

Glossary

Material Terminology

ALLOY - Substance having metallic properties, composed of two or more chemical elements of which at least one is an elemental metal.

ANNEALING - Heating to and holding a suitable temperature and then cooling at a suitable rate. This reduces hardness, improves machinability and facilitates cold working.

ANODIZING - Anodizing is a process which forms a particularly structured and dense oxide layer which resists abrasion and thus protects the underlying metal. This layer is colorless, but it's possible to introduce a dye at one stage in the process to permanently color the surface.

COLD WORKING - Cold working applies to mechanical working performed at temperatures below the critical range, and results in a strain hardening of the metal. The strength and hardness as well as the elastic limit are increased, but the ductility decreases. There are two primary cold-working processes: cold-rolling and cold-drawing.

COLD-ROLLING - Cold rolling usually refers to the working of metal at room temperature. Materials have been hot-rolled to approximate sizes are pickled to remove any scale, then are passed through chilled finished rolls. This gives a smooth surface and also brings the pieces to accurate dimensions. The principal forms of cold-rolled stocks are sheets, bars, and rods.

COLD-DRAWING - Cold-drawing is used in the making of bright steel bar in round, square, hexagonal and flat sections, as well as seamless tubing and wire. Rods are drawn at room temperature through a die to achieve their final size and to provide better surface finish, closer tolerances, longer lengths, smaller diameters, or a different combination of mechanical properties from those possible through hot-finishing.

EXTRUSION - The extrusion process involves the forcing of metal through an opening in a die, causing the metal to take the shape of the die opening. Some metals such as lead, tin, and aluminum may be extruded cold, but generally metals are heated before the operation is begun. The principal advantage of the extrusion process is in its flexibility.

FERROUS/NON-FERROUS METALS - Ferrous refers to an iron content in the material. In general terms, metals that are not magnetic are considered non-ferrous. Most magnetic steel, steel alloys, and stainless steels contain enough iron to be considered ferrous. Reference to ferrous and non-ferrous metals is made when selecting tooling, grinding wheels, abrasives and saw blades.

HOT ROLLED - Hot rolled product is heated and rolled at high temperatures to impart the shape, chemical and mechanical properties required in the finished item.

TEMPERING - A process of re-heating hardened steel to a temperature below the transformation range and then cooling at any rate desired. The purpose is to decrease the hardness and increase the toughness.

ALLOY - Turning a bar gives it improved size, straightness, and concentricity together with freeing the product from decarburization, seams and other surface imperfections. Bars are then ground for a tighter tolerance and to ensure uniformity in size and finish. Lastly, bars are polished to a brilliant, bright finish. The TG&P process is often required in bars used for shafting and similar applications which need to be free of surface imperfections.

ALUMINUM - Aluminum alloys are strong, naturally soft, lightweight, ductile and malleable. Easy to machine, fabricate, join and work. Aluminum is non-toxic and electrically and thermally conductive.

ALUMINUM 2024 - A high-strength aluminum alloy, 2024 offers high strength and excellent fatigue resistance. Readily machined to a high finish and when annealed can be easily formed and may be heat treated. Because of its normally low corrosion resistance, 2024 with an anodized finish is more popular. Good where a favorable strength to weight ratio is required. Bar conforms to ASTM B211 & QQ-A-225/6. 2024 Plate conforms to ASTM B209 & QQ-A-250/4.

ALUMINUM 6061 - This extruded aluminum alloy is one of the most versatile heat treatable alloys in the aluminum family. Good mechanical properties, good corrosion resistance and medium strength. Commonly used where welding and brazing is required, and can be fabricated by many of the commonly used techniques. Yield strength is 40 ksi. Hardness is 95 Brinell. Melting range is 1080 deg. to 1205 deg. 6061-T651 Plate and 6061-T6 Sheet conform to ASTM B209, QQ-A-250/11 & AMS 4053.

ALUMINUM 6063 - Commonly referred to as "architectural alloy", this material has relatively high tensile properties, excellent finishing characteristics and high corrosion resistance. It is the alloy best suited for anodizing applications. It is often found in various interior and exterior architectural applications, such as windows, doors, store fronts, and assorted trim items.

ALUMINUM 7075 - One of the hardest aluminum alloys, this material is has good machinability and fair corrosion resistance.

BRASS - Brass resists atmospheric corrosion, water, and many salt water solutions. A high percentage of zinc makes it stronger and more durable than copper and bronze. It is easy to manufacture and maintains higher electrical characteristics.

BRASS CA360 - Brass grade 360 is a free cutting 1/2 hard brass and is the nonferrous alloy all others are compared to when machinability is questioned. It is an ideal metal for shop use where milling, drilling, tapping, knurling or turning is required. It is corrosion resistant and rustproof. It can also be plated, brazed and soldered. Some applications are use as valve stems, bolts, and marine hardware and pump shafts. Bar conforms to ASTM B16.

NAVAL BRASS CA464 - Naval Brass Alloy 464 has more corrosion resistance to sea water at elevated temperatures and still maintains good strength and rigidity. It possesses excellent capacity for hot-working and adapts well for hot forging and pressing. Can be drawn, formed bent, headed and upset. 464 can also be welded, brazed or soldered with ease. Some applications are use as valve stems, bolts, and marine hardware and pump shafts. Conforms to ASTM B21.

BRONZE - This copper and tin alloy is generally ductile and malleable. Its high copper content makes it more corrosion resistant than brass. It is also harder and stronger than copper.

PHOSPHOR BRONZE CA544 - Bronze 544 Alloy is a free cutting phosphor bronze material with a machinability of 85%. It has high strength, good corrosion resistance and also high fatigue properties. It has been used for bushings, shafts and bearings, valves, gears, terminals and many varieties of electrical parts. Has a Rockwell B of 80, tensile strength of 68ksi, yield strength of 57ksi and an elongation of 20%.

SILICON BRONZE CA655 - Silicon Bronze alloy 655 is a 1/2 hard, high strength bronze alloy with excellent corrosion resistance. It is typically used for marine hardware, fasteners and connections. It can be cold worked and hot formed. Ranks rather low on the machinability scale. Tensile strength - 78 ksi, Yield strength - 45 ksi, Elongation - 35%, Rockwell B scale - 85, Shear strength - 52 ksi.

BEARING BRONZE CA932 (SAE660) - Bronze 932, know as bearing bronze, has excellent load capacity and antifricition qualities. This alloy has good machining characteristics, resists many chemicals and is recommended for medium speed, medium load applications.

ALUMINUM BRONZE CA954 - Aluminum Bronze alloy 954 is similar to Ampco 18. It can be heat treated for higher hardness properties and improved tensile, yield, compression strength and fatigue values. Typically used as bearing material because of its resistance to wear, abrasion and fatigue, deformation and corrosion. Also used for wear plates, valve parts, liners, gears and more. Tensile strength - 90,000, yield strength - 35,000, elongation - 12%. Brinell hardness 170/180.

COPPER - Copper is corrosion resistant and highly ductile. Great for electrical applications.

COPPER 110 SHEET & PLATE - Cold Rolled Sheet Copper, electrolytic tough pitch, 1/8 to 1/4 hard. Rockwell f40-82.

COPPER CA110 - Copper 110 or 110 Electrolytic Tough Pitch (ETP) Copper has the highest electrical conductivity of any metal except for silver. Its high ductility makes it an excellent choice for drawing, forming or spinning applications. Some of its fabrication capabilities are cold-working, hot-working, soldering and welding. It also has excellent corrosion resistance.

FOILS - A flat-rolled product 0.0059 inches or less in thickness, regardless of width. Flat-rolled products thicker than foil (over 0.0059 inches) are classified as sheet or strip in accordance with steel industry terminology.

KEYSTOCK - Keystock is solid core bars used as keys to lock shaft components together by being inserted into machined slots. It is used to provide driving torque between shafts and pulleys, gears and sprockets. Often used for machinery, general maintenance and shop repairs. Material for steel is high quality, cold drawn low carbon C1018 steel. All keystock is supplied as oversized to assure a tight fit in keyways.

METAL BALLS - Precision balls for use in ball bearing and other roller applications.

PLASTICS:

ACETAL - Acetal (Copolymer) has high strength and low moisture absorption, stiffness with excellent dimensional stability and ease of machining. The resin certifies to ASTM D 4181 POM 211. It also meets ASTM D 6100 S-POM 0211, LP (Low Porosity), FDA CFR21, Section 177.2470 (a), (b), (c) and (d)(2) and is 3-A Dairy approved.

DELIRIN - Delrin® (Acetal homopolymer) offers slightly higher mechanical properties (but slightly lower chemical resistance) than Acetal copolymer. Thinner cross-sections benefit from the additional strength and rigidity of Delrin®. The resin certifies to ASTM D 4181 POM 111. It also meets ASTM D 6100 S-POM 0111 and FDA CFR 21 Section 177.2480.

NYLON 101 - Nylon 101 is tough, has a low coefficient of friction and good abrasion resistance. It reduces lubrication requirements and can eliminate galling and corrosion problems. The resin certifies to ASTM D 4066 PA 0114. It also meets LP410A, ASTM D 5989 S-PA 0113, FDA CFR 21 Section 177.1500 and is 3-A Dairy approved.

Glossary Cont.

TEFLON - Virgin Teflon® is essentially chemically inert up to 500°F. It also exhibits exceptionally low friction and retains its flexibility at low temperatures. It offers remarkable electrical stability over a wide range of frequency and environmental conditions. The resin certifies to ASTM D 1710 Type 1, Grade 1, Class A and it meets FDA CFR 21 177.1550. Mechanical Teflon® exhibits many of the same characteristics of Virgin Teflon®, but it is not suitable for use in electrical applications or food contact applications. The resin certifies to ASTM D 1710 Type 3, Grade 2, Class A.

UHMW - UHMW has a unique combination of wear and corrosion resistance, low-friction surface and impact strength. It is also resistant to chemical attack and moisture absorption. The resin certifies to ASTM d 4020. It also meets FDA CFR 21 Section 177.1520 2.1, 2.2 and is 3-A Dairy approved.

REINFORCING BARS (REBAR) - Grade 60.
Steel reinforcing bars help maintain integrity of concrete and stop cracking.

STAINLESS STEEL - Stainless steels are alloys of iron to which at least 10% chromium has been added to increase corrosion resistance. A 10% chromium steel will not rust when exposed to weather. To obtain greater corrosion resistance, more nickel and chromium are added to the alloy. Along with iron and chromium, all stainless steels contain some carbon. The carbon is added for the same purpose as in ordinary steels, to make steel stronger. Other alloying elements improve corrosion resistance, fabricability and variations in strength. These elements include nickel, molybdenum, copper, titanium, silicone, aluminum, sulfur and many others.

AUSTENITIC STAINLESS STEEL - The most common austenitic alloys are iron-chromium-nickel steels and are widely known as the 300 series. The austenitic stainless steels, because of their high chromium and nickel content, are the most corrosion resistant of the stainless group providing unusually fine mechanical properties. They cannot be hardened by heat treatment, but can be hardened significantly by cold-working. They are normally non-magnetic, but become slightly magnetic when cold-worked.

STAINLESS TYPE 303 - 303 SS has non-galling and non-seizing qualities which allow for easy machining and is better for lighter equipment if welding is not required. When cold worked it can become slightly magnetic. Free machining for heavier cuts in automatic machining operations. Corrosion resistant to atmospheric exposures, sterilizing solutions, most organic and many inorganic chemicals, most dyes, nitric acid and foods. Machinability is 70%.

STAINLESS TYPE 303 TURNED GROUND AND POLISHED (TGP) - When very close tolerances are required turning & center-less grinding is used. To achieve close tolerances the amount of metal removed in the final pass is very small. The TG&P process is often required in bars used for shafting & similar applications which need to be free of surface imperfections. To impart a very high polish to the surface, it is not uncommon to finish the bar with a burnishing pass through a two-roll rotary straightening machine. Non magnetic.

STAINLESS TYPE 304 - Type 304 is a low carbon, chromium - nickel alloy. It requires heavier equipment to machine, but is easier to weld than type 303 making it a very common stainless steel for fabrication. It offers excellent resistance to a wide range of corrosives and atmospheric exposures. Non magnetic.

STAINLESS TYPE 316 - Highest corrosion and pitting resistance of the standard stainless steels. Used in the paper, photographic and textile industries. Great for marine applications. Has a high temperature strength and is not hardenable by heat treatment. Non-magnetic.

STAINLESS TYPE 416 - 416 SS is a very free machining grade of heat treatable stainless steel. Useful corrosion resistance to natural food acids, basic salts, water & most atmospheres. Generally difficult to weld. Magnetic.

STAINLESS TYPE 630 (17-4 PH) - 17-4 PH provides the superior corrosion resistance of all the austenitic stainless steels, but in addition, is capable of being heat treated to various high strength levels with minimum distortion. It is generally furnished in the annealed condition for ease of machining. It develops high strength properties by aging at selected temperatures. Non magnetic.

STEEL - Steel is iron that is combined with other elements such as carbon, manganese and silicon. It falls into one of two families: carbon steel or alloy steel.

CARBON STEEL - Carbon steel is ordinary steel with 2% maximum of carbon, and no minimum content is specified or required for aluminum, chromium, cobalt, columbium, molybdenum, nickel, titanium, tungsten, vanadium, or zirconium. Carbon steels harden only with surface (case) treatments. A four-numeral series is used to designate graduations of chemical composition of carbon steel. The first two digits indicate the grade of carbon steel. The last two numbers are intended to indicate the approximate middle of the carbon range.

A36 CARBON STEEL - Hot Rolled - A36 low carbon steel is a general purpose mild steel with excellent welding and forming capabilities. May be formed hot or cold. Galvanizing increases corrosive resistance. Conforms to ASTM A36.

1018 CARBON STEEL - Cold-Drawn - 1018 is a low-carbon steel which has good case hardening properties. An excellent steel when bending or cold forming is required and stresses are not too severe. It has good brazing and welding properties, but has poor corrosion resistance. C1018 has a smooth, clean cold-drawn surface. Yield strength - 50,000 +, with average machinability at 66%.

1045 CARBON STEEL - A medium carbon steel that is used in heat treating applications (quenching and tempering). It has an ability to be conventionally quenched, but is often used where the specifications are less stringent. It is also used in induction hardening applications. It is rated fair for brazing and welding, however it can be forged satisfactorily. It is commonly used as shaft material and not normally considered a screw machine steel.

12L14 CARBON STEEL - Cold Drawn - 12L14 is a leaded steel with a smooth cold finish (rolled) surface. It has ductility and provides a fine surface quality. Bending and crimping are easily done with 12L14. An excellent machinability makes it the most popular steel for turning on lathes. Has a yield strength of 60,000 psi, while machinability is rated at 195% with 325 surface feet per minute.

COLD ROLLED SHEET - Cold Roll Sheet is low carbon and commercial quality. This low cost steel sheet is soft enough to bend flat on itself in any direction without cracking, and is ductile enough for shallow drawing. The carbon is .10 max for improved welding and forming. It has closer thickness tolerances and better surface than pickled and oiled. Conforms to ASTM A1008.

ALLOY STEEL - Alloy steels contain added elements that cause the steel to exhibit enhanced properties when heat treated. A four-numeral series is used to designate graduations of chemical composition of alloy steel. The first two digits indicate the grade of alloy. The last two numbers are intended to indicate the approximate middle of the carbon range.

4140/41L40 ANNEALED ALLOY STEEL - 4140 and 41L40 are heat treatable, commercial-quality steels. The chromium content makes for deeper hardness penetration, while its molybdenum content allows uniformity of the hardness and strength. It has good wear resistance, along with excellent toughness and ductility while in the quenched and tempered condition. In the annealed condition it machines at 110 sfm. The lead added to the 41L40 raises the machinability to 145, and when annealed provides much the same properties as 4140.

4140/4142 HEAT TREATED B7 ALLOY STEEL - Pre-heat treated 4140 offers good hardness, penetration, strength, toughness, ductility and wear resistance. This is a general purpose alloy, normally .95% chromium & .20% molybdenum. Conforms to ASTM A193 Grade B7.

8620 ALLOY STEEL - Chromium-nickel-molybdenum steel. Its nickel content imparts good toughness and ductility, while the chromium and molybdenum increase hardness penetration and wear resistance. The alloy content permits hardening to a strong, tough core, with high-case hardness. It machines a 110 sfm and has good welding qualities.

ETD 150 CF ALLOY - This alloy steel has high tensile and yield strengths. It is used in car shafts, pinions, fasteners, axels and anyplace that needs heat-treated alloy parts. It has fair weldability.

Pre-Cut Length's

Pre-cut stocks are supplied in 3' and/or 6' lengths for your convenience. Available in the following materials: Carbon, Stainless Steel, Plastic, Aluminum, Brass, and rebar. Other lengths and materials are available in the "Bar Stock" section on the catalog. Material test reports are not available on these parts. If you need certifications, please use "full bar" part numbers listed earlier in this section.

Round Stock

Low Carbon Rounds

Material is an ASTM A108 1018 CRS (cold rolled steel). 1018 has good case hardening properties, easily welded, and bendable. Average tensile is 85,000 psi and Brinell hardness is 167 average.

3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 47701 | 1/8" | \$0.97 |
| 47702 | 3/16" | 1.86 |
| 47703 | 1/4" | 1.88 |
| 47704 | 5/16" | 3.06 |
| 47705 | 3/8" | 3.23 |
| 47706 | 7/16" | 4.88 |
| 47707 | 1/2" | 5.04 |
| 47709 | 5/8" | 7.72 |
| 47710 | 3/4" | 10.79 |
| 47711 | 7/8" | 14.56 |
| 47712 | 1" | 18.66 |
| 0953233 | 1-1/2" | 33.77 |
| 0953234 | 2" | 59.28 |

6' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953268 | 1/4" | \$3.23 |
| 0953269 | 3/8" | 5.85 |
| 0953270 | 1/2" | 9.38 |
| 0953271 | 5/8" | 14.25 |
| 0953272 | 3/4" | 20.21 |
| 0953273 | 1" | 34.75 |

Stainless Steel Rounds

Material is an ASTM A479 304/304L Stainless Steel. Good corrosion resistance, formability and easily welded. 304 is the most commonly used Stainless steel and used in many food, dairy and beverage industries. Supplied in the annealed condition.

3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 47721 | 1/8" | \$2.11 |
| 47722 | 3/16" | 4.07 |
| 47723 | 1/4" | 4.81 |
| 47724 | 5/16" | 7.39 |
| 47725 | 3/8" | 9.35 |
| 47727 | 1/2" | 15.94 |
| 47729 | 5/8" | 25.30 |
| 47730 | 3/4" | 35.82 |
| 47732 | 1" | 63.68 |

6' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953274 | 1/4" | \$9.73 |
| 0953275 | 3/8" | 19.65 |
| 0953276 | 1/2" | 28.38 |
| 0953277 | 5/8" | 44.78 |
| 0953278 | 3/4" | 63.95 |
| 0953279 | 1" | 114.76 |

Plastic Rounds

Material is an Extruded Nylon 6/6. Supplied in the "natural" color it is the most widely used nylon in industry. Nylon weighs nearly 7 times less than steel in the 1" diameter. Low friction, high strength and good toughness. Many uses including; bearings, rollers, fasteners and gears.

3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953243 | 1/2" | \$3.70 |
| 0953244 | 3/4" | 8.78 |
| 0953245 | 1" | 14.00 |

Aluminum Rounds

Material is an ASTM B221 6061 Aluminum. Our aluminum rounds are supplied in the T6511 temper and in the standard Mill finish. 6061 is corrosion resistant, weldable and has good strength while weighing nearly 3 times less than steel. Typical Yield strength is 40,000 psi. Typical hardness is 95 Brinell.

3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953235 | 1/4" | \$2.22 |
| 0953236 | 3/8" | 3.88 |
| 0953237 | 1/2" | 6.46 |
| 0953238 | 5/8" | 9.41 |
| 0953239 | 3/4" | 13.33 |
| 0953240 | 1" | 18.99 |
| 0953241 | 1-1/2" | 40.33 |
| 0953242 | 2" | 70.94 |

6' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953280 | 1/4" | \$3.54 |
| 0953281 | 3/8" | 6.80 |
| 0953282 | 1/2" | 11.86 |
| 0953283 | 5/8" | 16.81 |
| 0953284 | 3/4" | 24.50 |
| 0953285 | 1" | 35.85 |

Round Stock Cont.

Brass Rounds

Material conforms to ASTM B16 C36000. 360 Brass is considered a "free cutting" brass and is supplied cold finished in the 1/2 hard condition. Typical yield strength is 45,000 psi.



3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 47743 | 1/4" | \$6.91 |
| 47745 | 3/8" | 13.61 |
| 47747 | 1/2" | 23.48 |
| 47749 | 5/8" | 36.35 |
| 47750 | 3/4" | 52.00 |
| 47752 | 1" | 89.87 |

Rebar

Material conforms to ASTM A615 Grade 60. Rebar helps to maintain the integrity of concrete and stop cracking. Other materials and sizes available in the "Rebar" section of the catalog.



6' Length

| Part No. | Diameter | Size | Price /Ea |
|----------|----------|------|-----------|
| 0953286 | 3/8" | #3 | \$3.48 |
| 0953287 | 1/2" | #4 | 5.62 |
| 0953288 | 5/8" | #5 | 8.54 |
| 0953289 | 3/4" | #6 | 11.93 |

Hexagon Stock

Low Carbon Hex

Material is an ASTM A108 1018 CRS (cold rolled steel). 1018 has good case hardening properties, easily welded and machinable. Average tensile is 85,000 psi and Brinell is 167 average.



3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953246 | 1/2" | \$9.04 |
| 0953247 | 5/8" | 10.14 |
| 0953248 | 3/4" | 13.93 |
| 0953249 | 1" | 25.55 |

Square Stock

Low Carbon Squares

Material is an ASTM A108 1018 CRS (cold rolled steel). 1018 has good case hardening properties, easily welded and machinable. Average tensile is 85,000 psi and Brinell hardness is 167 average.



3' Length

| Part No. | Diameter | Price /Ea |
|----------|----------|-----------|
| 0953250 | 1/4" | \$3.17 |
| 0953251 | 1/2" | 7.75 |
| 0953252 | 3/4" | 15.99 |
| 0953253 | 1" | 25.88 |

PRE-CUT STOCK

PRE-CUT LENGTHS

Flat Stock

Low Carbon Flats

Material is a low carbon hot rolled steel. A general purpose steel that is easy to form, bend and weld. Parts with a thickness of 1/4" will conform to ASTM A36. Applications include general machinery, agricultural and welded parts.



3' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953254 | 1/8" | 1" | \$4.20 |
| 0953255 | 1/8" | 2" | 6.84 |
| 0953256 | 1/4" | 1" | 5.98 |
| 0953257 | 1/4" | 2" | 10.19 |
| 0953258 | 1/4" | 4" | 17.56 |

6' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953290 | 1/8" | 1" | \$5.52 |
| 0953291 | 1/8" | 2" | 10.64 |
| 0953292 | 1/4" | 1" | 8.92 |
| 0953293 | 1/4" | 2" | 17.04 |
| 0953294 | 1/4" | 4" | 31.19 |

Aluminum Flats

Material is an ASTM B221 6061 Aluminum. Our aluminum flats are supplied in the T6 temper and in the standard Mill finish. 6061 is corrosion resistant, weldable and has good strength while weighing nearly 3 times less than steel. Typical Yield strength is 40,000 psi. Typical hardness is 95 Brinell.



3' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953259 | 1/8" | 1" | \$4.88 |
| 0953260 | 1/8" | 2" | 8.02 |
| 0953261 | 1/4" | 1" | 8.12 |
| 0953262 | 1/4" | 2" | 14.36 |
| 0953263 | 1/4" | 4" | 27.56 |

6' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953295 | 1/8" | 1" | \$8.29 |
| 0953296 | 1/8" | 2" | 14.68 |
| 0953297 | 1/4" | 1" | 14.89 |
| 0953298 | 1/4" | 2" | 27.58 |
| 0953299 | 1/4" | 4" | 54.46 |

Stainless Steel Flats

Material is an ASTM A276 304 Stainless Steel. Good corrosion resistance, formability and easily welded. 304 is the most commonly used Stainless steel and used in many food, dairy and beverage industries. Supplied in annealed condition.



3' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953264 | 1/8" | 1" | \$10.53 |
| 0953265 | 1/8" | 2" | 20.57 |
| 0953266 | 1/4" | 1" | 19.76 |
| 0953267 | 1/4" | 2" | 37.57 |

6' Length

| Part No. | Thickness | Width | Price /Ea |
|----------|-----------|-------|-----------|
| 0953300 | 1/8" | 1" | \$19.41 |
| 0953301 | 1/8" | 2" | 39.21 |
| 0953302 | 1/4" | 1" | 37.58 |
| 0953303 | 1/4" | 2" | 72.63 |

Angle Stock

Low Carbon Angles

Material conforms to ASTM A36. These parts are structural steel and are considered Bar shape angles. Typical uses are in bolted, riveted and welded applications. 36,000 psi min yield. Other sizes and finishes are available in the "Angle" section of the catalog.



6' Length

| Part No. | Leg A | Leg B | Thickness | Price /Ea |
|----------|--------|--------|-----------|-----------|
| 0953304 | 1" | 1" | 1/8" | \$8.41 |
| 0953305 | 1-1/2" | 1-1/2" | 1/8" | 12.38 |
| 0953306 | 2" | 2" | 1/8" | 15.69 |
| 0953307 | 1" | 1" | 1/4" | 15.29 |
| 0953308 | 1-1/2" | 1-1/2" | 1/4" | 23.74 |
| 0953309 | 2" | 2" | 1/4" | 28.68 |
| 0953310 | 3" | 3" | 1/4" | 36.76 |

Aluminum Angles

Material is an ASTM B221 6061 Extruded Aluminum. Our aluminum angles are supplied in the T6 temper and standard Mill finish. 6061 is corrosion resistant, weldable and has good strength. Typical Yield strength is 40,000 psi. Typical hardness is 95 Brinell.



6' Length

| Part No. | Leg A | Leg B | Thickness | Price /Ea |
|----------|--------|--------|-----------|-----------|
| 0953311 | 1" | 1" | 1/8" | \$14.03 |
| 0953312 | 1-1/2" | 1-1/2" | 1/8" | 21.02 |
| 0953313 | 2" | 2" | 1/8" | 28.16 |
| 0953314 | 1-1/2" | 1-1/2" | 1/4" | 39.04 |
| 0953315 | 2" | 2" | 1/4" | 53.13 |
| 0953316 | 3" | 3" | 1/4" | 81.85 |

Channel Stock

Low Carbon Channel

Material conforms to ASTM A36. These parts are structural steel and are considered C-Channels or Standard Channel. Typical uses are in bolted, riveted and welded applications. 36,000 psi min yield. Other sizes and finishes are available in the "Channel" section of the catalog.



6' Length

| Part No. | Leg Length | Width | Thickness | Price /Ea |
|----------|------------|--------|-----------|-----------|
| 0953317 | 3" | 1.41" | .17" | \$38.68 |
| 0953318 | 4" | 1.584" | .184" | 50.49 |
| 0953319 | 5" | 1.75" | .19" | 64.69 |

Tubing Stock

Round Tubes

Material conforms to ASTM A513. Considered ERW (electric resistance welded) low carbon mechanical tubing, it has great forming qualities and good surface quality. OD flash has been removed, some ID flash remains. Tubing 1-1/4" OD and over has a max flash height of .010". ERW has the lowest cost of all mechanical tubing.



6' Length

| Part No. | O.D. | I.D. | Thickness | Gauge | Price /Ea |
|----------|--------|--------|-----------|-------|-----------|
| 0953320 | 1/2" | .402" | .049" | 18 | \$7.25 |
| 0953321 | 1" | .760" | .120" | 11 | 25.31 |
| 0953322 | 1-1/2" | 1.282" | .109" | 12 | 21.52 |
| 0953323 | 2" | 1.782" | .109" | 12 | 29.51 |
| 0953324 | 3" | 2.760" | .120" | 11 | 48.88 |

Square Tubes

Material conforms to ASTM A513 Type 1. Considered ERW (electric resistance welded) low carbon mechanical tubing, it has great forming qualities and good surface quality. OD flash has been removed, some ID flash remains. ERW has the lowest cost of all mechanical tubing.



6' Length

| Part No. | O.D. | Thickness | Gauge | Price /Ea |
|----------|--------|-----------|-------|-----------|
| 0953325 | 1" | .120" | 11 | 16.92 |
| 0953326 | 1-1/2" | .120" | 11 | 25.45 |
| 0953327 | 2" | .120" | 11 | 33.25 |

Rectangular Tubes

Material conforms to ASTM A500 Grade B. Considered ERW (electric resistance welded). Structural tubing, it has a high strength-to-weight ratio. OD flash has been removed, some ID flash remains. ERW has the lowest cost of all mechanical tubing.



6' Length

| Part No. | O.D. | Thickness | Gauge | Price /Ea |
|----------|---------|-----------|-------|-----------|
| 0953328 | 2" x 1" | .120" | 11 | 26.17 |
| 0953329 | 4" x 2" | .120" | 11 | 51.50 |

Round Bars

Round Bars - Steel

- Hot Rolled Material - A36 and 4140 B7 - Standard bar lengths are 20' (240") Random Lengths, or have it "cut to length".
- Cold Drawn Material - 1018, 1045, 12L14, 4140, ETD 150 and Stressproof - Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.
- Note: Stressproof and ETD 150 are a registered Trademark of the LaSalle Steel Co.



BAR STOCK

| Diameter | A36 HR Steel | | 1018 Steel | | 1045 Steel | | 12L14 Steel | | 4140 Steel | | 4140 B7 Steel | | Stressproof™ | | ETD 150 | | Diameter |
|----------|--------------|---------|------------|---------|------------|---------|-------------|---------|------------|---------|---------------|---------|--------------|---------|----------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/8" | | | 0950077 | ^ | | | 0950149 | ^ | | | | | | | | | 1/8" |
| 5/32" | | | | | | | 0952051 | — | | | | | | | | | 5/32" |
| 3/16" | 0999834 | ^ | 0950078 | — | | | 0950150 | — | | | | | | | | | 3/16" |
| 1/4" | 0999833 | — | 0987113 | — | 0987165 | ^ | 0987333 | — | 0987434 | ^ | | | 0951677 | ^ | | | 1/4" |
| 5/16" | 0999832 | — | 0950079 | — | | | 0950151 | — | | | | | 0951678 | — | | | 5/16" |
| 3/8" | 0999831 | — | 0987114 | — | 0987166 | — | 0987334 | — | 0987435 | — | 0987574 | ^ | 0951679 | — | | | 3/8" |
| 7/16" | 0999830 | — | 0950080 | — | | | 0950152 | — | | | | | | | | | 7/16" |
| 1/2" | 0999816 | — | 0987115 | — | 0987167 | — | 0987335 | — | 0987436 | — | 0987575 | — | 0951680 | — | 0952110 | ^ | 1/2" |
| 9/16" | 0999815 | — | 0950081 | — | | | 0950153 | — | | | | | | | | | 9/16" |
| 5/8" | 0999814 | — | 0987116 | — | 0987168 | — | 0987336 | — | 0987437 | — | 0987576 | — | 0951681 | — | 0952111 | — | 5/8" |
| 11/16" | | | 0950110 | — | | | 0950154 | — | | | | | | | | | 11/16" |
| 3/4" | 0999813 | — | 0987117 | — | 0987169 | — | 0987337 | — | 0987438 | — | 0987577 | — | 0951682 | — | 0952112 | — | 3/4" |
| 13/16" | | | 0950111 | — | | | 0950155 | — | | | | | | | | | 13/16" |
| 7/8" | 0999812 | — | 0987118 | — | 0987170 | — | 0987338 | — | 0987439 | — | 0987578 | — | 0951683 | — | 0952113 | — | 7/8" |
| 15/16" | | | 0950112 | — | | | 0950156 | — | | | | | | | | | 15/16" |
| 1" | 0999811 | — | 0987119 | — | 0987171 | — | 0987339 | — | 0987440 | — | 0987579 | — | 0951684 | — | 0952114 | — | 1" |
| 1-1/16" | | | 0950113 | — | | | 0950157 | — | | | | | | | | | 1-1/16" |
| 1-1/8" | 0999810 | — | 0987120 | — | 0987172 | — | 0987340 | — | 0987441 | — | 0987580 | — | 0951685 | — | 0952115 | — | 1-1/8" |
| 1-3/16" | | | 0950114 | — | | | 0950158 | — | | | | | | | | | 1-3/16" |
| 1-1/4" | 0999809 | — | 0987121 | — | 0987173 | — | 0987341 | — | 0987442 | — | 0987581 | — | 0951686 | — | 0952116 | — | 1-1/4" |
| 1-5/16" | | | 0950115 | — | | | 0950159 | — | | | | | | | | | 1-5/16" |
| 1-3/8" | 0999808 | — | 0987122 | — | 0987174 | — | 0987342 | — | 0987443 | — | 0987582 | — | 0951687 | — | 0952117 | — | 1-3/8" |
| 1-7/16" | | | 0950116 | — | | | 0950160 | — | | | | | | | | | 1-7/16" |
| 1-1/2" | 0999807 | — | 0987123 | — | 0987175 | — | 0987343 | — | 0987444 | — | 0987583 | — | 0951688 | — | 0952118 | — | 1-1/2" |
| 1-9/16" | | | 0950117 | — | | | | — | | | | | | | | | 1-9/16" |
| 1-5/8" | | | 0987124 | — | 0987176 | — | 0987344 | — | 0987445 | — | 0987584 | — | 0951689 | — | | | 1-5/8" |
| 1-11/16" | | | 0950118 | — | | | | — | | | | | | | | | 1-11/16" |
| 1-3/4" | 0999806 | — | 0987125 | — | 0987177 | — | 0987345 | — | 0987446 | — | 0987585 | — | 0951690 | — | 0952119 | — | 1-3/4" |
| 1-13/16" | | | 0950119 | — | | | | — | | | | | | | | | 1-13/16" |
| 1-7/8" | | | 0987126 | — | 0987178 | — | 0987346 | — | 0987447 | — | 0987586 | — | 0951691 | — | | | 1-7/8" |
| 1-15/16" | | | 0950120 | — | | | | — | | | | | | | | | 1-15/16" |
| 2" | 0999805 | — | 0987127 | — | 0987179 | — | 0987347 | — | 0987448 | — | 0987587 | — | 0951692 | — | 0952120 | — | 2" |
| 2-1/16" | | | 0950121 | — | | | | — | | | | | | | | | 2-1/16" |
| 2-1/8" | | | 0987128 | — | 0987180 | — | 0987348 | — | 0987449 | — | 0987588 | — | 0951693 | — | | | 2-1/8" |
| 2-3/16" | | | 0950122 | — | | | | — | | | | | | | | | 2-3/16" |
| 2-1/4" | 0999804 | — | 0987129 | — | 0987181 | — | 0987349 | — | 0987450 | — | 0987589 | — | 0951694 | — | 0952121 | — | 2-1/4" |
| 2-5/16" | | | 0950123 | — | | | | — | | | | | | | | | 2-5/16" |
| 2-3/8" | | | 0987130 | — | 0987182 | — | 0987350 | — | 0987451 | — | 0987590 | — | 0951695 | — | | | 2-3/8" |
| 2-7/16" | | | 0950124 | — | | | | — | | | | | | | | | 2-7/16" |
| 2-1/2" | 0999803 | — | 0987131 | — | 0987183 | — | 0987351 | — | 0987452 | — | 0987591 | — | 0951696 | — | 0952122 | — | 2-1/2" |
| 2-5/8" | | | 0987132 | — | 0987184 | — | 0987352 | — | 0987453 | — | 0987592 | — | 0951697 | — | | | 2-5/8" |
| 2-3/4" | | | 0987133 | — | 0987185 | — | 0987353 | — | 0987454 | — | 0987593 | — | 0951698 | — | | | 2-3/4" |
| 2-7/8" | | | 0987134 | — | 0987186 | — | 0987354 | — | 0987455 | — | 0987594 | — | 0951699 | — | | | 2-7/8" |
| 3" | 0999802 | — | 0987135 | — | 0987187 | — | 0987355 | — | 0987456 | — | 0987595 | — | 0951700 | — | 0952123 | — | 3" |
| 3-1/8" | | | 0987136 | — | 0987188 | — | 0987356 | — | 0987457 | — | 0987596 | — | 0951701 | — | | | 3-1/8" |
| 3-1/4" | | | 0987137 | — | 0987189 | — | 0987357 | — | 0987458 | — | 0987597 | — | 0951702 | — | | | 3-1/4" |
| 3-3/8" | | | 0987138 | — | | | 0987358 | — | 0987459 | — | 0987598 | — | 0951703 | — | | | 3-3/8" |
| 3-1/2" | | | 0987139 | — | 0987190 | — | 0987359 | — | 0987460 | — | 0987599 | — | 0951704 | — | | | 3-1/2" |
| 3-5/8" | | | 0987140 | — | 0987191 | — | 0987360 | — | 0987461 | — | | | 0951705 | — | | | 3-5/8" |
| 3-3/4" | | | 0987141 | — | 0987192 | — | 0987361 | — | 0987462 | — | 0987600 | — | 0951706 | — | | | 3-3/4" |
| 3-7/8" | | | 0987142 | — | | | 0987362 | — | 0987463 | — | | | 0951707 | — | | | 3-7/8" |
| 4" | | | 0987143 | — | 0987193 | — | 0987363 | — | 0987464 | — | 0987601 | — | 0951708 | — | | | 4" |
| 4-1/4" | | | 0950125 | — | 0950142 | — | 0950161 | — | | | | | 0951709 | — | | | 4-1/4" |
| 4-1/2" | | | 0950126 | — | 0950143 | — | 0950162 | — | 0950167 | — | | | 0951710 | — | | | 4-1/2" |
| 4-3/4" | | | 0950127 | — | 0950144 | — | 0950163 | — | | | | | 0951711 | — | | | 4-3/4" |
| 5" | | | 0950128 | — | 0950145 | — | 0950164 | — | 0950168 | — | | | | | | | 5" |
| 5-1/4" | | | 0950129 | — | | | | — | | | | | | | | | 5-1/4" |
| 5-1/2" | | | 0950130 | — | 0950146 | — | 0950165 | — | 0950169 | — | | | | | | | 5-1/2" |
| 5-3/4" | | | 0950131 | — | | | | — | | | | | | | | | 5-3/4" |
| 6" | | | 0950132 | — | 0950147 | — | 0950166 | — | 0950170 | — | | | | | | | 6" |
| 6-1/2" | | | 0950133 | — | | | | — | | | | | | | | | 6-1/2" |
| 7" | | | 0950134 | — | | | | — | | | | | | | | | 7" |
| 7-1/2" | | | 0950135 | — | | | | — | | | | | | | | | 7-1/2" |
| 8" | | | 0950136 | — | | | | — | | | | | | | | | 8" |
| 8-1/2" | | | 0950137 | — | | | | — | | | | | | | | | 8-1/2" |
| 9" | | | 0950138 | — | | | | — | | | | | | | | | 9" |
| 10" | | | 0950139 | — | | | | — | | | | | | | | | 10" |
| 11" | | | 0950140 | — | | | | — | | | | | | | | | 11" |
| 12" | | | 0950141 | — | | | | — | | | | | | | | | 12" |

ROUND BARS

Round Bars Cont.

Round Bars - Stainless Steel

- Standard bar lengths for all grades are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



BAR STOCK

| Diameter | 303 SS | | 304 SS | | 316 SS | | 17-4 PH SS | | 17-4 SS H1150 | | 416 SS | | Diameter |
|----------|----------|---------|----------|---------|----------|---------|------------|---------|---------------|---------|----------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 3/32" | 0992262 | — | | | | | | | | | | | 3/32" |
| 1/8" | 0992263 | — | 0992443 | — | 0992669 | — | | | | | 0992913 | — | 1/8" |
| 5/32" | 0992264 | — | | | | | | | | | 0992914 | — | 5/32" |
| 3/16" | 0992265 | — | 0992444 | — | 0992670 | — | | | 0993098 | — | 0992915 | — | 3/16" |
| 7/32" | 0992266 | — | | | | | | | | | 0992917 | — | 7/32" |
| 1/4" | 0992267 | — | 0992445 | — | 0992671 | — | 0950214 | — | 0993099 | — | 0992916 | — | 1/4" |
| 5/16" | 0992268 | — | 0992446 | — | 0992672 | — | | | 0993100 | — | 0992918 | — | 5/16" |
| 3/8" | 0992269 | — | 0992447 | — | 0992673 | — | 0950215 | — | 0993101 | — | 0992919 | — | 3/8" |
| 7/16" | 0992270 | — | 0992448 | — | 0992674 | — | | | 0993102 | — | 0992920 | — | 7/16" |
| 1/2" | 0992271 | — | 0992449 | — | 0992675 | — | 0993182 | — | 0993103 | — | 0992921 | — | 1/2" |
| 9/16" | 0992272 | — | 0992450 | — | 0992676 | — | | | 0993104 | — | 0992922 | — | 9/16" |
| 5/8" | 0992273 | — | 0992451 | — | 0992677 | — | | | 0993105 | — | 0992923 | — | 5/8" |
| 11/16" | 0992274 | — | 0992452 | — | 0992678 | — | | | 0993106 | — | 0992924 | — | 11/16" |
| 3/4" | 0992275 | — | 0992453 | — | 0992679 | — | 0993183 | — | 0993107 | — | 0992925 | — | 3/4" |
| 13/16" | 0992276 | — | 0992454 | — | 0992680 | — | | | 0993108 | — | 0992926 | — | 13/16" |
| 7/8" | 0992277 | — | 0992455 | — | 0992681 | — | 0993184 | — | 0993109 | — | 0992927 | — | 7/8" |
| 15/16" | 0992278 | — | 0992456 | — | 0992682 | — | | | 0993110 | — | 0992928 | — | 15/16" |
| 1" | 0992279 | — | 0992457 | — | 0992683 | — | 0993185 | — | 0993111 | — | 0992929 | — | 1" |
| 1-1/16" | 0992280 | — | 0992458 | — | 0992684 | — | | | | | 0992930 | — | 1-1/16" |
| 1-1/8" | 0992281 | — | 0992459 | — | 0992685 | — | 0993186 | — | 0993113 | — | 0992931 | — | 1-1/8" |
| 1-3/16" | 0992282 | — | 0992460 | — | 0992686 | — | | | | | 0992932 | — | 1-3/16" |
| 1-1/4" | 0992283 | — | 0992461 | — | 0992687 | — | 0993187 | — | 0993115 | — | 0992933 | — | 1-1/4" |
| 1-5/16" | 0992284 | — | 0992462 | — | 0992688 | — | | | | | 0992934 | — | 1-5/16" |
| 1-3/8" | 0992285 | — | 0992463 | — | 0992689 | — | 0993188 | — | 0993117 | — | 0992935 | — | 1-3/8" |
| 1-7/16" | 0992286 | — | 0992464 | — | 0992690 | — | | | | | 0992936 | — | 1-7/16" |
| 1-1/2" | 0992287 | — | 0992465 | — | 0992691 | — | 0993189 | — | 0993119 | — | 0992937 | — | 1-1/2" |
| 1-9/16" | 0992288 | — | 0992466 | — | 0992692 | — | | | | | 0992938 | — | 1-9/16" |
| 1-5/8" | 0992289 | — | 0992467 | — | 0992693 | — | 0993190 | — | 0993121 | — | 0992939 | — | 1-5/8" |
| 1-11/16" | 0992290 | — | 0992468 | — | 0992694 | — | | | | | 0992940 | — | 1-11/16" |
| 1-3/4" | 0992291 | — | 0992469 | — | 0992695 | — | 0993191 | — | 0993123 | — | 0992941 | — | 1-3/4" |
| 1-13/16" | 0992292 | — | | | | | | | | | | | 1-13/16" |
| 1-7/8" | 0992293 | — | 0992470 | — | 0992696 | — | 0993192 | — | 0993125 | — | 0992943 | — | 1-7/8" |
| 1-15/16" | 0992294 | — | 0992471 | — | 0992697 | — | | | | | 0992944 | — | 1-15/16" |
| 2" | 0992295 | — | 0992472 | — | 0992698 | — | 0993193 | — | 0993127 | — | 0992945 | — | 2" |
| 2-1/8" | 0992296 | — | 0992473 | — | 0992699 | — | 0993194 | — | 0993128 | — | 0992946 | — | 2-1/8" |
| 2-1/4" | 0992297 | — | 0992474 | — | 0992700 | — | 0993195 | — | 0993129 | — | 0992947 | — | 2-1/4" |
| 2-3/8" | 0992298 | — | 0992475 | — | 0992701 | — | | | 0993130 | — | 0992948 | — | 2-3/8" |
| 2-1/2" | 0992299 | — | 0992476 | — | 0992702 | — | 0993196 | — | 0993131 | — | 0992949 | — | 2-1/2" |
| 2-5/8" | 0992300 | — | 0992477 | — | 0992703 | — | | | | | 0992950 | — | 2-5/8" |
| 2-3/4" | 0992301 | — | 0992478 | — | 0992704 | — | 0993197 | — | 0993133 | — | 0992951 | — | 2-3/4" |
| 2-7/8" | 0992302 | — | 0992479 | — | 0992705 | — | | | 0993134 | — | 0992952 | — | 2-7/8" |
| 3" | 0992303 | — | 0992480 | — | 0992706 | — | 0993198 | — | 0993135 | — | 0992953 | — | 3" |
| 3-1/8" | 0992304 | — | 0992481 | — | 0992707 | — | | | | | 0992954 | — | 3-1/8" |
| 3-1/4" | 0992305 | — | 0992482 | — | 0992708 | — | 0993199 | — | 0993137 | — | 0992955 | — | 3-1/4" |
| 3-3/8" | 0992306 | — | 0950179 | — | 0992709 | — | | | | | | | 3-3/8" |
| 3-1/2" | 0992307 | — | 0992483 | — | 0992710 | — | 0993200 | — | 0993139 | — | 0992956 | — | 3-1/2" |
| 3-5/8" | 0992308 | — | 0992484 | — | 0992711 | — | | | | | | | 3-5/8" |
| 3-3/4" | 0950172 | — | 0992485 | — | 0992712 | — | | | 0993141 | — | 0992957 | — | 3-3/4" |
| 3-7/8" | 0992309 | — | | | 0992713 | — | | | | | | | 3-7/8" |
| 4" | 0992310 | — | 0992486 | — | 0992714 | — | 0993201 | — | 0993143 | — | 0992958 | — | 4" |
| 4-1/4" | 0950173 | — | 0950180 | — | 0950197 | — | | | | | | | 4-1/4" |
| 4-1/2" | 0950174 | — | 0950181 | — | 0950082 | — | | | | | | | 4-1/2" |
| 4-3/4" | 0950175 | — | 0950182 | — | 0950199 | — | | | | | | | 4-3/4" |
| 5" | 0950176 | — | 0950183 | — | 0950200 | — | | | | | 0950216 | — | 5" |
| 5-1/4" | | — | 0950184 | — | 0950201 | — | | | | | | | 5-1/4" |
| 5-1/2" | 0950177 | — | 0950185 | — | 0950202 | — | | | | | | | 5-1/2" |
| 5-3/4" | | — | 0950186 | — | 0950203 | — | | | | | | | 5-3/4" |
| 6" | 0950178 | — | 0950187 | — | 0950204 | — | | | | | 0950217 | — | 6" |
| 6-1/2" | | — | 0950188 | — | 0950205 | — | | | | | | | 6-1/2" |
| 7" | | — | 0950189 | — | 0950206 | — | | | | | | | 7" |
| 7-1/2" | | — | 0950190 | — | 0950207 | — | | | | | | | 7-1/2" |
| 8" | | — | 0950191 | — | 0950208 | — | | | | | | | 8" |
| 8-1/2" | | — | 0950192 | — | 0950209 | — | | | | | | | 8-1/2" |
| 9" | | — | 0950193 | — | 0950210 | — | | | | | | | 9" |
| 9-1/2" | | — | 0950194 | — | 0950211 | — | | | | | | | 9-1/2" |
| 10" | | — | 0950195 | — | 0950212 | — | | | | | | | 10" |
| 12" | | — | 0950196 | — | 0950213 | — | | | | | | | 12" |

ROUND BARS

Round Bars Cont.

