



St. Louis Screw & Bolt

Services and Products Overview

Table of Contents



02 **About Us**



09 **Warehousing and Shipping**



03 **Products**



11 **Past Projects**



05 **Manufacturing**



13 **Staff and Core Values**



07 **Quality**



14 **Contact**

About Us

St. Louis Screw & Bolt stocks everything a bridge or steel fabricator might need to complete a major project.

Founded in 1887, SLSB LLC dba St. Louis Screw & Bolt is one of the longest-operating bolt manufacturers in the United States. We have manufactured and supplied threaded fasteners for many well-known civil engineering projects both domestically and internationally.

SLSB has specialized capabilities in the manufacture of heavy hex bolts for use in structural applications. We are a long time associate member of the American Institute of Steel Construction (AISC), National Steel Bridge Alliance (NSBA) and we are active in many other trade organizations.

At SLSB, our commitment is to provide the customer and project with not only top quality products, but unmatched service and technical knowledge of fastener systems. It is SLSB's goal to maintain constant communication with our customers and end-users.

By creating a team atmosphere, we strive to become integrated with our clients working towards the common goal of a successful project. Open and continuous updates during our projects instills trust for handling whatever obstacles may come.



Products

Our Structural Fastener inventory is one of the largest and most diversified in the United States.

SLSB has the ability to source, manufacture and expedite specials making SLSB a one stop source for all structural fastener requirements.

Structural Fastener inventory includes: Heavy Hex Structural Bolts, Tension Control Bolts, Low Carbon Bolts(A307), Countersunks, Nuts, Washers, DTIs, Concrete Anchors, Foundation Anchors, Tie-Rods, Plate Washers, All Thread, Studs, Weld Studs, Lag Bolts, Stainless Hardware, plus much more!

SLSB uses only the most dependable suppliers to ensure that our customers get exactly what they order.

With over 10 million structural fasteners in stock on the shelf ready to ship, we are certain to have what you need on your next project!



Inventory and Manufacturing to service any size project.

Specializing in, and Stocking

ASTM F3125 High Strength Structural Bolts (120ksi & 150ksi)

- A325 Type I & III Heavy Hex
- A490 Type I & II Heavy Hex
- F1852/A195 Tension Control
- F2280/A490 Tension Control

In Finishes

- Plain
- Hot Dip or Mechanically Galvanized
- F1136 Zn/A Dacromet® and Geomet 321®
- F2833 Zn/A Magn 555®

Other Construction Fasteners

- Weld Studs, Anchor Bolts, Tie Rod Assemblies, Concrete Mechanical and Adhesive Anchors





Manufacturing

In-house cold forming capabilities range from 1/2" diameter up to and including 1-1/4" diameter. All of our bolts are made from domestic steel, melted and manufactured in the USA.

Our bolts are manufactured to the appropriate ASTM standards. Manufacturing Certifications with Chemical and Physical results are provided with shipments and/or on-line with 24 hour per day access. Our in-house manufacturing allows us to be very flexible in scheduling parts. Our lead-times are shorter than industry standards for most parts, and often can be made to meet whatever the construction schedule demands.

In our Cold Heading process, raw material comes to SLSB in the form of steel wire on a large spool. The wire is loaded on the back end of the boltmaker, uncoiled and drawn down into

the precise diameter necessary. Next, a shear operation cuts the straightened steel into a blank, which is then passed to forming stations. The first station forms a slight cone (upset) on the end of the blank, moving enough metal to allow the 2nd station to form a round head. At the same time our SL manufacturers ID and product identification is stamped into the head of the unfinished bolt, and a pointed extrusion for the threading is formed on the opposite end. The next station trims the rounded head into the familiar heavy hex pattern. After heading stations, the parts are moved along to threading dies where threads are rolled on to the bolts. Some of our boltmakers have 4 stations.



We love guests! Give us a call and stop on by for a plant tour and see these impressive machines running with your own eyes.



Cold Heading

Our In-House Manufactured Products

- 13125 A325/120ksi
Heavy Hex Structural
Bolts Type 1 & 11
- 13125 A490/150ksi
Heavy Hex Structural
Bolts Type 1 & 11
- A384 Steel Transmission
Tower Bolts Type 1 & Type O
- A448 Hex and Heavy
Hex Bolts
- Custom headed parts to
customer specifications



Quality

All products are produced to the latest American Society for Testing Materials (ASTM) standards, and tested in our in house A2LA accredited quality control laboratory.

The SLSB lab performs multiple mechanical tests including rotational capacity, proof load, hardness, and wedge tensile, just to name a few.

We take great care to ensure that our product meets the quality specifications.

SLSB does extensive incoming inspection on vendor-supplied products, verifying they meet all applicable standards, as ordered.

