

since 1972

LINCOLN MACHINE

Material Sales

Small & large, cut to size orders

- Our inventory of stock materials is one of the largest in the area. We have a comprehensive supply of bar, plate, rounds, flat, hex, squares and angles in stock.
- Quickly cut to your specifications.
- Delivery available.
- Pay for only the material you receive. Lincoln Machine does not make you pay for the “scrap”.
- Contact us for quotes and availability.

Below is a list of the materials we normally have in stock

Stainless Steel

Chrome-Nickel, Non-Hardening, Austenitic (Non-Magnetic)



***Type 303 – Large Selection Available in Rounds**

Used in automatic machining operations. Corrosion resistant to atmospheric exposures, sterilizing solutions, most organic and many inorganic chemicals, most dyes, nitric acid and foods.

Type 304 – Available in Flat and Rounds

The most widely used of the stainless and heat resisting steels. Offers good corrosion resistance to many chemical corrodents as well as industrial atmospheres. Has very good formability and can be readily welded by all common methods.

Type 316 – Available in Rounds

Better corrosion and pitting resistance as well as higher strength at elevated temperatures than T-304, Used for pumps, valves, textile and chemical equipment, pulp and paper and marine applications.

Stainless Steel

Chrome, Hardenable, Martensitic (Magnetic)

Type 416 – Available in Rounds

Heat-treatable stainless with corrosion resistance to natural food acids, basic salts, water and most temperatures.

Main Plant: 6401 CORNHUSKER HWY.
LINCOLN NEBRASKA 68507
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Aluminum Heat Treatable (Strong) Alloys

***Type 6061-T6 – Available in Angle, Flat, Hex, Plate/Sheet .032” through 3”, Rounds .125” through 12”, Squares and Rectangles. -Large Selection of Flat Bar Stock, Plate Square Bar Stock, and Round Bar Stock.**

Alloyed with 1.0% magnesium and .6% silicon. Tensile strength range 20,000 to 42,000 psi. Good formability, weldability and corrosion resistance. Used for engineering and structural applications, boats, furniture, transportation equipment, etc.

Type 2011- Available in Hex and Rounds

Screw machine stock that is the best machining aluminum bar stock. Fine chips mean faster feeds and longer tool life. Machines to an excellent finish, has good strength with average formability.

Type 2024- Available in Flats and Rounds

Alloyed with 4.5% copper. Tensile strength range 30,000 to 63,000. Fair workability and corrosion resistance. Forming operations are limited. Used for high strength structural and aircraft applications.

***Lincoln Machine specializes in custom cutting to your specifications of Aluminum Type 6061-T6 and Cast Tool Plate**



Steel Hot Rolled Carbon Steel Bars Low Carbon – Case Hardening

***Type A36(HR) – Large Selection Available in Flat, Rounds, and Squares**

Bars designed for use in structural applications. Minimum physical properties of 36 KSI yield strength and 58 KSI tensile strength

***Type 1018 – Large Selection Available in Flat, Hex, Rounds .125” through 9”, and Squares**

A low carbon steel with medium manganese content. Has good hardening properties and fair machinability. Readily brazed and welded. Suitable for shafting and for applications that do not require the greater strength of high carbon and alloy steels.

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Type 1117 – Available in Rounds

A low carbon, high manganese steel. Machinability is greatly improved over type 1018, and case hardening is deep and uniform, supported by a tough ductile core. Withstands bending, broaching and most deforming without cracking.

Steel

Medium Carbon – Direct Hardening

Type 1045 – Available in Rounds

Medium carbon steel used when greater strength and hardness is desired in the as-rolled condition. Can be hammer forged and responds to heat treatment. Uses include gears, shafts, axels, bolts and studs, machine parts, etc.



Type 12L14 – Large Selection of Rounds .125” through 9”, Also Available in Hex and Squares

A lead bearing steel that offers inherent ductility combined with finer surface quality. It is an extraordinary fast machining steel and has become the favorite for screw machine work.

Type 1144 Ground & Polished Stressproof - Available in Rounds

Extreme size accuracy, straightness and concentricity to minimize wear in high speed applications.

Steel

Heat Treated Alloy

Type e.t.d. 150 – Available in Rounds

Is made by the elevated temperature drawing process to obtain properties and strengths usually achieved only by quenching and tempering. No heat treating is required – properties are in-the-bar as received. This steel machines faster than heat treated bars.

Type 4140/4150 Annealed – Available in Rounds

Widely used medium carbon steels. Nominal composition: .95% chromium and .20% molybdenum content. A broad range of strength and toughness is attainable through variations in heat treatment. Good hardenability, strength, wear resistance, toughness and ductility.

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Tool Steel

Air Hardening Die Steel

Type A-2 – Available in Flats and Rounds

Good combination of wear resistance and toughness. A-2 is very stable in heat treatment and is not difficult to machine or grind.

Type D-2– Available in Flats and Rounds

Exhibits extremely high wear resistance. D-2 has excellent size stability in heat treatment. Deep hardening in air. Used for cold work tools requiring very long runs and close tolerances. Uses include blanking stamping, cold forming dies, slitters, punches, thread rolling dies and trim dies.



Type S-7 DCF (DeCarb-Free) - Available in Flats And Rounds

S-7 is a general-purpose air hardened tool steel well suited for many tools requiring exceptional toughness, good wear resistance and dimensional stability in heat treatment. It is an excellent choice for high hardness cavity inserts in plastic molds.

Brass

Alloy 360 – Available in Rounds

C360 is ideally suited for high speed machining operations with its superior machinability, thread rolling and knurling characteristics. It is easily soldered or brazed and has good resistance to corrosion,. Typical applications include gears, pinions, plumbing ware fittings, adapters, vales, stems and screw machine products.

Mirraloy

Ground Shafting

Available in Metric Sizes

Is a precision finished alloy steel manufactured to the most stringent quality standards in the industry. This product is free of impurities that cause other products to fail in service due to fatigue.

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