Round Bars - Aluminum, Brass, & Copper

- Standard bar lengths for all grades are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



BAR STOCK

| Diameter | 2024 Alum | | 6061 Alum | | 7075 Alum | | 360 Brass | | 464 Naval Brass | | 110 Copper | | Diameter |
|----------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------------|---------|------------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/8" | | | 0984268 | ^ | | | 0986696 | ^ | | | 0952069 | ^ | 1/8" |
| 5/32" | | | | | | | 0986697 | — | | | | | 5/32" |
| 3/16" | | | 0984269 | — | | | 0986698 | — | 0986845 | ^ | 0952070 | — | 3/16" |
| 7/32" | | | | | | | 0986699 | — | | | | | 7/32" |
| 1/4" | 0984047 | ^ | 0984270 | — | | | 0986700 | — | 0986846 | — | 0952071 | — | 1/4" |
| 9/32" | | | | | | | 0986701 | — | | | | | 9/32" |
| 5/16" | 0950218 | — | 0984271 | — | | | 0986702 | — | 0986847 | — | 0952072 | — | 5/16" |
| 11/32" | | | | | | | 0986703 | — | | | | | 11/32" |
| 3/8" | 0984048 | — | 0984272 | — | | | 0986704 | — | 0986848 | — | 0952073 | — | 3/8" |
| 13/32" | | | | | | | 0986705 | — | | | | | 13/32" |
| 7/16" | | | 0984273 | — | | | 0986706 | — | 0986849 | — | 0952074 | — | 7/16" |
| 15/32" | | | | | | | 0986707 | — | | | | | 15/32" |
| 1/2" | 0984049 | — | 0984274 | — | | | 0986708 | — | 0986850 | — | 0952075 | — | 1/2" |
| 17/32" | | | | | | | 0986709 | — | | | | | 17/32" |
| 9/16" | | | | | | | 0986710 | — | 0986851 | — | 0952076 | — | 9/16" |
| 5/8" | 0984050 | — | 0984275 | — | 0984561 | ^ | 0986711 | 5 | 0986852 | — | 0952077 | — | 5/8" |
| 21/32" | | | | | | | 0986712 | — | | | | | 21/32" |
| 23/32" | | | | | | | 0986713 | — | | | | | 23/32" |
| 3/4" | 0984051 | — | 0984276 | — | 0984562 | — | 0986714 | 3/4 | 0986853 | — | 0952078 | — | 3/4" |
| 25/32" | | | | | | | 0986715 | — | | | | | 25/32" |
| 7/8" | 0984052 | — | 0984277 | — | 0984563 | — | 0986716 | — | 0986854 | — | 0952079 | — | 7/8" |
| 1" | 0984053 | — | 0984278 | — | 0984564 | — | 0986717 | — | 0986855 | — | 0952080 | — | 1" |
| 1-1/8" | 0984054 | — | 0984279 | — | 0984565 | — | 0986718 | — | | | 0952081 | — | 1-1/8" |
| 1-1/4" | 0984055 | — | 0984280 | — | 0984566 | — | 0986719 | — | 0986856 | — | 0952082 | — | 1-1/4" |
| 1-3/8" | 0984056 | — | 0984281 | — | 0984567 | — | 0986720 | — | | | 0952083 | — | 1-3/8" |
| 1-1/2" | 0984057 | — | 0984282 | — | 0984568 | — | 0986721 | — | 0986857 | — | 0952084 | — | 1-1/2" |
| 1-5/8" | 0984058 | — | 0984283 | — | 0984569 | — | 0986722 | — | | | 0952085 | — | 1-5/8" |
| 1-3/4" | 0984059 | — | 0984284 | — | 0984570 | — | 0986723 | — | | | 0952086 | — | 1-3/4" |
| 1-7/8" | 0984060 | — | 0950225 | — | 0984571 | — | | | | | 0952087 | — | 1-7/8" |
| 2" | 0984061 | — | 0984285 | — | 0984572 | — | 0986724 | — | 0986858 | — | 0952088 | — | 2" |
| 2-1/8" | 0984062 | — | 0984286 | — | 0984573 | — | | | | | | | 2-1/8" |
| 2-1/4" | 0984063 | — | 0984287 | — | 0984574 | — | 0950240 | — | | | 0952089 | — | 2-1/4" |
| 2-3/8" | 0984064 | — | | | 0984575 | — | | | | | | | 2-3/8" |
| 2-1/2" | 0984065 | — | 0984288 | — | 0984576 | — | 0950241 | — | | | 0952090 | — | 2-1/2" |
| 2-5/8" | 0984066 | — | | | 0984577 | — | | | | | | | 2-5/8" |
| 2-3/4" | 0984067 | — | 0984289 | — | 0984578 | — | 0950242 | — | | | 0952091 | — | 2-3/4" |
| 2-7/8" | 0984068 | — | | | | | | | | | | | 2-7/8" |
| 3" | 0984069 | — | 0984290 | — | 0984579 | — | 0986726 | — | | | 0952092 | — | 3" |
| 3-1/8" | 0984070 | — | 0984291 | — | | | | | | | | | 3-1/8" |
| 3-1/4" | 0984071 | — | 0984292 | — | 0984580 | — | | | | | | | 3-1/4" |
| 3-3/8" | 0984072 | — | | | | | | | | | | | 3-3/8" |
| 3-1/2" | 0984073 | — | 0984293 | — | 0984581 | — | 0950243 | — | | | | | 3-1/2" |
| 3-3/4" | 0950219 | — | 0984294 | — | 0984582 | — | | | | | | | 3-3/4" |
| 4" | 0950220 | — | 0984295 | — | 0984583 | — | 0986727 | — | | | | | 4" |
| 4-1/4" | | | 0999854 | — | | | | | | | | | 4-1/4" |
| 4-1/2" | 0950221 | — | 0950226 | — | | | 0950244 | — | | | | | 4-1/2" |
| 4-3/4" | | | 0950227 | — | | | | | | | | | 4-3/4" |
| 5" | 0950222 | — | 0950228 | — | | | 0950245 | — | | | | | 5" |
| 5-1/4" | | | 0950229 | — | | | | | | | | | 5-1/4" |
| 5-1/2" | 0950223 | — | 0950230 | — | | | | | | | | | 5-1/2" |
| 5-3/4" | | | 0950231 | — | | | | | | | | | 5-3/4" |
| 6" | 0950224 | — | 0950232 | — | | | 0986728 | — | | | | | 6" |
| 6-1/2" | | | 0950233 | — | | | | | | | | | 6-1/2" |
| 7" | | | 0950234 | — | | | | | | | | | 7" |
| 7-1/2" | | | 0950235 | — | | | | | | | | | 7-1/2" |
| 8" | | | 0950236 | — | | | | | | | | | 8" |
| 9" | | | 0950237 | — | | | | | | | | | 9" |
| 10" | | | 0950238 | — | | | | | | | | | 10" |
| 12" | | | 0950239 | — | | | | | | | | | 12" |

ROUND BARS, REBAR

Round Bars Cont.

Plastic Rods

- Nylon 101 and Delrin - Standard stock lengths are 8-10' Random, or have it "cut to length".
- Virgin Teflon - Standard stock lengths are 6' (72"), or have it "cut to length".
- UHMW - Standard stock lengths are 10' (120"), or have it "cut to length".



BAR STOCK

| Diameter | Nylon 101 | | Delrin | | Virgin Teflon | | UHMW | | Diameter |
|----------|-----------|---------|----------|---------|---------------|---------|----------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/4" | 0951211 | ^ | 0951229 | ^ | 0951238 | ^ | 0951256 | ^ | 1/4" |
| 3/8" | 0951212 | — | 0951230 | — | 0951239 | — | 0951257 | — | 3/8" |
| 1/2" | 0951213 | — | 0951231 | — | 0951240 | — | 0951258 | — | 1/2" |
| 5/8" | 0951214 | — | 0951232 | — | 0951241 | — | | | 5/8" |
| 3/4" | 0951215 | — | 0951233 | — | 0951242 | — | 0951259 | — | 3/4" |
| 1" | 0951216 | — | 0951234 | — | 0951243 | — | 0951260 | — | 1" |
| 1-1/4" | | | | | | | 0951261 | — | 1-1/4" |
| 1-1/2" | 0951217 | — | 0951235 | — | 0951244 | — | 0951262 | — | 1-1/2" |
| 2" | 0951218 | — | 0951236 | — | 0951245 | — | 0951263 | — | 2" |
| 2-1/2" | | | | | | | 0951264 | — | 2-1/2" |
| 3" | 0951219 | — | 0951237 | — | 0951246 | — | 0951265 | — | 3" |

Other plastic shapes and materials available upon request.

Rebar

Grade 60

Steel reinforcing bars help maintain integrity of concrete and stop cracking. Conforms to ASTM A615. Steel Rebar comes in 20' Random Lengths, or have it "cut to length".



| Part No. | Diameter | Size | UOM /In |
|----------|----------|------|---------|
| 0999868 | 3/8" | #3 | ^ |
| 0999867 | 1/2" | #4 | — |
| 0999866 | 5/8" | #5 | — |
| 0999865 | 3/4" | #6 | — |
| 0999864 | 7/8" | #7 | — |
| 0999863 | 1" | #8 | — |
| 0999862 | 1-1/8" | #9 | — |
| 0999861 | 1-1/4" | #10 | — |
| 0999860 | 1-1/2" | #11 | — |

316 LN Stainless Steel

A non-magnetic stainless steel that is non-corrosive and doesn't need coatings or treatments. Meets ASTM A955M specifications. Sold per Inch so you can order only what you need.

| Part No. | Diameter | Size | UOM /In |
|----------|----------|------|---------|
| 0952033 | 3/8" | #3 | ^ |
| 0952034 | 1/2" | #4 | — |
| 0952035 | 5/8" | #5 | — |
| 0952036 | 3/4" | #6 | — |
| 0952037 | 7/8" | #7 | — |
| 0952038 | 1" | #8 | — |
| 0952039 | 1-1/8" | #9 | — |
| 0952040 | 1-1/4" | #10 | — |
| 0952041 | 1-1/2" | #11 | — |

2205 Stainless Steel

Stainless steel Rebar used in decks, retaining walls, piers and sidewalks. Non-corrosive and sold per inch.

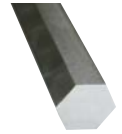
| Part No. | Diameter | Size | UOM /In |
|----------|----------|------|---------|
| 0952042 | 3/8" | #3 | ^ |
| 0952043 | 1/2" | #4 | — |
| 0952044 | 5/8" | #5 | — |
| 0952045 | 3/4" | #6 | — |
| 0952046 | 7/8" | #7 | — |
| 0952047 | 1" | #8 | — |
| 0952048 | 1-1/8" | #9 | — |
| 0952049 | 1-1/4" | #10 | — |
| 0952050 | 1-1/2" | #11 | — |

HEXAGONAL BARS

Hexagonal Bars

Hexagonal Bars - Steel & Stainless Steel

- Cold Drawn Material - 1018 Steel, 12L14 Steel and 4140 Steel - Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Stainless Steel - Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.

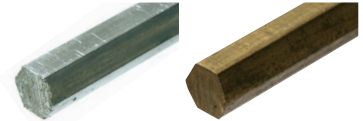


BAR STOCK

| Diameter | 1018 Steel | | 12L14 Steel | | 4140 Steel | | 303 SS | | 304 SS | | 316 SS | | Diameter |
|----------|------------|---------|-------------|---------|------------|---------|----------|---------|----------|---------|----------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/8" | | | | | | | 0950246 | ^ | | | | | 1/8" |
| 3/16" | | | 0950248 | ^ | | | 0992323 | — | | | | | 3/16" |
| 1/4" | 0987144 | ^ | 0987381 | — | | | 0992324 | — | | | | | 1/4" |
| 5/16" | 0987145 | — | 0987382 | — | | | 0992325 | — | | | | | 5/16" |
| 3/8" | 0987146 | — | 0987383 | — | | | 0992326 | — | 0992525 | ^ | | | 3/8" |
| 7/16" | 0951718 | — | 0987384 | — | 0987602 | ^ | 0992327 | — | 0992526 | — | 0992738 | ^ | 7/16" |
| 1/2" | 0987147 | — | 0987385 | — | 0987603 | — | 0992328 | — | 0992527 | — | 0992739 | — | 1/2" |
| 9/16" | | | | | | | 0992329 | — | 0992528 | — | 0992740 | — | 9/16" |
| 5/8" | 0987148 | — | 0987386 | — | 0987604 | — | 0992330 | 5 | 0992529 | — | 0992741 | — | 5/8" |
| 11/16" | | | | | | | 0992331 | — | 0992530 | — | 0992742 | — | 11/16" |
| 3/4" | 0987149 | — | 0987387 | — | 0987605 | — | 0992332 | — | 0992531 | — | 0992743 | — | 3/4" |
| 13/16" | | | | | | | 0992333 | — | 0992532 | — | 0992744 | — | 13/16" |
| 7/8" | 0987150 | — | 0987388 | — | 0987606 | — | 0992334 | — | 0992533 | — | 0992745 | — | 7/8" |
| 15/16" | | | | | | | 0992335 | — | 0992534 | — | 0992746 | — | 15/16" |
| 1" | 0987151 | — | 0987389 | — | 0987607 | — | 0992336 | — | 0992535 | — | 0992747 | — | 1" |
| 1-1/16" | | | | | | | 0992337 | — | 0950247 | — | 0992748 | — | 1-1/16" |
| 1-1/8" | | | | | 0987608 | — | 0992338 | — | 0992536 | — | 0992749 | — | 1-1/8" |
| 1-1/4" | 0987152 | — | 0987390 | — | 0987609 | — | 0992339 | — | 0992537 | — | 0992750 | — | 1-1/4" |
| 1-5/16" | | | | | | | 0992340 | — | | | 0992751 | — | 1-5/16" |
| 1-3/8" | | | 0987391 | — | 0987610 | — | 0992341 | — | 0992538 | — | 0992752 | — | 1-3/8" |
| 1-1/2" | 0987153 | — | 0987392 | — | 0987611 | — | 0992342 | — | 0992539 | — | 0992753 | — | 1-1/2" |
| 1-5/8" | | | | | | | 0992343 | — | 0992540 | — | 0992754 | — | 1-5/8" |
| 1-3/4" | | | 0987393 | — | 0987612 | — | 0992344 | — | 0992541 | — | 0992755 | — | 1-3/4" |
| 2" | | | 0987394 | — | 0987613 | — | 0992345 | — | 0992542 | — | 0992756 | — | 2" |
| 2-1/4" | | | | | | | 0992346 | — | 0992543 | — | 0992757 | — | 2-1/4" |
| 2-3/8" | | | | | | | 0992347 | — | | | 0992758 | — | 2-3/8" |
| 2-1/2" | | | 0950249 | — | | | 0992348 | — | 0992544 | — | 0992759 | — | 2-1/2" |
| 2-3/4" | | | | | | | 0992349 | — | | | | | 2-3/4" |
| 3" | | | 0950250 | — | | | 0992350 | — | 0992545 | — | | | 3" |

Hexagonal Bars - Aluminum & Brass

- Standard bar lengths for all grades are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Diameter | 2024 Alum | | 6061 Alum | | 360 Brass | | Diameter |
|----------|-----------|---------|-----------|---------|-----------|---------|----------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/8" | | | | | 0950253 | ^ | 1/8" |
| 3/16" | | | | | 0986675 | — | 3/16" |
| 1/4" | 0984089 | ^ | 0984319 | ^ | 0986676 | — | 1/4" |
| 5/16" | | | | | 0986677 | — | 5/16" |
| 3/8" | | | 0984320 | — | 0986678 | — | 3/8" |
| 7/16" | | | | | 0986679 | — | 7/16" |
| 1/2" | 0984090 | — | 0950252 | — | 0986680 | — | 1/2" |
| 9/16" | | | | | 0986681 | — | 9/16" |
| 5/8" | 0950251 | — | 0984321 | — | 0986682 | — | 5/8" |
| 3/4" | 0984091 | — | 0984322 | — | 0986683 | — | 3/4" |
| 7/8" | 0984092 | — | 0984323 | — | 0986684 | — | 7/8" |
| 1" | 0984093 | — | 0984324 | — | 0986685 | — | 1" |
| 1-1/8" | 0984094 | — | 0984325 | — | 0986686 | — | 1-1/8" |
| 1-1/4" | 0984095 | — | 0984326 | — | 0986687 | — | 1-1/4" |
| 1-3/8" | 0984096 | — | | | 0986688 | — | 1-3/8" |
| 1-1/2" | 0984097 | — | 0984327 | — | 0986689 | — | 1-1/2" |
| 1-5/8" | 0984098 | — | | | 0986690 | — | 1-5/8" |
| 1-3/4" | 0984099 | — | 0984328 | — | 0986691 | — | 1-3/4" |
| 2" | 0984100 | — | 0984329 | — | 0986692 | — | 2" |
| 2-1/4" | | | | | 0986693 | — | 2-1/4" |
| 2-1/2" | | | | | 0986694 | — | 2-1/2" |
| 3" | | | | | 0986695 | — | 3" |

SQUARE BARS

Square Bars

Square Bars - Aluminum and Stainless Steel

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



BAR STOCK

| Size | 2024 Alum | | 6061 Alum | | 303 SS | | 304 SS | | 316 SS | | Size |
|--------|-----------|---------|-----------|---------|----------|---------|----------|---------|----------|---------|--------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 3/16" | | | | | 0992351 | ^ | | | 0992760 | ^ | 3/16" |
| 1/4" | 0984101 | ^ | 0984330 | ^ | 0992352 | — | 0992546 | ^ | 0992761 | — | 1/4" |
| 5/16" | | | | | 0992353 | — | | | 0992762 | — | 5/16" |
| 3/8" | 0984102 | — | 0984331 | — | 0992354 | — | 0992547 | — | 0992763 | — | 3/8" |
| 7/16" | | | | | 0992355 | — | | | 0992764 | — | 7/16" |
| 1/2" | 0984103 | — | 0984332 | — | 0992356 | — | 0992548 | — | 0992765 | — | 1/2" |
| 9/16" | | | | | 0992357 | — | | | 0992766 | — | 9/16" |
| 5/8" | 0984104 | — | 0984333 | — | 0992358 | — | 0992549 | — | 0992767 | — | 5/8" |
| 3/4" | 0984105 | — | 0984334 | — | 0992359 | — | 0992550 | — | 0992768 | — | 3/4" |
| 7/8" | | | | | 0992360 | — | 0992551 | — | 0992769 | — | 7/8" |
| 1" | 0984106 | — | 0984336 | — | 0992361 | — | 0992552 | — | 0992770 | — | 1" |
| 1-1/8" | 0984107 | — | | | 0992362 | — | | | 0992771 | — | 1-1/8" |
| 1-1/4" | 0950258 | — | 0984337 | — | 0992363 | — | 0992553 | — | 0992772 | — | 1-1/4" |
| 1-3/8" | | | | | 0992364 | — | | | | | 1-3/8" |
| 1-1/2" | 0984108 | — | 0984338 | — | 0992365 | — | 0992554 | — | 0992773 | — | 1-1/2" |
| 1-5/8" | | | 0984339 | — | 0992366 | — | | | | | 1-5/8" |
| 1-3/4" | 0984109 | — | 0984340 | — | 0992367 | — | 0950260 | — | 0992774 | — | 1-3/4" |
| 2" | 0984110 | — | 0984341 | — | 0992368 | — | 0992555 | — | 0992775 | — | 2" |
| 2-1/4" | 0984111 | — | 0984342 | — | | | | | | | 2-1/4" |
| 2-1/2" | 0984112 | — | 0984343 | — | | | 0950261 | — | 0992776 | — | 2-1/2" |
| 2-3/4" | | | 0984344 | — | | | | | | | 2-3/4" |
| 3" | 0984113 | — | 0984345 | — | | | 0950262 | — | 0950263 | — | 3" |
| 3-1/4" | | | 0984346 | — | | | | | | | 3-1/4" |
| 3-1/2" | 0984114 | — | 0984347 | — | | | | | | | 3-1/2" |
| 4" | 0984115 | — | 0984348 | — | | | | | | | 4" |
| 5" | | | 0984349 | — | | | | | | | 5" |
| 6" | | | 0950259 | — | | | | | | | 6" |

Square Bars - Steel, Copper and Brass

- Hot Rolled Material - A36 Steel - Standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". Part #0999829 will be just Hot Rolled Bar.
- Cold Drawn Material - 1018 Steel, 1045 Steel and 12L14 Steel - Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Copper and Brass - Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Size | A36 HR Steel | | 1018 Steel | | 1045 Steel | | 12L14 Steel | | 4140 Steel | | 110 Copper | | 360 Brass | | Size |
|--------|--------------|---------|------------|---------|------------|---------|-------------|---------|------------|---------|------------|---------|-----------|---------|--------|
| | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | Part No. | UOM /In | |
| 1/8" | | | 0950255 | ^ | | | | | | | | | 0986646 | ^ | 1/8" |
| 5/32" | | | | | | | | | | | | | 0986647 | — | 5/32" |
| 3/16" | | | 0950256 | — | | | | | | | | | 0986648 | — | 3/16" |
| 1/4" | | | 0999999 | — | 0950257 | ^ | 0987364 | ^ | 0987465 | ^ | 0986120 | ^ | 0986649 | — | 1/4" |
| 5/16" | | | 0999998 | — | | | 0987365 | — | 0987466 | — | 0986121 | — | 0986650 | — | 5/16" |
| 3/8" | 0999829 | ^ | 0999997 | — | | | 0987366 | — | 0987467 | — | 0986122 | — | 0986651 | — | 3/8" |
| 7/16" | | | 0999996 | — | | | 0987367 | — | 0987468 | — | | | 0986652 | — | 7/16" |
| 1/2" | 0999828 | — | 0999995 | — | 0987194 | — | 0987368 | — | 0987469 | — | 0986123 | — | 0986653 | — | 1/2" |
| 9/16" | | | 0999994 | — | | | 0987369 | — | 0987470 | — | | | 0986654 | — | 9/16" |
| 5/8" | 0999827 | — | 0999993 | — | | | 0987370 | — | 0987471 | — | 0986124 | — | 0986655 | — | 5/8" |
| 11/16" | | | 0999992 | — | | | | | 0987472 | — | | | | | 11/16" |
| 3/4" | 0999826 | — | 0999991 | — | 0987195 | — | 0987371 | — | 0987473 | — | 0986125 | — | 0986656 | — | 3/4" |
| 7/8" | 0999825 | — | 0999990 | — | | | 0987372 | — | 0987474 | — | | | | | 7/8" |
| 1" | 0999824 | — | 0999989 | — | 0987196 | — | 0987373 | — | 0987475 | — | 0986126 | — | 0986657 | — | 1" |
| 1-1/8" | 0999823 | — | 0999988 | — | | | 0987374 | — | 0987476 | — | | | | | 1-1/8" |
| 1-1/4" | 0999822 | — | 0999987 | — | 0987197 | — | 0987375 | — | 0987477 | — | 0986127 | — | 0986658 | — | 1-1/4" |
| 1-3/8" | | | 0999986 | — | | | 0987376 | — | 0987478 | — | | | | | 1-3/8" |
| 1-1/2" | 0999821 | — | 0999985 | — | 0987198 | — | 0987377 | — | 0987479 | — | 0986128 | — | 0986659 | — | 1-1/2" |
| 1-3/4" | | | 0999984 | — | 0987199 | — | 0987378 | — | 0987480 | — | | | 0986660 | — | 1-3/4" |
| 2" | 0999820 | — | 0999983 | — | 0987200 | — | 0987379 | — | 0987481 | — | 0986129 | — | 0986661 | — | 2" |
| 2-1/4" | 0999819 | — | 0999982 | — | | | | | 0987482 | — | | | 0986662 | — | 2-1/4" |
| 2-1/2" | 0999818 | — | 0999981 | — | | | 0987380 | — | 0987483 | — | 0986130 | — | 0986663 | — | 2-1/2" |
| 2-3/4" | | | 0999980 | — | | | | | 0987484 | — | | | | | 2-3/4" |
| 3" | 0999817 | — | 0999979 | — | | | 0950254 | — | 0987485 | — | 0986131 | — | 0986664 | — | 3" |
| 3-1/4" | | | 0999978 | — | | | | | 0987486 | — | | | | | 3-1/4" |
| 3-1/2" | | | 0999977 | — | | | | | 0987487 | — | | | | | 3-1/2" |

RECTANGULAR BARS

Rectangular Bars

Rectangular Bars A36 Steel

- Hot Rolled, Standard bar lengths are 20' (240") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0999801 | 1/8" | 1/2" | ^ |
| 0999800 | 1/8" | 5/8" | — |
| 0999799 | 1/8" | 3/4" | — |
| 0999798 | 1/8" | 7/8" | — |
| 0999797 | 1/8" | 1" | — |
| 0999796 | 1/8" | 1-1/4" | — |
| 0999795 | 1/8" | 1-1/2" | — |
| 0999794 | 1/8" | 1-3/4" | — |
| 0999793 | 1/8" | 2" | — |
| 0999792 | 1/8" | 2-1/4" | — |
| 0999791 | 1/8" | 2-1/2" | — |
| 0999790 | 1/8" | 2-3/4" | — |
| 0999789 | 1/8" | 3" | — |
| 0999788 | 1/8" | 3-1/2" | — |
| 0999787 | 1/8" | 4" | — |
| 0999786 | 1/8" | 4-1/2" | — |
| 0999785 | 1/8" | 5" | — |
| 0999784 | 1/8" | 5-1/2" | — |
| 0999783 | 1/8" | 6" | — |
| 0999782 | 3/16" | 1/2" | — |
| 0999781 | 3/16" | 5/8" | — |
| 0999780 | 3/16" | 3/4" | — |
| 0999779 | 3/16" | 7/8" | — |
| 0999778 | 3/16" | 1" | — |
| 0999777 | 3/16" | 1-1/4" | — |
| 0999776 | 3/16" | 1-1/2" | — |
| 0999775 | 3/16" | 1-3/4" | — |
| 0999774 | 3/16" | 2" | — |
| 0999773 | 3/16" | 2-1/4" | — |
| 0999772 | 3/16" | 2-1/2" | — |
| 0999771 | 3/16" | 2-3/4" | — |
| 0999770 | 3/16" | 3" | — |
| 0999769 | 3/16" | 3-1/4" | — |
| 0999768 | 3/16" | 3-1/2" | — |
| 0999767 | 3/16" | 4" | — |
| 0999766 | 3/16" | 4-1/2" | — |
| 0999765 | 3/16" | 5" | — |
| 0999764 | 3/16" | 5-1/2" | — |
| 0999763 | 3/16" | 6" | — |
| 0999762 | 3/16" | 8" | — |
| 0999760 | 1/4" | 1/2" | — |
| 0999759 | 1/4" | 5/8" | — |
| 0999758 | 1/4" | 3/4" | — |
| 0999757 | 1/4" | 1" | — |
| 0999756 | 1/4" | 1-1/4" | — |
| 0999755 | 1/4" | 1-3/8" | — |
| 0999754 | 1/4" | 1-1/2" | — |
| 0999753 | 1/4" | 1-3/4" | — |
| 0999752 | 1/4" | 2" | — |
| 0999751 | 1/4" | 2-1/4" | — |
| 0999750 | 1/4" | 2-1/2" | — |
| 0999749 | 1/4" | 2-3/4" | — |
| 0999748 | 1/4" | 3" | — |
| 0999747 | 1/4" | 3-1/4" | — |
| 0999746 | 1/4" | 3-1/2" | — |
| 0999745 | 1/4" | 3-3/4" | — |
| 0999744 | 1/4" | 4" | — |
| 0999743 | 1/4" | 4-1/2" | — |
| 0999742 | 1/4" | 5" | — |

| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0999741 | 1/4" | 5-1/2" | ^ |
| 0999740 | 1/4" | 6" | — |
| 0999739 | 1/4" | 7" | — |
| 0999738 | 1/4" | 8" | — |
| 0999737 | 1/4" | 10" | — |
| 0999736 | 1/4" | 11" | — |
| 0999735 | 1/4" | 12" | — |
| 0999734 | 5/16" | 1/2" | — |
| 0999732 | 5/16" | 3/4" | — |
| 0999731 | 5/16" | 1" | — |
| 0999730 | 5/16" | 1-1/4" | — |
| 0999729 | 5/16" | 1-1/2" | — |
| 0999728 | 5/16" | 1-3/4" | — |
| 0999727 | 5/16" | 2" | — |
| 0999726 | 5/16" | 2-1/4" | — |
| 0999725 | 5/16" | 2-1/2" | — |
| 0999724 | 5/16" | 3" | — |
| 0999723 | 5/16" | 3-1/2" | — |
| 0999722 | 5/16" | 4" | — |
| 0999721 | 5/16" | 4-1/2" | — |
| 0999720 | 5/16" | 5" | — |
| 0999719 | 5/16" | 6" | — |
| 0999718 | 3/8" | 1/2" | — |
| 0999717 | 3/8" | 3/4" | — |
| 0999716 | 3/8" | 1" | — |
| 0999715 | 3/8" | 1-1/4" | — |
| 0999714 | 3/8" | 1-3/8" | — |
| 0999713 | 3/8" | 1-1/2" | — |
| 0999712 | 3/8" | 1-5/8" | — |
| 0999711 | 3/8" | 1-3/4" | — |
| 0999710 | 3/8" | 2" | — |
| 0999709 | 3/8" | 2-1/4" | — |
| 0999708 | 3/8" | 2-1/2" | — |
| 0999707 | 3/8" | 2-3/4" | — |
| 0999706 | 3/8" | 3" | — |
| 0999705 | 3/8" | 3-1/4" | — |
| 0999704 | 3/8" | 3-1/2" | — |
| 0999703 | 3/8" | 4" | — |
| 0999702 | 3/8" | 4-1/2" | — |
| 0999701 | 3/8" | 5" | — |
| 0999700 | 3/8" | 5-1/2" | — |
| 0999699 | 3/8" | 6" | — |
| 0999698 | 3/8" | 6-1/2" | — |
| 0999697 | 3/8" | 7" | — |
| 0999696 | 3/8" | 8" | — |
| 0999695 | 3/8" | 10" | — |
| 0999694 | 3/8" | 12" | — |
| 0999693 | 1/2" | 3/4" | — |
| 0999692 | 1/2" | 1" | — |
| 0999691 | 1/2" | 1-1/8" | — |
| 0999690 | 1/2" | 1-1/4" | — |
| 0999689 | 1/2" | 1-1/2" | — |
| 0999688 | 1/2" | 1-3/4" | — |
| 0999687 | 1/2" | 2" | — |
| 0999686 | 1/2" | 2-1/4" | — |
| 0999685 | 1/2" | 2-1/2" | — |
| 0999684 | 1/2" | 2-3/4" | — |
| 0999683 | 1/2" | 3" | — |
| 0999682 | 1/2" | 3-1/4" | — |
| 0999681 | 1/2" | 3-1/2" | — |
| 0999680 | 1/2" | 3-3/4" | — |
| 0999679 | 1/2" | 4" | — |
| 0999678 | 1/2" | 4-1/2" | — |
| 0999677 | 1/2" | 5" | — |
| 0999676 | 1/2" | 5-1/2" | — |
| 0999675 | 1/2" | 6" | — |
| 0999674 | 1/2" | 7" | — |
| 0999673 | 1/2" | 8" | — |
| 0999672 | 1/2" | 9" | — |
| 0999671 | 1/2" | 10" | — |
| 0999670 | 1/2" | 11" | — |
| 0999669 | 1/2" | 12" | — |
| 0999668 | 5/8" | 3/4" | — |
| 0999667 | 5/8" | 1" | — |
| 0999666 | 5/8" | 1-1/4" | — |

| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0999664 | 5/8" | 1-1/2" | ^ |
| 0999663 | 5/8" | 1-3/4" | — |
| 0999662 | 5/8" | 2" | — |
| 0999661 | 5/8" | 2-1/2" | — |
| 0999660 | 5/8" | 2-3/4" | — |
| 0999659 | 5/8" | 3" | — |
| 0999658 | 5/8" | 3-1/2" | — |
| 0999657 | 5/8" | 4" | — |
| 0999656 | 5/8" | 4-1/2" | — |
| 0999655 | 5/8" | 5" | — |
| 0999654 | 5/8" | 6" | — |
| 0999653 | 5/8" | 7" | — |
| 0999652 | 5/8" | 8" | — |
| 0999651 | 5/8" | 10" | — |
| 0999649 | 3/4" | 1" | — |
| 0999648 | 3/4" | 1-1/4" | — |
| 0999647 | 3/4" | 1-1/2" | — |
| 0999646 | 3/4" | 1-3/4" | — |
| 0999645 | 3/4" | 2" | — |
| 0999644 | 3/4" | 2-1/4" | — |
| 0999643 | 3/4" | 2-1/2" | — |
| 0999642 | 3/4" | 2-3/4" | — |
| 0999641 | 3/4" | 3" | — |
| 0999640 | 3/4" | 3-1/2" | — |
| 0999639 | 3/4" | 4" | — |
| 0999638 | 3/4" | 4-1/2" | — |
| 0999637 | 3/4" | 5" | — |
| 0999636 | 3/4" | 6" | — |
| 0999635 | 3/4" | 7" | — |
| 0999634 | 3/4" | 8" | — |
| 0999633 | 3/4" | 9" | — |
| 0999632 | 3/4" | 10" | — |
| 0999631 | 3/4" | 12" | — |
| 0999630 | 1" | 1-1/4" | — |
| 0999629 | 1" | 1-1/2" | — |
| 0999628 | 1" | 1-3/4" | — |
| 0999627 | 1" | 2" | — |
| 0999626 | 1" | 2-1/2" | — |
| 0999625 | 1" | 2-3/4" | — |
| 0999624 | 1" | 3" | — |
| 0999623 | 1" | 3-1/2" | — |
| 0999622 | 1" | 4" | — |
| 0999621 | 1" | 4-1/2" | — |
| 0999620 | 1" | 5" | — |
| 0999619 | 1" | 5-1/2" | — |
| 0999618 | 1" | 6" | — |
| 0999617 | 1" | 7" | — |
| 0999616 | 1" | 8" | — |
| 0999615 | 1" | 9" | — |
| 0999614 | 1" | 10" | — |
| 0999613 | 1" | 12" | — |
| 0999612 | 1-1/4" | 2" | — |
| 0999611 | 1-1/4" | 2-1/4" | — |
| 0999610 | 1-1/4" | 2-1/2" | — |
| 0999609 | 1-1/4" | 3" | — |
| 0999608 | 1-1/4" | 4" | — |
| 0999607 | 1-1/4" | 6" | — |
| 0999606 | 1-1/4" | 7" | — |
| 0999605 | 1-1/4" | 8" | — |
| 0999604 | 1-1/2" | 2" | — |
| 0999603 | 1-1/2" | 2-1/2" | — |
| 0999602 | 1-1/2" | 3" | — |
| 0999601 | 1-1/2" | 3-1/2" | — |
| 0999600 | 1-1/2" | 4" | — |
| 0999599 | 1-1/2" | 5" | — |
| 0999598 | 1-1/2" | 6" | — |
| 0999597 | 2" | 2-1/2" | — |
| 0999596 | 2" | 3" | — |
| 0999595 | 2" | 4" | — |
| 0999594 | 2" | 4-1/2" | — |
| 0999593 | 2" | 5" | — |
| 0999592 | 2" | 6" | — |

BAR STOCK

RECTANGULAR BARS

Rectangular Bars Cont.

Rectangular Bars 1018 Steel

- Cold Drawn, Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



BAR STOCK

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|------------|
| 0986893 | 1/8" | 1/4" | ^ |
| 0986894 | 1/8" | 3/8" | — |
| 0986895 | 1/8" | 1/2" | — |
| 0986896 | 1/8" | 5/8" | — |
| 0986897 | 1/8" | 3/4" | — |
| 0950264 | 1/8" | 7/8" | — |
| 0986898 | 1/8" | 1" | — |
| 0986899 | 1/8" | 1-1/8" | — |
| 0986900 | 1/8" | 1-1/4" | — |
| 0986901 | 1/8" | 1-1/2" | — |
| 0986902 | 1/8" | 2" | — |
| 0986903 | 1/8" | 2-1/2" | — |
| 0950265 | 1/8" | 3" | — |
| 0950266 | 1/8" | 3-1/2" | — |
| 0950267 | 1/8" | 4" | — |
| 0950268 | 1/8" | 4-1/2" | — |
| 0950269 | 1/8" | 5" | — |
| 0950271 | 1/8" | 6" | — |
| 0950272 | 3/16" | 1/4" | — |
| 0950273 | 3/16" | 3/8" | — |
| 0986904 | 3/16" | 1/2" | — |
| 0986905 | 3/16" | 5/8" | — |
| 0986906 | 3/16" | 3/4" | — |
| 0986907 | 3/16" | 1" | — |
| 0986908 | 3/16" | 1-1/4" | — |
| 0986909 | 3/16" | 1-1/2" | — |
| 0986910 | 3/16" | 1-3/4" | — |
| 0986911 | 3/16" | 2" | — |
| 0986912 | 3/16" | 2-1/4" | — |
| 0986913 | 3/16" | 2-1/2" | — |
| 0986914 | 3/16" | 3" | — |
| 0986915 | 3/16" | 4" | — |
| 0950274 | 3/16" | 5" | — |
| 0950275 | 3/16" | 6" | — |
| 0986916 | 1/4" | 3/8" | — |
| 0986917 | 1/4" | 1/2" | — |
| 0986918 | 1/4" | 5/8" | — |
| 0986919 | 1/4" | 3/4" | — |
| 0986920 | 1/4" | 7/8" | — |
| 0986921 | 1/4" | 1" | — |
| 0986922 | 1/4" | 1-1/4" | — |
| 0986923 | 1/4" | 1-3/8" | — |
| 0986924 | 1/4" | 1-1/2" | — |
| 0986925 | 1/4" | 1-3/4" | — |
| 0986926 | 1/4" | 2" | — |
| 0986927 | 1/4" | 2-1/4" | — |
| 0986928 | 1/4" | 2-1/2" | — |
| 0986929 | 1/4" | 2-3/4" | — |
| 0986930 | 1/4" | 3" | — |
| 0986931 | 1/4" | 3-1/4" | — |
| 0986932 | 1/4" | 3-1/2" | — |
| 0986933 | 1/4" | 3-3/4" | — |
| 0986934 | 1/4" | 4" | — |
| 0986935 | 1/4" | 4-1/2" | — |
| 0986936 | 1/4" | 5" | — |
| 0986937 | 1/4" | 5-1/2" | — |
| 0986938 | 1/4" | 6" | — |
| 0950276 | 1/4" | 7" | — |
| 0950277 | 1/4" | 8" | — |
| 0950278 | 1/4" | 10" | — |
| 0950279 | 1/4" | 12" | — |
| 0986939 | 5/16" | 1/2" | — |
| 0950280 | 5/16" | 5/8" | — |

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|------------|
| 0986940 | 5/16" | 3/4" | ^ |
| 0986941 | 5/16" | 1" | — |
| 0986942 | 5/16" | 1-1/4" | — |
| 0986943 | 5/16" | 1-1/2" | — |
| 0986944 | 5/16" | 1-3/4" | — |
| 0986945 | 5/16" | 2" | — |
| 0950281 | 5/16" | 2-1/4" | — |
| 0986946 | 5/16" | 2-1/2" | — |
| 0986947 | 5/16" | 2-3/4" | — |
| 0986948 | 5/16" | 3" | — |
| 0986949 | 5/16" | 3-1/2" | — |
| 0986950 | 5/16" | 4" | — |
| 0950282 | 5/16" | 5" | — |
| 0986951 | 5/16" | 6" | — |
| 0950283 | 5/16" | 7" | — |
| 0950284 | 5/16" | 8" | — |
| 0950285 | 5/16" | 10" | — |
| 0950286 | 5/16" | 12" | — |
| 0986952 | 3/8" | 1/2" | — |
| 0986953 | 3/8" | 5/8" | — |
| 0986954 | 3/8" | 3/4" | — |
| 0950287 | 3/8" | 7/8" | — |
| 0986955 | 3/8" | 1" | — |
| 0986956 | 3/8" | 1-1/4" | — |
| 0986957 | 3/8" | 1-3/8" | — |
| 0986958 | 3/8" | 1-1/2" | — |
| 0986959 | 3/8" | 1-3/4" | — |
| 0986960 | 3/8" | 2" | — |
| 0986961 | 3/8" | 2-1/4" | — |
| 0986962 | 3/8" | 2-1/2" | — |
| 0986963 | 3/8" | 2-3/4" | — |
| 0986964 | 3/8" | 3" | — |
| 0950288 | 3/8" | 3-1/4" | — |
| 0986965 | 3/8" | 3-1/2" | — |
| 0986966 | 3/8" | 3-3/4" | — |
| 0986967 | 3/8" | 4" | — |
| 0986968 | 3/8" | 4-1/2" | — |
| 0986969 | 3/8" | 5" | — |
| 0986970 | 3/8" | 5-1/2" | — |
| 0986971 | 3/8" | 6" | — |
| 0950289 | 3/8" | 7" | — |
| 0950290 | 3/8" | 8" | — |
| 0950291 | 3/8" | 10" | — |
| 0950292 | 3/8" | 12" | — |
| 0986972 | 1/2" | 5/8" | — |
| 0986973 | 1/2" | 3/4" | — |
| 0986974 | 1/2" | 7/8" | — |
| 0986975 | 1/2" | 1" | — |
| 0986976 | 1/2" | 1-1/4" | — |
| 0986977 | 1/2" | 1-3/8" | — |
| 0986978 | 1/2" | 1-1/2" | — |
| 0986979 | 1/2" | 1-5/8" | — |
| 0986980 | 1/2" | 1-3/4" | — |
| 0986981 | 1/2" | 2" | — |
| 0986982 | 1/2" | 2-1/4" | — |
| 0986983 | 1/2" | 2-1/2" | — |
| 0986984 | 1/2" | 2-3/4" | — |
| 0986985 | 1/2" | 3" | — |
| 0986986 | 1/2" | 3-1/4" | — |
| 0986987 | 1/2" | 3-1/2" | — |
| 0950293 | 1/2" | 3-3/4" | — |
| 0986988 | 1/2" | 4" | — |
| 0950294 | 1/2" | 4-1/4" | — |
| 0986989 | 1/2" | 4-1/2" | — |
| 0950295 | 1/2" | 4-3/4" | — |
| 0986990 | 1/2" | 5" | — |
| 0986991 | 1/2" | 5-1/2" | — |
| 0986992 | 1/2" | 6" | — |
| 0950296 | 1/2" | 7" | — |
| 0950297 | 1/2" | 8" | — |
| 0950298 | 1/2" | 9" | — |
| 0950299 | 1/2" | 10" | — |
| 0950300 | 1/2" | 12" | — |
| 0986993 | 5/8" | 3/4" | — |

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|------------|
| 0950301 | 5/8" | 7/8" | ^ |
| 0986994 | 5/8" | 1" | — |
| 0986995 | 5/8" | 1-1/8" | — |
| 0986996 | 5/8" | 1-1/4" | — |
| 0986997 | 5/8" | 1-1/2" | — |
| 0986998 | 5/8" | 1-3/4" | — |
| 0986999 | 5/8" | 2" | — |
| 0987000 | 5/8" | 2-1/4" | — |
| 0987001 | 5/8" | 2-1/2" | — |
| 0987002 | 5/8" | 2-3/4" | — |
| 0987003 | 5/8" | 3" | — |
| 0987004 | 5/8" | 3-1/4" | — |
| 0987005 | 5/8" | 3-1/2" | — |
| 0987006 | 5/8" | 4" | — |
| 0987007 | 5/8" | 4-1/2" | — |
| 0987008 | 5/8" | 5" | — |
| 0987009 | 5/8" | 5-1/2" | — |
| 0987010 | 5/8" | 6" | — |
| 0950302 | 5/8" | 7" | — |
| 0950303 | 5/8" | 8" | — |
| 0950304 | 5/8" | 10" | — |
| 0950305 | 5/8" | 12" | — |
| 0987011 | 3/4" | 7/8" | — |
| 0987012 | 3/4" | 1" | — |
| 0987013 | 3/4" | 1-1/8" | — |
| 0987014 | 3/4" | 1-1/4" | — |
| 0987015 | 3/4" | 1-3/8" | — |
| 0987016 | 3/4" | 1-1/2" | — |
| 0987017 | 3/4" | 1-5/8" | — |
| 0987018 | 3/4" | 1-3/4" | — |
| 0987019 | 3/4" | 2" | — |
| 0987020 | 3/4" | 2-1/4" | — |
| 0987021 | 3/4" | 2-1/2" | — |
| 0987022 | 3/4" | 2-3/4" | — |
| 0987023 | 3/4" | 3" | — |
| 0950306 | 3/4" | 3-1/4" | — |
| 0987024 | 3/4" | 3-1/2" | — |
| 0950307 | 3/4" | 3-3/4" | — |
| 0987025 | 3/4" | 4" | — |
| 0987026 | 3/4" | 4-1/2" | — |
| 0987027 | 3/4" | 5" | — |
| 0987028 | 3/4" | 5-1/2" | — |
| 0987029 | 3/4" | 6" | — |
| 0950308 | 3/4" | 6-1/2" | — |
| 0950309 | 3/4" | 7" | — |
| 0950310 | 3/4" | 8" | — |
| 0950311 | 3/4" | 9" | — |
| 0950312 | 3/4" | 10" | — |
| 0950313 | 3/4" | 12" | — |
| 0987030 | 7/8" | 1" | — |
| 0987031 | 7/8" | 1-1/4" | — |
| 0987032 | 7/8" | 1-1/2" | — |
| 0987033 | 7/8" | 1-3/4" | — |
| 0987034 | 7/8" | 2" | — |
| 0987035 | 7/8" | 2-1/2" | — |
| 0987036 | 7/8" | 3" | — |
| 0987037 | 7/8" | 3-1/2" | — |
| 0987038 | 7/8" | 4" | — |
| 0987039 | 7/8" | 5" | — |
| 0987040 | 7/8" | 6" | — |
| 0950314 | 7/8" | 8" | — |
| 0950315 | 7/8" | 10" | — |
| 0950316 | 1" | 1-1/8" | — |
| 0987041 | 1" | 1-1/4" | — |
| 0987042 | 1" | 1-3/8" | — |
| 0987043 | 1" | 1-1/2" | — |
| 0950317 | 1" | 1-5/8" | — |
| 0987044 | 1" | 1-3/4" | — |
| 0987045 | 1" | 2" | — |
| 0987046 | 1" | 2-1/4" | — |
| 0987047 | 1" | 2-1/2" | — |
| 0987048 | 1" | 2-3/4" | — |
| 0987049 | 1" | 3" | — |
| 0987050 | 1" | 3-1/2" | — |

RECTANGULAR BARS

BAR STOCK

Rectangular Bars Cont.

