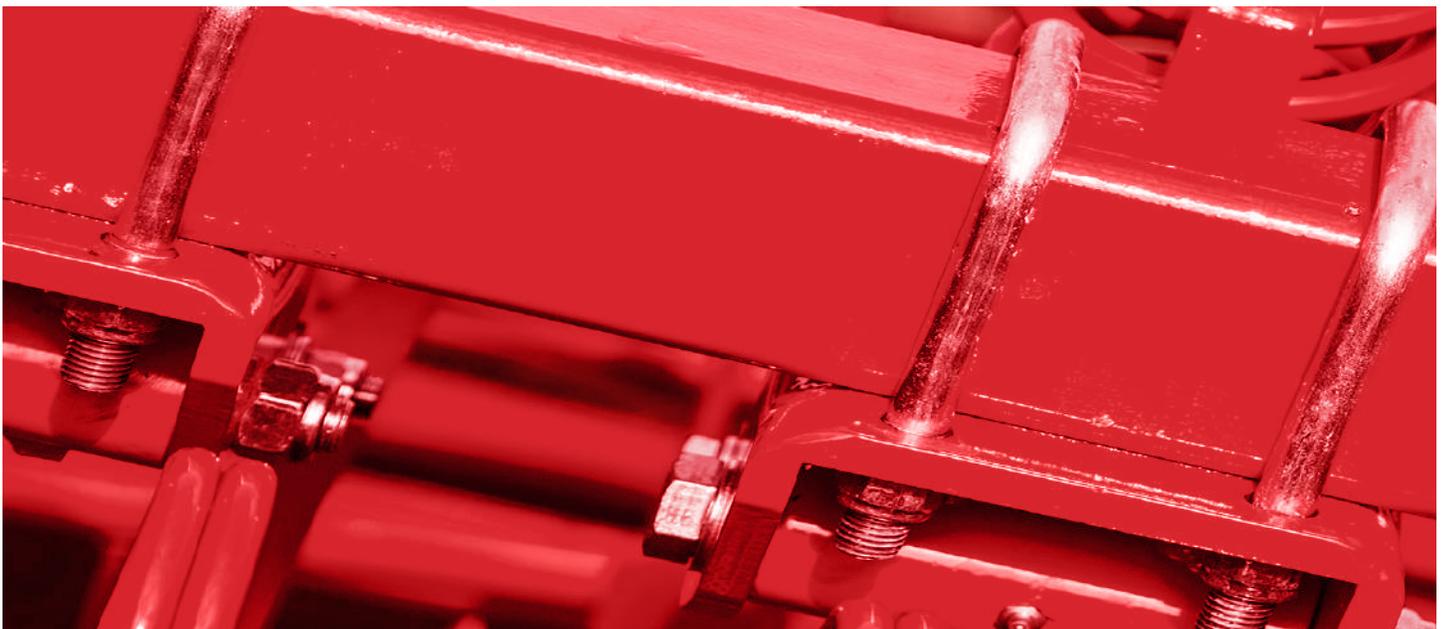
Anchor Bolt Set: Anchor bolt + 2NUT+2FW

Finishes: GI, HDG and ELECTRO GALVANIZED

Grade : a) ISO 898-1 grade 4.6,8.8

b) ASTM F1554 GRADE 36,55&105

APPLICATIONS: Steel columns | Light Poles | Highway signs | Heavy industrial





## U bolts

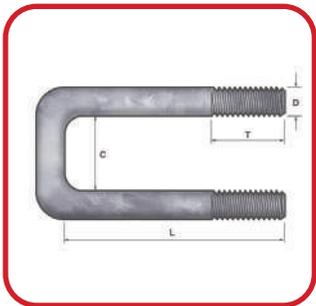
A U-Bolt is a U-shaped bolt with two threaded arms protruding from a curved base. U-Bolts are used heavily in building and construction. U-Bolts have primarily been used to support pipework. They are also commonly used to attach various items to poles and beams and can also be used as concrete fasteners.

BOLTEC offers a wide selection of materials, chamfered ends. In addition to standard round bend U-bolts, we can also manufacture special U-Bolts with custom sizes, bends and configurations.