Our quality staff is dedicated to accurate and timely reporting of these tests to incorporate the results into our test reports/certifications packets.

Material certifications and rotational capacity tests can be sent with the shipment or invoice and are also available on-line 24 hours a day, 7 days a week, 365 days a year via our customer portal link, found on our website.



We perform a variety of quality tests and checks to ensure that our products meet the standards that are required of your project.



State-of-the-Art Laboratory Testing

Equipment Used

- HT-4000 Skidmore with calibrated load cell and hydraulic wrench
- Model K Skidmore for large diameter rotational capacity testing
- Satco Tensile Tester
- Baldwin Press and Tester
- Clark Hardness Tester
- Go/NoGo gauges
- Other measuring devices and machines



Warehousing and Shipping

SLSB has over 10 million structural fasteners in inventory, ready to ship. The warehouse is organized by grade, type and finish, ensuring the right products are pulled and applied to orders.

Our highly-efficient warehouse organizational system ensures complete visibility over all orders. This system allows us to guarantee that the grade, type and finish match every order.

Precise weigh count scales are used for all shipments to verify counts match what was ordered against what was pulled and packed on the order.

In 2006, **SLSB led the entire fastener industry** introducing the premier packaging container for structural fasteners. SLSB branded orange RPK's (Rigid Polyethylene Kegs) can now be found all over the world to not only protect your steel

erectors' hands, but also to protect the structural bolts like no container can. The RPK is easy to open, yet has a tamper proof lid with smooth edges that prevent cuts and scrapes, which are a common issue seen in traditional metal kegs. Durable sidewalls and molded built in handles make the RPK easy to maneuver and roll.

Every lid from SLSB comes with a gasket providing a secure weather-tight seal. They are 100% fully recyclable and often re-purposed for many uses. Our RPKs feature color-coded lids and weatherproof labels which allow for quick recognition of the grade and finish on the bolt, contained within.



Value-added options, such as assembly of structural bolts, nuts and washers, are always available. We can accommodate any special packaging requirements.



Packaging and Shipping Features

Packaging

- Over-the-top shrink wrapping
- Long leads
- Easily identifiable kegs
- Assembly optional

Shipping

- Negotiated shipping rates
- Most shipments sent with no freight charge
- Tracking information
- Centrally located to reach most of the Control US within one business day

Past Projects

We have to say thank you to our customers for involving us in some really great projects. Here is just a small list of recent and past projects.

- | | | |
|---|--|------------------------------------|
| St Louis Gateway Arch | The Panama Canal | The Golden Gate Bridge |
| St Louis Cardinals Busch Stadium | Carquinez Bridge 2004 | Chicago McCormick Place Expansion |
| Intel FAB 42 Semiconductor Manufacturing | Dubai International Airport Terminal 3 | Huey P. Long Bridge Widening |
| Ivanpah Solar Electric Gen. System | Intel DIX Research Facility | World Trade Center Museum Pavilion |
| Boeing 777X Wing Plant and Static Test Facility | Kearl Oil Sands Project | Wood River Refinery |
| Atlanta Braves Stadium | Eldorado High School | Wrigley Field Expansion |
| 1904 St. Louis World's Fair Ferris Wheel | Lambeau Field Expansion | Menards Stores Nationwide |



SLSB shines in critical situations, helping to keep your project on time and on budget. We can be there on your job-site when you need us.

We are there when you need us

Product Support

- On-site consultation, on-train training and support
- Product-specific training

Testing Support

- Field rotational capacity testing training and support
- Pre-installation troubleshooting and training

Delivery Support

- Pallet mapping and keg numbering
- On-line shipment tracking
- Overnight delivery virtually anywhere





Staff and Core Values

We get the **DRIFT**

DRIFT is an acronym for the core values at SLSB. **Dedication, Respect, Initiative, Focus** and **Teamwork** is what we expect from every SLSB employee.

- Going above and beyond for SLSB, and the customer
- Showing proper regard for our customers, employees and vendors
- Not only recognizing the need to take action, but taking action
- Attention towards a particular purpose
- Willingness, across all departments, to work together to achieve a common goal

Our staff makes us among the nation's most experienced structural bolting experts in manufacturing, customer support, quality and shipping. Collectively, we have over 180 years of experience in structural fasteners.

Contact Us

We are centrally located in the United States to offer effective, economical and quick delivery across the US. We also offer international shipping. Contact us for more information.



Our Headquarters

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We're leaders in the fastener industry

St. Louis Screw & Bolt is one of the longest-operating bolt manufacturers in the world. We specialize in a wide variety of fasteners to accommodate any job of any size. Our location in Central US allows for us to serve the entire country quickly and efficiently.

Contact Us

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