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0987051 | 1" | 4" | ^ |
| 0950318 | 1" | 4-1/2" | — |
| 0987052 | 1" | 5" | — |
| 0987053 | 1" | 5-1/2" | — |
| 0987054 | 1" | 6" | — |
| 0950319 | 1" | 6-1/2" | — |
| 0950320 | 1" | 7" | — |
| 0950321 | 1" | 8" | — |
| 0950322 | 1" | 9" | — |
| 0950323 | 1" | 10" | — |
| 0950324 | 1" | 12" | — |
| 0987055 | 1-1/8" | 1-1/2" | — |
| 0950325 | 1-1/8" | 1-3/4" | — |
| 0987056 | 1-1/8" | 2" | — |
| 0950326 | 1-1/8" | 2-1/2" | — |
| 0987057 | 1-1/8" | 3" | — |
| 0987058 | 1-1/8" | 4" | — |
| 0987059 | 1-1/4" | 1-1/2" | — |
| 0987060 | 1-1/4" | 1-3/4" | — |
| 0987061 | 1-1/4" | 2" | — |
| 0987062 | 1-1/4" | 2-1/4" | — |
| 0987063 | 1-1/4" | 2-1/2" | — |
| 0950327 | 1-1/4" | 2-3/4" | — |
| 0987064 | 1-1/4" | 3" | — |
| 0987065 | 1-1/4" | 3-1/4" | — |
| 0987066 | 1-1/4" | 3-1/2" | — |
| 0950329 | 1-1/4" | 3-3/4" | — |
| 0987067 | 1-1/4" | 4" | — |
| 0987068 | 1-1/4" | 4-1/2" | — |
| 0987069 | 1-1/4" | 5" | — |
| 0950330 | 1-1/4" | 5-1/2" | — |
| 0987070 | 1-1/4" | 6" | — |
| 0950331 | 1-1/4" | 8" | — |
| 0950332 | 1-1/4" | 10" | — |
| 0950333 | 1-1/4" | 12" | — |
| 0987071 | 1-1/2" | 1-3/4" | — |
| 0987072 | 1-1/2" | 2" | — |
| 0987073 | 1-1/2" | 2-1/4" | — |
| 0987074 | 1-1/2" | 2-1/2" | — |
| 0987075 | 1-1/2" | 2-3/4" | — |
| 0987076 | 1-1/2" | 3" | — |
| 0950334 | 1-1/2" | 3-1/4" | — |
| 0987077 | 1-1/2" | 3-1/2" | — |
| 0987078 | 1-1/2" | 4" | — |
| 0987079 | 1-1/2" | 4-1/2" | — |
| 0987080 | 1-1/2" | 5" | — |
| 0987081 | 1-1/2" | 5-1/2" | — |
| 0987082 | 1-1/2" | 6" | — |
| 0950335 | 1-1/2" | 8" | — |
| 0950336 | 1-1/2" | 10" | — |
| 0950337 | 1-1/2" | 12" | — |
| 0987083 | 1-3/4" | 2" | — |
| 0987084 | 1-3/4" | 2-1/4" | — |
| 0987085 | 1-3/4" | 2-1/2" | — |
| 0950338 | 1-3/4" | 2-3/4" | — |
| 0987086 | 1-3/4" | 3" | — |
| 0987087 | 1-3/4" | 3-1/2" | — |
| 0987088 | 1-3/4" | 4" | — |
| 0950339 | 1-3/4" | 4-1/2" | — |
| 0950340 | 1-3/4" | 5" | — |
| 0950341 | 1-3/4" | 5-1/2" | — |
| 0987089 | 1-3/4" | 6" | — |
| 0987090 | 2" | 2-1/4" | — |
| 0987091 | 2" | 2-1/2" | — |
| 0950342 | 2" | 2-3/4" | — |
| 0987092 | 2" | 3" | — |
| 0987093 | 2" | 3-1/2" | — |
| 0987094 | 2" | 4" | — |
| 0987095 | 2" | 4-1/2" | — |
| 0987096 | 2" | 5" | — |
| 0987097 | 2" | 6" | — |
| 0950343 | 2" | 8" | — |

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0950344 | 2" | 10" | ^ |
| 0950345 | 2" | 12" | — |
| 0950346 | 2-1/4" | 2-1/2" | — |
| 0987098 | 2-1/4" | 3" | — |
| 0987099 | 2-1/4" | 3-1/2" | — |
| 0987100 | 2-1/4" | 4" | — |
| 0950347 | 2-1/4" | 5" | — |
| 0950348 | 2-1/4" | 6" | — |
| 0950349 | 2-1/2" | 2-3/4" | — |
| 0987101 | 2-1/2" | 3" | — |
| 0987102 | 2-1/2" | 3-1/2" | — |
| 0987103 | 2-1/2" | 4" | — |
| 0950350 | 2-1/2" | 4-1/2" | — |
| 0987104 | 2-1/2" | 5" | — |
| 0987105 | 2-1/2" | 6" | — |
| 0950351 | 2-1/2" | 8" | — |
| 0950352 | 2-1/2" | 10" | — |
| 0950353 | 2-1/2" | 12" | — |
| 0987106 | 3" | 3-1/2" | — |
| 0987107 | 3" | 4" | — |
| 0950354 | 3" | 4-1/2" | — |
| 0987108 | 3" | 5" | — |
| 0987109 | 3" | 6" | — |
| 0950355 | 3" | 8" | — |
| 0950356 | 3" | 10" | — |
| 0950357 | 3" | 12" | — |
| 0950358 | 3-1/2" | 4" | — |
| 0987110 | 3-1/2" | 5" | — |
| 0987111 | 3-1/2" | 6" | — |
| 0987112 | 4" | 6" | — |
| 0950359 | 4-1/2" | 5" | — |

Rectangular Bars 2024 Aluminum

- Standard bar lengths are 12'(144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0984123 | 1/8" | 1" | ^ |
| 0950360 | 1/8" | 1-1/2" | — |
| 0984149 | 1/8" | 2" | — |
| 0984116 | 3/16" | 1/2" | — |
| 0950361 | 3/16" | 1" | — |
| 0984129 | 3/16" | 1-1/4" | — |
| 0984136 | 3/16" | 1-1/2" | — |
| 0984117 | 1/4" | 1/2" | — |
| 0984119 | 1/4" | 3/4" | — |
| 0984124 | 1/4" | 1" | — |
| 0984130 | 1/4" | 1-1/4" | — |
| 0984137 | 1/4" | 1-1/2" | — |
| 0984145 | 1/4" | 1-3/4" | — |
| 0984150 | 1/4" | 2" | — |
| 0984160 | 1/4" | 2-1/2" | — |
| 0984168 | 1/4" | 3" | — |
| 0984180 | 1/4" | 4" | — |
| 0984138 | 5/16" | 1-1/2" | — |
| 0984118 | 3/8" | 1/2" | — |
| 0984120 | 3/8" | 3/4" | — |
| 0984125 | 3/8" | 1" | — |
| 0984131 | 3/8" | 1-1/4" | — |
| 0984139 | 3/8" | 1-1/2" | — |
| 0984151 | 3/8" | 2" | — |
| 0984161 | 3/8" | 2-1/2" | — |
| 0984169 | 3/8" | 3" | — |
| 0984181 | 3/8" | 4" | — |
| 0984194 | 3/8" | 6" | — |
| 0984121 | 1/2" | 3/4" | — |
| 0984126 | 1/2" | 1" | — |
| 0984132 | 1/2" | 1-1/4" | — |
| 0984140 | 1/2" | 1-1/2" | — |
| 0984146 | 1/2" | 1-3/4" | — |
| 0984152 | 1/2" | 2" | — |
| 0984162 | 1/2" | 2-1/2" | — |
| 0984170 | 1/2" | 3" | — |
| 0984182 | 1/2" | 4" | — |
| 0984195 | 1/2" | 6" | — |

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0984122 | 5/8" | 3/4" | ^ |
| 0984127 | 5/8" | 1" | — |
| 0984133 | 5/8" | 1-1/4" | — |
| 0984141 | 5/8" | 1-1/2" | — |
| 0984153 | 5/8" | 2" | — |
| 0984128 | 3/4" | 1" | — |
| 0984134 | 3/4" | 1-1/4" | — |
| 0984142 | 3/4" | 1-1/2" | — |
| 0984147 | 3/4" | 1-3/4" | — |
| 0984154 | 3/4" | 2" | — |
| 0984163 | 3/4" | 2-1/2" | — |
| 0984171 | 3/4" | 3" | — |
| 0984178 | 3/4" | 3-1/2" | — |
| 0984183 | 3/4" | 4" | — |
| 0984191 | 3/4" | 5" | — |
| 0984196 | 3/4" | 6" | — |
| 0984135 | 1" | 1-1/4" | — |
| 0984143 | 1" | 1-1/2" | — |
| 0984148 | 1" | 1-3/4" | — |
| 0984155 | 1" | 2" | — |
| 0984164 | 1" | 2-1/2" | — |
| 0984172 | 1" | 3" | — |
| 0984179 | 1" | 3-1/2" | — |
| 0984184 | 1" | 4" | — |
| 0984192 | 1" | 5" | — |
| 0984197 | 1" | 6" | — |
| 0984144 | 1-1/4" | 1-1/2" | — |
| 0984156 | 1-1/4" | 2" | — |
| 0984165 | 1-1/4" | 2-1/2" | — |
| 0984173 | 1-1/4" | 3" | — |
| 0984185 | 1-1/4" | 4" | — |
| 0984157 | 1-1/2" | 2" | — |
| 0984166 | 1-1/2" | 2-1/2" | — |
| 0984174 | 1-1/2" | 3" | — |
| 0984186 | 1-1/2" | 4" | — |
| 0984198 | 1-1/2" | 6" | — |
| 0984158 | 1-3/4" | 2" | — |
| 0984175 | 1-3/4" | 3" | — |
| 0984187 | 1-3/4" | 4" | — |
| 0984199 | 1-3/4" | 6" | — |
| 0984159 | 2" | 2-1/4" | — |
| 0984167 | 2" | 2-1/2" | — |
| 0984176 | 2" | 3" | — |
| 0984188 | 2" | 4" | — |
| 0984200 | 2" | 6" | — |
| 0984177 | 2-1/2" | 3" | — |
| 0984189 | 2-1/2" | 4" | — |
| 0984201 | 2-1/2" | 6" | — |
| 0984190 | 3" | 4" | — |
| 0984193 | 3" | 5" | — |
| 0984202 | 3" | 6" | — |

RECTANGULAR BARS

Rectangular Bars Cont.

Rectangular Bars 6061 Aluminum

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0950362 | 1/8" | 1/2" | ^ |
| 0950363 | 1/8" | 3/4" | — |
| 0984354 | 1/8" | 1" | — |
| 0950364 | 1/8" | 1-1/4" | — |
| 0950365 | 1/8" | 1-1/2" | — |
| 0984370 | 1/8" | 2" | — |
| 0984382 | 1/8" | 3" | — |
| 0984397 | 1/8" | 4" | — |
| 0984350 | 3/16" | 1/2" | — |
| 0984352 | 3/16" | 3/4" | — |
| 0984355 | 3/16" | 1" | — |
| 0984362 | 3/16" | 1-1/2" | — |
| 0984371 | 3/16" | 2" | — |
| 0950366 | 3/16" | 2-1/2" | — |
| 0984383 | 3/16" | 3" | — |
| 0984398 | 3/16" | 4" | — |
| 0984351 | 1/4" | 1/2" | — |
| 0984353 | 1/4" | 3/4" | — |
| 0984356 | 1/4" | 1" | — |
| 0950367 | 1/4" | 1-1/4" | — |
| 0984363 | 1/4" | 1-1/2" | — |
| 0950368 | 1/4" | 1-3/4" | — |
| 0984372 | 1/4" | 2" | — |
| 0950369 | 1/4" | 2-1/2" | — |
| 0984384 | 1/4" | 3" | — |
| 0950370 | 1/4" | 3-1/2" | — |
| 0984399 | 1/4" | 4" | — |
| 0950371 | 1/4" | 4-1/2" | — |
| 0984411 | 1/4" | 5" | — |
| 0984418 | 1/4" | 6" | — |
| 0984427 | 1/4" | 8" | — |
| 0950372 | 1/4" | 10" | — |
| 0950373 | 1/4" | 12" | — |
| 0984357 | 5/16" | 1" | — |
| 0984364 | 5/16" | 1-1/2" | — |
| 0984373 | 5/16" | 2" | — |
| 0984385 | 5/16" | 3" | — |
| 0950374 | 3/8" | 1/2" | — |
| 0950375 | 3/8" | 3/4" | — |
| 0984358 | 3/8" | 1" | — |
| 0950376 | 3/8" | 1-1/4" | — |
| 0984365 | 3/8" | 1-1/2" | — |
| 0984374 | 3/8" | 2" | — |
| 0950377 | 3/8" | 2-1/2" | — |
| 0984386 | 3/8" | 3" | — |
| 0984400 | 3/8" | 4" | — |
| 0984412 | 3/8" | 5" | — |
| 0984419 | 3/8" | 6" | — |
| 0950378 | 3/8" | 8" | — |
| 0950379 | 3/8" | 10" | — |
| 0950380 | 3/8" | 12" | — |
| 0950381 | 1/2" | 3/4" | — |
| 0984359 | 1/2" | 1" | — |
| 0950382 | 1/2" | 1-1/4" | — |
| 0984366 | 1/2" | 1-1/2" | — |
| 0950383 | 1/2" | 1-3/4" | — |
| 0984375 | 1/2" | 2" | — |
| 0950384 | 1/2" | 2-1/2" | — |
| 0984387 | 1/2" | 3" | — |
| 0950385 | 1/2" | 3-1/2" | — |
| 0984401 | 1/2" | 4" | — |
| 0984413 | 1/2" | 5" | — |
| 0984420 | 1/2" | 6" | — |
| 0984428 | 1/2" | 8" | — |
| 0950386 | 1/2" | 10" | — |

| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0950387 | 1/2" | 12" | ^ |
| 0984360 | 5/8" | 1" | — |
| 0950388 | 5/8" | 1-1/4" | — |
| 0984367 | 5/8" | 1-1/2" | — |
| 0984376 | 5/8" | 2" | — |
| 0950389 | 5/8" | 2-1/2" | — |
| 0984388 | 5/8" | 3" | — |
| 0984402 | 5/8" | 4" | — |
| 0984414 | 5/8" | 5" | — |
| 0950390 | 5/8" | 6" | — |
| 0984361 | 3/4" | 1" | — |
| 0950391 | 3/4" | 1-1/4" | — |
| 0984368 | 3/4" | 1-1/2" | — |
| 0984377 | 3/4" | 2" | — |
| 0950392 | 3/4" | 2-1/2" | — |
| 0984389 | 3/4" | 3" | — |
| 0950393 | 3/4" | 3-1/2" | — |
| 0984403 | 3/4" | 4" | — |
| 0950394 | 3/4" | 5" | — |
| 0984421 | 3/4" | 6" | — |
| 0950395 | 3/4" | 8" | — |
| 0950396 | 3/4" | 10" | — |
| 0950397 | 3/4" | 12" | — |
| 0950398 | 1" | 1-1/4" | — |
| 0984369 | 1" | 1-1/2" | — |
| 0950399 | 1" | 1-3/4" | — |
| 0984378 | 1" | 2" | — |
| 0950400 | 1" | 2-1/2" | — |
| 0984390 | 1" | 3" | — |
| 0950401 | 1" | 3-1/2" | — |
| 0984404 | 1" | 4" | — |
| 0950402 | 1" | 5" | — |
| 0984422 | 1" | 6" | — |
| 0950403 | 1" | 8" | — |
| 0950404 | 1" | 10" | — |
| 0950405 | 1" | 12" | — |
| 0950406 | 1-1/4" | 1-1/2" | — |
| 0984379 | 1-1/4" | 2" | — |
| 0950407 | 1-1/4" | 2-1/2" | — |
| 0984391 | 1-1/4" | 3" | — |
| 0984405 | 1-1/4" | 4" | — |
| 0950408 | 1-1/4" | 4-1/2" | — |
| 0950409 | 1-1/4" | 5" | — |
| 0950410 | 1-1/4" | 6" | — |
| 0950411 | 1-1/4" | 8" | — |
| 0950412 | 1-1/4" | 12" | — |
| 0984380 | 1-1/2" | 2" | — |
| 0950413 | 1-1/2" | 2-1/2" | — |
| 0984392 | 1-1/2" | 3" | — |
| 0950414 | 1-1/2" | 3-1/2" | — |
| 0984406 | 1-1/2" | 4" | — |
| 0950415 | 1-1/2" | 5" | — |
| 0984423 | 1-1/2" | 6" | — |
| 0950416 | 1-1/2" | 8" | — |
| 0950417 | 1-1/2" | 10" | — |
| 0950418 | 1-1/2" | 12" | — |
| 0984381 | 2" | 2-1/2" | — |
| 0984393 | 2" | 3" | — |
| 0950419 | 2" | 3-1/2" | — |
| 0984407 | 2" | 4" | — |
| 0950420 | 2" | 5" | — |
| 0984424 | 2" | 6" | — |
| 0950421 | 2" | 8" | — |
| 0950422 | 2" | 10" | — |
| 0950423 | 2" | 12" | — |
| 0984394 | 2-1/2" | 3" | — |
| 0984395 | 2-1/2" | 3-1/2" | — |
| 0984408 | 2-1/2" | 4" | — |
| 0984415 | 2-1/2" | 5" | — |
| 0984396 | 3" | 3-1/2" | — |
| 0984409 | 3" | 4" | — |
| 0984410 | 3" | 4-1/2" | — |
| 0984416 | 3" | 5" | — |
| 0984425 | 3" | 6" | — |
| 0984417 | 4" | 5" | — |
| 0984426 | 4" | 6" | — |

Rectangular Bar 303 Stainless Steel

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0992369 | 1/8" | 1/2" | ^ |
| 0992370 | 1/8" | 5/8" | — |
| 0992371 | 1/8" | 3/4" | — |
| 0992372 | 1/8" | 1" | — |
| 0992373 | 1/8" | 1-1/4" | — |
| 0992374 | 1/8" | 1-1/2" | — |
| 0992375 | 1/8" | 2" | — |
| 0992376 | 1/8" | 3" | — |
| 0992377 | 1/8" | 4" | — |
| 0992378 | 3/16" | 1/2" | — |
| 0950497 | 3/16" | 3/4" | — |
| 0992379 | 3/16" | 1" | — |
| 0992380 | 3/16" | 1-1/4" | — |
| 0992381 | 3/16" | 1-1/2" | — |
| 0992382 | 3/16" | 2" | — |
| 0992383 | 3/16" | 3" | — |
| 0992384 | 3/16" | 4" | — |
| 0992385 | 1/4" | 1/2" | — |
| 0992386 | 1/4" | 3/4" | — |
| 0992387 | 1/4" | 1" | — |
| 0992388 | 1/4" | 1-1/4" | — |
| 0992389 | 1/4" | 1-1/2" | — |
| 0992390 | 1/4" | 1-3/4" | — |
| 0992391 | 1/4" | 2" | — |
| 0992392 | 1/4" | 2-1/2" | — |
| 0992393 | 1/4" | 3" | — |
| 0992394 | 1/4" | 4" | — |
| 0992395 | 1/4" | 5" | — |
| 0992396 | 1/4" | 6" | — |
| 0992397 | 3/8" | 1/2" | — |
| 0992398 | 3/8" | 3/4" | — |
| 0992399 | 3/8" | 1" | — |
| 0992400 | 3/8" | 1-1/4" | — |
| 0992401 | 3/8" | 1-1/2" | — |
| 0992402 | 3/8" | 1-3/4" | — |
| 0992403 | 3/8" | 2" | — |
| 0992404 | 3/8" | 2-1/2" | — |
| 0992405 | 3/8" | 3" | — |
| 0950498 | 3/8" | 3-1/2" | — |
| 0992406 | 3/8" | 4" | — |
| 0992407 | 3/8" | 6" | — |
| 0992408 | 1/2" | 3/4" | — |
| 0992409 | 1/2" | 1" | — |
| 0992410 | 1/2" | 1-1/4" | — |
| 0992411 | 1/2" | 1-1/2" | — |
| 0992412 | 1/2" | 1-3/4" | — |
| 0992413 | 1/2" | 2" | — |
| 0992414 | 1/2" | 2-1/2" | — |
| 0992415 | 1/2" | 3" | — |
| 0992416 | 1/2" | 4" | — |
| 0992417 | 1/2" | 5" | — |
| 0992418 | 1/2" | 6" | — |
| 0992419 | 5/8" | 3/4" | — |
| 0992420 | 5/8" | 1" | — |
| 0992421 | 5/8" | 1-1/4" | — |
| 0992422 | 5/8" | 1-1/2" | — |
| 0992423 | 5/8" | 1-3/4" | — |
| 0992424 | 5/8" | 2" | — |
| 0992425 | 5/8" | 2-1/2" | — |
| 0992426 | 5/8" | 3" | — |
| 0950499 | 5/8" | 4" | — |
| 0992427 | 3/4" | 1" | — |
| 0992428 | 3/4" | 1-1/4" | — |
| 0992429 | 3/4" | 1-1/2" | — |
| 0992430 | 3/4" | 1-3/4" | — |
| 0992431 | 3/4" | 2" | — |
| 0992432 | 3/4" | 2-1/2" | — |
| 0992433 | 3/4" | 3" | — |
| 0992434 | 3/4" | 4" | — |
| 0950500 | 3/4" | 6" | — |
| 0950501 | 1" | 1-1/4" | — |
| 0992435 | 1" | 1-1/2" | — |
| 0950502 | 1" | 1-3/4" | — |

RECTANGULAR BARS

Rectangular Bars Cont.

| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0992436 | 1" | 2" | ^ |
| 0992437 | 1" | 2-1/2" | — |
| 0992438 | 1" | 3" | — |
| 0992439 | 1" | 4" | — |
| 0950503 | 1" | 6" | — |
| 0992440 | 1-1/4" | 1-1/2" | — |
| 0992441 | 1-1/4" | 2" | — |
| 0992442 | 1-1/4" | 3" | — |
| 0950504 | 1-1/4" | 4" | — |
| 0950505 | 1-1/2" | 2" | — |
| 0950506 | 1-1/2" | 3" | — |
| 0950507 | 2" | 3" | — |

Rectangular Bars 304 Stainless

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0992556 | 1/8" | 1/2" | ^ |
| 0992557 | 1/8" | 5/8" | — |
| 0992558 | 1/8" | 3/4" | — |
| 0992559 | 1/8" | 1" | — |
| 0992560 | 1/8" | 1-1/4" | — |
| 0992561 | 1/8" | 1-1/2" | — |
| 0992562 | 1/8" | 2" | — |
| 0950446 | 1/8" | 2-1/2" | — |
| 0992563 | 1/8" | 3" | — |
| 0992564 | 1/8" | 4" | — |
| 0992565 | 3/16" | 1/2" | — |
| 0950447 | 3/16" | 3/4" | — |
| 0992566 | 3/16" | 1" | — |
| 0992567 | 3/16" | 1-1/4" | — |
| 0992568 | 3/16" | 1-1/2" | — |
| 0992569 | 3/16" | 2" | — |
| 0992570 | 3/16" | 2-1/2" | — |
| 0992571 | 3/16" | 3" | — |
| 0992572 | 3/16" | 4" | — |
| 0992573 | 1/4" | 1/2" | — |
| 0950448 | 1/4" | 5/8" | — |
| 0992574 | 1/4" | 3/4" | — |
| 0992575 | 1/4" | 1" | — |
| 0992576 | 1/4" | 1-1/8" | — |
| 0992577 | 1/4" | 1-1/4" | — |
| 0992578 | 1/4" | 1-1/2" | — |
| 0992579 | 1/4" | 1-3/4" | — |
| 0992580 | 1/4" | 2" | — |
| 0992581 | 1/4" | 2-1/2" | — |
| 0992582 | 1/4" | 3" | — |
| 0992583 | 1/4" | 3-1/2" | — |
| 0992584 | 1/4" | 4" | — |
| 0992585 | 1/4" | 5" | — |
| 0992586 | 1/4" | 6" | — |
| 0992587 | 5/16" | 1" | — |
| 0992588 | 5/16" | 2" | — |
| 0992589 | 3/8" | 1/2" | — |
| 0992590 | 3/8" | 3/4" | — |
| 0992591 | 3/8" | 1" | — |
| 0992592 | 3/8" | 1-1/4" | — |
| 0992593 | 3/8" | 1-1/2" | — |
| 0992594 | 3/8" | 1-3/4" | — |
| 0992595 | 3/8" | 2" | — |
| 0992596 | 3/8" | 2-1/2" | — |
| 0992597 | 3/8" | 3" | — |
| 0950449 | 3/8" | 3-1/2" | — |
| 0992598 | 3/8" | 4" | — |
| 0992599 | 3/8" | 6" | — |
| 0992600 | 1/2" | 3/4" | — |
| 0992601 | 1/2" | 1" | — |
| 0992602 | 1/2" | 1-1/4" | — |
| 0992603 | 1/2" | 1-1/2" | — |
| 0992604 | 1/2" | 1-3/4" | — |
| 0992605 | 1/2" | 2" | — |
| 0992606 | 1/2" | 2-1/2" | — |
| 0992607 | 1/2" | 3" | — |

| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0992608 | 1/2" | 3-1/2" | ^ |
| 0992609 | 1/2" | 4" | — |
| 0992610 | 1/2" | 5" | — |
| 0992611 | 1/2" | 6" | — |
| 0992612 | 5/8" | 1" | — |
| 0950450 | 5/8" | 1-1/4" | — |
| 0992613 | 5/8" | 1-1/2" | — |
| 0992614 | 5/8" | 2" | — |
| 0992615 | 5/8" | 2-1/2" | — |
| 0992616 | 5/8" | 3" | — |
| 0950452 | 5/8" | 4" | — |
| 0992617 | 3/4" | 1" | — |
| 0950453 | 3/4" | 1-1/4" | — |
| 0992618 | 3/4" | 1-1/2" | — |
| 0992619 | 3/4" | 2" | — |
| 0992620 | 3/4" | 2-1/2" | — |
| 0992621 | 3/4" | 3" | — |
| 0992622 | 3/4" | 4" | — |
| 0992623 | 3/4" | 5" | — |
| 0992624 | 3/4" | 6" | — |
| 0992625 | 1" | 1-1/4" | — |
| 0992626 | 1" | 1-1/2" | — |
| 0992627 | 1" | 2" | — |
| 0992628 | 1" | 2-1/2" | — |
| 0992629 | 1" | 3" | — |
| 0992630 | 1" | 4" | — |
| 0950454 | 1" | 5" | — |
| 0950455 | 1" | 6" | — |
| 0950456 | 1-1/4" | 1-1/2" | — |
| 0950457 | 1-1/4" | 2" | — |
| 0950458 | 1-1/4" | 3" | — |
| 0950459 | 1-1/4" | 4" | — |
| 0950460 | 1-1/2" | 2" | — |
| 0950461 | 1-1/2" | 3" | — |
| 0950462 | 1-1/2" | 4" | — |
| 0950463 | 1-1/2" | 6" | — |
| 0950464 | 2" | 3" | — |
| 0950465 | 2" | 4" | — |
| 0950466 | 2" | 6" | — |

Rectangular Bar 316 Stainless Steel

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0950486 | 1/8" | 1" | ^ |
| 0950487 | 1/8" | 1-1/2" | — |
| 0992777 | 1/4" | 1" | — |
| 0950489 | 1/4" | 1-1/2" | — |
| 0992778 | 1/4" | 2" | — |
| 0992779 | 1/4" | 3" | — |
| 0950490 | 3/8" | 1" | — |
| 0950491 | 3/8" | 1-1/2" | — |
| 0992780 | 3/8" | 2" | — |
| 0950492 | 1/2" | 1" | — |
| 0950493 | 1/2" | 1-1/2" | — |
| 0992781 | 1/2" | 2" | — |
| 0992782 | 1/2" | 3" | — |
| 0992783 | 3/4" | 1-1/2" | — |
| 0992784 | 3/4" | 2" | — |
| 0950494 | 3/4" | 2-1/2" | — |
| 0992785 | 3/4" | 3" | — |
| 0950495 | 3/4" | 4" | — |
| 0992786 | 1" | 2" | — |

Rectangular Bar 17-4 PH Stainless Steel

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0991640 | 1/4" | 1" | ^ |
| 0991641 | 1/4" | 1-1/4" | — |
| 0991642 | 1/4" | 3" | — |
| 0991643 | 3/8" | 1" | — |
| 0991644 | 3/8" | 2" | — |
| 0991645 | 3/8" | 3" | — |
| 0991646 | 1/2" | 1" | — |
| 0991647 | 1/2" | 1-1/2" | — |
| 0991648 | 1/2" | 2" | — |
| 0991649 | 1/2" | 3" | — |
| 0991650 | 3/4" | 1" | — |
| 0991651 | 3/4" | 1-1/2" | — |
| 0991652 | 3/4" | 2" | — |
| 0991653 | 3/4" | 3" | — |
| 0991654 | 1" | 1-1/4" | — |
| 0991655 | 1" | 2" | — |
| 0991656 | 1" | 3" | — |
| 0991657 | 1-1/4" | 1-1/2" | — |
| 0991658 | 1-1/4" | 2-1/4" | — |
| 0991659 | 1-1/4" | 2-1/2" | — |

Rectangular Bar 110 Copper

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



| Part No. | Thickness | Width | UOM /ln |
|----------|-----------|--------|------------|
| 0986132 | 1/16" | 1/2" | ^ |
| 0986133 | 1/16" | 5/8" | — |
| 0986134 | 1/16" | 3/4" | — |
| 0986135 | 1/16" | 1" | — |
| 0986136 | 1/8" | 1/2" | — |
| 0986137 | 1/8" | 3/4" | — |
| 0986138 | 1/8" | 1" | — |
| 0950467 | 1/8" | 1-1/4" | — |
| 0986139 | 1/8" | 1-1/2" | — |
| 0986140 | 1/8" | 2" | — |
| 0950468 | 1/8" | 3" | — |
| 0986141 | 1/8" | 4" | — |
| 0986142 | 1/8" | 6" | — |
| 0986143 | 3/16" | 3/4" | — |
| 0986144 | 3/16" | 1" | — |
| 0986145 | 3/16" | 1-1/2" | — |
| 0986146 | 3/16" | 2" | — |
| 0986147 | 3/16" | 3" | — |
| 0986148 | 3/16" | 4" | — |
| 0986149 | 1/4" | 1/2" | — |
| 0986150 | 1/4" | 3/4" | — |
| 0986151 | 1/4" | 1" | — |
| 0986264 | 1/4" | 1-3/8" | — |
| 0986152 | 1/4" | 1-1/2" | — |
| 0986266 | 1/4" | 1-3/4" | — |
| 0986153 | 1/4" | 2" | — |
| 0986154 | 1/4" | 3" | — |
| 0986270 | 1/4" | 4" | — |
| 0986271 | 1/4" | 5" | — |
| 0986155 | 1/4" | 6" | — |
| 0950472 | 3/8" | 3/4" | — |
| 0986156 | 3/8" | 1" | — |
| 0950473 | 3/8" | 1-1/4" | — |
| 0986157 | 3/8" | 1-1/2" | — |
| 0986158 | 3/8" | 2" | — |
| 0950474 | 3/8" | 3" | — |
| 0986159 | 3/8" | 4" | — |
| 0986160 | 3/8" | 6" | — |
| 0986161 | 1/2" | 1" | — |

BAR STOCK

RECTANGULAR BARS, ANGLE

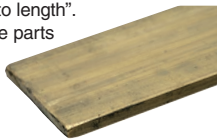
Rectangular Bars Cont.

BAR STOCK

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0986162 | 1/2" | 1-1/2" | ^ |
| 0986163 | 1/2" | 2" | — |
| 0950475 | 1/2" | 2-1/2" | — |
| 0950476 | 1/2" | 3" | — |
| 0986164 | 1/2" | 4" | — |
| 0986165 | 1/2" | 6" | — |
| 0986166 | 5/8" | 1" | — |
| 0986167 | 5/8" | 1-1/2" | — |
| 0986168 | 5/8" | 2" | — |
| 0950477 | 5/8" | 3" | — |
| 0986169 | 5/8" | 4" | — |
| 0950478 | 3/4" | 1" | — |
| 0986170 | 3/4" | 1-1/2" | — |
| 0986171 | 3/4" | 2" | — |
| 0986172 | 3/4" | 3" | — |
| 0986293 | 3/4" | 4" | — |
| 0986294 | 3/4" | 6" | — |
| 0950480 | 1" | 2" | — |
| 0950481 | 1" | 3" | — |
| 0950482 | 1" | 4" | — |
| 0950483 | 1" | 6" | — |

Rectangular Bars 360 Brass

- Standard bar lengths are 12' (144") Random Lengths, or have it "cut to length".
- Size Tolerances for these parts are found at the end of the section.



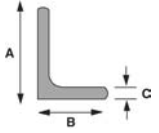
| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0950425 | 3/32" | 1" | ^ |
| 0986732 | 1/8" | 1/4" | — |
| 0986733 | 1/8" | 3/8" | — |
| 0986734 | 1/8" | 1/2" | — |
| 0986735 | 1/8" | 5/8" | — |
| 0986736 | 1/8" | 3/4" | — |
| 0986737 | 1/8" | 1" | — |
| 0986738 | 1/8" | 1-1/4" | — |
| 0986739 | 1/8" | 1-1/2" | — |
| 0986740 | 1/8" | 2" | — |
| 0986741 | 1/8" | 2-1/2" | — |
| 0986742 | 1/8" | 3" | — |
| 0986743 | 1/8" | 4" | — |
| 0986744 | 3/16" | 1/4" | — |
| 0986745 | 3/16" | 3/8" | — |
| 0986746 | 3/16" | 1/2" | — |
| 0986747 | 3/16" | 5/8" | — |
| 0986748 | 3/16" | 3/4" | — |
| 0986749 | 3/16" | 1" | — |
| 0986750 | 3/16" | 1-1/4" | — |
| 0986751 | 3/16" | 1-1/2" | — |
| 0986752 | 3/16" | 2" | — |
| 0986753 | 3/16" | 2-1/2" | — |
| 0986754 | 3/16" | 3" | — |
| 0986755 | 3/16" | 4" | — |
| 0986756 | 1/4" | 5/16" | — |
| 0986757 | 1/4" | 3/8" | — |
| 0986758 | 1/4" | 1/2" | — |
| 0986759 | 1/4" | 5/8" | — |
| 0986760 | 1/4" | 3/4" | — |
| 0986761 | 1/4" | 1" | — |
| 0986762 | 1/4" | 1-1/4" | — |
| 0986763 | 1/4" | 1-1/2" | — |
| 0950427 | 1/4" | 1-3/4" | — |
| 0986764 | 1/4" | 2" | — |
| 0986765 | 1/4" | 2-1/2" | — |
| 0986766 | 1/4" | 3" | — |
| 0986767 | 1/4" | 4" | — |

| Part No. | Thickness | Width | UOM /In |
|----------|-----------|--------|---------|
| 0986768 | 5/16" | 3/8" | ^ |
| 0986769 | 5/16" | 1/2" | — |
| 0986770 | 5/16" | 5/8" | — |
| 0986771 | 5/16" | 3/4" | — |
| 0986772 | 5/16" | 1" | — |
| 0986773 | 5/16" | 1-1/2" | — |
| 0986774 | 5/16" | 2" | — |
| 0950430 | 3/8" | 1/2" | — |
| 0950431 | 3/8" | 5/8" | — |
| 0999850 | 3/8" | 3/4" | — |
| 0986775 | 3/8" | 1" | — |
| 0986776 | 3/8" | 1-1/4" | — |
| 0986777 | 3/8" | 1-1/2" | — |
| 0986778 | 3/8" | 2" | — |
| 0986779 | 3/8" | 2-1/2" | — |
| 0986780 | 3/8" | 3" | — |
| 0986781 | 3/8" | 4" | — |
| 0986782 | 1/2" | 5/8" | — |
| 0986783 | 1/2" | 3/4" | — |
| 0986784 | 1/2" | 1" | — |
| 0986785 | 1/2" | 1-1/4" | — |
| 0986786 | 1/2" | 1-1/2" | — |
| 0986787 | 1/2" | 2" | — |
| 0986788 | 1/2" | 2-1/2" | — |
| 0986789 | 1/2" | 3" | — |
| 0986790 | 1/2" | 4" | — |
| 0986791 | 5/8" | 3/4" | — |
| 0986792 | 5/8" | 7/8" | — |
| 0986793 | 5/8" | 1" | — |
| 0986794 | 5/8" | 1-1/4" | — |
| 0950432 | 5/8" | 1-1/2" | — |
| 0986795 | 5/8" | 2" | — |
| 0950433 | 5/8" | 3" | — |
| 0950434 | 5/8" | 4" | — |
| 0986796 | 3/4" | 1" | — |
| 0950435 | 3/4" | 1-1/4" | — |
| 0950436 | 3/4" | 1-1/2" | — |
| 0986797 | 3/4" | 2" | — |
| 0986798 | 3/4" | 2-1/2" | — |
| 0986799 | 3/4" | 3" | — |
| 0950437 | 3/4" | 4" | — |
| 0986800 | 1" | 1-1/4" | — |
| 0986801 | 1" | 1-1/2" | — |
| 0986802 | 1" | 2" | — |
| 0986803 | 1" | 2-1/2" | — |
| 0986804 | 1" | 3" | — |
| 0950438 | 1" | 4" | — |
| 0950439 | 1-1/4" | 2" | — |
| 0950440 | 1-1/4" | 2-1/2" | — |
| 0950441 | 1-1/2" | 2" | — |
| 0950442 | 1-1/2" | 2-1/2" | — |
| 0950443 | 1-1/2" | 3" | — |
| 0950444 | 1-1/2" | 4" | — |
| 0950445 | 2" | 4" | — |

Angle

A36 Steel Angle

Hot rolled, Standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". A low carbon mild steel. Good for general purpose use with excellent welding and forming capabilities. Conforms to ASTM A36.



A36 Steel Angle

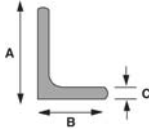
| Part No. | Leg A | Leg B | Thickness | UOM /In |
|----------|--------|--------|-----------|---------|
| 0950000 | 1/2" | 1/2" | 1/8" | ^ |
| 0987323 | 3/4" | 3/4" | 1/8" | — |
| 0950001 | 1" | 3/4" | 1/8" | — |
| 0987324 | 1" | 1" | 1/8" | — |
| 0987325 | 1-1/4" | 1-1/4" | 1/8" | — |
| 0987326 | 1-1/2" | 1-1/2" | 1/8" | — |
| 0950002 | 1-3/4" | 1-3/4" | 1/8" | — |
| 0950003 | 2" | 1-1/2" | 1/8" | — |
| 0987327 | 2" | 2" | 1/8" | — |
| 0999976 | 1" | 1" | 3/16" | — |
| 0950004 | 1-1/4" | 1-1/4" | 3/16" | — |
| 0987328 | 1-1/2" | 1-1/2" | 3/16" | — |
| 0950005 | 1-3/4" | 1-3/4" | 3/16" | — |
| 0950006 | 2" | 1-1/2" | 3/16" | — |
| 0999975 | 2" | 2" | 3/16" | — |
| 0950007 | 2-1/2" | 1-1/2" | 3/16" | — |
| 0950008 | 2-1/2" | 2" | 3/16" | — |
| 0950009 | 2-1/2" | 2-1/2" | 3/16" | — |
| 0950010 | 3" | 2" | 3/16" | — |
| 0950012 | 3" | 3" | 3/16" | — |
| 0999974 | 1" | 1" | 1/4" | — |
| 0950013 | 1-1/4" | 1-1/4" | 1/4" | — |
| 0987329 | 1-1/2" | 1-1/2" | 1/4" | — |
| 0950014 | 1-3/4" | 1-3/4" | 1/4" | — |
| 0950015 | 2" | 1-1/2" | 1/4" | — |
| 0987330 | 2" | 2" | 1/4" | — |
| 0950016 | 2-1/2" | 2" | 1/4" | — |
| 0987331 | 2-1/2" | 2-1/2" | 1/4" | — |
| 0950017 | 3" | 2" | 1/4" | — |
| 0950018 | 3" | 2-1/2" | 1/4" | — |
| 0987332 | 3" | 3" | 1/4" | — |
| 0950019 | 3-1/2" | 2-1/2" | 1/4" | — |
| 0950020 | 3-1/2" | 3" | 1/4" | — |
| 0950021 | 3-1/2" | 3-1/2" | 1/4" | — |
| 0950022 | 4" | 3" | 1/4" | — |
| 0950023 | 4" | 3-1/2" | 1/4" | — |
| 0950024 | 4" | 4" | 1/4" | — |
| 0950025 | 5" | 3" | 1/4" | — |
| 0950026 | 2" | 2" | 3/8" | — |
| 0950027 | 2-1/2" | 2-1/2" | 3/8" | — |
| 0950028 | 3" | 2" | 3/8" | — |
| 0950029 | 3" | 2-1/2" | 3/8" | — |
| 0950030 | 3" | 3" | 3/8" | — |
| 0950031 | 3-1/2" | 2-1/2" | 3/8" | — |
| 0950032 | 3-1/2" | 3" | 3/8" | — |
| 0950033 | 3-1/2" | 3-1/2" | 3/8" | — |
| 0950034 | 4" | 3" | 3/8" | — |
| 0950035 | 4" | 4" | 3/8" | — |
| 0950036 | 5" | 3" | 3/8" | — |
| 0950037 | 5" | 5" | 3/8" | — |
| 0950044 | 6" | 4" | 3/8" | — |
| 0950039 | 6" | 6" | 3/8" | — |
| 0950040 | 2-1/2" | 2-1/2" | 1/2" | — |
| 0950041 | 3" | 3" | 1/2" | — |
| 0950042 | 4" | 3" | 1/2" | — |
| 0950043 | 4" | 4" | 1/2" | — |
| 0950038 | 6" | 4" | 1/2" | — |
| 0950045 | 6" | 6" | 1/2" | — |
| 0950046 | 4" | 4" | 3/4" | — |
| 0950047 | 6" | 6" | 3/4" | — |
| 0950048 | 8" | 8" | 3/4" | — |
| 0950049 | 6" | 6" | 1" | — |

ANGLE, PRE-PUNCHED ANGLE, I-BEAMS, STEEL CHANNEL

Angle Cont.

