



Sealing Global - Servicing Local

US LOCATIONS

TEXAS Houston HQ 713-222-0284 Beaumont 409-838-6304 Freeport 979-265-2100 STBF Houston Fastener Division 713-673-5376	LOUISIANA Baton Rouge 225-292-4250 Luling 985-785-4160 Westlake 337-882-1681	CALIFORNIA Martinez 925-313-9080 Rancho Dominguez 310-886-1133
PENNSYLVANIA Boothwyn 610-364-1111	ILLINOIS Joliet 815-744-3902	UTAH Salt Lake City 801-532-2338
	MICHIGAN Midland 989-488-4580	WASHINGTON Bellingham 360-733-3831

GLOBAL LOCATIONS

CANADA Edmonton 780-461-5557 Ft. Erie 905-871-0600 Sarnia 519-332-1800	CHINA Zhang Jia Gang 0086 512-56720109	UNITED KINGDOM Grimsby 01472 250033
	THE NETHERLANDS Rotterdam 31 0 10-4290388	



CONTACT INFORMATION
sales@lamons.com

TECHNICAL INFORMATION
engineering@lamons.com

1-800-231-6909

www.lamons.com



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A Division of



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NUTS STUDS HEADED PARTS SPECIALTY FASTENERS
THREAD LUBRICANT WASHERS MACHINED COMPONENTS

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) [\(Square mm\)](#)

