

# LAMONS®

Sealing Global - Servicing Local



A Division of

## LAMONS®

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NUTS

STUDS

HEADED PARTS

SPECIALTY FASTENERS

THREAD LUBRICANT

WASHERS

MACHINED COMPONENTS

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



## STUDS

Lamons can provide a wide variety of studs such as Double-End, Tap-Ends, Combination, Single-End, All Thread, Collars, and Specials.

Double-End studs are available in four different types:

unfinished, finished (full or undersize body), finished (full body), and finished (close body).

Lamons can also provide stud bolts for pressure-temperature piping which conforms to the requirements of ASME B16.5 flange specifications or to special non-standard length.



## HEADED PARTS

Bolts are headed parts that are designed as an externally threaded part for insertion through holes in an assembled connection to mate with a nut. Lamons has the capability to provide a large variety of standard and non-standard headed parts such as square bolts, Hex Head Bolts, Heavy Head Bolts, 12 Point Bolts, Socket Cap Screws, Set Screws, Riser Bolts, Bonnet Bolts, and other specialty bolts.

## WASHERS

Lamons furnishes several standard and special design washers upon customer request since it is an important component in any flange connection and improves the torque input into the bolt by providing low friction. It also protects the flange surface from damage while torquing bolts. Washers are available in various metal materials.

Various metal materials are available for Hardened Steel Washers per the ASTM F436 specification. There are several styles Lamons can supply such as circular, beveled, clipped, and other specialty shapes and designs. Lamons also provides washers per the ASME PCC-1 specification which has modified dimensions to make it suitable with pipe or vessel flanges which will prevent the occurrence of back facing on flanges.



## BOLT THREAD LUBRICANT

Where torque is produced, friction is present. Correct control of friction is critical when applying proper bolt load. Proper and consistent bolt loads are essential to correct gasket stress and a good joint assembly.

Premium Thread Lubricants Moly B and Nickel 328 will enhance and ensure easy assembly and a smooth disassembly. Over time and with exposure to extreme temperatures and elements, our formulated blends will remain primarily intact and inhibit oxidation. In fact, in many cases, our lubricants can even condition the mating surfaces.





## NUTS

Nuts are applied with bolts for the purpose of tightening two connections in definite position. Lamons supplies a large variety of nuts such as Heavy Hex, Finished Hex, Jam, Coupling, Slotted, Square, Cap, Tee, Wing, Castle, Spherical Faced nuts, and other specialty requested designs. Exotic alloys such as inconel, monel and hastalloy are available.

## SPECIALTY FASTENERS & MACHINED COMPONENTS



Lamons maintains a high capacity of programmable mill and lathe capability for custom machine work on most any specialty component. As a leading manufacturer of custom machined products for the refining, petrochemical and industrial markets, Lamons recognizes the quality and service levels these industries require. We have over 30 state of the art CNC machines operated by programmers and machinists to deliver high quality machined components with the quickest response time in the industry.

From a sample, drawing or CAD file, Lamons can program and manufacture/machine custom parts with the highest precision and repeatability within .0005 inches (.0127mm).

Specialty rings and industrial machined components can be rapidly produced to exact dimensions and to customer specification. Lamons stocks the most extensive inventory of centrifugal castings, forgings and plate in the industry allowing us to respond quickly to most any customer's need. From small machined components to rings over 6 feet (1800mm), Lamons has the capacity and turning capability to deliver most any configuration of heavy cross sectioned components.



## TORQUE INFORMATION:

There are several methods for calculating the required bolt torque value but the most common formula used in the industry is: (Torque Formula in USC units) [\(Torque Formula in SI units\)](#)

$$T = (S * D * R * A) / 12$$

$$T = (S * D * R * A) / 1000$$

Where

T: Bolt Torque (Ft-lbs) [\(N.m\)](#)

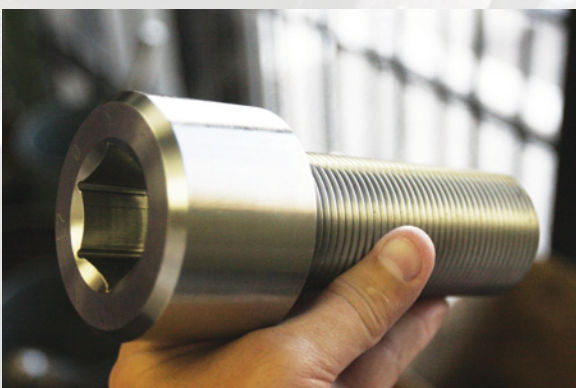
S: Required Bolt Stress (PSI) [\(MPa\)](#)

(Typically 55% of the bolt yield is applied)

D: Bolt Diameter (Inches) [\(Millimeters\)](#)

R: Coefficient of Friction

A: Area at root of Thread (Square in) [\(Square mm\)](#)





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US LOCATIONS

TEXAS

Houston HQ  
713-222-0284

Beaumont  
409-838-6304

Freeport  
979-265-2100

STBF Houston  
Fastener Division  
713-673-5376

PENNSYLVANIA

Boothwyn  
610-364-1111

LOUISIANA

Baton Rouge  
225-292-4250

Luling  
985-785-4160

Westlake  
337-882-1681

ILLINOIS

Joliet  
815-744-3902

MICHIGAN

Midland  
989-488-4580

CALIFORNIA

Martinez  
925-313-9080

Rancho Dominguez  
310-886-1133

UTAH

Salt Lake City  
801-532-2338

WASHINGTON

Bellingham  
360-733-3831

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780-461-5557

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905-871-0600

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519-332-1800

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