A36 Galvanized Steel Angle

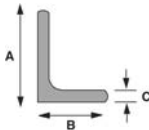
Hot rolled, standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". A low carbon mild steel with good corrosion resistance. Good for general purpose use with excellent welding and forming capabilities. Conforms to ASTM A36.



| Part No. | Leg A | Leg B | Thickness | UOM |
|----------|--------|--------|-----------|-----|
| 0987415 | 3/4" | 3/4" | 1/8" | /In |
| 0987416 | 1" | 1" | 1/8" | — |
| 0987417 | 1-1/4" | 1-1/4" | 1/8" | — |
| 0999973 | 1-1/2" | 1-1/2" | 1/8" | — |
| 0999972 | 2" | 2" | 1/8" | — |
| 0950050 | 1-1/2" | 1-1/2" | 3/16" | — |
| 0987418 | 2" | 2" | 3/16" | — |
| 0999971 | 1" | 1" | 1/4" | — |
| 0999970 | 1-1/2" | 1-1/2" | 1/4" | — |
| 0999969 | 2" | 2" | 1/4" | — |
| 0950051 | 2-1/2" | 2-1/2" | 1/4" | — |
| 0950052 | 3" | 3" | 1/4" | — |

304 Stainless Steel Angle

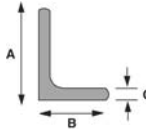
Standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". The most widely used of the stainless steels, 304 is highly corrosion resistant and easily welded. Conforms to ASTM A276/A479 Condition A.



| Part No. | Leg A | Leg B | Thickness | UOM |
|----------|--------|--------|-----------|-----|
| 0950074 | 3/4" | 3/4" | 1/8" | /In |
| 0992651 | 1" | 1" | 1/8" | — |
| 0992652 | 1-1/4" | 1-1/4" | 1/8" | — |
| 0992653 | 1-1/2" | 1-1/2" | 1/8" | — |
| 0992654 | 2" | 2" | 1/8" | — |
| 0992655 | 1" | 1" | 3/16" | — |
| 0992656 | 1-1/4" | 1-1/4" | 3/16" | — |
| 0992657 | 1-1/2" | 1-1/2" | 3/16" | — |
| 0992658 | 2" | 2" | 3/16" | — |
| 0992659 | 2-1/2" | 2-1/2" | 3/16" | — |
| 0992660 | 1" | 1" | 1/4" | — |
| 0992661 | 1-1/4" | 1-1/4" | 1/4" | — |
| 0992662 | 1-1/2" | 1-1/2" | 1/4" | — |
| 0992663 | 2" | 2" | 1/4" | — |
| 0992664 | 2-1/2" | 2-1/2" | 1/4" | — |
| 0992665 | 3" | 3" | 1/4" | — |
| 0950075 | 4" | 4" | 1/4" | — |
| 0992666 | 2" | 2" | 3/8" | — |
| 0992667 | 2-1/2" | 2-1/2" | 3/8" | — |
| 0992668 | 3" | 3" | 3/8" | — |
| 0950076 | 4" | 4" | 3/8" | — |

6061-T6 Aluminum Angle

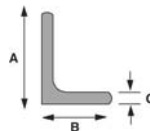
Standard bar lengths are 25' (300") Random Lengths, or have it "cut to length". This is the most versatile of the heat treatable aluminum alloys, commonly used where welding and brazing is required. Conforms to ASTM B308.



| Part No. | Leg A | Leg B | Thickness | UOM |
|----------|--------|--------|-----------|-----|
| 0984452 | 3/4" | 3/4" | 1/8" | /In |
| 0984453 | 1" | 1" | 1/8" | — |
| 0984454 | 1-1/4" | 1-1/4" | 1/8" | — |
| 0984455 | 1-1/2" | 1-1/2" | 1/8" | — |
| 0950053 | 1-3/4" | 1-3/4" | 1/8" | — |
| 0950054 | 2" | 1-1/2" | 1/8" | — |
| 0984456 | 2" | 2" | 1/8" | — |
| 0984457 | 1" | 1" | 3/16" | — |
| 0984458 | 1-1/4" | 1-1/4" | 3/16" | — |
| 0984459 | 1-1/2" | 1-1/2" | 3/16" | — |
| 0950055 | 1-3/4" | 1-3/4" | 3/16" | — |
| 0984460 | 2" | 2" | 3/16" | — |
| 0950056 | 3" | 2" | 3/16" | — |
| 0950057 | 3" | 3" | 3/16" | — |
| 0984461 | 1" | 1" | 1/4" | — |
| 0984462 | 1-1/4" | 1-1/4" | 1/4" | — |
| 0984463 | 1-1/2" | 1-1/2" | 1/4" | — |
| 0984464 | 1-3/4" | 1-3/4" | 1/4" | — |
| 0984465 | 2" | 2" | 1/4" | — |
| 0950058 | 2-1/2" | 2" | 1/4" | — |
| 0984466 | 2-1/2" | 2-1/2" | 1/4" | — |
| 0950059 | 3" | 2" | 1/4" | — |
| 0984467 | 3" | 3" | 1/4" | — |
| 0950060 | 4" | 3" | 1/4" | — |
| 0984468 | 4" | 4" | 1/4" | — |
| 0984469 | 2" | 2" | 3/8" | — |
| 0984470 | 2-1/2" | 2-1/2" | 3/8" | — |
| 0950061 | 3" | 2" | 3/8" | — |
| 0984471 | 3" | 3" | 3/8" | — |
| 0950062 | 4" | 3" | 3/8" | — |
| 0984472 | 4" | 4" | 3/8" | — |
| 0950063 | 5" | 3" | 3/8" | — |
| 0950064 | 6" | 4" | 3/8" | — |
| 0984473 | 6" | 6" | 3/8" | — |
| 0984474 | 3" | 3" | 1/2" | — |
| 0984475 | 4" | 4" | 1/2" | — |
| 0984476 | 5" | 5" | 1/2" | — |
| 0950065 | 6" | 6" | 1/2" | — |

6063-T52 Aluminum Angle Square Corners

Standard bar lengths are 16' (192") Random Lengths, or have it "cut to length". Commonly referred to as "architectural alloy", this material has relatively high tensile properties, excellent finishing characteristics and high corrosion resistance.



| Part No. | Leg A | Leg B | Thickness | UOM |
|----------|--------|--------|-----------|-----|
| 0984526 | 1/2" | 1/2" | 1/16" | /In |
| 0984527 | 3/4" | 3/4" | 1/16" | — |
| 0984528 | 1" | 1" | 1/16" | — |
| 0984529 | 1/2" | 1/2" | 1/8" | — |
| 0984530 | 3/4" | 3/4" | 1/8" | — |
| 0984531 | 1" | 1" | 1/8" | — |
| 0984532 | 1-1/4" | 1-1/4" | 1/8" | — |
| 0984533 | 1-1/2" | 1-1/2" | 1/8" | — |
| 0984534 | 1-3/4" | 1-3/4" | 1/8" | — |
| 0984535 | 2" | 2" | 1/8" | — |
| 0984536 | 1" | 1" | 3/16" | — |
| 0984537 | 1-1/4" | 1-1/4" | 3/16" | — |
| 0984538 | 1-1/2" | 1-1/2" | 3/16" | — |
| 0984539 | 2" | 2" | 3/16" | — |
| 0950072 | 1-1/2" | 1-1/2" | 1/4" | — |
| 0950073 | 2" | 2" | 1/4" | — |

Pre-Punched Angle

Pre-Galvanized Stock; Round Holes, 1" centers for 3/8" bolts.



Sold in full length bars only.

| Part No. | Ga. | Lgth. | Leg A | Leg B | Price /Ea |
|----------|-----|-------|--------|--------|-----------|
| 0952094 | 18 | 10' | 1-1/4" | 1-1/4" | \$5.75 |
| 48181 | 16 | 8' | 1-1/4" | 1-1/4" | 5.20 |
| 0952095 | 16 | 10' | 1-1/4" | 1-1/4" | 6.50 |
| 41182 | 14 | 8' | 1-1/4" | 1-1/4" | 5.60 |
| 0952096 | 14 | 10' | 1-1/4" | 1-1/4" | 7.00 |
| 0952100 | 14 | 10' | 1-1/2" | 1-1/2" | 11.00 |
| 0952104 | 14 | 10' | 2" | 2" | 14.00 |
| 0952107 | 14 | 10' | 1-1/2" | 2-1/2" | 14.00 |
| 48180 | 13 | 8' | 1-1/4" | 1-1/4" | 6.00 |
| 41183 | 13 | 10' | 1-1/4" | 1-1/4" | 7.50 |
| 0952098 | 12 | 10' | 1-1/4" | 1-1/4" | 9.25 |
| 0952102 | 12 | 10' | 1-1/2" | 1-1/2" | 12.75 |
| 41184 | 12 | 10' | 2" | 2" | 15.00 |
| 0952109 | 12 | 10' | 1-1/2" | 2-1/2" | 15.25 |

I-Beams

Hot rolled, standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". A low carbon mild steel good for general purpose use with excellent welding and forming capabilities. Conforms to ASTM A36.

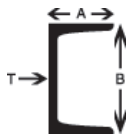


| Part No. | Depth | Flange Width | Flange Thick. | Web Thick. | Weight /Foot | UOM |
|----------|-------|--------------|---------------|------------|--------------|-----|
| 0952369 | 3 | 2.33" | .26" | .170" | 5.7 lbs. | /In |
| 0952370 | 3 | 2.51" | .26" | .349" | 7.5 lbs. | — |
| 0952371 | 4 | 2.66" | .293" | .193" | 7.7 lbs. | — |
| 0952372 | 4 | 2.80" | .293" | .326" | 9.5 lbs. | — |
| 0952373 | 5 | 3.00" | .326" | .214" | 10 lbs. | — |
| 0952374 | 6 | 3.33" | .359" | .232" | 12.5 lbs. | — |
| 0952375 | 6 | 3.57" | .359" | .465" | 17.25 lbs. | — |
| 0952376 | 8 | 4.00" | .425" | .271" | 18.4 lbs. | — |
| 0952377 | 8 | 4.17" | .425" | .441" | 23 lbs. | — |
| 0952378 | 10 | 4.66" | .491" | .311" | 25.4 lbs. | — |
| 0952379 | 10 | 4.94" | .491" | .594" | 35 lbs. | — |
| 0952380 | 12 | 5.00" | .544" | .350" | 31.8 lbs. | — |

Steel Channel

A36 Channel

Hot rolled, standard bar lengths are 20' (240") Random Lengths, or have it "cut to length". A low carbon mild steel good for general purpose use with excellent welding and forming capabilities. Conforms to ASTM A36.



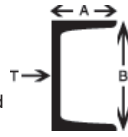
| Part No. | Thickness | Leg A | Leg B | UOM |
|----------|-----------|-------|-------|-----|
| 0999851 | 1/8" | 1" | 2" | /In |
| 0999858 | .17" | 1.41" | 3" | — |
| 0999857 | .18" | 1.58" | 4" | — |
| 0999856 | .19" | 1.75" | 5" | — |
| 0999855 | .20" | 1.92" | 6" | — |

ALUMINUM CHANNEL, TEE BAR, TUBE & PIPE, ROUND TUBE

Aluminum Channel

6063-T52 Aluminum Channel

Standard bar lengths are 16' (192") Random Lengths, or have it "cut to length". Commonly referred to as "architectural alloy", this material has relatively high tensile properties, excellent finishing characteristics and high corrosion resistance.



| Part No. | Thickness | Leg A | Leg B | UOM |
|----------|-----------|--------|--------|-----|
| | | | | /ln |
| 0984510 | 3/32" | 1/2" | 1/2" | — |
| 0984511 | 1/8" | 3/8" | 3/4" | — |
| 0984512 | 1/8" | 1/2" | 3/4" | — |
| 0984513 | 1/8" | 1/2" | 1-1/2" | — |
| 0984514 | 1/8" | 3/4" | 1/2" | — |
| 0984515 | 1/8" | 3/4" | 3/4" | — |
| 0984516 | 1/8" | 1" | 1" | — |
| 0984517 | 1/8" | 1-1/4" | 1-1/4" | — |
| 0984518 | 1/8" | 1-1/2" | 1-1/2" | — |
| 0984519 | 1/8" | 1/2" | 2" | — |
| 0984520 | 1/8" | 3/4" | 1-3/4" | — |
| 0984521 | 1/8" | 1" | 1-3/4" | — |
| 0984522 | 1/8" | 1" | 2" | — |
| 0984523 | 1/8" | 1" | 3" | — |
| 0984524 | 1/4" | 2" | 2" | — |
| 0984525 | 3/16" | 2" | 5" | — |

Tee Bar (T-Bar)

Tee Bar

- Standard bar lengths are 20' (240") Random Lengths, or have them "cut to length".
- Hot rolled material: ASTM A36



| Part No. | Thickness | Stem Length | Flange | UOM |
|----------|-----------|-------------|--------|-----|
| | | | | /ln |
| 0952145 | 1/8" | 1" | 1" | — |
| 0952146 | 1/8" | 1-1/4" | 1-1/4" | — |
| 0952147 | 3/16" | 1-1/2" | 1-1/2" | — |
| 0952148 | 1/4" | 1-1/2" | 1-1/2" | — |
| 0952149 | 1/4" | 2" | 2" | — |
| 0952150 | 1/4" | 2-1/2" | 2-1/2" | — |

Tube & Pipe Information

- Pipe is generally more rigid than tube, and is usually produced in heavier wall thicknesses.
- Pipe is measured by Inside Diameter (ID), and Tube is measured by Outside Diameter (OD).
- Pipe fittings are sized to meet pipe sizes, but not tube sizes. IE: a 1" schedule 40 nipple will fit correctly on a 1" schedule 40 pipe, but not on a 1" OD tube.
- All tube gauges are stated in the Birmingham Wire Gauge (BWG) system.

Round Tube

D.O.M. Steel Round Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Electric resistance welded mechanical tube that has been finished by cold drawing through a die and over a mandrel. It has very good machinability, is strong and economical but has poor corrosion resistance. Conforms to ASTM A513, Type 5. Size Tolerances for these parts are found at the end of the section.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM |
|----------|--------|--------|-----------|-------|-----|
| | | | | | /ln |
| 0950913 | 1/4" | 0.194" | 0.028" | 22 | — |
| 0950914 | 1/4" | 0.180" | 0.035" | 20 | — |
| 0950915 | 1/4" | 0.152" | 0.049" | 18 | — |
| 0950916 | 5/16" | 0.243" | 0.035" | 20 | — |
| 0950917 | 5/16" | 0.183" | 0.065" | 16 | — |
| 0950918 | 3/8" | 0.305" | 0.035" | 20 | — |
| 0950919 | 3/8" | 0.277" | 0.049" | 18 | — |
| 0950920 | 3/8" | 0.245" | 0.065" | 16 | — |
| 0950921 | 1/2" | 0.430" | 0.035" | 20 | — |
| 0950922 | 1/2" | 0.402" | 0.049" | 18 | — |
| 0950923 | 1/2" | 0.370" | 0.065" | 16 | — |
| 0950924 | 1/2" | 0.310" | 0.095" | 13 | — |
| 0950925 | 1/2" | 0.282" | 0.109" | 12 | — |
| 0950926 | 1/2" | 0.260" | 0.120" | 11 | — |
| 0950927 | 5/8" | 0.555" | 0.035" | 20 | — |
| 0950928 | 5/8" | 0.495" | 0.065" | 16 | — |
| 0950929 | 5/8" | 0.385" | 0.120" | 11 | — |
| 0950930 | 3/4" | 0.680" | 0.035" | 20 | — |
| 0950931 | 3/4" | 0.652" | 0.049" | 18 | — |
| 0950932 | 3/4" | 0.620" | 0.065" | 16 | — |
| 0950933 | 3/4" | 0.584" | 0.083" | 14 | — |
| 0950934 | 3/4" | 0.560" | 0.095" | 13 | — |
| 0950935 | 3/4" | 0.532" | 0.109" | 12 | — |
| 0950936 | 3/4" | 0.510" | 0.120" | 11 | — |
| 0950937 | 3/4" | 0.374" | 0.188" | 3/16 | — |
| 0950938 | 7/8" | 0.805" | 0.035" | 20 | — |
| 0950939 | 7/8" | 0.777" | 0.049" | 18 | — |
| 0950940 | 7/8" | 0.745" | 0.065" | 16 | — |
| 0950941 | 7/8" | 0.709" | 0.083" | 14 | — |
| 0950942 | 7/8" | 0.657" | 0.109" | 12 | — |
| 0950943 | 7/8" | 0.635" | 0.120" | 11 | — |
| 0950944 | 1" | 0.930" | 0.035" | 20 | — |
| 0950945 | 1" | 0.902" | 0.049" | 18 | — |
| 0950946 | 1" | 0.870" | 0.065" | 16 | — |
| 0950947 | 1" | 0.760" | 0.120" | 11 | — |
| 0950948 | 1" | 0.624" | 0.188" | 3/16 | — |
| 0950949 | 1" | 0.500" | 0.250" | 1/4 | — |
| 0950950 | 1-1/8" | 0.995" | 0.065" | 16 | — |
| 0950951 | 1-1/8" | 0.885" | 0.120" | 11 | — |
| 0950952 | 1-1/8" | 0.625" | 0.250" | 1/4 | — |
| 0950953 | 1-1/4" | 1.152" | 0.049" | 18 | — |
| 0950954 | 1-1/4" | 1.120" | 0.065" | 16 | — |
| 0950955 | 1-1/4" | 1.010" | 0.120" | 11 | — |
| 0950956 | 1-1/4" | 0.874" | 0.188" | 3/16 | — |
| 0950957 | 1-1/4" | 0.750" | 0.250" | 1/4 | — |
| 0950958 | 1-3/8" | 1.245" | 0.065" | 16 | — |
| 0950959 | 1-3/8" | 1.135" | 0.120" | 11 | — |
| 0950960 | 1-3/8" | 0.875" | 0.250" | 1/4 | — |
| 0990667 | 1-1/2" | 1.370" | 0.065" | 16 | — |
| 0990668 | 1-1/2" | 1.334" | 0.083" | 14 | — |
| 0990669 | 1-1/2" | 1.310" | 0.095" | 13 | — |
| 0990670 | 1-1/2" | 1.282" | 0.109" | 12 | — |
| 0950961 | 1-1/2" | 1.124" | 0.188" | 3/16 | — |
| 0950962 | 1-1/2" | 1.000" | 0.250" | 1/4 | — |
| 0950963 | 1-1/2" | 0.750" | 0.375" | 3/8 | — |
| 0950964 | 1-3/4" | 1.374" | 0.188" | 3/16 | — |
| 0950965 | 1-3/4" | 1.250" | 0.250" | 1/4 | — |
| 0950966 | 1-3/4" | 1.000" | 0.375" | 3/8 | — |
| 0990671 | 2" | 1.870" | 0.065" | 16 | — |
| 0990672 | 2" | 1.834" | 0.083" | 14 | — |
| 0990673 | 2" | 1.810" | 0.095" | 13 | — |

| Part No. | O.D. | I.D. | Thickness | Gauge | UOM |
|----------|--------|--------|-----------|-------|-----|
| | | | | | /ln |
| 0990674 | 2" | 1.782" | 0.109" | 12 | — |
| 0950967 | 2" | 1.760" | 0.120" | 11 | — |
| 0950968 | 2" | 1.624" | 0.188" | 3/16 | — |
| 0950969 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0950970 | 2" | 1.250" | 0.375" | 3/8 | — |
| 0999591 | 2" | 1.000" | 0.500" | 1/2 | — |
| 0950972 | 2-1/4" | 2.120" | 0.065" | 16 | — |
| 0950973 | 2-1/4" | 2.010" | 0.120" | 11 | — |
| 0950974 | 2-1/4" | 1.874" | 0.188" | 3/16 | — |
| 0950975 | 2-1/4" | 1.750" | 0.250" | 1/4 | — |
| 0950976 | 2-1/4" | 1.500" | 0.375" | 3/8 | — |
| 0950977 | 2-1/4" | 1.374" | 0.438" | 7/16 | — |
| 0990675 | 2-1/2" | 2.370" | 0.065" | 16 | — |
| 0990676 | 2-1/2" | 2.334" | 0.083" | 14 | — |
| 0990677 | 2-1/2" | 2.310" | 0.095" | 13 | — |
| 0990678 | 2-1/2" | 2.282" | 0.109" | 12 | — |
| 0950978 | 2-1/2" | 2.260" | 0.120" | 11 | — |
| 0950979 | 2-1/2" | 2.124" | 0.188" | 3/16 | — |
| 0950980 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0950981 | 2-1/2" | 1.750" | 0.375" | 3/8 | — |
| 0999590 | 2-1/2" | 1.500" | 0.500" | 1/2 | — |
| 0950983 | 2-3/4" | 2.510" | 0.120" | 11 | — |
| 0950984 | 2-3/4" | 2.250" | 0.250" | 1/4 | — |
| 0950985 | 2-3/4" | 2.000" | 0.375" | 3/8 | — |
| 0999589 | 2-3/4" | 1.750" | 0.500" | 1/2 | — |
| 0950987 | 3" | 2.870" | 0.065" | 16 | — |
| 0950988 | 3" | 2.760" | 0.120" | 11 | — |
| 0950989 | 3" | 2.624" | 0.188" | 3/16 | — |
| 0950990 | 3" | 2.500" | 0.250" | 1/4 | — |
| 0950991 | 3" | 2.250" | 0.375" | 3/8 | — |
| 0950992 | 3" | 2.000" | 0.500" | 1/2 | — |
| 0950993 | 3" | 1.750" | 0.625" | 5/8 | — |
| 0950994 | 3-1/4" | 3.010" | 0.120" | 11 | — |
| 0950995 | 3-1/4" | 2.874" | 0.188" | 3/16 | — |
| 0950996 | 3-1/4" | 2.750" | 0.250" | 1/4 | — |
| 0950997 | 3-1/4" | 2.500" | 0.375" | 3/8 | — |
| 0950998 | 3-1/4" | 2.250" | 0.500" | 1/2 | — |
| 0950999 | 3-1/2" | 3.370" | 0.065" | 16 | — |
| 0951000 | 3-1/2" | 3.260" | 0.120" | 11 | — |
| 0951001 | 3-1/2" | 3.124" | 0.188" | 3/16 | — |
| 0951002 | 3-1/2" | 3.000" | 0.250" | 1/4 | — |
| 0951003 | 3-1/2" | 2.750" | 0.375" | 3/8 | — |
| 0951004 | 3-1/2" | 2.500" | 0.500" | 1/2 | — |
| 0951005 | 3-3/4" | 3.510" | 0.120" | 11 | — |
| 0951006 | 3-3/4" | 3.25" | 0.250" | 1/4 | — |
| 0951007 | 3-3/4" | 3.000" | 0.375" | 3/8 | — |
| 0951008 | 3-3/4" | 2.750" | 0.500" | 1/2 | — |
| 0951009 | 4" | 3.760" | 0.120" | 11 | — |
| 0951010 | 4" | 3.624" | 0.188" | 3/16 | — |
| 0951011 | 4" | 3.500" | 0.250" | 1/4 | — |
| 0951012 | 4" | 3.250" | 0.375" | 3/8 | — |
| 0951013 | 4" | 3.000" | 0.500" | 1/2 | — |
| 0951014 | 4-1/4" | 3.750" | 0.250" | 1/4 | — |
| 0951015 | 4-1/4" | 3.500" | 0.375" | 3/8 | — |
| 0951016 | 4-1/4" | 3.250" | 0.500" | 1/2 | — |
| 0951017 | 4-1/2" | 4.260" | 0.120" | 11 | — |
| 0951018 | 4-1/2" | 4.000" | 0.250" | 1/4 | — |
| 0951019 | 4-1/2" | 3.500" | 0.500" | 1/2 | — |
| 0951020 | 4-3/4" | 4.250" | 0.250" | 1/4 | — |
| 0951021 | 4-3/4" | 3.750" | 0.500" | 1/2 | — |
| 0951022 | 5" | 4.760" | 0.120" | 11 | — |
| 0951023 | 5" | 4.500" | 0.250" | 1/4 | — |
| 0951024 | 5" | 4.000" | 0.500" | 1/2 | — |
| 0951025 | 5-1/4" | 4.750" | 0.250" | 1/4 | — |
| 0951026 | 5-1/4" | 4.250" | 0.500" | 1/2 | — |
| 0951027 | 5-1/2" | 5.000" | 0.250" | 1/4 | — |
| 0951028 | 5-1/2" | 4.500" | 0.500" | 1/2 | — |
| 0951029 | 5-3/4" | 4.750" | 0.500" | 1/2 | — |
| 0951030 | 6" | 5.760" | 0.120" | 11 | — |
| 0951031 | 6" | 5.500" | 0.250" | 1/4 | — |
| 0951032 | 6" | 5.000" | 0.500" | 1/2 | — |
| 0951033 | 6-1/4" | 5.750" | 0.250" | 1/4 | — |

Round Tube Cont.

| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|---------|---------|-----------|-------|---------|
| 0951034 | 6-1/4" | 5.250" | 0.500" | 1/2 | ^ |
| 0951035 | 6-1/2" | 6.000" | 0.250" | 1/4 | --- |
| 0951036 | 6-1/2" | 5.500" | 0.500" | 1/2 | --- |
| 0951037 | 6-3/4" | 6.250" | 0.250" | 1/4 | --- |
| 0951038 | 6-3/4" | 5.750" | 0.500" | 1/2 | --- |
| 0951039 | 7" | 6.500" | 0.250" | 1/4 | --- |
| 0951040 | 7" | 6.000" | 0.500" | 1/2 | --- |
| 0951041 | 7" | 5.750" | 0.625" | 5/8 | --- |
| 0951042 | 7-1/2" | 7.000" | 0.250" | 1/4 | --- |
| 0951043 | 7-1/2" | 6.500" | 0.500" | 1/2 | --- |
| 0951044 | 7-1/2" | 6.250" | 0.625" | 5/8 | --- |
| 0951045 | 8" | 7.500" | 0.250" | 1/4 | --- |
| 0951046 | 8" | 7.000" | 0.500" | 1/2 | --- |
| 0951047 | 8" | 6.750" | 0.625" | 5/8 | --- |
| 0951048 | 8-1/2" | 8.000" | 0.250" | 1/4 | --- |
| 0951049 | 8-1/2" | 7.500" | 0.500" | 1/2 | --- |
| 0951050 | 8-1/2" | 7.250" | 0.625" | 5/8 | --- |
| 0951051 | 9" | 8.500" | 0.250" | 1/4 | --- |
| 0951052 | 9" | 8.000" | 0.500" | 1/2 | --- |
| 0951053 | 9-1/2" | 9.000" | 0.250" | 1/4 | --- |
| 0951054 | 9-1/2" | 8.500" | 0.500" | 1/2 | --- |
| 0951055 | 10" | 9.624" | 0.188" | 3/16 | --- |
| 0951056 | 10" | 9.500" | 0.250" | 1/4 | --- |
| 0951057 | 10" | 9.000" | 0.500" | 1/2 | --- |
| 0951058 | 10-1/2" | 10.000" | 0.250" | 1/4 | --- |
| 0951059 | 10-1/2" | 9.500" | 0.500" | 1/2 | --- |
| 0951060 | 12" | 11.500" | 0.250" | 1/4 | --- |
| 0951061 | 12" | 11.000" | 0.500" | 1/2 | --- |

Chrome-Moly Tube

Round, CDS (Cold Drawn Seamless) Condition N, Aircraft Quality Tube. Made from 4130 Alloy. Certified to MIL T 6736. Material is weldable, has good strength and can be heat treated. Comes in 20' random lengths or have it "cut to length."



| Part No. | O.D. | I.D. | Thickness | UOM /In |
|----------|-------|--------|-----------|---------|
| 0952236 | 3/16" | 0.118" | 0.035" | ^ |
| 0952237 | 3/16" | 0.09" | 0.049" | --- |
| 0952238 | 1/4" | 0.18" | 0.035" | --- |
| 0952239 | 1/4" | 0.152" | 0.049" | --- |
| 0952240 | 1/4" | 0.134" | 0.058" | --- |
| 0952241 | 1/4" | 0.12" | 0.065" | --- |
| 0952242 | 5/16" | 0.243" | 0.035" | --- |
| 0952243 | 5/16" | 0.214" | 0.049" | --- |
| 0952244 | 5/16" | 0.197" | 0.058" | --- |
| 0952245 | 5/16" | 0.182" | 0.065" | --- |
| 0952246 | 3/8" | 0.305" | 0.035" | --- |
| 0952247 | 3/8" | 0.277" | 0.049" | --- |
| 0952248 | 3/8" | 0.259" | 0.058" | --- |
| 0952249 | 3/8" | 0.245" | 0.065" | --- |
| 0952250 | 3/8" | 0.135" | 0.12" | --- |
| 0952251 | 7/16" | 0.367" | 0.035" | --- |
| 0952252 | 7/16" | 0.34" | 0.049" | --- |
| 0952253 | 7/16" | 0.322" | 0.058" | --- |
| 0952254 | 1/2" | 0.43" | 0.035" | --- |
| 0952255 | 1/2" | 0.402" | 0.049" | --- |
| 0952256 | 1/2" | 0.384" | 0.058" | --- |
| 0952257 | 1/2" | 0.37" | 0.065" | --- |
| 0952258 | 1/2" | 0.26 | 0.12" | --- |
| 0952259 | 5/8" | 0.555" | 0.035" | --- |
| 0952260 | 5/8" | 0.527" | 0.049" | --- |
| 0952261 | 5/8" | 0.509" | 0.058" | --- |
| 0952262 | 5/8" | 0.495" | 0.065" | --- |
| 0952263 | 5/8" | 0.385" | 0.12" | --- |
| 0952264 | 3/4" | 0.68" | 0.035" | --- |
| 0952265 | 3/4" | 0.652" | 0.049" | --- |
| 0952266 | 3/4" | 0.634" | 0.058" | --- |
| 0952267 | 3/4" | 0.62" | 0.065" | --- |
| 0952268 | 3/4" | 0.584" | 0.083" | --- |
| 0952269 | 3/4" | 0.56" | 0.095" | --- |
| 0952270 | 3/4" | 0.51" | 0.12" | --- |

| Part No. | O.D. | I.D. | Thickness | UOM /In |
|----------|--------|--------|-----------|---------|
| 0952271 | 3/4" | 0.375" | 0.188" | ^ |
| 0952272 | 7/8" | 0.805" | 0.035" | --- |
| 0952273 | 7/8" | 0.777" | 0.049" | --- |
| 0952274 | 7/8" | 0.759" | 0.058" | --- |
| 0952275 | 7/8" | 0.745" | 0.065" | --- |
| 0952276 | 7/8" | 0.709" | 0.083" | --- |
| 0952277 | 7/8" | 0.685" | 0.095" | --- |
| 0952278 | 7/8" | 0.635" | 0.12" | --- |
| 0952279 | 7/8" | 0.5" | 0.188" | --- |
| 0952280 | 1" | 0.93" | 0.035" | --- |
| 0952281 | 1" | 0.902" | 0.049" | --- |
| 0952282 | 1" | 0.884" | 0.058" | --- |
| 0952283 | 1" | 0.87" | 0.065" | --- |
| 0952284 | 1" | 0.834" | 0.083" | --- |
| 0952285 | 1" | 0.81" | 0.095" | --- |
| 0952286 | 1" | 0.76" | 0.12" | --- |
| 0952287 | 1" | 0.625" | 0.188" | --- |
| 0952288 | 1-1/8" | 1.027" | 0.049" | --- |
| 0952289 | 1-1/8" | 1.009" | 0.058" | --- |
| 0952290 | 1-1/8" | 0.996" | 0.065" | --- |
| 0952291 | 1-1/4" | 1.152" | 0.049" | --- |
| 0952292 | 1-1/4" | 1.134" | 0.058" | --- |
| 0952293 | 1-1/4" | 1.12" | 0.065" | --- |
| 0952294 | 1-1/4" | 1.084" | 0.083" | --- |
| 0952295 | 1-1/4" | 1.06" | 0.095" | --- |
| 0952296 | 1-1/4" | 1.01" | 0.12" | --- |
| 0952297 | 1-3/8" | 1.259" | 0.058" | --- |
| 0952298 | 1-3/8" | 1.245" | 0.065" | --- |
| 0952299 | 1-3/8" | 1.209" | 0.083" | --- |
| 0952300 | 1-1/2" | 1.402" | 0.049" | --- |
| 0952301 | 1-1/2" | 1.384" | 0.058" | --- |
| 0952302 | 1-1/2" | 1.37" | 0.065" | --- |
| 0952303 | 1-1/2" | 1.334" | 0.083" | --- |
| 0952304 | 1-1/2" | 1.31" | 0.095" | --- |
| 0952305 | 1-1/2" | 1.26" | 0.12" | --- |
| 0952306 | 1-1/2" | 1.124" | 0.188" | --- |
| 0952307 | 1-5/8" | 1.459" | 0.083" | --- |
| 0952308 | 1-5/8" | 1.435" | 0.095" | --- |
| 0952309 | 1-5/8" | 1.385" | 0.12" | --- |
| 0952310 | 1-3/4" | 1.62" | 0.065" | --- |
| 0952311 | 1-3/4" | 1.584" | 0.083" | --- |
| 0952312 | 1-3/4" | 1.56" | 0.095" | --- |
| 0952313 | 2" | 1.87" | 0.065" | --- |
| 0952314 | 2" | 1.81" | 0.095" | --- |
| 0952315 | 2" | 1.76" | 0.12" | --- |
| 0952316 | 2-1/4" | 2.01" | 0.12" | --- |
| 0952317 | 2-1/2" | 2.334" | 0.083" | --- |
| 0952318 | 3" | 2.81" | 0.095" | --- |

304 Stainless Steel Welded Round Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". The economical choice when the smooth internal finish of seamless tubing is not essential. Meets ASTM A269; 5/8 OD and larger also meets ASTM A249.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0950732 | 3/16" | 0.118" | 0.035" | 20 | ^ |
| 0950733 | 1/4" | 0.194" | 0.028" | 22 | --- |
| 0950734 | 1/4" | 0.180" | 0.035" | 20 | --- |
| 0950735 | 1/4" | 0.152" | 0.049" | 18 | --- |
| 0950736 | 5/16" | 0.257" | 0.028" | 22 | --- |
| 0950737 | 5/16" | 0.243" | 0.035" | 20 | --- |
| 0950738 | 5/16" | 0.215" | 0.049" | 18 | --- |
| 0950739 | 3/8" | 0.305" | 0.035" | 20 | --- |
| 0950740 | 3/8" | 0.277" | 0.049" | 18 | --- |
| 0950741 | 3/8" | 0.245" | 0.065" | 16 | --- |
| 0950742 | 7/16" | 0.308" | 0.065" | 16 | --- |
| 0950743 | 1/2" | 0.430" | 0.035" | 20 | --- |
| 0950744 | 1/2" | 0.370" | 0.065" | 16 | --- |
| 0950745 | 5/8" | 0.555" | 0.035" | 20 | --- |
| 0950746 | 5/8" | 0.495" | 0.065" | 16 | --- |
| 0950747 | 5/8" | 0.385" | 0.120" | 11 | --- |
| 0950748 | 3/4" | 0.680" | 0.035" | 20 | --- |
| 0950749 | 3/4" | 0.652" | 0.049" | 18 | --- |
| 0950750 | 3/4" | 0.620" | 0.065" | 16 | --- |
| 0950751 | 3/4" | 0.510" | 0.120" | 11 | --- |
| 0950752 | 7/8" | 0.745" | 0.065" | 16 | --- |
| 0950753 | 7/8" | 0.635" | 0.120" | 11 | --- |
| 0950754 | 1" | 0.930" | 0.035" | 20 | --- |
| 0950755 | 1" | 0.902" | 0.049" | 18 | --- |
| 0950756 | 1" | 0.870" | 0.065" | 16 | --- |
| 0950757 | 1" | 0.834" | 0.083" | 14 | --- |
| 0950758 | 1" | 0.760" | 0.120" | 11 | --- |
| 0950759 | 1-1/4" | 1.180" | 0.035" | 20 | --- |
| 0950760 | 1-1/4" | 1.120" | 0.065" | 16 | --- |
| 0950761 | 1-1/4" | 1.010" | 0.120" | 11 | --- |
| 0950762 | 1-1/2" | 1.370" | 0.065" | 16 | --- |
| 0950763 | 1-1/2" | 1.260" | 0.120" | 11 | --- |
| 0950764 | 1-3/4" | 1.680" | 0.035" | 20 | --- |
| 0950765 | 1-3/4" | 1.620" | 0.065" | 16 | --- |
| 0950766 | 2" | 1.930" | 0.035" | 20 | --- |
| 0950767 | 2" | 1.870" | 0.065" | 16 | --- |
| 0950768 | 2" | 1.760" | 0.120" | 11 | --- |
| 0950769 | 2-1/2" | 2.370" | 0.065" | 16 | --- |
| 0950770 | 2-1/2" | 2.260" | 0.120" | 11 | --- |
| 0950771 | 3" | 2.870" | 0.065" | 16 | --- |
| 0950772 | 3" | 2.760" | 0.120" | 11 | --- |
| 0950773 | 3-1/4" | 3.010" | 0.120" | 11 | --- |
| 0950774 | 3-1/2" | 3.370" | 0.065" | 16 | --- |
| 0950775 | 4" | 3.870" | 0.065" | 16 | --- |

ROUND TUBE

Round Tube Cont.

304 Stainless Steel Seamless Round Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Provides good corrosion resistance. The seamless inner surface prevents buildup. Conforms to ASTM A269 and A213.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0950776 | 1/4" | 0.180" | 0.035" | 20 | — |
| 0950777 | 1/4" | 0.152" | 0.049" | 18 | — |
| 0950778 | 1/4" | 0.120" | 0.065" | 16 | — |
| 0950779 | 5/16" | 0.243" | 0.035" | 20 | — |
| 0950780 | 5/16" | 0.183" | 0.065" | 16 | — |
| 0950781 | 3/8" | 0.305" | 0.035" | 20 | — |
| 0950782 | 3/8" | 0.245" | 0.065" | 16 | — |
| 0950783 | 1/2" | 0.430" | 0.035" | 20 | — |
| 0950784 | 1/2" | 0.370" | 0.065" | 16 | — |
| 0950785 | 1/2" | 0.260" | 0.120" | 11 | — |
| 0950786 | 5/8" | 0.495" | 0.065" | 16 | — |
| 0950787 | 5/8" | 0.385" | 0.120" | 11 | — |
| 0950788 | 3/4" | 0.680" | 0.035" | 20 | — |
| 0950789 | 3/4" | 0.620" | 0.065" | 16 | — |
| 0950790 | 3/4" | 0.510" | 0.120" | 11 | — |
| 0950791 | 1" | 0.902" | 0.049" | 18 | — |
| 0950792 | 1" | 0.870" | 0.065" | 16 | — |
| 0950793 | 1" | 0.834" | 0.083" | 14 | — |
| 0950794 | 1" | 0.760" | 0.120" | 11 | — |
| 0950795 | 1" | 0.500" | 0.250" | 1/4 | — |
| 0950796 | 1-1/4" | 1.120" | 0.065" | 16 | — |
| 0950797 | 1-1/4" | 1.010" | 0.120" | 11 | — |
| 0950798 | 1-1/4" | 0.750" | 0.250" | 1/4 | — |
| 0950799 | 1-1/2" | 1.370" | 0.065" | 16 | — |
| 0950800 | 1-1/2" | 1.260" | 0.120" | 11 | — |
| 0950801 | 1-1/2" | 1.000" | 0.250" | 1/4 | — |
| 0950802 | 2" | 1.624" | 0.188" | 3/16 | — |
| 0950803 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0950804 | 2-1/4" | 1.874" | 0.188" | 3/16 | — |
| 0950805 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0950806 | 3" | 2.760" | 0.120" | 11 | — |
| 0950807 | 3" | 2.624" | 0.188" | 3/16 | — |
| 0950808 | 3" | 2.500" | 0.250" | 1/4 | — |

304 Stainless Steel Seamless Structural Round Tube (Mechanical Tube)

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Also known as hollow bar, this tubing is ideal for mechanical part production. Conforms to ASTM A511



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0992499 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0992506 | 2" | 1.250" | 0.375" | 3/8 | — |
| 0992500 | 2-1/4" | 1.750" | 0.250" | 1/4 | — |
| 0992507 | 2-1/4" | 1.500" | 0.375" | 3/8 | — |
| 0992501 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0992508 | 2-1/2" | 1.750" | 0.375" | 3/8 | — |
| 0992513 | 2-1/2" | 1.500" | 0.500" | 1/2 | — |
| 0992502 | 2-3/4" | 2.250" | 0.250" | 1/4 | — |
| 0992509 | 2-3/4" | 2.000" | 0.375" | 3/8 | — |
| 0992514 | 2-3/4" | 1.750" | 0.500" | 1/2 | — |
| 0992503 | 3" | 2.500" | 0.250" | 1/4 | — |
| 0992510 | 3" | 2.250" | 0.375" | 3/8 | — |
| 0992515 | 3" | 2.000" | 0.500" | 1/2 | — |
| 0992511 | 3-1/4" | 2.500" | 0.375" | 3/8 | — |
| 0992516 | 3-1/4" | 2.250" | 0.500" | 1/2 | — |
| 0992522 | 3-1/4" | 1.750" | 0.750" | 3/4 | — |
| 0992504 | 3-1/2" | 3.000" | 0.250" | 1/4 | — |
| 0992517 | 3-1/2" | 2.500" | 0.500" | 1/2 | — |
| 0992523 | 3-1/2" | 2.000" | 0.750" | 3/4 | — |
| 0992505 | 3-3/4" | 3.250" | 0.250" | 1/4 | — |
| 0992518 | 3-3/4" | 2.750" | 0.500" | 1/2 | — |
| 0992520 | 3-3/4" | 2.500" | 0.625" | 5/8 | — |
| 0992512 | 4" | 3.250" | 0.375" | 3/8 | — |
| 0992519 | 4" | 3.000" | 0.500" | 1/2 | — |
| 0992521 | 4" | 2.750" | 0.625" | 5/8 | — |
| 0992524 | 4" | 2.500" | 0.750" | 3/4 | — |

316/316L Stainless Steel Seamless Round Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Contains molybdenum which greatly increases its corrosion resistance as well as its physical properties at elevated temperatures. The seamless inner surface prevents buildup. Conforms to ASTM A269 and A213.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|------|--------|-----------|-------|---------|
| 0950720 | 1/4" | 0.180" | 0.035" | 20 | — |
| 0950721 | 1/4" | 0.120" | 0.065" | 16 | — |
| 0950722 | 3/8" | 0.305" | 0.035" | 20 | — |
| 0950723 | 3/8" | 0.245" | 0.065" | 16 | — |
| 0950724 | 1/2" | 0.430" | 0.035" | 20 | — |
| 0950725 | 1/2" | 0.370" | 0.065" | 16 | — |
| 0950726 | 5/8" | 0.527" | 0.049" | 18 | — |
| 0950727 | 5/8" | 0.495" | 0.065" | 16 | — |
| 0950728 | 3/4" | 0.680" | 0.035" | 20 | — |
| 0950729 | 3/4" | 0.620" | 0.065" | 16 | — |
| 0950730 | 1" | 0.902" | 0.049" | 18 | — |
| 0950731 | 1" | 0.760" | 0.120" | 11 | — |

316 Stainless Steel Seamless Structural Round Tube (Mechanical Tube)

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Also known as hollow bar, this tubing is ideal for mechanical part production. Conforms to ASTM A511



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0992730 | 2" | 1.250" | 0.375" | 3/8 | — |
| 0992727 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0992731 | 2-1/2" | 1.750" | 0.375" | 3/8 | — |
| 0992728 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0992734 | 3" | 2.000" | 0.500" | 1/2 | — |
| 0992732 | 3" | 2.250" | 0.375" | 3/8 | — |
| 0992729 | 3" | 2.500" | 0.250" | 1/4 | — |
| 0992735 | 3-1/2" | 2.500" | 0.500" | 1/2 | — |
| 0992736 | 3-3/4" | 2.750" | 0.500" | 1/2 | — |
| 0992737 | 4" | 3.000" | 0.500" | 1/2 | — |
| 0992733 | 4" | 3.250" | 0.375" | 3/8 | — |

6061-T6 Aluminum Drawn Seamless Round Tube

Standard tube lengths are 12' (144") Random Lengths, or have it "cut to length". Type 6061 is the most versatile of the heat treatable aluminum alloys. It has most of the good qualities of aluminum, and it offers a wide range of mechanical properties and corrosion resistance. Meets ASTM B210. Size Tolerances for these parts are found at the end of the section.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0950828 | 3/16" | 0.118" | 0.035" | 20 | — |
| 0950829 | 1/4" | 0.180" | 0.035" | 20 | — |
| 0950830 | 1/4" | 0.152" | 0.049" | 18 | — |
| 0950831 | 5/16" | 0.243" | 0.035" | 20 | — |
| 0950832 | 3/8" | 0.305" | 0.035" | 20 | — |
| 0950833 | 3/8" | 0.277" | 0.049" | 18 | — |
| 0950834 | 3/8" | 0.245" | 0.065" | 16 | — |
| 0950835 | 1/2" | 0.430" | 0.035" | 20 | — |
| 0950836 | 1/2" | 0.402" | 0.049" | 18 | — |
| 0950837 | 1/2" | 0.370" | 0.065" | 16 | — |
| 0950838 | 5/8" | 0.555" | 0.035" | 20 | — |
| 0950839 | 5/8" | 0.509" | 0.058" | 17 | — |
| 0950840 | 5/8" | 0.495" | 0.065" | 16 | — |
| 0950841 | 3/4" | 0.680" | 0.035" | 20 | — |
| 0950842 | 3/4" | 0.652" | 0.049" | 18 | — |
| 0950843 | 3/4" | 0.620" | 0.065" | 16 | — |
| 0950844 | 3/4" | 0.584" | 0.083" | 14 | — |
| 0950845 | 7/8" | 0.777" | 0.049" | 18 | — |
| 0950846 | 7/8" | 0.745" | 0.065" | 16 | — |
| 0950847 | 1" | 0.930" | 0.035" | 20 | — |
| 0950848 | 1" | 0.902" | 0.049" | 18 | — |
| 0950849 | 1" | 0.884" | 0.058" | 17 | — |
| 0950850 | 1" | 0.870" | 0.065" | 16 | — |
| 0950851 | 1" | 0.750" | 0.125" | 1/8 | — |
| 0950852 | 1" | 0.500" | 0.250" | 1/4 | — |
| 0950853 | 1-1/4" | 1.152" | 0.049" | 18 | — |
| 0950854 | 1-1/4" | 1.120" | 0.065" | 16 | — |
| 0950855 | 1-1/4" | 1.084" | 0.083" | 14 | — |
| 0950856 | 1-1/4" | 1.010" | 0.120" | 11 | — |
| 0950857 | 1-1/4" | 0.750" | 0.250" | 1/4 | — |
| 0950858 | 1-1/2" | 1.430" | 0.035" | 20 | — |
| 0950859 | 1-1/2" | 1.402" | 0.049" | 18 | — |
| 0950860 | 1-1/2" | 1.370" | 0.065" | 16 | — |
| 0950861 | 1-1/2" | 1.250" | 0.125" | 1/8 | — |
| 0950862 | 1-1/2" | 1.000" | 0.250" | 1/4 | — |
| 0950863 | 1-3/4" | 1.620" | 0.065" | 16 | — |
| 0950865 | 2" | 1.902" | 0.049" | 18 | — |
| 0950866 | 2" | 1.870" | 0.065" | 16 | — |
| 0950867 | 2" | 1.750" | 0.125" | 1/8 | — |
| 0950868 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0950869 | 2-1/2" | 2.370" | 0.065" | 16 | — |
| 0950870 | 2-1/2" | 2.250" | 0.125" | 1/8 | — |
| 0950871 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0950872 | 2-1/2" | 1.500" | 0.500" | 1/2 | — |
| 0950873 | 3" | 2.750" | 0.125" | 1/8 | — |
| 0950874 | 3" | 2.500" | 0.250" | 1/4 | — |
| 0950875 | 3" | 2.250" | 0.375" | 3/8 | — |
| 0950876 | 3" | 2.000" | 0.500" | 1/2 | — |
| 0950877 | 4" | 3.750" | 0.125" | 1/8 | — |
| 0950878 | 4" | 3.500" | 0.250" | 1/4 | — |
| 0950879 | 4" | 3.000" | 0.500" | 1/2 | — |
| 0950880 | 6" | 5.500" | 0.250" | 1/4 | — |
| 0950881 | 6" | 5.000" | 0.500" | 1/2 | — |
| 0950882 | 8" | 7.500" | 0.250" | 1/4 | — |
| 0950883 | 8" | 7.000" | 0.500" | 1/2 | — |

Round Tube Cont.