Material: MS, Stainless Steel  
Threads: Coarse and edges chamfered

Finishes: GI, HDG, Electrogalvanized, Powder coated

APPLICATIONS: Framing systems | Petroleum and Chemical Industry | Automotive Industry  
Power transmission field | Piping and conduit supports | Plumbing/HVAC



## Square U bolts

Our company specializes in manufacturing square U-bolts to meet your specific requirements. We offer a range of finishing options, including MS, HDG, GI, SS, and Electro Galvanizing upon request. These versatile U-bolts are commonly used for attaching to square posts and can also be embedded in concrete as sturdy hold bolt anchors, ensuring reliable performance in various construction and industrial applications.

Material: MS, Stainless Steel  
Threads: Coarse and edges chamfered

Finishes: GI, HDG, Electrogalvanized, Powder coated

APPLICATIONS: Framing systems | Petroleum and Chemical Industry | Automotive Industry  
Power transmission field | Piping and conduit supports | Plumbing/HVAC



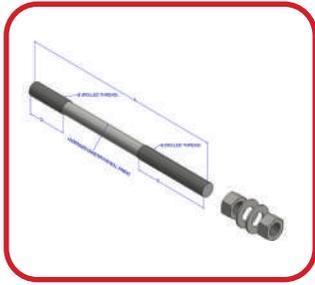
## Stud bolts

A fully-threaded stud bolt is a steel bolt with continuous threads running the full length and chamfered ends. It is screwed into a metal surface and positioned between two objects, secured with a nut on the adjacent threaded area. These studs are stronger than regular (headed) bolts as they are forged and cast into a solid metal unit. Available in various sizes and materials, threaded studs find applications across construction, manufacturing, and mechanical engineering.

Material: MS, SS, CS  
Threads: Inches(UNC Thread), Coarse

Finishes: GI, HDG, Electrogalvanized,  
Powder coated, PTFE

APPLICATIONS: Home and farm repairs | DIY building projects | Automotive industry  
Manufacturing | Plumbing



## Straight anchor bolts

Straight anchor bolts are specialized fasteners, that have threads on one end or on both ends, for easy attachment of nuts or other fasteners. They are embedded into concrete during construction, providing a reliable and stable connection, essential for various building projects.

Material: MS, SS

Finishes: GI, HDG, ELECTRO GALVANIZED ,

Threads: Inches(UNC Thread),Fine Thread, Coarse

Grade : a) ISO 898-1 grade 4.6,8.8

b) ASTM F1554 GRADE 36,55&105

APPLICATIONS: Home and farm repairs | DIY building projects | Automotive industry  
Manufacturing | Plumbing



## Chemical anchor bolts

The Chemical Anchor Bolt features a chisel-ended design and is compatible with injection systems and glass capsules for use in masonry and concrete. During installation, the stud chemically bonds to the base material. Notably, this fixing method imposes no expansion stress on the base material, making it suitable for shock or vibratory loading, as well as for softer or low-density building materials that may fail under expansion stresses. It also delivers exceptional performance for close-center and near-edge fixing. Moreover, the anchorage remains unaffected when removing and replacing the nut. nut may be removed and replaced without affecting the anchorage.



## Base Plate & Gusset Plate

The gusset plate is the steel plate that ties steel beams together on a bridge. Steel Gusset-Plates are excellent to have in your corner when you're attaching parts at 90° to one another. The plates' eleven 4mm holes on the 8mm grid pattern allow for a nearly unlimited variety of installations—especially when you're creating or reinforcing junctions.

GRADES: A36, S275JR, S355JR.

COATINGS: ELECTRO GALVANISED, HDG.

## Special

In addition to carrying an inventory of a wide range of in-stock threaded products, we will work with you to design and build custom parts. We offer a broad range of sizes, materials, finishes, and threads as well as drawing, bending, welding and assembly to produce the precise size, shape and specification you need. BOLTEC has solid engineering expertise and a thorough understanding of our customers' technical requirements. If you have a challenging application, turn to BOLTEC. We have many years of industry experience and are ready to work with you to develop a threaded product solution.