6061-T6511 Aluminum Extruded Seamless Structural Round Tube

Standard tube lengths are 24' (288") Random Lengths, or have it "cut to length". This material offers good mechanical properties and good corrosion resistance. Conforms to ASTM B241. Size Tolerances for these parts are found at the end of the section.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|--------|--------|-----------|-------|---------|
| 0950884 | 1-1/2" | 1.250" | 0.125" | 1/8 | ^ |
| 095406 | 1-1/2" | 1.000" | 0.250" | 1/4 | — |
| 0950885 | 2" | 1.750" | 0.125" | 1/8 | — |
| 0984308 | 2" | 1.500" | 0.250" | 1/4 | — |
| 0984313 | 2" | 1.250" | 0.375" | 3/8 | — |
| 0984315 | 2" | 1.000" | 0.500" | 1/2 | — |
| 0984309 | 2-1/4" | 1.750" | 0.250" | 1/4 | — |
| 0984316 | 2-1/4" | 1.250" | 0.500" | 1/2 | — |
| 0950886 | 2-1/4" | 2.000" | 0.125" | 1/8 | — |
| 0984310 | 2-1/2" | 2.000" | 0.250" | 1/4 | — |
| 0950887 | 2-1/2" | 1.500" | 0.500" | 1/2 | — |
| 0950888 | 3" | 2.750" | 0.125" | 1/8 | — |
| 0984311 | 3" | 2.500" | 0.250" | 1/4 | — |
| 0984317 | 3" | 2.000" | 0.500" | 1/2 | — |
| 0950890 | 3" | 1.500" | 0.750" | 3/4 | — |
| 0984312 | 3-1/2" | 3.000" | 0.250" | 1/4 | — |
| 0984314 | 3-1/2" | 2.750" | 0.375" | 3/8 | — |
| 0984318 | 3-1/2" | 2.500" | 0.500" | 1/2 | — |
| 0950891 | 3-1/2" | 2.000" | 0.750" | 3/4 | — |
| 0950892 | 4" | 3.750" | 0.125" | 1/8 | — |
| 0950893 | 4" | 3.500" | 0.250" | 1/4 | — |
| 0950894 | 4" | 3.000" | 0.500" | 1/2 | — |
| 0950895 | 4" | 2.500" | 0.750" | 3/4 | — |
| 0950896 | 4-1/2" | 3.500" | 0.500" | 1/2 | — |
| 0950897 | 4-1/2" | 3.000" | 0.750" | 3/4 | — |
| 0950898 | 5" | 4.000" | 0.500" | 1/2 | — |
| 0950899 | 5" | 3.500" | 0.750" | 3/4 | — |
| 0950900 | 5" | 3.000" | 1.000" | 1 | — |
| 0950901 | 5-1/2" | 4.500" | 0.500" | 1/2 | — |
| 0950902 | 5-1/2" | 4.000" | 0.750" | 3/4 | — |
| 0950903 | 5-1/2" | 3.500" | 1.000" | 1 | — |
| 0950904 | 6" | 5.000" | 0.500" | 1/2 | — |
| 0950905 | 6" | 4.500" | 0.750" | 3/4 | — |
| 0950906 | 6-1/2" | 4.500" | 1.000" | 1 | — |
| 0950907 | 7" | 6.000" | 0.500" | 1/2 | — |
| 0950908 | 7" | 5.500" | 0.750" | 3/4 | — |
| 0950909 | 7" | 5.000" | 1.000" | 1 | — |
| 0950910 | 8" | 7.500" | 0.250" | 1/4 | — |
| 0950911 | 8" | 7.000" | 0.500" | 1/2 | — |
| 0950912 | 8" | 6.000" | 1.000" | 1 | — |

330 Brass Seamless Round Tube

Standard tube lengths are 12' (144") Random Lengths, or have it "cut to length". This low lead brass makes a general utility tube that is suitable for a variety of applications where corrosive conditions are not severe. It is used where good machinability is required, together with moderate cold working properties. It is readily soldered and brazed, but the lead content prevents successful welding.



| Part No. | O.D. | I.D. | Thickness | Gauge | UOM /In |
|----------|-------|--------|-----------|-------|---------|
| 0951191 | 1/8" | 0.085" | 0.020" | 25 | ^ |
| 0951193 | 1/4" | 0.186" | 0.032" | 21 | — |
| 0951194 | 1/4" | 0.120" | 0.065" | 16 | — |
| 0951195 | 5/16" | 0.248" | 0.032" | 21 | — |
| 0951196 | 5/16" | 0.182" | 0.065" | 16 | — |
| 0951197 | 3/8" | 0.311" | 0.032" | 21 | — |
| 0951198 | 3/8" | 0.245" | 0.065" | 16 | — |
| 0951199 | 7/16" | 0.373" | 0.032" | 21 | — |
| 0951200 | 7/16" | 0.307" | 0.065" | 16 | — |
| 0951201 | 1/2" | 0.436" | 0.032" | 21 | — |
| 0951202 | 1/2" | 0.370" | 0.065" | 16 | — |
| 0951203 | 5/8" | 0.561" | 0.032" | 21 | — |
| 0951204 | 5/8" | 0.495" | 0.065" | 16 | — |
| 0951205 | 3/4" | 0.686" | 0.032" | 21 | — |
| 0951206 | 3/4" | 0.620" | 0.065" | 16 | — |
| 0951207 | 7/8" | 0.811" | 0.032" | 21 | — |
| 0951208 | 7/8" | 0.745" | 0.065" | 16 | — |
| 0951209 | 1" | 0.936" | 0.032" | 21 | — |
| 0951210 | 1" | 0.870" | 0.065" | 16 | — |

Pipe

Cut to Length Black Pipe

Black, Plain end, Schedule 40 pipe that conforms to ASTM A53 Type F

Standard lengths are 21' or have them "cut-to-length".



| Part No. | Size | UOM /In |
|----------|--------|---------|
| 0952172 | 1/8" | ^ |
| 0952173 | 1/4" | — |
| 0952174 | 3/8" | — |
| 0999838 | 1/2" | — |
| 0999837 | 3/4" | — |
| 0999836 | 1" | — |
| 0952175 | 1-1/4" | — |
| 0999835 | 1-1/2" | — |
| 0952176 | 2" | — |
| 0952177 | 2-1/2" | — |
| 0952178 | 3" | — |
| 0952179 | 3-1/2" | — |
| 0952180 | 4" | — |
| 0952181 | 5" | — |
| 0952182 | 6" | — |
| 0952183 | 8" | — |
| 0952184 | 10" | — |
| 0952185 | 12" | — |

| Part No. | Size | UOM /In |
|----------|--------|---------|
| 0952186 | 1/4" | — |
| 0950102 | 3/8" | — |
| 0950103 | 1/2" | — |
| 0950104 | 3/4" | — |
| 0952187 | 1" | — |
| 0952188 | 1-1/4" | — |
| 0952189 | 1-1/2" | — |
| 0952190 | 2" | — |
| 0952191 | 2-1/2" | — |
| 0952192 | 3" | — |
| 0952193 | 3-1/2" | — |
| 0952194 | 4" | — |
| 0952195 | 5" | — |
| 0952196 | 6" | — |

304 Stainless Steel Pipe

Material is a schedule 40 pipe that conforms to ASTM A312. Dual certified to 304/304L. 304 has excellent corrosion resistance. Supplied in 21' random lengths or have it "cut-to-length".



| Part No. | Size | UOM /In |
|----------|--------|---------|
| 0952134 | 1/8" | ^ |
| 0952135 | 1/4" | — |
| 0952136 | 3/8" | — |
| 0952137 | 1/2" | — |
| 0952138 | 3/4" | — |
| 0952139 | 1" | — |
| 0952140 | 1-1/4" | — |
| 0952141 | 1-1/2" | — |
| 0952142 | 2" | — |
| 0952143 | 2-1/2" | — |
| 0952144 | 3" | — |

6061-T6 Aluminum Pipe

Our aluminum pipe is a T6 temper that comes in 20' random lengths or have it "cut-to-length". 6061 pipe is lightweight and has good strength and corrosion resistance.



| Part No. | Size | UOM /In |
|----------|--------|---------|
| 0952124 | 1/4" | ^ |
| 0952125 | 3/8" | — |
| 0952126 | 1/2" | — |
| 0952127 | 3/4" | — |
| 0952128 | 1" | — |
| 0952129 | 1-1/4" | — |
| 0952130 | 1-1/2" | — |
| 0952131 | 2" | — |
| 0952132 | 2-1/2" | — |
| 0952133 | 3" | — |

Galvanized Pipe

Material is an ASTM A53 schedule 40 galvanized pipe. Supplied in 21' lengths or have them "cut-to-length". Galvanized to provide extra corrosion resistance.



| Part No. | Size | UOM /In |
|----------|--------|---------|
| 0952197 | 1/4" | ^ |
| 0952198 | 3/8" | — |
| 0952199 | 1/2" | — |
| 0952200 | 3/4" | — |
| 0952201 | 1" | — |
| 0952202 | 1-1/4" | — |
| 0952203 | 1-1/2" | — |
| 0952204 | 2" | — |
| 0952205 | 2-1/2" | — |
| 0952206 | 3" | — |
| 0952207 | 3-1/2" | — |
| 0952208 | 4" | — |

SQUARE TUBE

Square Tube

Structural Carbon Steel Square Tube

Standard tubes are either 20' (240") or 24' (288") Random Lengths, or have it "cut to length". Structural Tubing is an efficient structural member with many inherent advantages, includes strength & lightness. It is made from flat rolled basic oxygen steel, which is formed into a tubular shape & then welded by the electric resistance process. Conforms to ASTM A500 Grade B.



Structural Carbon Steel Square Tube - ASTM A500 Grade B

| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0951062 | 1/2" x 1/2" | 0.065" | 16 | ^ |
| 0951063 | 3/4" x 3/4" | 0.065" | 16 | — |
| 0951064 | 3/4" x 3/4" | 0.120" | 11 | — |
| 0951065 | 1" x 1" | 0.065" | 16 | — |
| 0951066 | 1" x 1" | 0.120" | 11 | — |
| 0951067 | 1-1/4" x 1-1/4" | 0.065" | 16 | — |
| 0951068 | 1-1/4" x 1-1/4" | 0.120" | 11 | — |
| 0951069 | 1-1/4" x 1-1/4" | 0.188" | 3/16 | — |
| 0951070 | 1-1/2" x 1-1/2" | 0.065" | 16 | — |
| 0951071 | 1-1/2" x 1-1/2" | 0.120" | 11 | — |
| 0951072 | 1-1/2" x 1-1/2" | 0.188" | 3/16 | — |
| 0951073 | 1-1/2" x 1-1/2" | 0.250" | 1/4 | — |
| 0951074 | 1-3/4" x 1-3/4" | 0.120" | 11 | — |
| 0951075 | 2" x 2" | 0.120" | 11 | — |
| 0951076 | 2" x 2" | 0.188" | 3/16 | — |
| 0951077 | 2" x 2" | 0.250" | 1/4 | — |
| 0951078 | 2-1/2" x 2-1/2" | 0.120" | 11 | — |
| 0951079 | 2-1/2" x 2-1/2" | 0.188" | 3/16 | — |
| 0951080 | 2-1/2" x 2-1/2" | 0.250" | 1/4 | — |
| 0951081 | 3" x 3" | 0.120" | 11 | — |
| 0951082 | 3" x 3" | 0.188" | 3/16 | — |
| 0951083 | 3" x 3" | 0.250" | 1/4 | — |
| 0951084 | 3" x 3" | 0.375" | 3/8 | — |
| 0951085 | 3-1/2" x 3-1/2" | 0.188" | 3/16 | — |
| 0951086 | 3-1/2" x 3-1/2" | 0.250" | 1/4 | — |
| 0951087 | 3-1/2" x 3-1/2" | 0.313" | 5/16 | — |
| 0951088 | 4" x 4" | 0.120" | 11 | — |
| 0951089 | 4" x 4" | 0.188" | 3/16 | — |
| 0951090 | 4" x 4" | 0.250" | 1/4 | — |
| 0951091 | 4" x 4" | 0.375" | 3/8 | — |
| 0951092 | 4" x 4" | 0.500" | 1/2 | — |
| 0951093 | 4-1/2" x 4-1/2" | 0.250" | 1/4 | — |
| 0951094 | 5" x 5" | 0.250" | 1/4 | — |
| 0951095 | 5" x 5" | 0.500" | 1/2 | — |
| 0951096 | 6" x 6" | 0.250" | 1/4 | — |
| 0951097 | 6" x 6" | 0.375" | 3/8 | — |
| 0951098 | 6" x 6" | 0.500" | 1/2 | — |
| 0951099 | 7" x 7" | 0.250" | 1/4 | — |
| 0951100 | 7" x 7" | 0.375" | 3/8 | — |
| 0951101 | 7" x 7" | 0.500" | 1/2 | — |
| 0951102 | 8" x 8" | 0.250" | 1/4 | — |
| 0951103 | 8" x 8" | 0.375" | 3/8 | — |
| 0951104 | 8" x 8" | 0.500" | 1/2 | — |
| 0951105 | 10" x 10" | 0.250" | 1/4 | — |
| 0951106 | 10" x 10" | 0.500" | 1/2 | — |
| 0951107 | 12" x 12" | 0.250" | 1/4 | — |
| 0951108 | 12" x 12" | 0.500" | 1/2 | — |

Mechanical Carbon Steel Square Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This material is easy to cold form, bend, braze and weld. Typically made with 1010 steel. Conforms to ASTM A513.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0992227 | 1/2" x 1/2" | 0.063" | 1/16 | ^ |
| 0951182 | 3/4" x 3/4" | 0.049" | 18 | — |
| 0992228 | 3/4" x 3/4" | 0.063" | 1/16 | — |
| 0951183 | 3/4" x 3/4" | 0.083" | 14 | — |
| 0951184 | 3/4" x 3/4" | 0.120" | 11 | — |
| 0992229 | 1" x 1" | 0.063" | 1/16 | — |
| 0990679 | 1" x 1" | 0.065" | 16 | — |
| 0990680 | 1" x 1" | 0.083" | 14 | — |
| 0951185 | 1" x 1" | 0.095" | 13 | — |
| 0990681 | 1" x 1" | 0.109" | 12 | — |
| 0990682 | 1" x 1" | 0.120" | 11 | — |
| 0992230 | 1-1/4" x 1-1/4" | 0.063" | 1/16 | — |
| 0951186 | 1-1/4" x 1-1/4" | 0.083" | 14 | — |
| 0951187 | 1-1/4" x 1-1/4" | 0.109" | 12 | — |
| 0990683 | 1-1/2" x 1-1/2" | 0.065" | 16 | — |
| 0990684 | 1-1/2" x 1-1/2" | 0.083" | 14 | — |
| 0990685 | 1-1/2" x 1-1/2" | 0.109" | 12 | — |
| 0990686 | 1-1/2" x 1-1/2" | 0.120" | 11 | — |
| 0951188 | 1-3/4" x 1-3/4" | 0.083" | 14 | — |
| 0951189 | 1-3/4" x 1-3/4" | 0.120" | 11 | — |
| 0990687 | 2" x 2" | 0.065" | 16 | — |
| 0990688 | 2" x 2" | 0.083" | 14 | — |
| 0990689 | 2" x 2" | 0.109" | 12 | — |
| 0990690 | 2" x 2" | 0.120" | 11 | — |
| 0951190 | 3" x 3" | 0.083" | 14 | — |

Alloy 4130 Steel Square Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This is a cold drawn seamless alloy tube, which is strong and long lasting, and especially suitable for welding. Conforms to ASTM A519.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-------------|-----------|-------|---------|
| 0992213 | 3/8" x 3/8" | 0.035" | 20 | ^ |
| 0992214 | 1/2" x 1/2" | 0.035" | 20 | — |
| 0992215 | 5/8" x 5/8" | 0.035" | 20 | — |
| 0992219 | 5/8" x 5/8" | 0.049" | 18 | — |
| 0992223 | 5/8" x 5/8" | 0.065" | 16 | — |
| 0992216 | 3/4" x 3/4" | 0.035" | 20 | — |
| 0992220 | 3/4" x 3/4" | 0.049" | 18 | — |
| 0992218 | 1" x 1" | 0.035" | 20 | — |

304 Stainless Steel Welded Unpolished Square Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This welded mechanical tube offers corrosion resistance with strength. It is easily welded. Conforms to ASTM A554.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0993710 | 1/2" x 1/2" | 0.065" | 16 | ^ |
| 0993711 | 3/4" x 3/4" | 0.065" | 16 | — |
| 0950809 | 3/4" x 3/4" | 0.120" | 11 | — |
| 0993712 | 1" x 1" | 0.065" | 16 | — |
| 0993718 | 1" x 1" | 0.120" | 11 | — |
| 0993713 | 1-1/4" x 1-1/4" | 0.065" | 16 | — |
| 0993719 | 1-1/4" x 1-1/4" | 0.120" | 11 | — |
| 0993714 | 1-1/2" x 1-1/2" | 0.065" | 16 | — |
| 0993716 | 1-1/2" x 1-1/2" | 0.083" | 14 | — |
| 0993720 | 1-1/2" x 1-1/2" | 0.120" | 11 | — |
| 0950810 | 1-1/2" x 1-1/2" | 0.180" | 7 | — |
| 0993715 | 2" x 2" | 0.065" | 16 | — |
| 0993717 | 2" x 2" | 0.083" | 14 | — |
| 0993721 | 2" x 2" | 0.120" | 11 | — |
| 0950811 | 2" x 2" | 0.180" | 7 | — |
| 0950812 | 2" x 2" | 0.250" | 1/4 | — |
| 0993722 | 2-1/2" x 2-1/2" | 0.120" | 11 | — |
| 0950813 | 2-1/2" x 2-1/2" | 0.180" | 7 | — |
| 0993723 | 3" x 3" | 0.120" | 11 | — |
| 0950814 | 3" x 3" | 0.180" | 7 | — |
| 0993725 | 3" x 3" | 0.250" | 1/4 | — |
| 0993724 | 4" x 4" | 0.120" | 11 | — |
| 0950815 | 4" x 4" | 0.180" | 7 | — |
| 0993726 | 4" x 4" | 0.250" | 1/4 | — |

6061 Aluminum Drawn Seamless Square Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This material has a high degree of resistance to corrosion, is easily welded and is lightweight. Conforms to ASTM B210.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0993702 | 1" x 1" | 0.125" | 1/8 | ^ |
| 0993703 | 1-1/2" x 1-1/2" | 0.125" | 1/8 | — |
| 0993704 | 2" x 2" | 0.125" | 1/8 | — |
| 0993705 | 2" x 2" | 0.188" | 3/16 | — |
| 0993706 | 2" x 2" | 0.250" | 1/4 | — |
| 0993707 | 2-1/2" x 2-1/2" | 0.250" | 1/4 | — |
| 0993708 | 3" x 3" | 0.250" | 1/4 | — |
| 0993709 | 4" x 4" | 0.250" | 1/4 | — |

6063 Extruded Aluminum Square Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This grade is commonly referred to as the architectural alloy. 6063 is more corrosion resistant to Alloy 6061, while still being lightweight and easily weldable. Conforms to ASTM B221 & QQ-A-200/9.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0993684 | 3/4" x 3/4" | 0.125" | 1/8 | ^ |
| 0993683 | 1" x 1" | 0.062" | 1/16 | — |
| 0993686 | 1" x 1" | 0.125" | 1/8 | — |
| 0993690 | 1-1/4" x 1-1/4" | 0.125" | 1/8 | — |
| 0993692 | 1-1/2" x 1-1/2" | 0.125" | 1/8 | — |
| 0993694 | 1-3/4" x 1-3/4" | 0.125" | 1/8 | — |
| 0993697 | 2" x 2" | 0.125" | 1/8 | — |
| 0999852 | 2" x 2" | 0.180" | 7 | — |
| 0950825 | 2" x 2" | 0.250" | 1/4 | — |
| 0993700 | 3" x 3" | 0.125" | 1/8 | — |
| 0950826 | 3" x 3" | 0.250" | 1/4 | — |
| 0993701 | 4" x 4" | 0.125" | 1/8 | — |
| 0950827 | 4" x 4" | 0.250" | 1/4 | — |

RECTANGULAR TUBE, MARKING PRODUCTS, SHEET & PLATE

Rectangular Tube

Structural Carbon Steel Rectangular Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". Structural Tubing is an efficient structural member with many inherent advantages, includes strength & lightness. It is made from flat rolled basic oxygen steel, which is formed into a tubular shape & then welded by the electric resistance process. Conforms to ASTM A500 Grade B.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0951109 | 1" x 1/2" | 0.065" | 16 | ^ |
| 0951110 | 1-1/2" x 1/2" | 0.065" | 16 | — |
| 0951111 | 1-1/2" x 3/4" | 0.120" | 11 | — |
| 0951112 | 1-1/2" x 1" | 0.120" | 11 | — |
| 0951113 | 2" x 1" | 0.065" | 16 | — |
| 0951114 | 2" x 1" | 0.120" | 11 | — |
| 0951115 | 2" x 1-1/2" | 0.120" | 11 | — |
| 0951116 | 2-1/2" x 1" | 0.083" | 14 | — |
| 0951117 | 2-1/2" x 1-1/2" | 0.120" | 11 | — |
| 0951118 | 2-1/2" x 1-1/2" | 0.188" | 3/16 | — |
| 0951119 | 2-1/2" x 1-1/2" | 0.250" | 1/4 | — |
| 0951120 | 3" x 1" | 0.120" | 11 | — |
| 0951121 | 3" x 1-1/2" | 0.120" | 11 | — |
| 0951122 | 3" x 1-1/2" | 0.188" | 3/16 | — |
| 0951123 | 3" x 2" | 0.120" | 11 | — |
| 0951124 | 3" x 2" | 0.188" | 3/16 | — |
| 0951125 | 3" x 2" | 0.250" | 1/4 | — |
| 0951126 | 4" x 2" | 0.120" | 11 | — |
| 0951127 | 4" x 2" | 0.188" | 3/16 | — |
| 0951128 | 4" x 2" | 0.250" | 1/4 | — |
| 0951129 | 4" x 3" | 0.120" | 11 | — |
| 0951130 | 4" x 3" | 0.188" | 3/16 | — |
| 0951131 | 4" x 3" | 0.250" | 1/4 | — |
| 0951132 | 5" x 2" | 0.120" | 11 | — |
| 0951133 | 5" x 2" | 0.188" | 3/16 | — |
| 0951134 | 5" x 2" | 0.250" | 1/4 | — |
| 0951135 | 5" x 3" | 0.120" | 11 | — |
| 0951136 | 5" x 3" | 0.188" | 3/16 | — |
| 0951137 | 5" x 3" | 0.250" | 1/4 | — |
| 0951138 | 5" x 3" | 0.375" | 3/8 | — |
| 0951139 | 5" x 3" | 0.500" | 1/2 | — |
| 0951140 | 6" x 2" | 0.120" | 11 | — |
| 0951141 | 6" x 2" | 0.188" | 3/16 | — |
| 0951142 | 6" x 2" | 0.250" | 1/4 | — |
| 0951143 | 6" x 3" | 0.188" | 3/16 | — |
| 0951144 | 6" x 3" | 0.250" | 1/4 | — |
| 0951145 | 6" x 3" | 0.375" | 3/8 | — |
| 0951146 | 6" x 4" | 0.250" | 1/4 | — |
| 0951147 | 6" x 4" | 0.500" | 1/2 | — |
| 0951148 | 7" x 5" | 0.250" | 1/4 | — |
| 0951149 | 7" x 5" | 0.500" | 1/2 | — |
| 0951150 | 8" x 2" | 0.250" | 1/4 | — |
| 0951151 | 8" x 2" | 0.375" | 3/8 | — |
| 0951152 | 8" x 3" | 0.250" | 1/4 | — |
| 0951153 | 8" x 3" | 0.375" | 3/8 | — |
| 0951154 | 8" x 4" | 0.188" | 3/16 | — |
| 0951155 | 8" x 4" | 0.250" | 1/4 | — |
| 0951156 | 8" x 4" | 0.375" | 3/8 | — |
| 0951157 | 8" x 4" | 0.500" | 1/2 | — |
| 0951158 | 8" x 6" | 0.188" | 3/16 | — |
| 0951159 | 8" x 6" | 0.250" | 1/4 | — |
| 0951160 | 8" x 6" | 0.313" | 5/16 | — |
| 0951161 | 8" x 6" | 0.375" | 3/8 | — |
| 0951162 | 8" x 6" | 0.500" | 1/2 | — |
| 0951163 | 10" x 2" | 0.188" | 3/16 | — |
| 0951164 | 10" x 2" | 0.250" | 1/4 | — |
| 0951165 | 10" x 3" | 0.250" | 1/4 | — |
| 0951166 | 10" x 4" | 0.188" | 3/16 | — |
| 0951167 | 10" x 4" | 0.250" | 1/4 | — |

| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|----------|-----------|-------|---------|
| 0951168 | 10" x 4" | 0.375" | 3/8 | ^ |
| 0951169 | 10" x 4" | 0.500" | 1/2 | — |
| 0951170 | 10" x 6" | 0.250" | 1/4 | — |
| 0951171 | 10" x 6" | 0.500" | 1/2 | — |
| 0951172 | 10" x 8" | 0.250" | 1/4 | — |
| 0951173 | 10" x 8" | 0.500" | 1/2 | — |
| 0951174 | 12" x 4" | 0.250" | 1/4 | — |
| 0951175 | 12" x 4" | 0.500" | 1/2 | — |
| 0951176 | 12" x 4" | 0.250" | 1/4 | — |
| 0951177 | 12" x 6" | 0.375" | 3/8 | — |
| 0951178 | 12" x 6" | 0.500" | 1/2 | — |
| 0951179 | 12" x 8" | 0.375" | 3/8 | — |
| 0951180 | 12" x 8" | 0.500" | 1/2 | — |
| 0951181 | 12" x 8" | 0.625" | 5/8 | — |

Alloy 4130 Steel Rectangular Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This is a cold drawn seamless alloy tube, which is strong and long lasting, and especially suitable for welding. Conforms to ASTM A519.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|---------------|-----------|-------|---------|
| 0992217 | 1" x 1/2" | 0.035" | 20 | ^ |
| 0992221 | 1" x 1/2" | 0.049" | 18 | — |
| 0992224 | 1" x 1/2" | 0.065" | 16 | — |
| 0992222 | 1-1/2" x 3/4" | 0.049" | 18 | — |
| 0992225 | 1-1/2" x 1" | 0.065" | 16 | — |
| 0992226 | 1-3/4" x 1" | 0.065" | 16 | — |

304 Stainless Steel Welded Unpolished Rectangular Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This welded mechanical tube offers corrosion resistance with strength. It is easily welded. Conforms to ASTM A554.

| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|---------|-----------|-------|---------|
| 0950816 | 2" x 1" | 0.120" | 11 | ^ |
| 0950817 | 3" x 2" | 0.120" | 11 | — |
| 0950818 | 4" x 2" | 0.120" | 11 | — |
| 0950819 | 4" x 2" | 0.250" | 1/4 | — |
| 0950820 | 6" x 4" | 0.250" | 1/4 | — |

6063 Extruded Aluminum Rectangular Tube

Standard tube lengths are 20' (240") Random Lengths, or have it "cut to length". This grade is commonly referred to as the architectural alloy. 6063 is more corrosion resistant to Alloy 6061, while still being lightweight and easily weldable. Conforms to ASTM B221 & QQ-A-200/9.



| Part No. | O.D. | Thickness | Gauge | UOM /ln |
|----------|-----------------|-----------|-------|---------|
| 0950821 | 1" x 1/2" | 0.125" | 1/8 | ^ |
| 0993685 | 1-1/2" x 3/4" | 0.125" | 1/8 | — |
| 0993687 | 1-1/2" x 1" | 0.125" | 1/8 | — |
| 0993688 | 2" x 1" | 0.125" | 1/8 | — |
| 0993693 | 2" x 1-1/2" | 0.125" | 1/8 | — |
| 0993691 | 2-1/2" x 1-1/4" | 0.125" | 1/8 | — |
| 0993689 | 3" x 1" | 0.125" | 1/8 | — |
| 0950823 | 3" x 1-1/2" | 0.125" | 1/8 | — |
| 0993698 | 3" x 2" | 0.125" | 1/8 | — |
| 0993695 | 3" x 1-3/4" | 0.125" | 1/8 | — |
| 0993696 | 4" x 1-3/4" | 0.125" | 1/8 | — |
| 0993699 | 4" x 2" | 0.125" | 1/8 | — |

Marking Products



Paintstick Markers

- **B Paintstick Markers**
- B Paintstick marker marks on any material, surface, or texture
- Real paint in stick form
- Weather-resistant, UV-resistant
- Ideal for layout, color coding, fabrication, and identification
- Marks through oil and water
- Marks on smooth, rough, rusty, or dirty surfaces
- For use on metal, wood, plastic, concrete, rubber, glass, cardboard, and paper,
- Lead free, non-toxic
- Marking range: -50°F - 150°F

BL Paintstick

- Bleeds through solvent-based paints
- For fabricating structural steel, or layout work where the marks are required to bleed through a primer coat covering the marks
- To prevent bleeding through the finish coat, seal the marked areas with water-based epoxy paint
- Marking range: -50°F - 150°F

Fast Dry Paintstick

- Completely dries in 5 minutes
- Ideal for marking in fabricating shops and assembly lines where immediate handling is necessary
- For marking metal, wood, glass, plastic, concrete, rubber, cardboard, and paper
- 3/8 size for marking smaller items
- Marking range: -50°F - 150°F

M Paintstick

- Marks annealed, normalized and heat treated surfaces
- For welds, ingots, castings, forgings, and annealed parts
- Will not come off in oil or water baths
- Mark at room temperature
- With stands 1600°F

| Part No. | Vendor No. | Description | Price /Ea |
|----------|------------|----------------------------|-----------|
| 0200649 | 80220 | B Paintstick-White | \$1.19 |
| 0200650 | 80221 | B Paintstick-Yellow | 1.19 |
| 0200651 | 80222 | B Paintstick-Red | 1.19 |
| 0200658 | 81920 | M Paintstick-White | 1.99 |
| 0200675 | 82721 | Fast Dry Paintstick-Yellow | 3.99 |
| 0200676 | 80725 | BL Paintstick-Blue | 3.79 |

Sheet & Plate

Cold Rolled Steel Sheet

This low carbon, commercial quality sheet is soft enough to bend flat on itself without cracking, and is ductile enough for shallow drawing. The carbon is .10 max for improved welding and forming. Conforms to ASTM A1008.



| Part No. | Size | Thickness | Gauge | Price /Ea |
|----------|-----------|-----------|-------|-----------|
| 0999962 | 48" x 48" | 0.0355" | 20 | \$31.35 |
| 0999961 | 48" x 48" | 0.0595" | 16 | 47.45 |

SHEET & PLATE, KEYSTOCK

Sheet & Plate Cont.

Galvanized Cold Rolled Steel Sheet

The same as the cold rolled steel, with the added benefit of corrosion resistance. Galvanized finish is ready to paint.

| Part No. | Size | Thickness | Gauge | Price /Ea |
|----------|-----------|-----------|-------|-----------|
| 0999950 | 48" x 48" | .0336" | 22 | \$37.62 |
| 0999949 | 48" x 48" | .0516" | 18 | 51.83 |

304 Stainless Steel Sheet

The most widely used of the stainless steels, 304 is highly corrosion resistant and easily welded. Conforms to ASTM A167-93/A240. Supplied with 2B Mill Finish.

| Part No. | Size | Thickness | Gauge | Price /Ea |
|----------|-----------|-----------|-------|-----------|
| 0999959 | 48" x 48" | 0.036" | 20 | 142.67 |
| 0999960 | 48" x 48" | 0.060" | 16 | \$238.35 |

6061-T6 Aluminum Sheet

This material offers good formability, weldability and corrosion resistance. Common uses are boats, furniture, engineering & structural applications, and transportation equipment. Conforms to ASTM B209 & QQ-A-250/11. Supplied in a Standard Mill Finish.

| Part No. | Size | Thickness | Price /Ea |
|----------|-----------|-----------|-----------|
| 0999958 | 48" x 48" | 0.032" | \$74.98 |
| 0999957 | 48" x 48" | 0.062" | 134.46 |

110 Copper Sheet

Used for electrical and general purpose, 110 is highly conductive, corrosive resistant and highly ductile. It is easy to solder and braze. Conforms to ASTM B152 Type ETP.

| Part No. | Size | Thickness | Price /Ea |
|----------|-----------|-----------|-----------|
| 0999952 | 36" x 48" | 0.032" | \$197.21 |
| 0999951 | 36" x 48" | 0.062" | 390.37 |

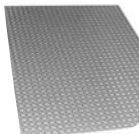
6061 Aluminum Plate

This is the most versatile of the heat treatable aluminum alloys. It offers good mechanical properties, corrosion resistance, and is weldable by all methods. It has a mill finish. Conforms to ASTM B209, QQ-A-250/11, & AMS 4053.

| Part No. | Size | Thickness | Price /Ea |
|----------|-----------|-----------|-----------|
| 0999956 | 48" x 48" | 1/8" | \$253.56 |
| 0999955 | 48" x 48" | 1/4" | 711.02 |

3003 Aluminum Tread Plate

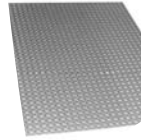
Offers good corrosion resistance, has good weldability and workability, and is non heat-treatable.



| Part No. | Size | Thickness | Price /Ea |
|----------|-----------|-----------|-----------|
| 0999954 | 48" x 48" | 1/8" | \$166.31 |

6061-T6 Aluminum Tread Plate

This is the most versatile of the heat treatable aluminum alloys. It offers good mechanical properties, corrosion resistance, and is weldable by all methods.



| Part No. | Size | Thickness | Price /Ea |
|----------|-----------|-----------|-----------|
| 0999953 | 48" x 48" | 3/16" | \$378.38 |

Other Sheet and Plate sizes and materials available upon request.

Keystock

Steel Keystock Available in 12" & 36" Lengths.

Keystock is solid core bars used as keys to lock shaft components together by being inserted into machined slots. Material is high quality, cold drawn low carbon C1018 steel. All keystock is supplied as oversized. Available in square plain and zinc plated, and rectangular plain. Size Tolerances for these parts are found at the end of the section.



Square - Plain

| 12" | | | 36" | | |
|--------|----------|-----------|----------|-----------|--|
| Size | Part No. | Price /Ea | Part No. | Price /Ea | |
| 1/8" | 47910 | \$0.66 | 47930 | \$1.77 | |
| 5/32" | 47911 | 0.85 | | | |
| 3/16" | 47912 | 0.87 | 47932 | 2.22 | |
| 1/4" | 47913 | 1.02 | 47933 | 3.04 | |
| 5/16" | 47914 | 1.48 | 47934 | 4.36 | |
| 3/8" | 47915 | 1.76 | 47935 | 4.92 | |
| 7/16" | 47916 | 2.17 | 47936 | 6.43 | |
| 1/2" | 47917 | 2.48 | 47937 | 6.64 | |
| 9/16" | 47918 | 3.84 | 47938 | 10.32 | |
| 5/8" | 47919 | 3.94 | 47939 | 10.57 | |
| 11/16" | 47920 | 5.44 | 47940 | 15.18 | |
| 3/4" | 47921 | 5.44 | 47941 | 15.65 | |
| 7/8" | 47923 | 6.93 | 47943 | 20.00 | |
| 1" | 47924 | 8.86 | 47944 | 25.57 | |
| 1-1/8" | 47927 | 16.19 | | | |
| 1-1/4" | 47925 | 15.48 | 47945 | 43.53 | |
| 1-1/2" | 47926 | 21.36 | 47946 | 52.06 | |



Square - Zinc Plated

| 12" | | | 36" | | |
|--------|----------|-----------|----------|-----------|--|
| Size | Part No. | Price /Ea | Part No. | Price /Ea | |
| 1/8" | 47810 | \$0.69 | 47830 | \$2.21 | |
| 5/32" | 47811 | 0.84 | 47831 | 2.86 | |
| 3/16" | 47812 | 0.87 | 47832 | 2.98 | |
| 1/4" | 47813 | 1.27 | 47833 | 3.83 | |
| 5/16" | 47814 | 1.67 | 47834 | 5.38 | |
| 3/8" | 47815 | 2.28 | 47835 | 6.61 | |
| 7/16" | 47816 | 2.79 | 47836 | 8.43 | |
| 1/2" | 47817 | 3.13 | 47837 | 9.47 | |
| 9/16" | 47818 | 5.92 | 47838 | 16.16 | |
| 5/8" | 47819 | 4.95 | 47839 | 14.73 | |
| 11/16" | 47820 | 8.16 | 47840 | 27.43 | |
| 3/4" | 47821 | 7.23 | 47841 | 21.64 | |
| 13/16" | 47822 | 10.73 | 47842 | 43.12 | |
| 7/8" | 47823 | 9.28 | 47843 | 27.83 | |
| 1" | 47824 | 11.83 | 47844 | 35.48 | |
| 1-1/8" | 47827 | 18.18 | | | |
| 1-1/4" | 47825 | 20.69 | 47845 | 60.09 | |
| 1-1/2" | 47826 | 23.44 | 47846 | 72.45 | |

Rectangular - Plain

| Size | Length | Part No. | Price /Ea |
|---------------|--------|----------|-----------|
| 3/16" x 1/8" | 12" | 47851 | \$1.17 |
| 1/4" x 1/8" | 12" | 47852 | 2.31 |
| 1/4" x 3/16" | 12" | 47853 | 1.27 |
| 5/16" x 3/16" | 12" | 47854 | 2.46 |
| 5/16" x 1/4" | 12" | 47855 | 1.69 |
| 3/8" x 3/16" | 12" | 47856 | 4.65 |
| 3/8" x 1/4" | 12" | 47857 | 2.01 |
| 3/8" x 5/16" | 12" | 47858 | 2.36 |
| 7/16" x 1/4" | 12" | 47859 | 2.49 |
| 7/16" x 5/16" | 12" | 47860 | 2.97 |
| 7/16" x 3/8" | 12" | 47861 | 4.20 |
| 1/2" x 1/4" | 12" | 47862 | 2.36 |
| 1/2" x 5/16" | 12" | 47863 | 3.63 |
| 1/2" x 3/8" | 12" | 47864 | 3.20 |
| 1/2" x 7/16" | 12" | 47865 | 4.18 |
| 5/8" x 5/16" | 12" | 47866 | 4.65 |
| 5/8" x 3/8" | 12" | 47867 | 3.97 |
| 3/4" x 1/2" | 12" | 47868 | 5.66 |
| 3/4" x 5/8" | 12" | 47869 | 7.52 |
| 3/4" x 1" | 12" | 47871 | 12.93 |



18-8 Stainless Steel - Undersize Available in 12" and 36" lengths.

Keystock is solid core bars used as keys to lock shaft components together by being inserted into machined slots. Material is high quality stainless steel. All keystock is supplied undersize. Size Tolerances for these parts are found at the end of the section.



Square - Stainless Steel

| 12" | | | 36" | | |
|-------|----------|-----------|----------|-----------|--|
| Size | Part No. | Price /Ea | Part No. | Price /Ea | |
| 1/8" | 0120714 | \$2.65 | | | |
| 3/16" | 0120715 | 3.38 | 0120725 | \$11.38 | |
| 1/4" | 0120716 | 4.71 | 0120726 | 14.49 | |
| 5/16" | 0120717 | 6.90 | | | |
| 3/8" | 0120718 | 9.60 | 0120727 | 31.61 | |
| 7/16" | 0120719 | 15.00 | | | |
| 1/2" | 0120720 | 17.40 | | | |
| 5/8" | 0120721 | 28.14 | | | |
| 3/4" | 0120722 | 34.44 | | | |
| 7/8" | 0120723 | 63.39 | | | |
| 1" | 0120724 | 73.40 | | | |

Metric Keystock Available in 12" & 1 Meter lengths.

Keystock is solid core bars used as keys to lock shaft components together by being inserted into machined slots. Material is high quality, cold drawn low carbon C1018 steel. All keystock is supplied as oversized. Available in square and rectangular zinc plated. Size Tolerances for these parts are found at the end of the section.



Square Metric - Zinc Plated

| 12" | | | 1M | | |
|------|----------|-----------|----------|-----------|--|
| Size | Part No. | Price /Ea | Part No. | Price /Ea | |
| 4mm | 0120728 | \$2.24 | 0120746 | \$5.05 | |
| 5mm | 0120729 | 3.59 | 0120747 | 6.14 | |
| 6mm | 0120730 | 2.79 | 0120748 | 8.27 | |
| 7mm | 0120731 | 4.18 | 0120749 | 10.44 | |
| 8mm | 0120733 | 4.63 | 0120751 | 10.26 | |
| 10mm | 0120736 | 8.11 | 0120755 | 17.25 | |
| 12mm | 0120740 | 8.61 | 0120758 | 22.02 | |
| 14mm | 0120742 | 10.68 | 0120760 | 38.39 | |
| 16mm | 0120743 | 13.93 | 0120761 | 67.41 | |
| 18mm | 0120744 | 17.56 | 0120762 | 82.39 | |
| 20mm | 0120745 | 21.65 | 0120763 | 101.04 | |

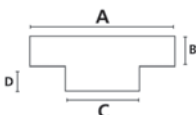
KEYSTOCK, MACHINE KEYS, KEYED SHAFTS

Keystock Cont.

| Rectangular Metric - Zinc Plated | | | | |
|----------------------------------|-----------------|-----------|----------|-----------|
| Size | 12" Zinc Plated | | 1M Zinc | |
| | Part No. | Price /Ea | Part No. | Price /Ea |
| 7mm x 8mm | 0120732 | \$4.52 | 0120750 | \$12.17 |
| 8mm x 10mm | 0120734 | 4.43 | 0120752 | 17.09 |
| 8mm x 12mm | 0120735 | 5.28 | 0120753 | 20.37 |
| 9mm x 14mm | 0120737 | 11.00 | 0120754 | 29.06 |
| 10mm x 16mm | 0120738 | 14.25 | 0120756 | 44.90 |
| 11mm x 18mm | 0120739 | 17.06 | 0120757 | 81.12 |
| 12mm x 20mm | 0120741 | 16.77 | 0120759 | 90.78 |
| 20mm x 36mm | | | 0120764 | 120.63 |

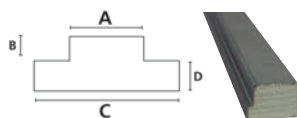
Step Key Stock

Step Key Stock is Zinc plated C1018 steel which is supplied in 1' lengths. Also known as "offset" keystock. Typical Rockwell hardness is B86. Tolerances: dimensions A & C = +.002, B & D = .005. Type 1 is typically used for salvage and repair of damaged keyways in shafts. Type 2 is typically used for mating mismatched keyways, gears and shafts.



Type 1

| Part No. | Size A | Size B | Size C | Size D | Price /Ea |
|----------|--------|--------|--------|--------|-----------|
| 0953060 | 3/16" | 3/32" | 1/8" | 1/16" | \$10.44 |
| 0953061 | 3/8" | 3/16" | 5/16" | 1/8" | 12.28 |
| 0953062 | 3/8" | 3/16" | 5/16" | 5/32" | 16.28 |
| 0953063 | 1/2" | 1/4" | 7/16" | 5/32" | 21.73 |
| 0953064 | 5/8" | 5/16" | 3/8" | 3/16" | 25.61 |
| 0953065 | 3/4" | 3/8" | 1/2" | 1/4" | 35.19 |
| 0953066 | 3/4" | 3/8" | 5/8" | 3/16" | 46.90 |
| 0953067 | 3/4" | 3/8" | 5/8" | 5/16" | 33.89 |
| 0953068 | 1" | 1/2" | 7/8" | 7/16" | 43.98 |



Type 2

| Part No. | Size A | Size B | Size C | Size D | Price /Ea |
|----------|--------|--------|--------|--------|-----------|
| 0953069 | 3/16" | 3/32" | 1/4" | 3/32" | \$10.21 |
| 0953070 | 3/16" | 3/32" | 1/4" | 1/8" | 11.07 |
| 0953071 | 1/4" | 1/8" | 5/16" | 1/8" | 10.83 |
| 0953072 | 1/4" | 1/8" | 3/8" | 1/8" | 11.41 |
| 0953073 | 1/4" | 1/8" | 3/8" | 3/16" | 11.62 |
| 0953074 | 3/8" | 3/16" | 7/16" | 5/32" | 17.11 |
| 0953075 | 3/8" | 3/16" | 1/2" | 3/16" | 18.53 |
| 0953076 | 3/8" | 3/16" | 1/2" | 1/4" | 18.81 |
| 0953077 | 1/2" | 1/4" | 9/16" | 3/16" | 37.12 |
| 0953078 | 1/2" | 1/4" | 5/8" | 3/16" | 24.37 |
| 0953079 | 1/2" | 1/4" | 5/8" | 5/16" | 33.04 |
| 0953080 | 1/2" | 1/4" | 11/16" | 1/4" | 27.20 |
| 0953081 | 5/8" | 5/16" | 11/16" | 1/4" | 41.06 |
| 0953082 | 3/4" | 3/8" | 7/8" | 7/16" | 35.19 |
| 0953083 | 3/4" | 3/8" | 1" | 1/2" | 36.61 |

Machine Keys

Square Ends - Undersize

Machine Keys are made from C1018 steel and are supplied plain. Keys have square ends and are supplied in packages of 10. Tolerances are +.000/-0.02.



| Part No. | Size | Length | Price /Ea |
|----------|-------|--------|-----------|
| 0953148 | 1/8" | 3/4" | \$0.19 |
| 0953149 | 1/8" | 1" | 0.20 |
| 0953150 | 1/8" | 1-1/4" | 0.21 |
| 0953151 | 3/16" | 1/2" | 0.18 |
| 0953152 | 3/16" | 3/4" | 0.20 |
| 0953153 | 3/16" | 1" | 0.21 |
| 0953154 | 3/16" | 1-1/4" | 0.22 |
| 0953155 | 3/16" | 1-1/2" | 0.23 |
| 0953156 | 3/16" | 1-3/4" | 0.25 |
| 0953157 | 3/16" | 2" | 0.27 |
| 0953158 | 3/16" | 2-1/2" | 0.32 |
| 0953159 | 1/4" | 3/4" | 0.33 |
| 0953160 | 1/4" | 1" | 0.33 |
| 0953161 | 1/4" | 1-1/4" | 0.35 |
| 0953162 | 1/4" | 1-1/2" | 0.37 |
| 0953163 | 1/4" | 1-3/4" | 0.39 |
| 0953164 | 1/4" | 2" | 0.41 |
| 0953165 | 1/4" | 2-1/4" | 0.43 |
| 0953166 | 1/4" | 2-1/2" | 0.45 |
| 0953167 | 1/4" | 3" | 0.49 |
| 0953168 | 5/16" | 1-1/4" | 0.40 |
| 0953169 | 5/16" | 1-1/2" | 0.45 |
| 0953170 | 5/16" | 2" | 0.50 |
| 0953171 | 5/16" | 2-1/2" | 0.57 |
| 0953172 | 3/8" | 1-1/4" | 0.47 |
| 0953173 | 3/8" | 1-1/2" | 0.55 |
| 0953174 | 3/8" | 2" | 0.62 |
| 0953175 | 3/8" | 2-1/2" | 0.73 |
| 0953176 | 1/2" | 1-1/2" | 0.66 |
| 0953177 | 1/2" | 2" | .74 |
| 0953178 | 1/2" | 2-1/2" | .90 |

Square Ends - Oversize

Machine Keys are made from C1018 steel and are supplied plain. Keys have square ends and are supplied in packages of 10. Tolerances are +.002/-0.000.

| Part No. | Size | Length | Price /Ea |
|----------|-------|--------|-----------|
| 0953179 | 1/8" | 1/2" | \$0.18 |
| 0953180 | 1/8" | 3/4" | 0.20 |
| 0953181 | 1/8" | 1" | 0.21 |
| 0953182 | 3/16" | 1/2" | 0.22 |
| 0953183 | 3/16" | 3/4" | 0.22 |
| 0953184 | 3/16" | 1" | 0.23 |
| 0953185 | 3/16" | 1-1/4" | 0.26 |
| 0953186 | 3/16" | 1-1/2" | 0.27 |
| 0953187 | 3/16" | 1-3/4" | 0.28 |
| 0953188 | 3/16" | 2" | 0.31 |
| 0953189 | 1/4" | 3/4" | 0.34 |
| 0953190 | 1/4" | 1" | 0.34 |
| 0953191 | 1/4" | 1-1/4" | 0.36 |
| 0953192 | 1/4" | 1-1/2" | 0.38 |
| 0953193 | 1/4" | 1-3/4" | 0.40 |
| 0953194 | 1/4" | 2" | 0.42 |
| 0953195 | 1/4" | 2-1/4" | 0.44 |
| 0953196 | 1/4" | 2-1/2" | 0.46 |
| 0953197 | 3/8" | 1" | 0.52 |
| 0953198 | 3/8" | 1-1/4" | 0.55 |
| 0953199 | 3/8" | 1-3/4" | 0.60 |
| 0953200 | 3/8" | 2" | 0.63 |
| 0953201 | 3/8" | 2-1/4" | 0.68 |
| 0953202 | 3/8" | 2-3/4" | 0.80 |
| 0953203 | 1/2" | 1" | 0.53 |
| 0953204 | 1/2" | 2" | 0.73 |

Round Ends - Oversize

Machine Keys are made from C1018 steel and are supplied plain. Keys have round ends and are supplied in package quantities for convenience. Tolerances are +.002/-0.000.



| Part No. | Size | Length | Pkg. Qty. | Price /Ea |
|----------|-------|--------|-----------|-----------|
| 0953205 | 3/16" | 1/2" | 5 | \$0.97 |
| 0953206 | 3/16" | 3/4" | 5 | 1.01 |
| 0953207 | 3/16" | 1-1/2" | 5 | 1.10 |
| 0953208 | 3/8" | 1" | 5 | 1.22 |
| 0953209 | 3/8" | 1-1/4" | 5 | 1.26 |
| 0953210 | 3/8" | 1-1/2" | 5 | 1.31 |
| 0953211 | 3/8" | 2" | 5 | 1.47 |
| 0953212 | 3/8" | 2-1/2" | 5 | 1.55 |
| 0953213 | 1/2" | 1" | 5 | 1.64 |
| 0953214 | 1/2" | 2" | 5 | 1.93 |
| 0953215 | 1/2" | 2-1/2" | 5 | 2.02 |
| 0953216 | 1/2" | 3" | 1 | 2.18 |
| 0953217 | 1/2" | 3-1/2" | 1 | 2.44 |

Metric - Round Ends - Undersize

Machine Keys are made from C1045 steel and are supplied plain. Keys have round ends and are supplied in packages of 25. Tolerances are +.003/-0.0300. Keys conform to DIN 6885A.

| Part No. | Size | Length | Price /Ea |
|----------|------|--------|-----------|
| 0953218 | 4mm | 8mm | \$0.33 |
| 0953219 | 4mm | 10mm | 0.33 |
| 0953220 | 4mm | 12mm | 0.33 |
| 0953221 | 4mm | 14mm | 0.33 |
| 0953222 | 4mm | 16mm | 0.33 |
| 0953223 | 5mm | 14mm | 0.33 |
| 0953224 | 5mm | 16mm | 0.33 |
| 0953225 | 5mm | 18mm | 0.33 |
| 0953226 | 5mm | 20mm | 0.33 |
| 0953227 | 5mm | 25mm | 0.35 |
| 0953228 | 6mm | 20mm | 0.38 |
| 0953229 | 6mm | 25mm | 0.40 |
| 0953230 | 6mm | 30mm | 0.43 |
| 0953231 | 6mm | 36mm | 0.44 |
| 0953232 | 6mm | 40mm | 0.46 |

Keyed Shafts

Carbon Steel

Shafts are made from 1018 steel and are supplied fully keyed the entire shaft length. Key Depth tolerance is +.010/.000. Key Width Tolerances is +.002/-0.000. Straightness tolerance is 0.012 per foot. Supplied in 3' and 6' lengths. Keyed shafts are supplied plain.



| 3' Length | | | | |
|-----------|----------|--------------|---------------|-----------|
| Part No. | Diameter | Keyway Width | Keyway Height | Price /Ea |
| 0157517 | 1/2" | 1/8" | 1/16" | \$22.54 |
| 0157518 | 5/8" | 3/16" | 3/32" | 23.29 |
| 0157519 | 3/4" | 3/16" | 3/32" | 24.40 |
| 0157520 | 7/8" | 3/16" | 3/32" | 28.63 |
| 0157521 | 1" | 1/4" | 1/8" | 32.93 |
| 0157522 | 1-1/8" | 1/4" | 1/8" | 39.08 |
| 0157523 | 1-3/16" | 1/4" | 1/8" | 40.79 |
| 0157524 | 1-1/4" | 1/4" | 1/8" | 42.49 |
| 0157525 | 1-3/8" | 5/16" | 5/32" | 49.39 |
| 0157526 | 1-7/16" | 3/8" | 3/16" | 55.18 |
| 0157527 | 1-1/2" | 3/8" | 3/16" | 60.22 |

KEYED SHAFTS, LEAD PRODUCTS, TIN PRODUCTS

Keyed Shafts Cont.

| 6' Length | | | | |
|-----------|----------|--------------|---------------|-----------|
| Part No. | Diameter | Keyway Width | Keyway Height | Price /Ea |
| 0953110 | 1/2" | 1/8" | 1/16" | \$45.09 |
| 0953111 | 5/8" | 3/16" | 3/32" | 46.57 |
| 0953112 | 3/4" | 3/16" | 3/32" | 48.80 |
| 0953113 | 7/8" | 3/16" | 3/32" | 57.25 |
| 0953114 | 1" | 1/4" | 1/8" | 65.85 |
| 0953115 | 1-1/8" | 1/4" | 1/8" | 78.16 |
| 0953116 | 1-3/16" | 1/4" | 1/8" | 81.58 |
| 0953117 | 1-1/4" | 1/4" | 1/8" | 84.99 |
| 0953118 | 1-3/8" | 5/16" | 5/32" | 98.78 |
| 0953119 | 1-7/16" | 3/8" | 3/16" | 110.35 |
| 0953120 | 1-1/2" | 3/8" | 3/16" | 120.44 |

Stainless Steel

Shafts are made from 303 stainless steel and are supplied fully keyed the entire shaft length. Key Depth tolerance is +.010/.000. Key Width Tolerances is +.002/-.000. Straightness tolerance is 0.012 per foot. Supplied in 3' and 6' lengths.

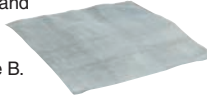
| 3' Length | | | | |
|-----------|----------|--------------|---------------|-----------|
| Part No. | Diameter | Keyway Width | Keyway Height | Price /Ea |
| 0953121 | 1/2" | 1/8" | 1/16" | \$57.40 |
| 0953122 | 5/8" | 3/16" | 3/32" | 63.42 |
| 0953123 | 3/4" | 3/16" | 3/32" | 66.98 |
| 0953124 | 7/8" | 3/16" | 3/32" | 92.00 |
| 0953125 | 1" | 1/4" | 1/8" | 98.26 |
| 0953126 | 1-1/8" | 1/4" | 1/8" | 135.19 |
| 0953127 | 1-3/16" | 1/4" | 1/8" | 137.78 |
| 0953128 | 1-1/4" | 1/4" | 1/8" | 129.08 |
| 0953129 | 1-3/8" | 5/16" | 5/32" | 178.45 |
| 0953130 | 1-7/16" | 3/8" | 3/16" | 182.55 |
| 0953131 | 1-1/2" | 3/8" | 3/16" | 190.88 |

| 6' Length | | | | |
|-----------|----------|--------------|---------------|-----------|
| Part No. | Diameter | Keyway Width | Keyway Height | Price /Ea |
| 0953132 | 1/2" | 1/8" | 1/16" | \$110.20 |
| 0953133 | 5/8" | 3/16" | 3/32" | 121.77 |
| 0953134 | 3/4" | 3/16" | 3/32" | 128.59 |
| 0953135 | 7/8" | 3/16" | 3/32" | 176.65 |
| 0953136 | 1" | 1/4" | 1/8" | 188.66 |
| 0953137 | 1-1/8" | 1/4" | 1/8" | 259.56 |
| 0953138 | 1-3/16" | 1/4" | 1/8" | 264.53 |
| 0953139 | 1-1/4" | 1/4" | 1/8" | 247.84 |
| 0953140 | 1-3/8" | 5/16" | 5/32" | 342.62 |
| 0953141 | 1-7/16" | 3/8" | 3/16" | 350.50 |
| 0953142 | 1-1/2" | 3/8" | 3/16" | 366.48 |

Lead Products

Lead Sheet

Cold-rolled lead sheets are good sound and vibration absorbers. They are easy to form. Use for gasketing, shielding against small amounts of radiation, and lining tanks and containers to prevent corrosion. Meets ASTM B739 and QQL-201 Grade B.



| Part No. | Thickness | Length | Width | Price /Ea |
|----------|-----------|--------|-------|-----------|
| 0952327 | 1/24" | 12" | 12" | \$14.58 |
| 0952328 | 1/16" | 12" | 12" | 22.59 |
| 0952329 | 3/32" | 12" | 12" | 32.60 |
| 0952330 | 1/8" | 12" | 12" | 40.08 |
| 0952331 | 3/16" | 12" | 12" | 61.10 |
| 0952332 | 1/4" | 12" | 12" | 83.23 |
| 0952333 | 1/2" | 12" | 12" | 149.20 |
| 0952334 | 1" | 12" | 12" | 273.49 |
| 0952335 | 1/24" | 24" | 24" | 47.41 |
| 0952336 | 1/16" | 24" | 24" | 70.25 |
| 0952337 | 3/32" | 24" | 24" | 107.16 |
| 0952338 | 1/8" | 24" | 24" | 135.78 |
| 0952339 | 3/16" | 24" | 24" | 241.50 |
| 0952340 | 1/4" | 24" | 24" | 300.69 |
| 0952341 | 1/24" | 48" | 48" | 176.57 |
| 0952342 | 1/16" | 48" | 48" | 237.86 |
| 0952343 | 3/32" | 48" | 48" | 350.75 |

Lead Brick

Use around containers, tanks, and radiation-producing equipment to help shield other equipment from radiation. Meets ASTM B749 + QQL -201 Grade B sheet.



| Part No. | Thickness | Width | Length | Price /Ea |
|----------|-----------|-------|--------|-----------|
| 0952344 | 2" | 3" | 6" | \$54.48 |
| 0952345 | 2" | 4" | 8" | 94.61 |

Lead Disc

Cast-lead discs are for counterbalancing, vibration dampening, and shielding. The center hole allows you to mount them and use them as spacers and washers. Meets ASTM B29 and QQL-171e Grade C.



| Part No. | Thickness | O.D. | I.D. | Price /Ea |
|----------|-----------|---------|--------|-----------|
| 0952347 | 1/2" | 2-3/4" | 13/32" | \$14.60 |
| 0952348 | 1/2" | 4-1/2" | 25/64" | 27.43 |
| 0952349 | 1/2" | 6" | 25/64" | 40.32 |
| 0952350 | 1/2" | 8-1/2" | 41/64" | 62.52 |
| 0952351 | 1/2" | 13" | 41/64" | 190.25 |
| 0952352 | 1" | 4-1/2" | 25/64" | 49.28 |
| 0952353 | 1" | 6" | 25/64" | 67.37 |
| 0952354 | 1" | 8-1/2" | 41/64" | 112.25 |
| 0952355 | 1" | 10-3/4" | 41/64" | 178.13 |
| 0952356 | 1" | 13" | 41/64" | 256.72 |
| 0952357 | 2" | 4-1/2" | 25/64" | 84.83 |
| 0952358 | 2" | 6" | 25/64" | 114.91 |
| 0952359 | 2" | 8-1/2" | 41/64" | 220.61 |

Tin Products

Tin Sheet

Tin sheets are ideal for making into gaskets and filters. Meets ASTM B339 Grade A. 99.85% Tin.



| Part No. | Thickness | Length | Width | Gauge | Price /Ea |
|----------|-----------|--------|-------|---------|-----------|
| 0952360 | 1/32" | 12" | 12" | 0.03125 | \$46.16 |
| 0952361 | 1/16" | 12" | 12" | 0.0625 | 89.17 |
| 0952362 | 1/8" | 12" | 12" | 0.125 | 178.36 |
| 0952363 | 1/32" | 24" | 24" | 0.03125 | 178.88 |
| 0952364 | 1/16" | 24" | 24" | 0.0625 | 363.21 |
| 0952365 | 1/8" | 24" | 24" | 0.125 | 711.26 |

Precision Drill Rod

Drill Rod

Fractional Sizes

Conforms to ASTM A686. Diameter tolerance for 1/16" to 7/64" sizes is +/- 0.0003", for 1/8" to 31/64" sizes is +/- 0.0005", and for 1/2" and greater sizes is +/- 0.001". Length tolerance is +1/8". Sold in 3' lengths. Available in other materials upon request.

| Diameter | O1 Tool Steel | | W1 Tool Steel | | A2 Tool Steel | | Diameter |
|----------|---------------|-----------|---------------|-----------|---------------|-----------|----------|
| | Part No. | Price /Ea | Part No. | Price /Ea | Part No. | Price /Ea | |
| 1/16" | 47760 | \$1.13 | 0987896 | \$1.10 | 0988690 | \$1.24 | 1/16" |
| 5/64" | 0988251 | 1.20 | 0987897 | 1.11 | 0988691 | 2.05 | 5/64" |
| 3/32" | 47761 | 1.36 | 0987898 | 1.25 | 0988692 | 2.32 | 3/32" |
| 7/64" | 0988253 | 1.65 | 0987899 | 1.47 | 0988693 | 2.92 | 7/64" |
| 1/8" | 47762 | 1.53 | 0987900 | 1.50 | 0988694 | 3.24 | 1/8" |
| 9/64" | 0988255 | 2.04 | 0987901 | 1.57 | 0988695 | 4.02 | 9/64" |
| 5/32" | 47763 | 1.72 | 0987902 | 1.66 | 0988696 | 4.36 | 5/32" |
| 11/64" | 0988257 | 2.78 | 0987903 | 2.44 | 0988697 | 4.73 | 11/64" |
| 3/16" | 47764 | 2.20 | 0987904 | 1.86 | 0988698 | 5.85 | 3/16" |
| 13/64" | 0988259 | 2.81 | 0987905 | 2.60 | 0988699 | 6.36 | 13/64" |
| 7/32" | 47765 | 2.40 | 0987906 | 2.00 | 0988700 | 6.33 | 7/32" |
| 15/64" | 0988261 | 3.12 | 0987907 | 3.11 | 0988701 | 6.73 | 15/64" |
| 1/4" | 47766 | 2.76 | 0987908 | 2.22 | 0988702 | 5.87 | 1/4" |
| 17/64" | 0988263 | 3.49 | 0987909 | 3.08 | 0988703 | 6.36 | 17/64" |

| Diameter | O1 Tool Steel | | W1 Tool Steel | | A2 Tool Steel | | Diameter |
|----------|---------------|-----------|---------------|-----------|---------------|-----------|----------|
| | Part No. | Price /Ea | Part No. | Price /Ea | Part No. | Price /Ea | |
| 9/32" | 47767 | \$3.04 | 0987910 | \$3.52 | 0988704 | \$8.28 | 9/32" |
| 19/64" | 0988265 | 4.20 | 0987911 | 3.82 | 0988705 | 7.97 | 19/64" |
| 5/16" | 47768 | 3.95 | 0987912 | 3.19 | 0988706 | 8.56 | 5/16" |
| 21/64" | 0988267 | 4.97 | 0987913 | 4.40 | 0988707 | 9.24 | 21/64" |
| 11/32" | 47769 | 4.01 | 0987914 | 4.77 | 0988708 | 9.92 | 11/32" |
| 23/64" | 0988269 | 5.41 | 0987915 | 5.29 | 0988709 | 11.06 | 23/64" |
| 3/8" | 47770 | 5.29 | 0987916 | 4.32 | 0988710 | 11.75 | 3/8" |
| 25/64" | 0988271 | 6.97 | 0987917 | 6.08 | 0988711 | 13.01 | 25/64" |
| 13/32" | 47771 | 5.50 | 0987918 | 6.34 | 0988712 | 13.46 | 13/32" |
| 27/64" | 0988273 | 7.19 | 0987919 | 6.89 | 0988713 | 13.86 | 27/64" |
| 7/16" | 47772 | 6.69 | 0987920 | 5.45 | 0988714 | 14.60 | 7/16" |
| 29/64" | 0988275 | 9.09 | 0987921 | 7.74 | 0988715 | 15.94 | 29/64" |
| 15/32" | 47773 | 7.04 | 0987922 | 8.40 | 0988716 | 19.70 | 15/32" |
| 31/64" | 0988277 | 10.44 | 0987923 | 9.08 | 0988717 | 21.42 | 31/64" |
| 1/2" | 47774 | 8.24 | 0987924 | 6.95 | 0988718 | 19.38 | 1/2" |
| 33/64" | 0988279 | 11.58 | 0987925 | 8.97 | | | 33/64" |

Precision Drill Rod

| O1 Tool Steel | | | W1 Tool Steel | | A2 Tool Steel | | Diameter |
|---------------|----------|-----------|---------------|-----------|---------------|-----------|----------|
| Diameter | Part No. | Price /Ea | Part No. | Price /Ea | Part No. | Price /Ea | |
| 17/32" | 47775 | \$8.51 | 0987926 | \$9.41 | 0988719 | \$21.23 | 17/32" |
| 35/64" | 0988281 | 11.79 | | | | | 35/64" |
| 9/16" | 47776 | 9.56 | 0987927 | 8.37 | 0988720 | 23.65 | 9/16" |
| 37/64" | 0988283 | 13.17 | | | | | 37/64" |
| 19/32" | 47777 | 10.63 | 0987928 | 11.74 | 0988721 | 26.30 | 19/32" |
| 39/64" | 0988285 | 14.73 | | | | | 39/64" |
| 5/8" | 47778 | 11.49 | 0987929 | 10.12 | 0988722 | 29.03 | 5/8" |
| 21/32" | 47779 | 12.88 | 0987930 | 13.85 | 0988723 | 32.01 | 21/32" |
| 11/16" | 47780 | 14.12 | 0987931 | 11.38 | 0988724 | 35.14 | 11/16" |
| 23/32" | 47781 | 15.49 | 0987932 | 16.43 | 0988725 | 38.40 | 23/32" |
| 3/4" | 47782 | 16.18 | 0987933 | 13.88 | 0988726 | 41.64 | 3/4" |
| 25/32" | 47783 | 19.51 | 0987934 | 20.06 | | | 25/32" |
| 13/16" | 47784 | 21.68 | 0987935 | 21.64 | 0988727 | 48.87 | 13/16" |
| 27/32" | 47785 | 23.03 | 0987936 | 23.41 | | | 27/32" |
| 7/8" | 47786 | 23.55 | 0987937 | 18.88 | 0988728 | 56.67 | 7/8" |
| 29/32" | 47787 | 29.55 | 0987938 | 27.01 | | | 29/32" |
| 15/16" | 47788 | 28.35 | 0987939 | 28.83 | | | 15/16" |
| 31/32" | 47789 | 30.42 | 0987940 | 31.10 | | | 31/32" |

| Diameter | O1 Tool Steel | | W1 Tool Steel | | A2 Tool Steel | | Diameter |
|----------|---------------|-----------|---------------|-----------|---------------|-----------|----------|
| | Part No. | Price /Ea | Part No. | Price /Ea | Part No. | Price /Ea | |
| 1" | 47790 | \$28.98 | 0987941 | \$24.42 | 0988729 | \$66.42 | 1" |
| 1-1/16" | 47791 | 34.67 | 0987942 | 27.11 | 0988730 | 74.99 | 1-1/16" |
| 1-1/8" | 47792 | 37.02 | 0987943 | 27.98 | 0988731 | 84.12 | 1-1/8" |
| 1-3/16" | 47793 | 43.45 | 0987944 | 31.23 | | | 1-3/16" |
| 1-1/4" | 47794 | 46.34 | 0987945 | 34.74 | 0988732 | 99.28 | 1-1/4" |
| 1-5/16" | 47795 | 50.84 | 0987946 | 50.89 | | | 1-5/16" |
| 1-3/8" | 0988304 | 57.96 | 0987947 | 41.45 | 0988733 | 111.23 | 1-3/8" |
| 1-7/16" | 0988305 | 63.33 | 0987948 | 45.37 | | | 1-7/16" |
| 1-1/2" | 0988306 | 68.98 | 0987949 | 48.30 | 0988734 | 131.82 | 1-1/2" |
| 1-9/16" | | | 0987950 | 66.37 | | | 1-9/16" |
| 1-5/8" | 0988307 | 79.63 | 0987951 | 73.98 | | | 1-5/8" |
| 1-11/16" | | | 0987952 | 55.75 | | | 1-11/16" |
| 1-3/4" | 0988308 | 91.49 | 0987953 | 64.00 | 0988735 | 178.01 | 1-3/4" |
| 1-13/16" | | | 0987954 | 91.98 | | | 1-13/16" |
| 1-7/8" | 0988309 | 106.09 | 0987955 | 98.55 | | | 1-7/8" |
| 1-15/16" | | | 0987956 | 78.04 | | | 1-15/16" |
| 2" | 0988310 | 120.30 | 0987957 | 78.43 | 0988736 | 233.58 | 2" |
| 2-1/4" | 0988311 | 136.70 | | | | | 2-1/4" |
| 2-1/2" | 0988312 | 165.69 | | | | | 2-1/2" |
| 2-3/4" | 0988313 | 215.75 | | | | | 2-3/4" |
| 3" | 0988314 | 245.16 | | | | | 3" |

Drill Rod Number Sizes

Conforms to ASTM A686. Diameter tolerance for .063" to .120" sizes is +/-0.0003" and for .127" and greater sizes is +/-0.0005". Length tolerance is +1/8". Sold in 3' lengths.

| Size | O1 Tool Steel | | W1 Tool Steel | |
|------|---------------|-----------|---------------|-----------|
| | Part No. | Price /Ea | Part No. | Price /Ea |
| #52 | 0988318 | \$1.46 | 0987958 | \$0.89 |
| #51 | 0988319 | 1.47 | 0987959 | 0.93 |
| #50 | 0988320 | 1.49 | 0987960 | 0.96 |
| #49 | 0988321 | 1.50 | 0987961 | 0.99 |
| #48 | 0988322 | 1.53 | 0987962 | 1.03 |
| #47 | 0988323 | 1.56 | 0987963 | 2.17 |
| #46 | 0988324 | 1.61 | 0987964 | 1.11 |
| #45 | 0988325 | 1.67 | 0987965 | 1.15 |
| #44 | 0988326 | 1.68 | 0987966 | 1.19 |
| #43 | 0988327 | 1.70 | 0987967 | 1.12 |
| #42 | 0988328 | 1.72 | 0987968 | 1.19 |
| #41 | 0988329 | 1.75 | 0987969 | 1.24 |
| #40 | 0988330 | 1.75 | 0987970 | 1.27 |
| #39 | 0988331 | 1.76 | 0987971 | 1.30 |
| #38 | 0988332 | 1.78 | 0987972 | 1.37 |
| #37 | 0988333 | 1.79 | 0987973 | 1.40 |
| #36 | 0988334 | 1.81 | 0987974 | 1.44 |
| #35 | 0988335 | 1.82 | 0987975 | 1.47 |
| #34 | 0988336 | 1.85 | 0987976 | 1.51 |
| #33 | 0988337 | 1.86 | 0987977 | 1.58 |
| #32 | 0988338 | 1.90 | 0987978 | 1.65 |
| #31 | 0988339 | 1.92 | 0987979 | 1.73 |
| #30 | 0988340 | 1.97 | 0987980 | 1.61 |
| #29 | 0988341 | 2.00 | 0987981 | 1.73 |
| #28 | 0988342 | 2.04 | 0987982 | 1.81 |
| #27 | 0988343 | 2.11 | 0987983 | 1.89 |
| #26 | 0988344 | 2.13 | 0987984 | 1.94 |
| #25 | 0988345 | 2.13 | 0987985 | 1.99 |
| #24 | 0988346 | 2.14 | 0987986 | 2.03 |
| #23 | 0988347 | 2.15 | 0987987 | 2.09 |
| #22 | 0988348 | 2.17 | 0987988 | 2.13 |
| #21 | 0988349 | 2.22 | 0987989 | 1.66 |
| #20 | 0988350 | 2.25 | 0987990 | 2.01 |
| #19 | 0988351 | 2.32 | 0987991 | 2.07 |
| #18 | 0988352 | 2.33 | 0987992 | 2.15 |
| #17 | 0988353 | 2.36 | 0987993 | 2.22 |
| #16 | 0988354 | 2.37 | 0987994 | 2.28 |
| #15 | 0988355 | 2.39 | 0987995 | 2.35 |
| #14 | 0988356 | 2.42 | 0987996 | 2.40 |
| #13 | 0988357 | 2.44 | 0987997 | 2.44 |
| #12 | 0988358 | 2.49 | 0987998 | 2.50 |
| #11 | 0988359 | 2.53 | 0987999 | 2.56 |
| #10 | 0988360 | 2.54 | 0988000 | 2.60 |
| #9 | 0988361 | 2.55 | 0988001 | 2.66 |
| #8 | 0988362 | 2.69 | 0988002 | 2.76 |
| #7 | 0988363 | 2.78 | 0988003 | 2.30 |
| #6 | 0988364 | 2.82 | 0988004 | 2.31 |

| Size | O1 Tool Steel | | W1 Tool Steel | |
|------|---------------|-----------|---------------|-----------|
| | Part No. | Price /Ea | Part No. | Price /Ea |
| #5 | 0988365 | \$2.91 | 0988005 | \$2.34 |
| #4 | 0988366 | 2.98 | 0988006 | 2.43 |
| #3 | 0988367 | 3.03 | 0988007 | 2.52 |
| #2 | 0988368 | 3.12 | 0988008 | 2.65 |
| #1 | 0988369 | 3.15 | 0988009 | 2.79 |

Drill Rod Letter Sizes

Conforms to ASTM A686. Diameter tolerance is +/-0.0005". Length tolerance is +1/8". Sold in 3' lengths. Other materials available upon request.

| O1 Tool Steel | | |
|---------------|------|-----------|
| Part No. | Size | Price /Ea |
| 0988370 | A | \$3.21 |
| 0988371 | B | 3.33 |
| 0988372 | C | 3.43 |
| 0988373 | D | 3.48 |
| 47766 | E | 2.76 |
| 0988375 | F | 3.55 |
| 0988376 | G | 3.57 |
| 0988377 | H | 3.62 |
| 0988378 | I | 3.68 |
| 0988379 | J | 3.79 |
| 0988380 | K | 3.83 |
| 0988381 | L | 3.94 |
| 0988382 | M | 4.01 |
| 0988383 | N | 4.15 |
| 0988384 | O | 4.48 |
| 0988385 | P | 4.58 |
| 0988386 | Q | 4.85 |
| 0988387 | R | 5.10 |
| 0988388 | S | 5.31 |
| 0988389 | T | 5.63 |
| 0988390 | U | 5.94 |
| 0988391 | V | 5.48 |
| 0988392 | W | 5.72 |
| 0988393 | X | 5.90 |
| 0988394 | Y | 6.12 |
| 0988395 | Z | 6.37 |

Drill Rod Metric Sizes

Diameter tolerance for 2mm and 3mm sizes is +/-0.008mm, for 4mm to 12mm sizes is +/-0.013mm, and for 13mm and greater sizes is +/-0.025mm. Length tolerance is +1/4". Sold in 3' lengths.

| Diameter | O1 Tool Steel | | A2 Tool Steel | |
|----------|---------------|-----------|---------------|-----------|
| | Part No. | Price /Ea | Part No. | Price /Ea |
| 2mm | 46950 | \$1.68 | 0988740 | \$4.38 |
| 3mm | 46951 | 1.93 | 0988741 | 6.22 |
| 4mm | 46952 | 2.05 | 0988742 | 6.48 |
| 5mm | 46953 | 2.64 | 0988743 | 8.03 |
| 6mm | 46954 | 3.30 | 0988744 | 10.25 |
| 7mm | 46955 | 3.60 | 0988745 | 11.33 |
| 8mm | 46956 | 4.35 | 0988746 | 13.93 |
| 9mm | 46957 | 5.24 | 0988747 | 16.93 |
| 10mm | 46958 | 6.43 | 0988748 | 20.82 |
| 11mm | 46959 | 7.92 | 0988749 | 25.85 |
| 12mm | 46960 | 9.09 | 0988750 | 29.88 |
| 13mm | 46961 | 10.35 | 0988751 | 34.57 |
| 14mm | 46962 | 11.53 | 0988752 | 40.08 |
| 15mm | 46963 | 13.21 | 0988753 | 45.66 |
| 16mm | 46964 | 14.52 | 0988754 | 50.53 |
| 17mm | 46965 | 16.64 | 0988755 | 57.63 |
| 18mm | 46966 | 18.71 | 0988756 | 64.90 |
| 19mm | 46967 | 20.28 | 0988757 | 70.61 |
| 20mm | 46968 | 22.46 | 0988758 | 82.44 |
| 21mm | 46969 | 25.51 | 0988759 | 87.27 |
| 22mm | 46970 | 28.54 | 0988760 | 95.79 |
| 23mm | 46971 | 30.41 | 0988761 | 102.71 |
| 24mm | 46972 | 32.28 | 0988762 | 113.46 |
| 25mm | 46973 | 35.07 | 0988763 | 123.10 |
| 30 mm | 0988420 | 51.73 | | |

GROUND FLAT STOCK

Ground Flat Stock

Grade O1 Oil-Hardening Precision Ground Flat Stock

Conforms to ASTM A681 and is supplied annealed. Rockwell hardness is 89-96 B scale. Thickness tolerance is +/-0.001". Width tolerance is +0.005". Length tolerance is +1/4". Sold in 1-1/2' & 3' lengths.

GROUND FLAT STOCK

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 1/64" | 1/2" | 0988036 | \$55.40 | 0994044 | \$107.46 |
| 1/64" | 2" | 0988037 | 86.72 | 0994045 | 168.24 |
| 1/64" | 4" | 0988038 | 160.45 | 0994046 | 311.26 |
| 1/32" | 1/2" | 0988039 | 9.48 | 0994047 | 18.41 |
| 1/32" | 3/4" | 0988040 | 12.45 | 0994048 | 24.21 |
| 1/32" | 1" | 0988041 | 14.96 | 0994049 | 29.04 |
| 1/32" | 1-1/2" | 0988042 | 20.57 | 0994050 | 39.77 |
| 1/32" | 2" | 0988043 | 26.01 | 0994051 | 50.32 |
| 1/32" | 3" | 0988044 | 37.20 | 0994052 | 71.87 |
| 1/32" | 4" | 0988045 | 48.29 | 0994053 | 93.09 |
| 3/64" | 1/2" | 0988046 | 8.37 | 0994054 | 16.26 |
| 3/64" | 3/4" | 0988047 | 10.82 | 0994055 | 21.01 |
| 3/64" | 1" | 0988048 | 13.24 | 0994056 | 25.56 |
| 3/64" | 2" | 0988049 | 22.84 | 0994057 | 43.88 |
| 3/64" | 4" | 0988050 | 50.78 | 0994058 | 80.33 |
| 1/16" | 1/4" | 0950508 | 19.58 | 0950509 | 38.34 |
| 1/16" | 5/16" | 0950510 | 22.19 | 0950511 | 43.59 |
| 1/16" | 3/8" | 0950512 | 9.91 | 0950513 | 19.21 |
| 1/16" | 1/2" | 0988051 | 5.93 | 0994059 | 11.44 |
| 1/16" | 5/8" | 0950514 | 6.87 | 0950515 | 13.19 |
| 1/16" | 3/4" | 0988052 | 7.56 | 0994060 | 14.52 |
| 1/16" | 1" | 0988053 | 9.09 | 0994061 | 17.49 |
| 1/16" | 1-1/4" | 0988054 | 10.69 | 0994062 | 20.37 |
| 1/16" | 1-1/2" | 0988055 | 12.29 | 0994063 | 23.43 |
| 1/16" | 1-3/4" | 0950516 | 13.88 | 0950517 | 26.38 |
| 1/16" | 2" | 0988056 | 15.44 | 0994064 | 29.38 |
| 1/16" | 2-1/2" | 0988057 | 18.62 | 0994065 | 35.32 |
| 1/16" | 3" | 0988058 | 21.79 | 0994066 | 41.25 |
| 1/16" | 3-1/2" | 0988059 | 25.00 | 0994067 | 47.33 |
| 1/16" | 4" | 0988060 | 28.11 | 0994068 | 53.16 |
| 1/16" | 5" | 0950518 | 34.45 | 0950519 | 65.08 |
| 1/16" | 6" | 0950520 | 40.80 | 0950521 | 77.01 |
| 1/16" | 8" | 0950522 | 59.88 | 0950523 | 112.93 |
| 1/16" | 10" | 0950524 | 74.04 | 0950525 | 139.59 |
| 3/32" | 1/4" | 0950526 | 24.74 | 0950527 | 48.51 |
| 3/32" | 5/16" | 0950528 | 21.28 | 0950529 | 41.75 |
| 3/32" | 3/8" | 0950530 | 13.58 | 0950531 | 26.61 |
| 3/32" | 1/2" | 0988061 | 7.77 | 0994069 | 14.97 |
| 3/32" | 3/4" | 0988062 | 9.67 | 0994070 | 18.55 |
| 3/32" | 1" | 0988063 | 11.67 | 0994071 | 22.21 |
| 3/32" | 1-1/4" | 0950532 | 13.59 | 0950533 | 25.72 |
| 3/32" | 1-1/2" | 0988064 | 15.52 | 0994072 | 29.33 |
| 3/32" | 1-3/4" | 0950534 | 17.48 | 0950535 | 32.95 |
| 3/32" | 2" | 0988065 | 19.42 | 0994073 | 36.53 |
| 3/32" | 2-1/2" | 0988066 | 23.35 | 0994074 | 43.76 |
| 3/32" | 3" | 0988067 | 27.26 | 0994075 | 51.06 |
| 3/32" | 4" | 0988068 | 35.00 | 0994076 | 65.48 |
| 3/32" | 5" | 0950536 | 42.79 | 0950537 | 79.92 |
| 3/32" | 6" | 0950538 | 50.56 | 0950539 | 94.35 |
| 3/32" | 8" | 0950540 | 74.15 | 0950541 | 138.04 |
| 3/32" | 10" | 0950542 | 97.72 | 0950543 | 181.79 |
| 1/8" | 1/8" | 0988069 | 16.14 | 0994077 | 31.67 |
| 1/8" | 1/4" | 0988070 | 5.89 | 0994078 | 11.40 |
| 1/8" | 5/16" | 0988071 | 6.35 | 0994079 | 12.43 |
| 1/8" | 3/8" | 0950544 | 6.82 | 0950545 | 13.15 |
| 1/8" | 1/2" | 0988072 | 7.55 | 0994080 | 14.46 |
| 1/8" | 5/8" | 0950546 | 8.68 | 0950547 | 16.11 |
| 1/8" | 3/4" | 0988073 | 9.37 | 0994081 | 17.79 |
| 1/8" | 1" | 0988074 | 11.16 | 0994082 | 21.04 |
| 1/8" | 1-1/4" | 0988075 | 12.81 | 0994083 | 24.11 |
| 1/8" | 1-1/2" | 0988076 | 14.61 | 0994084 | 27.38 |
| 1/8" | 1-3/4" | 0950548 | 16.44 | 0950549 | 30.64 |
| 1/8" | 2" | 0988077 | 18.20 | 0994085 | 33.86 |
| 1/8" | 2-1/2" | 0988078 | 22.73 | 0994086 | 40.35 |
| 1/8" | 3" | 0988079 | 25.33 | 0994087 | 46.88 |
| 1/8" | 3-1/2" | 0988080 | 28.92 | 0994088 | 53.40 |
| 1/8" | 4" | 0988081 | 32.45 | 0994089 | 59.89 |
| 1/8" | 4-1/2" | 0950550 | 36.05 | 0950551 | 66.39 |
| 1/8" | 5" | 0950552 | 39.60 | 0950553 | 72.88 |
| 1/8" | 6" | 0988082 | 46.72 | 0994090 | 85.88 |
| 1/8" | 7" | 0950554 | 60.42 | 0950555 | 110.94 |

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 1/8" | 8" | 0988083 | \$68.52 | 0994091 | \$125.75 |
| 1/8" | 10" | 0950556 | 84.58 | 0950557 | 155.00 |
| 1/8" | 12" | 0950558 | 100.69 | 0950559 | 184.44 |
| 1/8" | 14" | 0950560 | 116.42 | 0950561 | 213.00 |
| 5/32" | 3/4" | 0988084 | 11.52 | 0994092 | 21.83 |
| 5/32" | 1" | 0988085 | 13.71 | 0994093 | 25.82 |
| 5/32" | 1-1/2" | 0988086 | 17.94 | 0994094 | 33.51 |
| 5/32" | 2" | 0988087 | 22.31 | 0994095 | 41.45 |
| 5/32" | 4" | 0988088 | 39.69 | 0994096 | 73.07 |
| 3/16" | 3/16" | 0988089 | 14.47 | 0994097 | 28.28 |
| 3/16" | 1/4" | 0950564 | 8.03 | 0950565 | 15.60 |
| 3/16" | 5/16" | 0950566 | 8.62 | 0950567 | 16.93 |
| 3/16" | 3/8" | 0950568 | 9.20 | 0950569 | 17.65 |
| 3/16" | 1/2" | 0988090 | 10.57 | 0994098 | 19.43 |
| 3/16" | 5/8" | 0950570 | 11.53 | 0950571 | 21.84 |
| 3/16" | 3/4" | 0988091 | 12.41 | 0994099 | 23.34 |
| 3/16" | 1" | 0988092 | 14.61 | 0994100 | 27.33 |
| 3/16" | 1-1/4" | 0988093 | 16.71 | 0994101 | 31.06 |
| 3/16" | 1-1/2" | 0988094 | 18.93 | 0994102 | 35.03 |
| 3/16" | 1-3/4" | 0950572 | 21.16 | 0950573 | 38.98 |
| 3/16" | 2" | 0988095 | 23.40 | 0994103 | 43.03 |
| 3/16" | 2-1/2" | 0950574 | 27.81 | 0950575 | 50.89 |
| 3/16" | 3" | 0988096 | 32.31 | 0994104 | 58.87 |
| 3/16" | 3-1/2" | 0950576 | 36.79 | 0950577 | 66.89 |
| 3/16" | 4" | 0988097 | 41.19 | 0994105 | 74.77 |
| 3/16" | 5" | 0950578 | 50.09 | 0950579 | 90.70 |
| 3/16" | 6" | 0950580 | 58.97 | 0950581 | 106.57 |
| 3/16" | 8" | 0950582 | 85.99 | 0950583 | 155.06 |
| 3/16" | 10" | 0950584 | 105.95 | 0950585 | 190.72 |
| 3/16" | 12" | 0950586 | 126.07 | 0950587 | 226.66 |
| 1/4" | 1/4" | 0988098 | 13.07 | 0994106 | 25.33 |
| 1/4" | 5/16" | 0950588 | 19.76 | 0950589 | 38.77 |
| 1/4" | 3/8" | 0950590 | 10.37 | 0950591 | 19.82 |
| 1/4" | 1/2" | 0988099 | 11.37 | 0994107 | 21.60 |
| 1/4" | 5/8" | 0988100 | 12.61 | 0994108 | 23.77 |
| 1/4" | 3/4" | 0988101 | 13.73 | 0994109 | 25.78 |
| 1/4" | 1" | 0988102 | 16.18 | 0994110 | 30.05 |
| 1/4" | 1-1/4" | 0950592 | 18.35 | 0950593 | 33.89 |
| 1/4" | 1-1/2" | 0988103 | 20.88 | 0994111 | 38.15 |
| 1/4" | 1-3/4" | 0950594 | 22.99 | 0950595 | 42.04 |
| 1/4" | 2" | 0988104 | 25.53 | 0994112 | 46.59 |
| 1/4" | 2-1/2" | 0988105 | 30.33 | 0994113 | 54.97 |
| 1/4" | 3" | 0988106 | 35.10 | 0994114 | 63.41 |
| 1/4" | 3-1/2" | 0950596 | 39.88 | 0950597 | 71.86 |
| 1/4" | 4" | 0988107 | 44.65 | 0994115 | 80.27 |
| 1/4" | 4-1/2" | 0988108 | 49.42 | 0994116 | 88.69 |
| 1/4" | 5" | 0988109 | 54.21 | 0994117 | 97.09 |
| 1/4" | 5-1/2" | 0950598 | 59.01 | 0950599 | 105.57 |
| 1/4" | 6" | 0988110 | 63.74 | 0994118 | 118.57 |
| 1/4" | 7" | 0950600 | 82.20 | 0950601 | 146.67 |
| 1/4" | 8" | 0988111 | 93.10 | 0994119 | 165.92 |
| 1/4" | 10" | 0988112 | 114.61 | 0994120 | 203.83 |
| 1/4" | 12" | 0950602 | 136.19 | 0950603 | 241.98 |
| 1/4" | 14" | 0950604 | 157.22 | 0950605 | 278.89 |
| 5/16" | 5/16" | 0988113 | 14.23 | 0994121 | 27.35 |
| 5/16" | 3/8" | 0950606 | 12.45 | 0950607 | 23.83 |
| 5/16" | 1/2" | 0988114 | 13.63 | 0994122 | 25.85 |
| 5/16" | 5/8" | 0950608 | 15.07 | 0950609 | 28.37 |
| 5/16" | 3/4" | 0988115 | 16.50 | 0994123 | 30.83 |
| 5/16" | 1" | 0988116 | 19.32 | 0994124 | 35.81 |
| 5/16" | 1-1/4" | 0950610 | 21.93 | 0950611 | 40.33 |
| 5/16" | 1-1/2" | 0988117 | 24.78 | 0994125 | 45.35 |
| 5/16" | 1-3/4" | 0950612 | 27.63 | 0950613 | 50.28 |
| 5/16" | 2" | 0988118 | 30.46 | 0994126 | 55.22 |
| 5/16" | 2-1/2" | 0950614 | 36.12 | 0950615 | 65.17 |
| 5/16" | 3" | 0988119 | 41.78 | 0994127 | 75.06 |
| 5/16" | 3-1/2" | 0950616 | 47.44 | 0950617 | 84.97 |
| 5/16" | 4" | 0988120 | 53.11 | 0994128 | 94.90 |
| 5/16" | 4-1/2" | 0950618 | 58.77 | 0950619 | 104.81 |
| 5/16" | 5" | 0950620 | 64.42 | 0950621 | 114.48 |
| 5/16" | 6" | 0950622 | 75.73 | 0950623 | 139.49 |
| 5/16" | 7" | 0950624 | 97.41 | 0950625 | 172.65 |
| 5/16" | 8" | 0950626 | 110.45 | 0950627 | 195.11 |
| 5/16" | 10" | 0950628 | 135.61 | 0950629 | 239.49 |
| 5/16" | 12" | 0950630 | 143.89 | 0950631 | 284.19 |
| 3/8" | 3/8" | 0988121 | 17.99 | 0994129 | 34.44 |
| 3/8" | 1/2" | 0988122 | 16.59 | 0994130 | 31.50 |
| 3/8" | 5/8" | 0950632 | 18.32 | 0950633 | 34.55 |
| 3/8" | 3/4" | 0988123 | 20.03 | 0994131 | 37.57 |
| 3/8" | 1" | 0988124 | 23.45 | 0994132 | 43.50 |
| 3/8" | 1-1/4" | 0988125 | 26.62 | 0994133 | 49.00 |

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 3/8" | 1-1/2" | 0988126 | \$30.07 | 0994134 | \$55.04 |
| 3/8" | 1-3/4" | 0950634 | 34.46 | 0950635 | 62.79 |
| 3/8" | 2" | 0988127 | 36.87 | 0994135 | 67.04 |
| 3/8" | 2-1/2" | 0988128 | 43.72 | 0994136 | 78.95 |
| 3/8" | 3" | 0988129 | 50.55 | 0994137 | 90.91 |
| 3/8" | 3-1/2" | 0950636 | 57.42 | 0950637 | 102.93 |
| 3/8" | 4" | 0988130 | 64.23 | 0994138 | 114.90 |
| 3/8" | 4-1/2" | 0950638 | 71.06 | 0950639 | 126.83 |
| 3/8" | 5" | 0950640 | 77.89 | 0950641 | 138.75 |
| 3/8" | 5-1/2" | 0950642 | 84.75 | 0950643 | 150.80 |
| 3/8" | 6" | 0988131 | 91.55 | 0994139 | 162.74 |
| 3/8" | 7" | 0950644 | 117.66 | 0950645 | 208.76 |
| 3/8" | 8" | 0950646 | 194.56 | 0950647 | 343.49 |
| 3/8" | 10" | 0988132 | 133.17 | 0994140 | 235.88 |
| 3/8" | 12" | 0988133 | 163.78 | 0994141 | 289.52 |
| 1/2" | 1/2" | 0988134 | 20.46 | 0994142 | 38.73 |
| 1/2" | 5/8" | 0988135 | 22.55 | 0994143 | 42.35 |
| 1/2" | 3/4" | 0988136 | 24.62 | 0994144 | 45.97 |
| 1/2" | 1" | 0988137 | 28.78 | 0994145 | 53.18 |
| 1/2" | 1-1/4" | 0950648 | 32.82 | 0950649 | 60.15 |
| 1/2" | 1-1/2" | 0988138 | 36.96 | 0994146 | 67.37 |
| 1/2" | 1-3/4" | 0950650 | 41.23 | 0950651 | 74.78 |
| 1/2" | 2" | 0988139 | 45.26 | 0994147 | 81.80 |
| 1/2" | 2-1/2" | 0950652 | 53.27 | 0950653 | 96.28 |
| 1/2" | 3" | 0988140 | 62.12 | 0994148 | 111.74 |
| 1/2" | 3-1/2" | 0950654 | 70.23 | 0950655 | 125. |

Ground Flat Stock Cont.