# Steel Fabrication

## Lathe Works

The engine lathe is an accurate and versatile machine on which many operations can be performed. We provide various operations like :



- TURNING AND STEP TURNING
- FACING
- PARTING
- DRILLING
- REAMING
- KNURLING
- BORING
- GROOVING
- THREADING
- FORMING
- CHAMFERING
- FILLING AND POLISHING
- TAPER TURNING

## Structural Fabrication

Structural steel fabrication is a multifaceted process encompassing bending, cutting, and shaping steel to create various structures of predefined sizes and shapes. This intricate undertaking demands specialized expertise, skills, and resources for successful completion. Skilled technicians play a pivotal role, transforming raw components into top-notch products through multiple stages of fabrication. Their experience ensures the delivery of quality structures that meet stringent industry standards and safety requirements, and transform them into quality products.



# Excavator Body Parts Repair

We specialize in engineered welding, custom fabrication, and repairs for various excavators, including Caterpillar, Komatsu, John Deere, Case, Hitachi, Daewoo, and more. With certified welders and factory-trained mechanics, we offer honest estimates and fast turnaround times, ensuring efficient solutions to get your equipment up and running swiftly.



## WHAT WE DO

### 1. Convert normal digging buckets to hard rock.

- Reinforced using wear bars, wear buttons, chocky plates and gusset plates, and welded by experts.

### 2. Restore worn out buckets.

- Restored as per customer requirements by cutting, welding, and re-boring worn out sections and parts.

### 3. Quality check.

- Thorough quality and standard inspections by qualified experts.

# Manufacturing of Idlers

BOLTEC manufactures conveyor idlers for all sectors of the industry. Our assortment includes rollers and frames that facilitate a seamless and cost-effective replacement process for your existing idlers. The integration of replacement rollers is a straightforward task, as they effortlessly slot into the provided frame.

Our idlers are available in diameters ranging from 48mm to 168mm, accommodating belt widths spanning from 400mm to 2000mm. This extensive range caters to various needs and includes throwing angles of 20°, 30°, 35°, and 45°.

Diverse Types of Idlers Offered:

IMPACT IDLERS

FLAT RETURN IDLERS

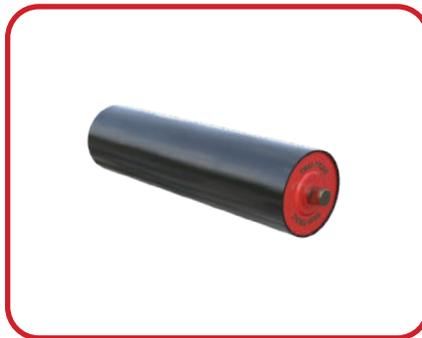
SELF-ALIGN IDLERS

CARRYING IDLERS

TROUGHING IDLERS

RUBBER DISC RETURN IDLERS

All idlers are equipped with heavy-duty deep groove ball bearings, ensuring secure shaft attachment. These bearings boast a minimum rating of 40,000 working hours, attesting to their robustness and longevity.



## Breaker chisel resharpening

Revitalize your Breaker Chisels with our professional resharpening service. We take special care to keep your tools strong by cooling them just right. Our workshop uses advanced tech and follows safe steps to avoid any harm and ensure your tools work well.

We follow a strict regimen: annealing, milling/turning, and careful sawing before and after heat treatment. We can sharpen most sizes of chisels, ranging from 40mm to 250mm in diameter.

Our expertise covers different types of edges: **Moil**, **Wedge** and **Blunt types**. Let us help your tools work better and stick around for longer. Just choose us, and you'll see the difference!



MOIL TYPE



WEDGE TYPE



BLUNT TYPE

**BOLTEC**

# HYDRAULIC HOSE CRIMPING



We have a team of specialized hi-tech hydraulic crimping technicians, equipped with up-to-date technology tools. Our team makes high pressure hoses for all types of heavy equipment, industrial use, A/C and power steering, as per the client requirements. We also offer 24x7 on-site van service.



**24x7**  
ON SITE VAN SERVICE

Call us:  
**3045 1082**

# **BOLTEC**

METAL WORKSHOP

A SUBSIDIARY OF



**ELLORA GROUP**  
quality forever

 Building 17, Street 2043,  
Wadi Aba Saleel, Qatar

 [info@boltec-metal.com](mailto:info@boltec-metal.com)

 +974 7703 9503  
+974 7052 2568

 [www.boltec-metal.com](http://www.boltec-metal.com)