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 1" | 10" | 0950696 | \$329.06 | 0950697 | \$559.48 |
| 1" | 12" | 0988174 | 386.86 | 0994182 | 655.35 |
| 1-1/2" | 1-1/2" | 0950698 | 93.90 | 0950699 | 167.25 |
| 1-1/2" | 2" | 0950700 | 113.35 | 0950701 | 199.23 |
| 1-1/2" | 2-1/2" | 0950702 | 132.76 | 0950703 | 231.23 |
| 1-1/2" | 3" | 0950704 | 152.18 | 0950705 | 263.30 |
| 1-1/2" | 3-1/2" | 0950706 | 171.62 | 0950707 | 295.28 |
| 1-1/2" | 4" | 0950708 | 191.05 | 0950709 | 327.29 |
| 1-1/2" | 5" | 0950710 | 230.47 | 0950711 | 392.44 |
| 1-1/2" | 6" | 0950712 | 269.36 | 0950713 | 461.94 |
| 1-1/2" | 8" | 0950714 | 379.60 | 0950715 | 639.40 |

Grade A2 Air-Hardening Precision Ground Flat Stock

Conforms to ASTM A681 and is supplied annealed. Rockwell hardness is 89-99 B scale. Thickness tolerance is +/-0.001". Width tolerance is +0.005". Length tolerance is +1/4" for 1-1/2" lengths; +1/2" for 3" lengths.

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 1/16" | 1/2" | 0988462 | \$9.38 | 0994278 | \$16.45 |
| 1/16" | 3/4" | 0988463 | 12.70 | 0994279 | 22.16 |
| 1/16" | 1" | 0988464 | 14.62 | 0994280 | 25.42 |
| 1/16" | 1-1/4" | 0988465 | 17.09 | 0994281 | 29.69 |
| 1/16" | 1-1/2" | 0988466 | 19.73 | 0994282 | 34.39 |
| 1/16" | 2" | 0988467 | 24.86 | 0994283 | 43.00 |
| 1/16" | 2-1/2" | 0988468 | 30.14 | 0994284 | 52.02 |
| 1/16" | 3" | 0988469 | 31.91 | 0994285 | 55.15 |
| 1/16" | 4" | 0988470 | 45.74 | 0994286 | 78.90 |
| 3/32" | 1/2" | 0988471 | 12.46 | 0994287 | 21.76 |
| 3/32" | 3/4" | 0988472 | 15.71 | 0994288 | 27.27 |
| 3/32" | 1" | 0988473 | 19.01 | 0994289 | 32.84 |
| 3/32" | 1-1/4" | 0988474 | 22.49 | 0994290 | 38.22 |
| 3/32" | 1-1/2" | 0988475 | 25.48 | 0994291 | 43.78 |
| 3/32" | 2" | 0988476 | 32.00 | 0994292 | 54.89 |
| 3/32" | 3" | 0988477 | 45.13 | 0994293 | 77.21 |
| 3/32" | 4" | 0988478 | 58.27 | 0994294 | 99.51 |
| 1/8" | 1/2" | 0988479 | 10.38 | 0994295 | 17.98 |
| 1/8" | 3/4" | 0988480 | 12.85 | 0994296 | 22.11 |
| 1/8" | 1" | 0988481 | 15.32 | 0994297 | 26.17 |
| 1/8" | 1-1/4" | 0988482 | 17.62 | 0994298 | 29.98 |
| 1/8" | 1-1/2" | 0988483 | 20.14 | 0994299 | 34.11 |
| 1/8" | 2" | 0988484 | 25.06 | 0994300 | 42.30 |
| 1/8" | 2-1/2" | 0988485 | 29.98 | 0994301 | 50.48 |
| 1/8" | 3" | 0988486 | 34.95 | 0994302 | 58.66 |
| 1/8" | 4" | 0988487 | 44.81 | 0994303 | 75.09 |
| 5/32" | 1/2" | 0988488 | 13.34 | 0994304 | 23.15 |
| 5/32" | 3/4" | 0988489 | 16.55 | 0994305 | 28.41 |
| 5/32" | 1" | 0988490 | 19.72 | 0994306 | 33.76 |
| 5/32" | 1-1/4" | 0988491 | 22.75 | 0994307 | 38.79 |
| 5/32" | 1-1/2" | 0988492 | 25.97 | 0994308 | 44.04 |
| 5/32" | 2" | 0988493 | 32.37 | 0994309 | 54.72 |
| 5/32" | 3" | 0988494 | 45.18 | 0994310 | 76.00 |
| 5/32" | 4" | 0988495 | 57.98 | 0994311 | 97.25 |
| 3/16" | 1/2" | 0988496 | 14.53 | 0994312 | 25.08 |
| 3/16" | 3/4" | 0988497 | 17.79 | 0994313 | 30.42 |
| 3/16" | 1" | 0988498 | 21.10 | 0994314 | 35.88 |
| 3/16" | 1-1/4" | 0988499 | 24.16 | 0994315 | 40.92 |
| 3/16" | 1-1/2" | 0988500 | 27.42 | 0994316 | 46.28 |
| 3/16" | 2" | 0988501 | 34.12 | 0994317 | 57.22 |
| 3/16" | 3" | 0988502 | 47.35 | 0994318 | 78.86 |
| 3/16" | 4" | 0988503 | 60.55 | 0994319 | 100.60 |
| 3/16" | 6" | 0988504 | 86.98 | 0994320 | 144.00 |
| 3/16" | 8" | 0988505 | 130.07 | 0994321 | 222.41 |
| 3/16" | 12" | 0988506 | 192.45 | 0994322 | 329.03 |
| 1/4" | 1/4" | 0988507 | 22.08 | 0994323 | 38.69 |
| 1/4" | 1/2" | 0988508 | 16.50 | 0994324 | 28.45 |
| 1/4" | 3/4" | 0988509 | 20.14 | 0994325 | 34.37 |
| 1/4" | 1" | 0988510 | 23.87 | 0994326 | 40.44 |
| 1/4" | 1-1/4" | 0988511 | 27.20 | 0994327 | 45.82 |
| 1/4" | 1-1/2" | 0988512 | 30.88 | 0994328 | 51.91 |
| 1/4" | 2" | 0988513 | 38.25 | 0994329 | 63.82 |
| 1/4" | 2-1/2" | 0988514 | 45.54 | 0994330 | 75.73 |
| 1/4" | 3" | 0988515 | 52.91 | 0994331 | 87.69 |
| 1/4" | 4" | 0988516 | 67.57 | 0994332 | 111.63 |

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|-------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 1/4" | 6" | 0988517 | \$96.92 | 0994333 | \$159.44 |
| 1/4" | 8" | 0988518 | 137.91 | 0994334 | 236.09 |
| 1/4" | 12" | 0988519 | 211.43 | 0994335 | 345.02 |

| Thickness | Width | 1-1/2 | | 3 | |
|-----------|--------|----------|-----------|----------|-----------|
| | | Part No. | Price /Ea | Part No. | Price /Ea |
| 5/16" | 1/2" | 0988520 | \$19.39 | 0994336 | \$33.32 |
| 5/16" | 3/4" | 0988521 | 23.61 | 0994337 | 40.15 |
| 5/16" | 1" | 0988522 | 27.84 | 0994338 | 46.97 |
| 5/16" | 1-1/2" | 0988523 | 35.95 | 0994339 | 60.02 |
| 5/16" | 2" | 0988524 | 44.38 | 0994340 | 73.62 |
| 5/16" | 3" | 0988525 | 61.26 | 0994341 | 100.87 |
| 5/16" | 4" | 0988526 | 78.12 | 0994342 | 128.11 |
| 5/16" | 6" | 0988527 | 111.91 | 0994343 | 182.61 |
| 5/16" | 8" | 0988528 | 166.15 | 0994344 | 269.67 |
| 3/8" | 3/8" | 0988529 | 30.41 | 0994345 | 52.71 |
| 3/8" | 1/2" | 0988530 | 23.64 | 0994346 | 40.72 |
| 3/8" | 3/4" | 0988531 | 28.79 | 0994347 | 49.01 |
| 3/8" | 1" | 0988532 | 33.89 | 0994348 | 57.24 |
| 3/8" | 1-1/2" | 0988533 | 43.69 | 0994349 | 72.96 |
| 3/8" | 2" | 0988534 | 53.92 | 0994350 | 89.50 |
| 3/8" | 3" | 0988535 | 74.33 | 0994351 | 122.54 |
| 3/8" | 4" | 0988536 | 94.78 | 0994352 | 155.59 |
| 3/8" | 6" | 0988537 | 135.63 | 0994353 | 221.60 |
| 3/8" | 8" | 0988538 | 196.32 | 0994354 | 318.31 |
| 3/8" | 12" | 0988539 | 294.22 | 0994355 | 477.06 |
| 1/2" | 1/2" | 0988540 | 26.48 | 0994356 | 49.39 |
| 1/2" | 3/4" | 0988541 | 32.06 | 0994357 | 59.12 |
| 1/2" | 1" | 0988542 | 37.69 | 0994358 | 68.89 |
| 1/2" | 1-1/2" | 0988543 | 48.62 | 0994359 | 87.86 |
| 1/2" | 2" | 0988544 | 59.39 | 0994360 | 107.38 |
| 1/2" | 2-1/2" | 0988545 | 71.05 | 0994361 | 126.90 |
| 1/2" | 3" | 0988546 | 82.24 | 0994362 | 146.41 |
| 1/2" | 3-1/2" | 0988547 | 93.45 | 0994363 | 165.93 |
| 1/2" | 4" | 0988548 | 104.70 | 0994364 | 185.47 |
| 1/2" | 6" | 0988549 | 150.13 | 0994365 | 264.74 |
| 1/2" | 8" | 0988550 | 222.13 | 0994366 | 389.91 |
| 1/2" | 12" | 0988551 | 316.21 | 0994367 | 551.70 |
| 5/8" | 3/4" | 0988552 | 39.71 | 0994368 | 72.36 |
| 5/8" | 1" | 0988553 | 46.33 | 0994369 | 84.31 |
| 5/8" | 1-1/2" | 0988554 | 59.25 | 0994370 | 106.43 |
| 5/8" | 2" | 0988555 | 72.58 | 0994371 | 129.28 |
| 5/8" | 3" | 0988556 | 99.14 | 0994372 | 175.01 |
| 5/8" | 4" | 0988557 | 125.79 | 0994373 | 220.80 |
| 5/8" | 6" | 0988558 | 178.55 | 0994374 | 313.46 |
| 5/8" | 8" | 0988559 | 259.56 | 0994375 | 451.61 |
| 3/4" | 3/4" | 0988560 | 45.85 | 0994376 | 83.94 |
| 3/4" | 1" | 0988561 | 53.37 | 0994377 | 96.95 |
| 3/4" | 1-1/2" | 0988562 | 67.90 | 0994378 | 121.36 |
| 3/4" | 2" | 0988563 | 82.97 | 0994379 | 147.08 |
| 3/4" | 3" | 0988564 | 111.68 | 0994380 | 195.78 |
| 3/4" | 4" | 0988565 | 143.06 | 0994381 | 249.65 |
| 3/4" | 6" | 0988566 | 203.83 | 0994382 | 353.43 |
| 1" | 1" | 0988567 | 66.76 | 0994383 | 123.38 |
| 1" | 1-1/2" | 0988568 | 84.43 | 0994384 | 153.74 |
| 1" | 2" | 0988569 | 102.84 | 0994385 | 185.51 |
| 1" | 3" | 0988570 | 139.57 | 0994386 | 248.94 |
| 1" | 4" | 0988571 | 176.32 | 0994387 | 312.43 |
| 1" | 6" | 0988572 | 249.62 | 0994388 | 440.59 |

Grade C1018 Low-Carbon Precision Ground Flat Stock

Material is supplied annealed. Rockwell hardness is 61-62 B scale. Thickness tolerance is +/- .001". Width tolerance is +0.005". Length tolerance is +/-1/4". Sold in 2' lengths.

| Thickness | Width | 2 | |
|-----------|--------|----------|-----------|
| | | Part No. | Price /Ea |
| 1/16" | 1/2" | 0987747 | \$7.56 |
| 1/16" | 3/4" | 0987748 | 9.15 |
| 1/16" | 1" | 0987749 | 10.89 |
| 1/16" | 1-1/4" | 0987750 | 12.60 |
| 1/16" | 1-1/2" | 0987751 | 14.25 |
| 1/16" | 2" | 0987752 | 18.25 |
| 1/16" | 2-1/2" | 0987753 | 22.29 |
| 1/16" | 3" | 0987754 | 25.53 |
| 1/16" | 3-1/2" | 0987755 | 29.08 |
| 1/16" | 4" | 0987756 | 32.53 |
| 1/16" | 5" | 0987757 | 39.28 |
| 3/32" | 1/2" | 0987758 | 9.40 |
| 3/32" | 3/4" | 0987759 | 11.52 |
| 3/32" | 1" | 0987760 | 13.53 |
| 3/32" | 1-1/4" | 0987761 | 15.27 |
| 3/32" | 1-1/2" | 0987762 | 17.35 |
| 3/32" | 2" | 0987763 | 21.50 |
| 3/32" | 3" | 0987764 | 29.58 |
| 3/32" | 4" | 0987765 | 37.35 |
| 1/16" | 1/2" | 0987747 | 7.56 |
| 1/16" | 3/4" | 0987748 | 9.15 |
| 1/16" | 1" | 0987749 | 10.89 |
| 1/16" | 1-1/4" | 0987750 | 12.60 |
| 1/16" | 1-1/2" | 0987751 | 14.25 |
| 1/16" | 2" | 0987752 | 18.35 |
| 1/16" | 2-1/2" | 0987753 | 22.29 |
| 1/16" | 3" | 0987754 | 25.53 |
| 1/16" | 3-1/2" | 0987755 | 29.08 |
| 1/16" | 4" | 0987756 | 32.53 |
| 1/16" | 5" | 0987757 | 39.28 |
| 3/32" | 1/2" | 0987758 | 9.40 |
| 3/32" | 3/4" | 0987759 | 11.52 |
| 3/32" | 1" | 0987760 | 13.53 |
| 3/32" | 1-1/4" | 0987761 | 15.27 |
| 3/32" | 1-1/2" | 0987762 | 17.35 |
| 3/32" | 2" | 0987763 | 21.50 |
| 3/32" | 3" | 0987764 | 29.58 |
| 3/32" | 4" | 0987765 | 37.35 |
| 1/8" | 1/2" | 0987766 | 9.07 |
| 1/8" | 3/4" | 0987767 | 10.87 |
| 1/8" | 1" | 0987768 | 12.73 |
| 1/8" | 1-1/4" | 0987769 | 14.11 |
| 1/8" | 1-1/2" | 0987770 | 16.83 |
| 1/8" | 2" | 0987771 | 19.50 |
| 1/8" | 2-1/2" | 0987772 | 23.07 |
| 1/8" | 3" | 0987773 | 26.10 |
| 1/8" | 3-1/2" | 0987774 | 29.70 |
| 1/8" | 4" | 0987775 | 32.49 |
| 1/8" | 5" | 0987776 | 39.44 |
| 5/32" | 1/2" | 0987777 | 11.18 |
| 5/32" | 3/4" | 0987778 | 12.83 |
| 5/32" | 1" | 0987779 | 14.96 |
| 5/32" | 1-1/2" | 0987780 | 17.87 |
| 5/32" | 2" | 0987781 | 21.65 |
| 5/32" | 3" | 0987782 | 28.84 |
| 5/32" | 4" | 0987783 | 36.71 |
| 3/16" | 1/2" | 0987784 | 15.74 |
| 3/16" | 3/4" | 0987785 | 17.84 |
| 3/16" | 1" | 0987786 | 21.19 |
| 3/16" | 1-1/4" | 0987787 | 22.89 |
| 3/16" | 1-1/2" | 0987788 | 25.70 |
| 3/16" | 2" | 0987789 | 31.22 |
| 3/16" | 2-1/2" | 0987790 | 37.19 |
| 3/16" | 3" | 0987791 | 41.67 |
| 3/16" | 3-1/2" | 0987792 | 47.90 |
| 3/16" | 4" | 0987793 | 53.70 |
| 3/16" | 5" | 0987794 | 65.01 |
| 1/4" | 1/2" | 0987795 | 15.24 |
| 1/4" | 3/4" | 0987796 | 17.34 |

GROUND FLAT STOCK

GROUND FLAT STOCK, CARBIDE BLANKS

Ground Flat Stock Cont.

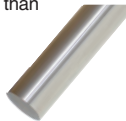
| Thickness | Width | Part No. | Price /Ea |
|-----------|--------|----------|-----------|
| 1/4" | 1" | 0987797 | \$20.31 |
| 1/4" | 1-1/4" | 0987798 | 23.21 |
| 1/4" | 1-1/2" | 0987799 | 25.20 |
| 1/4" | 2" | 0987800 | 30.53 |
| 1/4" | 2-1/2" | 0987801 | 36.06 |
| 1/4" | 3" | 0987802 | 41.32 |
| 1/4" | 3-1/2" | 0987803 | 46.13 |
| 1/4" | 4" | 0987804 | 51.88 |
| 1/4" | 5" | 0987805 | 61.76 |
| 5/16" | 1/2" | 0987806 | 17.97 |
| 5/16" | 1" | 0987807 | 24.03 |
| 5/16" | 2" | 0987808 | 34.75 |
| 5/16" | 3" | 0987809 | 46.03 |
| 5/16" | 4" | 0987810 | 58.09 |
| 3/8" | 1/2" | 0987811 | 20.42 |
| 3/8" | 3/4" | 0987812 | 22.53 |
| 3/8" | 1" | 0987813 | 26.50 |
| 3/8" | 1-1/4" | 0987814 | 29.06 |
| 3/8" | 1-1/2" | 0987815 | 31.46 |
| 3/8" | 2" | 0987816 | 37.33 |
| 3/8" | 2-1/2" | 0987817 | 44.73 |
| 3/8" | 3" | 0987818 | 47.98 |
| 3/8" | 4" | 0987819 | 60.93 |
| 3/8" | 5" | 0987820 | 74.87 |
| 1/2" | 3/4" | 0987821 | 27.11 |
| 1/2" | 1" | 0987822 | 31.36 |
| 1/2" | 1-1/2" | 0987823 | 38.24 |
| 1/2" | 2" | 0987824 | 44.25 |
| 1/2" | 2-1/2" | 0987825 | 50.98 |
| 1/2" | 3" | 0987826 | 57.03 |
| 1/2" | 4" | 0987827 | 70.75 |
| 1/2" | 5" | 0987828 | 85.15 |
| 5/8" | 5/8" | 0987829 | 28.75 |
| 5/8" | 3/4" | 0987830 | 30.85 |
| 5/8" | 1" | 0987831 | 35.34 |
| 5/8" | 1-1/2" | 0987832 | 43.92 |
| 5/8" | 2" | 0987833 | 51.58 |
| 5/8" | 2-1/2" | 0987834 | 58.24 |
| 5/8" | 3" | 0987835 | 66.12 |
| 5/8" | 3-1/2" | 0987836 | 72.80 |
| 5/8" | 4" | 0987837 | 80.22 |
| 3/4" | 3/4" | 0987838 | 33.87 |
| 3/4" | 1" | 0987839 | 41.98 |
| 3/4" | 1-1/2" | 0987840 | 50.20 |
| 3/4" | 2" | 0987841 | 58.49 |
| 3/4" | 2-1/2" | 0987842 | 66.51 |
| 3/4" | 3" | 0987843 | 75.35 |
| 3/4" | 4" | 0987844 | 91.29 |
| 3/4" | 5" | 0987845 | 107.77 |
| 1" | 1" | 0987846 | 50.45 |
| 1" | 1-1/2" | 0987847 | 62.00 |
| 1" | 2" | 0987848 | 71.84 |
| 1" | 2-1/2" | 0987849 | 80.82 |
| 1" | 3" | 0987850 | 89.79 |
| 1" | 4" | 0987851 | 107.65 |
| 1" | 5" | 0987852 | 129.77 |

Carbide Blanks



Centerless Ground Carbide Rounds

- Manufactured from Premium C-2 Carbide.
- Shock resistant, will not chip or break under normal machining conditions.
- High abrasion resistance.
- Widest applications with only one grade of carbide.
- Greater transverse rupture strength than high speed steel.
- Unexcelled in interrupted cuts.
- Longer tool life.
- Vastly increased feeds.
- Superior overall performance.
- Ground Diameter Tolerance: 0.000/-0.0005.



| Part No. | Shank Diameter | Overall Length | Price /Ea |
|----------|----------------|----------------|-----------|
| 0361442 | .025" | 1-1/2" | \$2.08 |
| 0361443 | 1/32" | 1-1/2" | 2.08 |
| 0361444 | .040" | 1-1/2" | 2.08 |
| 0361445 | 3/64" | 1-1/2" | 2.08 |
| 0361446 | 3/64" | 2" | 2.08 |
| 0361447 | 1/16" | 1-1/2" | 2.08 |
| 0361448 | 5/64" | 2" | 2.85 |
| 0361449 | 3/32" | 1-1/2" | 1.86 |
| 0361450 | 3/32" | 2" | 2.74 |
| 0361451 | 3/32" | 2-1/2" | 3.40 |
| 0361452 | 7/64" | 2-1/2" | 3.40 |
| 0361453 | 1/8" | 1-1/2" | 1.64 |
| 0361454 | 1/8" | 1-3/4" | 2.41 |
| 0361455 | 1/8" | 2" | 2.63 |
| 0361456 | 1/8" | 2-1/4" | 2.96 |
| 0361457 | 1/8" | 2-1/2" | 3.18 |
| 0361458 | 1/8" | 3" | 3.90 |
| 0361459 | 1/8" | 4" | 5.97 |
| 0361516 | 1/8" | 6" | 7.68 |
| 0361526 | 1/8" | 12" | 16.12 |
| 0361460 | 5/32" | 1-1/2" | 2.43 |
| 0361461 | 5/32" | 2" | 4.02 |
| 0361462 | 5/32" | 2-1/2" | 3.53 |
| 0361463 | 3/16" | 1-1/2" | 3.04 |
| 0361464 | 3/16" | 2" | 4.14 |
| 0361465 | 3/16" | 2-1/2" | 5.36 |
| 0361466 | 3/16" | 3" | 6.33 |
| 0361467 | 3/16" | 4" | 8.66 |
| 0361518 | 3/16" | 6" | 13.71 |
| 0361527 | 3/16" | 12" | 29.43 |
| 0361468 | 1/4" | 2" | 5.48 |
| 0361469 | 1/4" | 2-1/2" | 6.09 |
| 0361470 | 1/4" | 3" | 7.97 |
| 0361471 | 1/4" | 4" | 10.97 |
| 0361520 | 1/4" | 6" | 17.37 |
| 0361528 | 1/4" | 12" | 37.50 |
| 0361472 | 5/16" | 2" | 6.94 |
| 0361473 | 5/16" | 2-1/2" | 9.09 |
| 0361474 | 5/16" | 3" | 11.31 |
| 0361475 | 5/16" | 3-1/4" | 12.91 |
| 0361476 | 5/16" | 4" | 13.72 |
| 0361522 | 5/16" | 6" | 20.86 |
| 0361529 | 5/16" | 12" | 44.19 |
| 0361477 | 3/8" | 2" | 9.19 |
| 0361478 | 3/8" | 2-1/2" | 12.09 |
| 0361479 | 3/8" | 2-3/4" | 13.28 |
| 0361480 | 3/8" | 3" | 14.36 |
| 0361481 | 3/8" | 3-1/2" | 15.54 |
| 0361482 | 3/8" | 4" | 18.02 |
| 0361483 | 3/8" | 6" | 30.53 |
| 0361530 | 3/8" | 12" | 65.53 |
| 0361485 | 7/16" | 2-1/2" | 14.77 |
| 0361486 | 7/16" | 2-3/4" | 16.25 |
| 0361487 | 7/16" | 3" | 17.72 |
| 0361488 | 7/16" | 4" | 23.63 |
| 0361489 | 7/16" | 6" | 35.45 |
| 0361531 | 7/16" | 12" | 87.33 |
| 0361490 | 1/2" | 2" | 15.43 |
| 0361491 | 1/2" | 2-1/2" | 19.29 |
| 0361492 | 1/2" | 3" | 23.15 |
| 0361493 | 1/2" | 3-1/2" | 27.01 |
| 0361494 | 1/2" | 4" | 30.86 |
| 0361495 | 1/2" | 6" | 46.30 |
| 0361532 | 1/2" | 12" | 111.11 |
| 0361497 | 9/16" | 3-1/2" | 34.18 |
| 0361533 | 9/16" | 12" | 140.63 |
| 0361498 | 5/8" | 3" | 37.26 |
| 0361499 | 5/8" | 3-1/2" | 42.20 |
| 0361500 | 5/8" | 4" | 48.23 |
| 0361501 | 5/8" | 5" | 60.29 |
| 0361502 | 5/8" | 6" | 72.35 |
| 0361534 | 5/8" | 12" | 210.07 |
| 0361504 | 11/16" | 4" | 49.15 |
| 0361505 | 3/4" | 3-1/2" | 60.17 |
| 0361506 | 3/4" | 4" | 69.44 |
| 0361507 | 3/4" | 5" | 86.81 |
| 0361508 | 3/4" | 6" | 104.17 |
| 0361510 | 3/4" | 7" | 121.53 |
| 0361535 | 3/4" | 12" | 250.00 |
| 0361511 | 7/8" | 4" | 94.53 |
| 0361524 | 7/8" | 6" | 141.78 |
| 0361536 | 7/8" | 12" | 340.28 |
| 0361512 | 1" | 4" | 123.46 |
| 0361513 | 1" | 5" | 154.33 |
| 0361514 | 1" | 6" | 185.19 |
| 0361537 | 1" | 12" | 444.45 |

STB & STB - "L" Blanks

Standard C-2 Grade

Solid Carbide Rectangular Strips are widely used as wear parts, tools, grinder rests & appliances.

Tolerance: 1/16" or less +/-008"

1/16" or more Thickness: +/-0.015" up to .023"

Width: +/-0.015" up to .045"

Length: +/-0.010" up to .082"



| Part No. | STB Desc. | Thickness | Width | Length | Price /Ea |
|----------|-----------|-----------|--------|--------|-----------|
| 0358948 | STB-12 | 1/32" | 1/16" | 1" | \$1.03 |
| 0358950 | STB-12A | 1/32" | 1/16" | 1-1/2" | 1.12 |
| 0358951 | STB-13 | 3/64" | 3/32" | 13/16" | 1.34 |
| 0358967 | STB-13A | 3/64" | 3/32" | 1" | 1.47 |
| 0358968 | STB-22L | 1/16" | 1/16" | 6" | 6.75 |
| 0358991 | STB-24A | 1/16" | 1/8" | 1" | 1.38 |
| 0361539 | STB-24C | 1/16" | 1/8" | 1-1/4" | 1.69 |
| 0361540 | STB-24D | 1/16" | 1/8" | 1-1/2" | 1.70 |
| 0361538 | STB-24B | 1/16" | 1/8" | 3" | 2.68 |
| 0361541 | STB-24L | 1/16" | 1/8" | 6" | 4.93 |
| 0358994 | STB-26A | 1/16" | 3/16" | 1" | 1.43 |
| 0361542 | STB-26C | 1/16" | 3/16" | 3" | 2.19 |
| 0361543 | STB-26L | 1/16" | 3/16" | 6" | 6.43 |
| 0359047 | STB-28A | 1/16" | 1/4" | 1" | 1.76 |
| 0361564 | STB-28B | 1/16" | 1/4" | 1-1/4" | 2.14 |
| 0359054 | STB-28D | 1/16" | 1/4" | 3" | 5.07 |
| 0359063 | STB-28L | 1/16" | 1/4" | 6" | 10.14 |
| 0359064 | STB-210L | 1/16" | 5/16" | 6" | 14.13 |
| 0359086 | STB-212L | 1/16" | 3/8" | 6" | 16.36 |
| 0361567 | STB-216L | 1/16" | 1/2" | 6" | 20.26 |
| 0361568 | STB-220L | 1/16" | 5/8" | 6" | 32.79 |
| 0361569 | STB-224L | 1/16" | 3/4" | 6" | 36.18 |
| 0361570 | STB-232L | 1/16" | 1" | 6" | 38.97 |
| 0358985 | STB-14 | 5/64" | 1/8" | 1-1/8" | 1.86 |
| 0359090 | STB-34 | 3/32" | 1/8" | 5" | 3.63 |
| 0361571 | STB-34L | 3/32" | 1/8" | 8" | 6.44 |
| 0359073 | STB-36 | 3/32" | 3/16" | 1-1/8" | 1.65 |
| 0359092 | STB-36A | 3/32" | 3/16" | 1-1/4" | 1.64 |
| 0361572 | STB-36L | 3/32" | 3/16" | 8" | 9.65 |
| 0361545 | STB-38A | 3/32" | 1/4" | 1" | 1.46 |
| 0361546 | STB-38B | 3/32" | 1/4" | 1-1/2" | 2.17 |
| 0361544 | STB-38D | 3/32" | 1/4" | 5" | 7.63 |
| 0361547 | STB-38L | 3/32" | 1/4" | 8" | 11.64 |
| 0359078 | STB-310A | 3/32" | 5/16" | 2" | 3.17 |
| 0361565 | STB-310B | 3/32" | 5/16" | 3" | 4.75 |
| 0359085 | STB-310C | 3/32" | 5/16" | 5" | 8.72 |
| 0361566 | STB-310L | 3/32" | 5/16" | 8" | 12.94 |
| 0359097 | STB-312 | 3/32" | 3/8" | 5" | 10.45 |
| 0361574 | STB-312C | 3/32" | 3/8" | 6" | 12.95 |
| 0361573 | STB-312L | 3/32" | 3/8" | 8" | 15.32 |
| 0359110 | STB-316 | 3/32" | 1/2" | 6" | 16.85 |
| 0361575 | STB-316L | 3/32" | 1/2" | 8" | 20.42 |
| 0359138 | STB-320 | 3/32" | 5/8" | 6" | 21.91 |
| 0361576 | STB-320L | 3/32" | 5/8" | 8" | 24.37 |
| 0359114 | STB-324 | 3/32" | 3/4" | 6" | 23.18 |
| 0359133 | STB-332 | 3/32" | 1" | 6" | 30.64 |
| 0359137 | STB-340 | 3/32" | 1-1/4" | 6" | 39.24 |
| 0359141 | STB-348 | 3/32" | 1-1/2" | 6" | 47.09 |
| 0359163 | STB-44L | 1/8" | 1/8" | 12" | 10.72 |
| 0359181 | STB-46 | 1/8" | 3/16" | 6" | 8.35 |
| 0361585 | STB-46L | 1/8" | 3/16" | 12" | 13.25 |
| 0361551 | STB-48A | 1/8" | 1/4" | 1" | 1.70 |
| 0361552 | STB-48B | 1/8" | 1/4" | 1-1/4" | 2.15 |
| 0361553 | STB-48F | 1/8" | 1/4" | 1-1/2" | 2.46 |
| 0361554 | STB-48C | 1/8" | 1/4" | 2-1/4" | 3.70 |
| 0361555 | STB-48D | 1/8" | 1/4" | 3" | 5.79 |
| 0361556 | STB-48E | 1/8" | 1/4" | 6" | 10.91 |
| 0361557 | STB-48L | 1/8" | 1/4" | 12" | 23.39 |

Carbide Blanks Cont.



| Part No. | STB Desc. | Thickness | Width | Length | Price /Ea |
|----------|------------|-----------|--------|--------|-----------|
| 0361578 | STB-410A | 1/8" | 5/16" | 1-1/2" | \$2.94 |
| 0361579 | STB-410B | 1/8" | 5/16" | 3" | 5.99 |
| 0361577 | STB-410 | 1/8" | 5/16" | 6" | 13.45 |
| 0361580 | STB-410L | 1/8" | 5/16" | 12" | 30.64 |
| 0359158 | STB-412D | 1/8" | 3/8" | 1" | 2.79 |
| 0361581 | STB-412A | 1/8" | 3/8" | 2" | 5.18 |
| 0359157 | STB-412B | 1/8" | 3/8" | 3" | 7.30 |
| 0361582 | STB-412C | 1/8" | 3/8" | 6" | 15.52 |
| 0361583 | STB-412L | 1/8" | 3/8" | 12" | 33.43 |
| 0359179 | STB-416A | 1/8" | 1/2" | 1" | 3.29 |
| 0359187 | STB-416B | 1/8" | 1/2" | 1-1/2" | 5.11 |
| 0359183 | STB-416C | 1/8" | 1/2" | 3" | 9.86 |
| 0359172 | STB-416 | 1/8" | 1/2" | 6" | 20.78 |
| 0361584 | STB-416L | 1/8" | 1/2" | 12" | 44.58 |
| 0359203 | STB-420 | 1/8" | 5/8" | 6" | 25.50 |
| 0361586 | STB-420L | 1/8" | 5/8" | 12" | 55.72 |
| 0359222 | STB-424 | 1/8" | 3/4" | 6" | 31.18 |
| 0361587 | STB-424L | 1/8" | 3/4" | 12" | 66.87 |
| 0359038 | STB-432 | 1/8" | 1" | 6" | 40.82 |
| 0361558 | STB-432L | 1/8" | 1-1/8" | 12" | 89.15 |
| 0361602 | STB-440 | 1/8" | 1-1/4" | 6" | 58.60 |
| 0359909 | STB-448 | 1/8" | 1-1/2" | 6" | 68.36 |
| 0359908 | STB-456 | 1/8" | 1-3/4" | 6" | 95.47 |
| 0359907 | STB-516 | 5/32" | 1/2" | 6" | 26.31 |
| 0359906 | STB-524 | 5/32" | 3/4" | 6" | 35.82 |
| 0359905 | STB-532 | 5/32" | 1" | 6" | 48.69 |
| 0359904 | STB-540 | 5/32" | 1-1/4" | 6" | 60.87 |
| 0359903 | STB-548 | 5/32" | 1-1/2" | 6" | 99.62 |
| 0359044 | STB-68 | 3/16" | 1/4" | 6" | 14.14 |
| 0361562 | STB-68L | 3/16" | 1/4" | 12" | 30.62 |
| 0359267 | STB-610A | 3/16" | 5/16" | 3" | 9.19 |
| 0359268 | STB-610 | 3/16" | 5/16" | 6" | 19.14 |
| 0359269 | STB-610L | 3/16" | 5/16" | 12" | 38.27 |
| 0361588 | STB-612A | 3/16" | 3/8" | 3" | 10.51 |
| 0361589 | STB-612L | 3/16" | 3/8" | 12" | 45.93 |
| 0359227 | STB-12 | 3/16" | 3/8" | 6" | 22.23 |
| 0359249 | STB-616A | 3/16" | 1/2" | 3" | 15.31 |
| 0361590 | STB-616 | 3/16" | 1/2" | 6" | 30.62 |
| 0361591 | STB-616L | 3/16" | 1/2" | 12" | 66.87 |
| 0361560 | STB-620A | 3/16" | 5/8" | 3" | 17.69 |
| 0361559 | STB-620 | 3/16" | 5/8" | 6" | 36.53 |
| 0361561 | STB-620L | 3/16" | 5/8" | 12" | 83.59 |
| 0361549 | STB-624B | 3/16" | 3/4" | 2" | 15.70 |
| 0361548 | STB-624A | 3/16" | 3/4" | 4" | 30.62 |
| 0359014 | STB-624 | 3/16" | 3/4" | 6" | 43.21 |
| 0361550 | STB-624L | 3/16" | 3/4" | 12" | 100.30 |
| 0361593 | STB-632 | 3/16" | 1" | 6" | 58.45 |
| 0359265 | STB-632L | 3/16" | 1" | 12" | 133.74 |
| 0361592 | STB-640 | 3/16" | 1-1/4" | 6" | 85.79 |
| 0359258 | STB-640L | 3/16" | 1-1/4" | 12" | 167.17 |
| 0359902 | STB-648 | 3/16" | 1-1/2" | 6" | 99.34 |
| 0359401 | STB-88L | 1/4" | 1/4" | 12" | 44.58 |
| 0359323 | STB-812L | 1/4" | 3/8" | 3" | 15.30 |
| 0359321 | STB-812 | 1/4" | 3/8" | 6" | 30.62 |
| 0361594 | STB-812L | 1/4" | 3/8" | 12" | 66.86 |
| 0361596 | STB-816C | 1/4" | 1/2" | 2" | 12.58 |
| 0361595 | STB-816A | 1/4" | 1/2" | 3" | 18.86 |
| 0359329 | STB-816 | 1/4" | 1/2" | 6" | 37.73 |
| 0361597 | STB-816L | 1/4" | 1/2" | 12" | 89.16 |
| 0361599 | STB-820A | 1/4" | 5/8" | 3" | 23.58 |
| 0359336 | STB-820 | 1/4" | 5/8" | 6" | 47.15 |
| 0361598 | STB-820L | 1/4" | 5/8" | 12" | 111.45 |
| 0361600 | STB-824A | 1/4" | 3/4" | 3" | 28.29 |
| 0359363 | STB-824 | 1/4" | 3/4" | 6" | 56.58 |
| 0361601 | STB-824L | 1/4" | 3/4" | 12" | 138.03 |
| 0359385 | STB-832L | 1/4" | 1" | 12" | 178.31 |
| 0359389 | STB-840L | 1/4" | 1-1/4" | 12" | 250.36 |
| 0359390 | STB-1212L | 3/8" | 3/8" | 12" | 100.30 |
| 0359391 | STB-1216L | 3/8" | 1/2" | 12" | 121.58 |
| 0359392 | STB-1224L | 3/8" | 3/4" | 12" | 182.37 |
| 0359393 | STB-1232L | 3/8" | 1" | 12" | 243.16 |
| 0359395 | STB-1616L | 1/2" | 1/2" | 12" | 162.11 |
| 0359396 | STB-16124L | 1/2" | 3/4" | 12" | 243.16 |

Carbide Split Blanks

- Used for special engraving tools & special cutting tools
- Diameter Tolerance: +.000" - .0005"
- Finish Ground
- Split Tolerance: +.001" - .000" of the Tool Center
- Split Length in Proportion to Length of Tool



| Part No. | Shank Dia. | Overall Length | Split Length | Price /Ea |
|-------------------|------------|----------------|--------------|-----------|
| Single End | | | | |
| 0359984 | 1/8" | 1-1/2" | 3/8" | \$7.46 |
| 0359986 | 1/8" | 2" | 3/8" | 9.98 |
| 0359988 | 1/8" | 3" | 3/8" | 11.19 |
| 0359990 | 1/8" | 4" | 3/8" | 14.71 |
| 0359992 | 1/8" | 6" | 3/8" | 20.20 |
| 0359994 | 3/16" | 2" | 1/2" | 9.34 |
| 0359996 | 3/16" | 2-1/2" | 1/2" | 10.95 |
| 0359998 | 3/16" | 3" | 1/2" | 13.34 |
| 0360434 | 3/16" | 4" | 1/2" | 15.19 |
| 0360436 | 3/16" | 6" | 1/2" | 20.21 |
| 0360488 | 1/4" | 2" | 1/2" | 13.34 |
| 0360490 | 1/4" | 2-1/2" | 1/2" | 11.71 |
| 0360492 | 1/4" | 3" | 1/2" | 17.97 |
| 0360494 | 1/4" | 4" | 1/2" | 23.94 |
| 0360496 | 1/4" | 6" | 1/2" | 29.51 |
| 0360508 | 5/16" | 2-1/2" | 1/2" | 18.95 |
| 0360510 | 5/16" | 3" | 1/2" | 25.45 |
| 0360512 | 5/16" | 4" | 1/2" | 27.91 |
| 0360514 | 5/16" | 6" | 1/2" | 40.30 |
| 0360520 | 3/8" | 2-1/2" | 1/2" | 29.78 |
| 0360522 | 3/8" | 3" | 1/2" | 35.19 |
| 0360524 | 3/8" | 4" | 1/2" | 43.74 |
| 0360526 | 3/8" | 6" | 1/2" | 57.83 |
| 0360530 | 7/16" | 2-1/2" | 5/8" | 25.39 |
| 0360532 | 7/16" | 3" | 5/8" | 30.25 |
| 0360534 | 7/16" | 4" | 5/8" | 33.50 |
| 0360536 | 7/16" | 6" | 5/8" | 49.17 |
| 0360555 | 1/2" | 3" | 5/8" | 40.92 |
| 0360557 | 1/2" | 4" | 5/8" | 48.68 |
| 0360559 | 1/2" | 6" | 5/8" | 70.73 |
| Double End | | | | |
| 0359985 | 1/8" | 1-1/2" | 3/8" | \$8.95 |
| 0359987 | 1/8" | 2" | 3/8" | 12.88 |
| 0359989 | 1/8" | 3" | 3/8" | 13.97 |
| 0359991 | 1/8" | 4" | 3/8" | 18.98 |
| 0359993 | 1/8" | 6" | 3/8" | 26.07 |
| 0359995 | 3/16" | 2" | 1/2" | 11.05 |
| 0359997 | 3/16" | 2-1/2" | 1/2" | 13.09 |
| 0359999 | 3/16" | 3" | 1/2" | 15.95 |
| 0360435 | 3/16" | 4" | 1/2" | 18.16 |
| 0360437 | 3/16" | 6" | 1/2" | 24.16 |
| 0360489 | 1/4" | 2" | 1/2" | 15.70 |
| 0360491 | 1/4" | 2-1/2" | 1/2" | 16.25 |
| 0360493 | 1/4" | 3" | 1/2" | 21.47 |
| 0360495 | 1/4" | 4" | 1/2" | 28.61 |
| 0360497 | 1/4" | 6" | 1/2" | 35.27 |
| 0360509 | 5/16" | 2-1/2" | 1/2" | 22.59 |
| 0360511 | 5/16" | 3" | 1/2" | 30.41 |
| 0360513 | 5/16" | 4" | 1/2" | 33.35 |
| 0360515 | 5/16" | 6" | 1/2" | 48.16 |
| 0360521 | 3/8" | 2-1/2" | 1/2" | 35.59 |
| 0360523 | 3/8" | 3" | 1/2" | 42.06 |
| 0360525 | 3/8" | 4" | 1/2" | 52.27 |
| 0360527 | 3/8" | 6" | 1/2" | 69.12 |
| 0360531 | 7/16" | 2-1/2" | 5/8" | 29.87 |
| 0360533 | 7/16" | 3" | 5/8" | 36.15 |
| 0360535 | 7/16" | 4" | 5/8" | 40.04 |
| 0360537 | 7/16" | 6" | 5/8" | 58.76 |
| 0360556 | 1/2" | 3" | 5/8" | 48.82 |
| 0360558 | 1/2" | 4" | 5/8" | 58.18 |
| 0360560 | 1/2" | 6" | 5/8" | 84.53 |

Series 1000 & 2000 Blanks

Used for wear parts and tools.



| Part No. | Style 1000 | Thickness | Width | Length | Price /Ea |
|---------------------------|------------|-----------|-------|--------|-----------|
| Series 1000 Blanks | | | | | |
| 0359839 | 1010 | 1/16" | 1/8" | 1/16" | \$0.86 |
| 0359840 | 1020 | 1/16" | 3/16" | 1/4" | 0.79 |
| 0359841 | 1030 | 1/16" | 1/4" | 5/16" | 0.86 |
| 0359842 | 1040 | 3/32" | 1/4" | 3/8" | 0.89 |
| 0359843 | 1050 | 3/32" | 3/16" | 5/16" | 1.07 |
| 0361433 | 1060 | 3/32" | 3/16" | 1/2" | 1.07 |
| 0359844 | 1070 | 3/32" | 1/4" | 1/2" | 1.17 |
| 0359845 | 1080 | 3/32" | 5/16" | 3/8" | 1.06 |
| 0359846 | 1090 | 3/32" | 3/8" | 3/8" | 0.99 |
| 0359847 | 1100 | 3/32" | 3/8" | 1/2" | 1.26 |
| 0359848 | 1105 | 3/32" | 7/16" | 1/2" | 1.47 |
| 0359849 | 1110 | 1/8" | 3/16" | 3/4" | 1.23 |
| 0361434 | 1120 | 1/8" | 1/4" | 1/2" | 1.78 |
| 0359850 | 1130 | 1/8" | 1/4" | 1/16" | 1.36 |
| 0359851 | 1140 | 1/8" | 1/4" | 3/4" | 1.78 |
| 0361435 | 1150 | 1/8" | 5/16" | 7/16" | 1.19 |
| 0359852 | 1160 | 1/8" | 5/16" | 1/2" | 1.31 |
| 0359853 | 1170 | 1/8" | 5/16" | 1/16" | 1.67 |
| 0359854 | 1180 | 1/8" | 3/8" | 1/2" | 1.58 |
| 0359855 | 1190 | 1/8" | 3/8" | 3/4" | 2.30 |
| 0359856 | 1200 | 1/8" | 1/2" | 1/2" | 2.11 |
| 0359857 | 1210 | 1/8" | 1/2" | 3/4" | 3.06 |
| 0359858 | 1215 | 1/8" | 3/4" | 3/4" | 4.58 |
| 0359859 | 1220 | 5/32" | 3/8" | 9/16" | 2.66 |
| 0359860 | 1230 | 5/32" | 3/8" | 3/4" | 3.09 |
| 0359861 | 1240 | 5/32" | 5/8" | 5/8" | 4.13 |
| 0359862 | 1250 | 3/16" | 5/16" | 7/16" | 2.82 |
| 0361436 | 1260 | 3/16" | 5/16" | 5/8" | 3.31 |
| 0359863 | 1270 | 3/16" | 3/8" | 1/2" | 3.91 |
| 0361437 | 1280 | 3/16" | 3/8" | 1/16" | 3.38 |
| 0361438 | 1290 | 3/16" | 3/8" | 3/4" | 3.55 |
| 0359864 | 1300 | 3/16" | 7/16" | 1/16" | 3.22 |
| 0359865 | 1310 | 3/16" | 7/16" | 13/16" | 4.17 |
| 0359866 | 1320 | 3/16" | 1/2" | 1/2" | 2.95 |
| 0359867 | 1330 | 3/16" | 1/2" | 3/4" | 4.42 |
| 0359868 | 1340 | 3/16" | 3/4" | 3/4" | 6.59 |

| Part No. | Style 2000 | Thickness | Width | Length | Radius | Price /Ea |
|---------------------------|------------|-----------|-------|--------|--------|-----------|
| Series 2000 Blanks | | | | | | |
| 0361439 | 2010 | 1/16" | 1/8" | 5/8" | 1/8" | \$0.86 |
| 0361440 | 2020 | 1/16" | 3/16" | 1/4" | 1/8" | 0.79 |
| 0359869 | 2030 | 1/16" | 1/4" | 5/16" | 1/8" | 0.86 |
| 0359870 | 2040 | 3/32" | 3/16" | 5/16" | 1/8" | 0.88 |
| 0359871 | 2050 | 3/32" | 3/16" | 1/2" | 1/8" | 1.07 |
| 0359872 | 2060 | 3/32" | 1/4" | 3/8" | 1/8" | 1.07 |
| 0359873 | 2070 | 3/32" | 1/4" | 1/2" | 1/8" | 1.17 |
| 0359874 | 2080 | 3/32" | 5/16" | 3/8" | 3/16" | 1.06 |
| 0359875 | 2090 | 3/32" | 3/8" | 3/8" | 3/16" | 0.99 |
| 0359876 | 2100 | 3/32" | 3/8" | 1/2" | 3/16" | 1.26 |
| 0359877 | 2105 | 3/32" | 7/16" | 1/2" | 1/4" | 1.47 |
| 0359878 | 2110 | 1/8" | 3/16" | 3/4" | 1/8" | 1.23 |
| 0359879 | 2120 | 1/8" | 1/4" | 1/2" | 1/8" | 1.08 |
| 0359880 | 2130 | 1/8" | 1/4" | 5/8" | 1/8" | 1.36 |
| 0359881 | 2140 | 1/8" | 1/4" | 3/4" | 1/8" | 1.58 |
| 0359882 | 2150 | 1/8" | 5/16" | 7/16" | 3/16" | 1.32 |
| 0359883 | 2160 | 1/8" | 5/16" | 1/2" | 3/16" | 1.31 |
| 0359884 | 2170 | 1/8" | 5/16" | 5/8" | 3/16" | 1.67 |
| 0359885 | 2180 | 1/8" | 3/8" | 1/2" | 3/16" | 1.58 |
| 0361441 | 2190 | 1/8" | 3/8" | 3/4" | 3/16" | 2.30 |
| 0359886 | 2200 | 1/8" | 1/2" | 1/2" | 1/4" | 2.11 |
| 0359887 | 2210 | 1/8" | 1/2" | 3/4" | 1/4" | 3.06 |
| 0359888 | 2215 | 1/8" | 3/4" | 3/4" | 1/4" | 4.58 |
| 0359889 | 2220 | 5/32" | 3/8" | 9/16" | 3/16" | 2.66 |
| 0359890 | | | | | | |

BALLS, FOILS

Balls

Standard Size Metal Balls Up to and including 1" Diameter

Chrome Steel - Grade 25
 302 SS - Grade 100
 316 SS - Grade 100
 260 Brass - Grade 200
 1010 Steel - Grade 1000
 440C SS - Grade 25 Passivated, 1" is Grade 200



BALLS & FOILS

| Diameter | Chrome Steel | | | 302 SS | | | 316 SS | | | 260 Brass | | | 1010 Steel | | | 440C SS | | | Diameter |
|----------|--------------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|----------|-----------|-----------|----------|
| | Part No. | Pkg. Qty. | Price /Ea | Part No. | Pkg. Qty. | Price /Ea | Part No. | Pkg. Qty. | Price /Ea | Part No. | Pkg. Qty. | Price /Ea | Part No. | Pkg. Qty. | Price /Ea | Part No. | Pkg. Qty. | Price /Ea | |
| 1/16" | 0987673 | 100 | \$0.05 | 0993251 | 100 | \$0.02 | | | | 0986599 | 100 | \$0.09 | | | | 0952151 | 100 | \$0.02 | 1/16" |
| 3/32" | 0987675 | 100 | 0.04 | 0993252 | 100 | 0.02 | | | | 0986600 | 100 | 0.09 | | | | 0952152 | 100 | 0.01 | 3/32" |
| 1/8" | 0987676 | 100 | 0.02 | 0993253 | 100 | 0.01 | 0993265 | 100 | \$0.02 | 0986601 | 100 | 0.04 | 0987154 | 500 | \$<.01 | 0952153 | 100 | 0.02 | 1/8" |
| 5/32" | 0987678 | 100 | 0.03 | 0993254 | 100 | 0.02 | 0993266 | 100 | 0.02 | 0986602 | 100 | 0.03 | | | | 0952154 | 100 | 0.02 | 5/32" |
| 11/64" | 0987679 | 100 | 0.05 | | | | | | | | | | | | | | | | 11/64" |
| 3/16" | 0987680 | 100 | 0.03 | 0993255 | 100 | 0.03 | 0993267 | 100 | 0.04 | 0986603 | 100 | 0.04 | 0987155 | 250 | <.01 | 0952155 | 100 | 0.04 | 3/16" |
| 7/32" | 0987681 | 100 | 0.03 | 0993256 | 100 | 0.06 | 0993268 | 100 | 0.08 | 0986604 | 100 | 0.08 | | | | 0952156 | 100 | 0.07 | 7/32" |
| 1/4" | 0987682 | 100 | 0.04 | 0993257 | 100 | 0.07 | 0993269 | 100 | 0.09 | 0986605 | 100 | 0.05 | 0987156 | 250 | <.01 | 0952157 | 100 | 0.09 | 1/4" |
| 17/64" | 0987683 | 100 | 0.07 | | | | | | | | | | | | | 0952158 | 100 | 0.13 | 17/64" |
| 9/32" | 0987684 | 100 | 0.05 | | | | | | | | | | | | | 0952159 | 100 | 0.14 | 9/32" |
| 5/16" | 0987685 | 100 | 0.05 | 0993258 | 50 | 0.18 | 0993270 | 50 | 0.20 | 0986606 | 50 | 0.11 | 0987157 | 250 | 0.01 | 0952160 | 50 | 0.17 | 5/16" |
| 11/32" | 0987686 | 100 | 0.08 | | | | | | | 0986607 | 50 | 0.25 | | | | 0952161 | 50 | 0.23 | 11/32" |
| 3/8" | 0987687 | 100 | 0.09 | 0993259 | 25 | 0.33 | | | | 0986608 | 50 | 0.20 | 0987158 | 250 | 0.01 | 0952162 | 25 | 0.27 | 3/8" |
| 13/32" | 0987688 | 100 | 0.11 | | | | | | | | | | | | | | | | 13/32" |
| 7/16" | 0987689 | 100 | 0.11 | 0993260 | 25 | 0.43 | | | | 0986609 | 25 | 0.57 | 0987159 | 100 | 0.03 | 0952163 | 25 | 0.28 | 7/16" |
| 15/32" | 0987690 | 100 | 0.14 | | | | | | | | | | | | | | | | 15/32" |
| 1/2" | 0987691 | 100 | 0.15 | 0993261 | 15 | 0.61 | | | | 0986610 | 25 | 0.32 | 0987160 | 100 | 0.08 | 0952164 | 15 | 0.54 | 1/2" |
| 17/32" | 0987692 | 50 | 0.21 | | | | | | | | | | | | | | | | 17/32" |
| 9/16" | 0987693 | 50 | 0.22 | | | | | | | 0986611 | 20 | 0.69 | 0987161 | 100 | 0.12 | 0952165 | 15 | 0.63 | 9/16" |
| 19/32" | 0987694 | 50 | 0.26 | | | | | | | | | | | | | | | | 19/32" |
| 5/8" | 0987695 | 50 | 0.28 | 0993262 | 5 | 1.33 | | | | 0986612 | 15 | 0.91 | 0987162 | 100 | 0.15 | 0952166 | 5 | 1.19 | 5/8" |
| 21/32" | 0987696 | 50 | 0.32 | | | | | | | | | | | | | | | | 21/32" |
| 11/16" | 0987697 | 25 | 0.36 | | | | | | | | | | | | | | | | 11/16" |
| 23/32" | 0987698 | 25 | 0.40 | | | | | | | | | | | | | | | | 23/32" |
| 3/4" | 0987699 | 25 | 0.45 | 0993263 | 5 | 2.43 | | | | 0986613 | 5 | 1.70 | 0987163 | 50 | 0.32 | 0952167 | 5 | 1.87 | 3/4" |
| 25/32" | 0987700 | 25 | 0.55 | | | | | | | | | | | | | | | | 25/32" |
| 13/16" | 0987701 | 20 | 0.60 | | | | | | | | | | | | | 0952168 | 5 | 2.67 | 13/16" |
| 7/8" | 0987702 | 20 | 0.70 | | | | | | | | | | | | | 0952169 | 5 | 2.61 | 7/8" |
| 15/16" | 0987703 | 15 | 1.07 | | | | | | | | | | | | | 0952170 | 5 | 3.89 | 15/16" |
| 1" | 0987704 | 10 | 1.27 | 0993264 | 1 | 6.43 | | | | | | | 0987164 | 25 | 0.66 | 0952171 | 1 | 3.71 | 1" |

Balls Cont.

Standard Size Metal Balls Over 1" Diameter

Up to 1-7/16" Diameter - Grade 25
 Over 1-7/16" Diameter - Grade 50

| Diameter | Part No. | Material | Pkg. Qty. | Price /Ea |
|----------|----------|--------------|-----------|-----------|
| 1-1/16" | 0987705 | Chrome Steel | 5 | \$1.46 |
| 1-1/8" | 0987706 | Chrome Steel | 5 | 2.31 |
| 1-3/16" | 0987707 | Chrome Steel | 5 | 2.58 |
| 1-1/4" | 0987708 | Chrome Steel | 5 | 2.63 |
| 1-5/16" | 0987709 | Chrome Steel | 4 | 3.75 |
| 1-3/8" | 0987710 | Chrome Steel | 3 | 4.45 |
| 1-7/16" | 0987711 | Chrome Steel | 2 | 5.09 |
| 1-1/2" | 0987712 | Chrome Steel | 3 | 5.63 |
| 1-5/8" | 0987713 | Chrome Steel | 1 | 7.40 |
| 1-3/4" | 0987714 | Chrome Steel | 1 | 8.04 |
| 1-7/8" | 0987715 | Chrome Steel | 1 | 13.13 |
| 2" | 0987716 | Chrome Steel | 1 | 13.93 |
| 2-1/8" | 0987717 | Chrome Steel | 1 | 26.68 |
| 2-1/4" | 0987718 | Chrome Steel | 1 | 29.46 |
| 2-3/8" | 0987719 | Chrome Steel | 1 | 32.14 |
| 2-1/2" | 0987720 | Chrome Steel | 1 | 42.85 |
| 2-5/8" | 0987721 | Chrome Steel | 1 | 50.89 |
| 2-3/4" | 0987722 | Chrome Steel | 1 | 64.28 |
| 3" | 0987723 | Chrome Steel | 1 | 88.38 |

Metric Size Metal Balls Chrome Steel, Grade 25

| Diameter | Part No. | Pkg. Qty. | Price /Ea |
|----------|----------|-----------|-----------|
| 1 mm | 0987724 | 100 | \$0.05 |
| 1.5 mm | 0987725 | 100 | 0.06 |
| 2 mm | 0987726 | 100 | 0.07 |
| 2.5 mm | 0987727 | 100 | 0.08 |
| 3 mm | 0987728 | 100 | 0.07 |
| 3.5 mm | 0987729 | 100 | 0.08 |
| 4 mm | 0987730 | 100 | 0.05 |
| 4.5 mm | 0987731 | 50 | 0.13 |
| 5 mm | 0987732 | 100 | 0.05 |
| 5.5 mm | 0987733 | 50 | 0.07 |
| 6 mm | 0987734 | 50 | 0.08 |
| 6.5 mm | 0987735 | 50 | 0.09 |
| 7 mm | 0987736 | 50 | 0.10 |
| 8 mm | 0987737 | 25 | 0.04 |
| 9 mm | 0987738 | 20 | 0.10 |
| 10 mm | 0987739 | 20 | 0.11 |
| 12 mm | 0987740 | 10 | 0.16 |
| 13 mm | 0987741 | 5 | 0.20 |
| 14 mm | 0987742 | 5 | 0.25 |
| 15 mm | 0987743 | 5 | 0.31 |
| 16 mm | 0987744 | 5 | 0.43 |
| 18 mm | 0987745 | 3 | 0.58 |
| 24 mm | 0987746 | 3 | 1.39 |

Foils

Soft-Temper Aluminum Foil

Use this foil to wrap, cover, mask, and patch.

| Part No. | Thickness | Width | Roll Size | Price /Ea |
|----------|-----------|-------|-----------|-----------|
| 0991761 | 0.001" | 12" | 500 ft. | \$71.44 |
| 0991762 | 0.001" | 18" | 500 ft. | 95.63 |
| 0991763 | 0.001" | 18" | 1000 ft. | 173.25 |
| 0991764 | 0.0015" | 6" | 500 ft. | 46.88 |
| 0991765 | 0.0015" | 8" | 500 ft. | 60.00 |
| 0991766 | 0.002" | 18" | 500 ft. | 166.50 |
| 0991767 | 0.003" | 36" | 100 ft. | 144.56 |
| 0991768 | 0.003" | 48" | 100 ft. | 160.88 |
| 0991769 | 0.005" | 36" | 100 ft. | 193.50 |
| 0991770 | 0.005" | 48" | 100 ft. | 213.60 |

FOILS, WIRE INFORMATION, STEEL & LEAD WIRE

Foils Cont.

Stainless Steel Foil

This heavy duty, .003 thick foil is soft temper and forms an airtight wrap for fast scale-free heat treating. For best results, parts must be dry and oil free. Thickness tolerance is +/- .0002.

| Material | Width | Max. Temp. | 50' Roll | | 100' Roll | |
|----------|-------|------------|----------|----------|-----------|----------|
| | | | Part No. | Price/Ea | Part No. | Price/Ea |
| 321 SS | 12" | 1800°F | 0993323 | \$115.88 | 0994944 | \$206.44 |
| 321 SS | 24" | 1800°F | 0993324 | 244.13 | 0994945 | 407.25 |
| 304 SS | 12" | 1800°F | 0993325 | 100.69 | 0994946 | 189.00 |
| 304 SS | 24" | 1800°F | 0993326 | 219.38 | 0994947 | 357.75 |
| 309 SS | 24" | 2240°F | 0993327 | 460.11 | 0994948 | 434.91 |

Brass Foils

Made from half-hard 260 Brass and used in forming and stamping operations. Corrosion resistant and conforms to ASTM B36 specifications.

| Part No. | Thickness | Width | Length | Price /Ea |
|----------|-----------|-------|--------|-----------|
| 0989707 | 0.005" | 1/2" | 230' | \$150.19 |
| 0989708 | 0.006" | 1/2" | 220' | 133.88 |
| 0989718 | 0.005" | 1" | 120' | 147.38 |
| 0989719 | 0.006" | 1" | 110' | 129.38 |
| 0989729 | 0.005" | 2" | 65' | 147.38 |
| 0989730 | 0.006" | 2" | 60' | 129.38 |

Wire Information

Wire gauges are stated in one of two systems. The American Wire Gauge/Brown and Sharpe (AWG/B&S) is used for all non-ferrous metals, including copper, aluminum, brass, bronze, nickel, silver, titanium and lead. The Washburn & Moen (W&M) system is used for all black and galvanized carbon steel wire, not including music wire. Stainless Steel and Music wire do not use a gauge system. It is advisable to state the thickness in thousandths of an inch when ordering as a number of different gauges are in use.

Steel Wire

Soft-Temper Carbon Steel Wire Black

This easy-to-form wire is offered in all-purpose black and corrosion-resistant galvanized finishes. Supplied in 1/4lb, 1lb and 5lb coils. Uses W&M Gauge.

| Dia. | Gauge | Part No. | 1/4 Lb Length | Price /Coil | Part No. | 1 Lb Length | Price /Coil | Part No. | 5 Lb Length | Price /Coil |
|-------|-------|----------|---------------|-------------|----------|-------------|-------------|----------|-------------|-------------|
| .014" | 30 | 0991331 | 478.25' | \$3.29 | 0991341 | 1913' | \$9.41 | 0991351 | 9565' | \$34.42 |
| .016" | 28 | 0991332 | 357.25' | 3.12 | 0991342 | 1429' | 8.93 | 0991352 | 7145' | 32.60 |
| .018" | 26 | 0991333 | 286' | 2.98 | 0991343 | 1144' | 8.67 | 0991353 | 5720' | 30.27 |
| .023" | 24 | 0991334 | 177' | 2.76 | 0991344 | 708' | 8.02 | 0991354 | 3540' | 29.26 |
| .029" | 22 | 0991335 | 114.5' | 2.52 | 0991345 | 458' | 7.42 | 0991355 | 2290' | 26.93 |
| .035" | 20 | 0991336 | 77.25' | 2.40 | 0991346 | 309' | 7.16 | 0991356 | 1545' | 23.60 |
| .041" | 19 | 0991337 | 55.75' | 2.36 | 0991347 | 223' | 6.70 | 0991357 | 1115' | 23.36 |
| .048" | 18 | 0991338 | 41.5' | 2.36 | 0991348 | 166' | 6.70 | 0991358 | 830' | 22.80 |
| .063" | 16 | 0991339 | 24' | 2.09 | 0991349 | 96' | 6.41 | 0991359 | 480' | 22.35 |
| .080" | 14 | 0991340 | 14.5' | 2.07 | 0991350 | 58' | 6.10 | 0991360 | 290' | 21.53 |

Spring-Temper Carbon Steel Wire

Also known as music or piano wire, this rigid wire is ideal for making springs. Supplied in 1/4lb, 1lb and 5lb coils. Conforms to ASTM A228.

| Dia. | Part No. | 1/4 Lb Length | Price /Coil | Part No. | 1 Lb Length | Price /Coil | Part No. | 5 Lb Length | Price /Coil |
|-------|----------|---------------|-------------|----------|-------------|-------------|----------|-------------|-------------|
| .009" | 0991184 | 1157.25' | \$11.83 | 0991223 | 4629' | \$44.74 | 0991262 | 69435' | \$206.91 |
| .010" | 0991185 | 937.25' | 9.62 | 0991224 | 3749' | 41.75 | 0991263 | 56235' | 166.46 |
| .011" | 0991186 | 734' | 8.37 | 0991225 | 2936' | 41.45 | 0991264 | 44040' | 153.71 |
| .012" | 0991187 | 651' | 7.59 | 0991226 | 2604' | 28.89 | 0991265 | 39060' | 132.02 |
| .013" | 0991188 | 554.5' | 7.51 | 0991227 | 2218' | 26.68 | 0991266 | 33270' | 122.69 |
| .014" | 0991189 | 478.25' | 6.19 | 0991228 | 1913' | 23.52 | 0991267 | 28695' | 107.46 |
| .016" | 0991190 | 366.25' | 5.16 | 0991229 | 1465' | 19.74 | 0991268 | 21975' | 90.81 |
| .018" | 0991191 | 289.25' | 4.70 | 0991230 | 1157' | 17.61 | 0991269 | 17355' | 81.08 |
| .020" | 0991192 | 234.25' | 4.03 | 0991231 | 937' | 15.53 | 0991270 | 14055' | 71.47 |
| .022" | 0991193 | 193.75' | 3.92 | 0991232 | 775' | 13.56 | 0991271 | 11625' | 62.33 |
| .024" | 0991194 | 212.75' | 3.46 | 0991233 | 851' | 12.13 | 0991272 | 12765' | 55.87 |
| .026" | 0991195 | 140' | 3.30 | 0991234 | 560' | 9.27 | 0991273 | 8400' | 42.60 |
| .029" | 0991196 | 111.75' | 3.24 | 0991235 | 447' | 8.54 | 0991274 | 6705' | 39.29 |
| .031" | 0991197 | 97.75' | 3.19 | 0991236 | 391' | 8.13 | 0991275 | 5865' | 37.15 |
| .033" | 0991198 | 86' | 3.14 | 0991237 | 344' | 7.73 | 0991276 | 5160' | 35.49 |
| .035" | 0991199 | 76.25' | 3.06 | 0991238 | 305' | 7.43 | 0991277 | 4575' | 34.14 |
| .037" | 0991200 | 68.5' | 2.89 | 0991239 | 274' | 7.21 | 0991278 | 4110' | 32.34 |
| .039" | 0991201 | 61.75' | 2.87 | 0991240 | 247' | 7.02 | 0991279 | 3705' | 32.25 |
| .041" | 0991202 | 55.75' | 2.76 | 0991241 | 223' | 6.19 | 0991280 | 3345' | 28.50 |
| .043" | 0991203 | 50.75' | 2.70 | 0991242 | 203' | 6.13 | 0991281 | 3045' | 28.20 |
| .045" | 0991204 | 46.25' | 2.70 | 0991243 | 185' | 5.89 | 0991282 | 2775' | 27.19 |
| .047" | 0991205 | 42.5' | 2.70 | 0991244 | 170' | 5.86 | 0991283 | 2550' | 27.01 |
| .049" | 0991206 | 39' | 2.73 | 0991245 | 156' | 5.86 | 0991284 | 2340' | 26.91 |
| .051" | 0991207 | 36' | 2.70 | 0991246 | 144' | 5.59 | 0991285 | 2160' | 26.62 |
| .055" | 0991208 | 31' | 2.65 | 0991247 | 124' | 5.40 | 0991286 | 1860' | 26.48 |
| .059" | 0991209 | 27' | 2.62 | 0991248 | 108' | 5.27 | 0991287 | 1620' | 25.47 |
| .063" | 0991210 | 23.5' | 2.60 | 0991249 | 94' | 5.40 | 0991288 | 1410' | 25.07 |
| .067" | 0991211 | 20.75' | 2.52 | 0991250 | 83' | 5.43 | 0991289 | 1245' | 24.96 |
| .071" | 0991212 | 18.5' | 2.46 | 0991251 | 74' | 5.43 | 0991290 | 1110' | 24.87 |
| .075" | 0991213 | 17' | 2.41 | 0991252 | 68' | 5.40 | 0991291 | 1020' | 24.87 |
| .080" | 0991214 | 14.5' | 2.35 | 0991253 | 58' | 5.13 | 0991292 | 870' | 23.69 |
| .086" | 0991215 | 12.75' | 2.35 | 0991254 | 51' | 4.97 | 0991293 | 765' | 23.69 |
| .091" | 0991216 | 11.5' | 2.33 | 0991255 | 46' | 4.81 | 0991294 | 690' | 23.53 |
| .094" | 0991217 | 10.75' | 2.30 | 0991256 | 43' | 4.81 | 0991295 | 645' | 23.53 |
| .102" | 0991218 | 9' | 2.22 | 0991257 | 36' | 4.81 | 0991296 | 540' | 23.53 |
| .106" | 0991219 | 8.5' | 2.16 | 0991258 | 34' | 4.81 | 0991297 | 510' | 23.53 |
| .110" | 0991220 | 8' | 2.11 | 0991259 | 32' | 4.81 | 0991298 | 480' | 23.53 |
| .118" | 0991221 | 6.75' | 2.11 | 0991260 | 27' | 4.76 | 0991299 | 405' | 23.53 |
| .125" | 0991222 | 6' | 2.11 | 0991261 | 24' | 4.76 | 0991300 | 360' | 23.19 |

Stainless Steel Wire

Type 410 Stainless Steel Tie Wire

This stainless steel wire is soft tempered. Supplied in 1lb and 5lb coils.

| Dia. | Part No. | 1 Lb Length | Price /Coil | Part No. | 5 Lb Length | Price /Coil |
|-------|----------|-------------|-------------|----------|-------------|-------------|
| .032" | 0991140 | 362' | \$21.89 | 0991148 | 1810' | \$108.87 |
| .040" | 0991141 | 223' | 21.36 | 0991149 | 1115' | 106.18 |
| .051" | 0991142 | 150' | 20.79 | 0991150 | 750' | 103.32 |
| .064" | 0991143 | 90' | 17.36 | 0991151 | 450' | 86.16 |
| .080" | 0991144 | 59' | 17.19 | 0991152 | 295' | 85.30 |
| .105" | 0991145 | 34' | 16.78 | 0991153 | 170' | 82.88 |
| .128" | 0991146 | 21' | 16.49 | 0991154 | 105' | 81.89 |
| .162" | 0991147 | 14' | 16.25 | 0991155 | 70' | 80.60 |

Type 304 Stainless Steel Soft-Temper Wire

Supplied in 1/4lb coils, 1lb spools up to .051", and 1lb coils .081" and over. Conforms to ASTM A580.

| Dia. | Part No. | 1/4 Lb Length | Price /Coil | Part No. | 1 Lb Length | Price /Coil |
|-------|----------|---------------|-------------|----------|-------------|-------------|
| .015" | 0995494 | 662' | \$7.54 | 0985090 | 1655' | \$28.56 |
| .020" | 0995495 | 372.4' | 6.46 | 0985091 | 931' | 15.39 |
| .025" | 0995496 | 238.4' | 6.17 | 0985092 | 596' | 14.79 |
| .032" | 0995497 | 145.6' | 6.03 | 0985093 | 364' | 11.79 |
| .040" | 0995498 | 93.2' | 5.74 | 0985094 | 233' | 11.45 |
| .051" | 0995499 | 57.2' | 5.69 | 0985095 | 143' | 11.19 |
| .081" | 0995500 | 36.8' | 6.58 | 0985096 | 92' | 15.82 |
| .102" | | | | 0985097 | 57' | 15.51 |
| .129" | | | | 0985098 | 36' | 15.44 |
| .162" | | | | 0985099 | 24' | 15.32 |
| .204" | | | | 0985100 | 14' | 9.79 |

Lead Wire

Pure Lead Wire

This non-corrosive lead wire is useful for bearing alignment, caulking, and electrical work. Supplied in 5lb and 25lb coils.



| Dia. | Gauge | Part No. | 5 Lb Price /Coil | Part No. | 25 Lb Price /Coil |
|-------|-------|----------|------------------|----------|-------------------|
| .125" | 8 | 0990858 | \$32.87 | 0990861 | \$150.15 |
| .188" | 5 | 0990859 | 32.87 | 0990862 | 150.15 |
| .250" | 2 | 0990860 | 32.87 | 0990863 | 150.15 |

T-SLOTTED ALUMINUM EXTRUSIONS & ACCESSORIES, ECONOMY FLOOR MOUNT BASE PLATES, VARIOUS HANGERS

ALUMINUM EXTRUSIONS

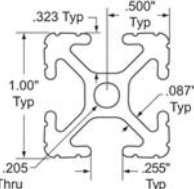
T-Slotted Aluminium Extrusions

80/20 Inc.

The Industrial Erector Set

1" x 1" T-Slotted Extrusion

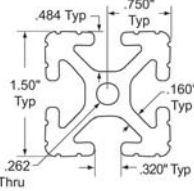
1010 is ideal for machine guards, sound enclosures, work benches, displays, and panel mount racks. Mount accessories such as valves, sensors, switches, DIN rails, etc. directly to T-Slotted extrusions.



| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|---------------|---------------------------------|-------------|-----------|
| 0951305 | Clear Anodized | .495 | 970 +/- .1250 | IX = .044131604 IY = .044131604 | .435 Sq In. | \$0.28: |

1.5" x 1.5" T-Slotted Extrusion

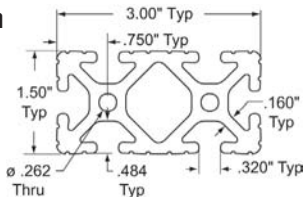
1515 offers the same ease of use as the 1515-Lite extrusion but with the added strength needed for larger scale applications. Use 1515 when designing machines guards and fixtures, shelving and material handling racks, load bearing carts, and workstations.



| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|---------------|-------------------------------|--------------|-----------|
| 0951307 | Clear Anodized | 1.350 | 970 +/- .1250 | IX = .24920704 IY = .24920704 | 1.156 Sq In. | \$0.64: |

1.5" x 3" T-Slotted Extrusion

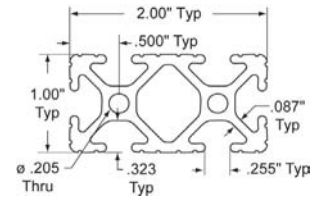
1530 heavy wall is for larger projects where strength is required. It is great for roller conveyors, fixturing, special machines, supports, linear slides, and automated assembly systems. The center of the extrusion can be used for a pressure manifold up to 150 p.s.i.



| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|-------------|-------------------|---------------|-----------|
| 0951309 | Clear Anodized | 2.405 | | | 2.093 sq. in. | \$1.14: |

1" x 2" T-Slotted Extrusion

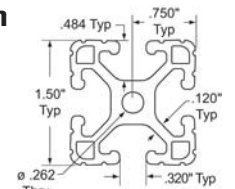
1020 is ideal for machine guards, sound enclosures, work benches, displays, and panel mount racks. It can also be used to mount accessories such as valves, sensors, switches, DIN rails, etc.



| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|---------------|--------------------------------|-------------|-----------|
| 0951306 | Clear Anodized | .937 | 970 +/- .1250 | IX = .082633404 IY = .30370604 | .785 Sq In. | \$0.47: |

1.5" x 1.5" Lite T-Slotted Extrusion

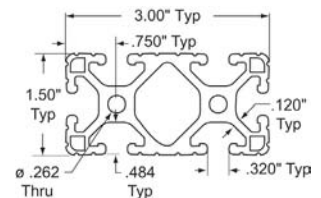
1515-Lite was developed for applications with lighter weight and strength requirements than our heavier wall extrusions. 1515-Lite allows you to design stronger yet lighter machine frames and guards, furniture, workstations, displays, and testing equipment than you can with a 10 Series extrusion.



| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|---------------|-------------------------------|-------------|-----------|
| 0951308 | Clear Anodized | 1.015 | 970 +/- .1250 | IX = .18530004 IY = .18530004 | .895 Sq In. | \$0.55: |

1.5" x 3" Lite T-Slotted Extrusion

1530-Lite is the ideal choice for large door tracks. The center of the extrusion can be used for a pressure manifold up to 150 p.s.i. 1530-Lite is ideal for lighter load bearing structures, guarding, and light duty frames.

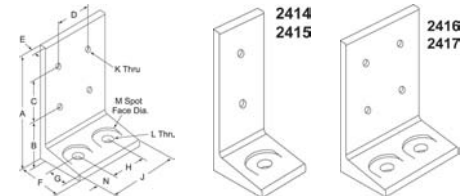


| Part No. | Finish | Lbs./Feet | Length (in) | Moment of Inertia | Area | Price /In |
|----------|----------------|-----------|---------------|-------------------------------|--------------|-----------|
| 0951310 | Clear Anodized | 1.960 | 970 +/- .1250 | IX = .38969004 IY = 1.3726404 | 1.718 Sq In. | \$1.00: |

Economy Floor Mount Base Plates

Floor Mount Base Plates

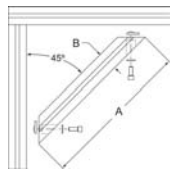
- Strong Economy Base Plates
- Bolts directly to T-Slots
- Allows vertical adjustment
- Made from 6105-T5 Clear Anodized Aluminium



| Part No. | Type | Reference No. | A | B | C | D | E | F | G | H | J | K | L | M | N | Weight (lbs) | Price /Ea |
|----------|-----------|---------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------------|-----------|
| 0951311 | 10 Series | 2414 | 5.00 | 2.75 | 1.50 | - | .250 | 2.00 | .688 | - | 1.00 | 0.257 | 0.390 | 0.875 | 0.500 | .175 | \$9.98: |
| 0951312 | 15 Series | 2415 | 5.00 | 2.75 | 1.50 | - | .250 | 2.00 | .688 | - | 1.50 | 0.328 | 0.531 | 1.125 | 0.750 | .265 | 12.56: |
| 0951313 | 10 Series | 2416 | 5.00 | 2.75 | 1.50 | 1.00 | .250 | 2.00 | .688 | 1.00 | 2.00 | 0.257 | 0.390 | 0.875 | 0.500 | .350 | 13.54: |
| 0951314 | 15 Series | 2417 | 5.00 | 2.75 | 1.50 | 1.50 | .250 | 2.00 | .688 | 1.50 | 3.00 | 0.328 | 0.531 | 1.125 | 0.750 | .530 | 14.82: |

45° T-Slotted Aluminium Extrusion Supports

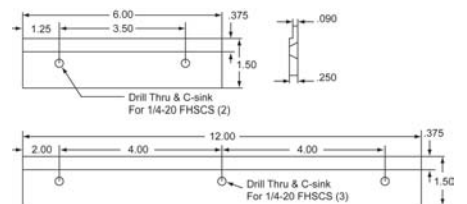
- Maintains a clean, flush connection
- Provides a strong right angle support to corners
- Mounting hardware included with each support
- Mounts directly to T-Slots



| Part No. | Type | A | B | Angle | Weight (lbs) | Price /Ea |
|----------|------|--------|-------|-------|--------------|-----------|
| 0951315 | 1010 | 6.00" | 1.00" | 45° | 0.240 | \$17.03: |
| 0951316 | 1010 | 12.00" | 1.00" | 45° | 0.485 | 18.80: |
| 0951317 | 1020 | 6.00" | 1.00" | 45° | 0.454 | 18.31: |
| 0951318 | 1020 | 12.00" | 1.00" | 45° | 0.918 | 20.09: |
| 0951319 | 1515 | 6.00" | 1.50" | 45° | 0.570 | 19.78: |
| 0951320 | 1515 | 12.00" | 1.50" | 45° | 1.235 | 24.26: |
| 0951321 | 1530 | 6.00" | 1.50" | 45° | 1.035 | 24.93: |
| 0951322 | 1530 | 12.00" | 1.50" | 45° | 2.130 | 32.28: |

Aluminium Container Hanger

- Develop your own customized storage system
- Mounts directly to T-Slots (all mounting hardware included)
- Choose from two sizes
- Made from 6105-T5 aluminum
- 10 and 15 SERIES compatible



| Part No. | Length | Description | Weight | Price/Ea |
|----------|--------|--------------------------------|--------|----------|
| 0951333 | 6" | 6" Aluminium Container Hanger | .210 | \$8.39: |
| 0951334 | 12" | 12" Aluminium Container Hanger | .415 | 10.05: |

T-SLOTTED ALUMINUM EXTRUSIONS & ACCESSORIES, VARIOUS HANGERS, DOOR SIDE TRACK, VARIOUS RETAINERS

Standard T-Slot Cover

80/20 Inc.

The Industrial Erector Set®

- Makes a great dust cover for T-Slots
- OSHA friendly
- Cover wires and tubes in T-Slots
- Available in black, gray, and yellow
- Stock length is 72.5"



10 Series T-Slot Cover

| Part No. | Color | Weight (lbs) | Price/Ea |
|----------|--------|--------------|----------|
| 0951323 | Yellow | 0.096 | \$4.23: |
| 0951324 | Black | 0.096 | 4.23: |
| 0951325 | Gray | 0.096 | 4.23: |

15 Series T-Slot Cover

| Part No. | Color | Weight (lbs) | Price/Ea |
|----------|--------|--------------|----------|
| 0951326 | Yellow | 0.121 | \$4.23: |
| 0951327 | Black | 0.121 | 4.23: |
| 0951328 | Gray | 0.121 | 4.23: |

T-Slotted Extrusion End Caps

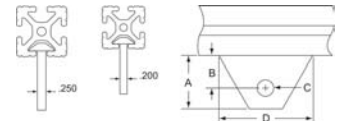
- For use with T-Slotted extrusions
- Gives your project the finishing touch
- Made of molded ABS
- 10 and 15 SERIES compatible
- Fasteners Included



| Part No. | Type | Size (in) | Weight (lbs) | Price/Ea |
|----------|--------------|-------------------|--------------|----------|
| 0951329 | 1010 | 1 x 1 x 1/8" | 0.005 | \$1.23: |
| 0951330 | 1020 | 1 x 2 x 1/8" | 0.010 | 1.65: |
| 0951331 | 1515/1515-Lt | 1.5 x 1.5 x 3/16" | 0.015 | 1.90: |
| 0951332 | 1530/1530-Lt | 1.5 x 3 x 3/16" | 0.030 | 1.96: |

Nylon Tool Hangers

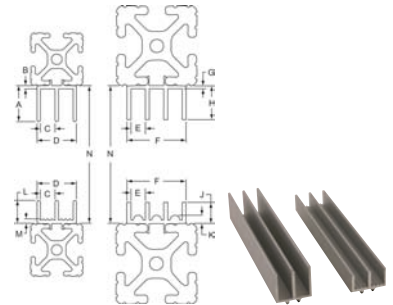
- Ideal for hanging air tools, cable reels, heavy door panels, or transporting cables
- Slides into the extrusion end and moves easily in the T-Slot
- Made of high strength black Nylon 6
- 100 lb. capacity



| Part No. | Series | A | B | C | D | Weight | Price/Ea |
|----------|--------|------|-------|-------|------|--------|----------|
| 0951335 | 10 | 1.10 | 0.686 | 0.328 | 2.00 | 0.012 | \$10.29: |
| 0951336 | 15 | 1.60 | 1.05 | 0.500 | 3.00 | 0.028 | 13.23: |

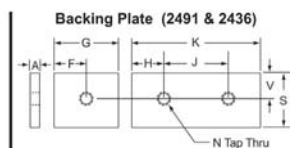
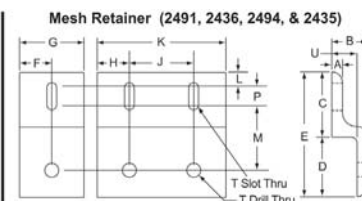
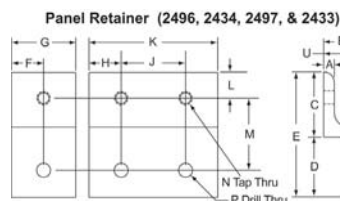
Door Side Track

- Snaps into T-Slot
- Deeper slots in upper track allow panels to be inserted after frame assembly
- Radius bearing surface in lower track allows easier sliding
- 10 and 15 SERIES compatible
- Made of 6105-T5 clear anodized aluminum
- Stock length is 48"



| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | Lbs./Feet | Price /Ea |
|----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------|
| 0951337 | 10 | 0.688 | 0.062 | 0.281 | 0.750 | - | - | - | - | - | - | - | - | 0.208 | \$25.90: |
| 0951338 | 10 | - | - | 0.281 | 0.750 | - | - | - | - | - | - | 0.438 | 0.085 | 0.156 | 25.90: |
| 0951339 | 15 | - | - | - | - | 0.275 | 1.125 | 0.060 | 0.650 | - | - | - | - | 0.270 | 32.00: |
| 0951340 | 15 | - | - | - | - | 0.275 | 1.125 | - | - | 0.400 | 0.154 | - | - | 0.250 | 32.00: |

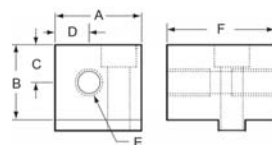
Panel & Wire Mesh Retainers



| Part No. | Reference No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | P | S | T | U | V | Weight | Price /Ea |
|----------|---------------|--------|-------|-------|------|-------|-------|-------|------|-------|------|------|-------|-------|---------|-------|------|-------|-------|-------|--------|-----------|
| 0951341 | 2496 | 10 | 0.188 | 0.563 | 1.00 | 0.938 | 1.938 | 0.500 | 1.00 | - | - | - | 0.392 | 1.108 | 1/4 20 | 0.257 | - | - | 0.375 | 0.500 | 0.055 | \$4.84: |
| 0951343 | 2434 | 15 | 0.250 | 0.840 | 1.50 | 1.379 | 2.879 | 0.750 | 1.50 | - | - | - | 0.594 | 1.656 | 5/16 18 | 0.328 | - | - | 0.590 | 0.750 | 0.175 | 5.08: |
| 0951342 | 2497 | 10 | 0.188 | 0.563 | 1.00 | 0.938 | 1.938 | - | - | 0.500 | 1.00 | 2.00 | 0.392 | 1.108 | 1/4 20 | 0.257 | - | - | 0.375 | 0.500 | 0.110 | 7.11: |
| 0951344 | 2433 | 15 | 0.250 | 0.840 | 1.50 | 1.379 | 2.879 | - | - | 0.750 | 1.50 | 3.00 | 0.594 | 1.656 | 5/16 18 | 0.328 | - | - | 0.590 | 0.750 | 0.350 | 7.41: |
| 0951345 | 2491 | 10 | 0.188 | 0.563 | 1.00 | 0.938 | 1.938 | 0.500 | 1.00 | - | - | - | 0.250 | 0.875 | 1/4 20 | 0.375 | 1.00 | 0.255 | .375 | .500 | .055 | 5.51: |
| 0951347 | 2436 | 15 | 0.250 | 0.840 | 1.50 | 1.379 | 2.879 | 0.750 | 1.50 | - | - | - | 0.344 | 1.406 | 5/16 18 | 0.500 | 1.50 | 0.325 | .590 | .750 | .175 | 6.43: |
| 0951346 | 2494 | 10 | 0.188 | 0.563 | 1.00 | 0.938 | 1.938 | - | - | 0.500 | 1.00 | 2.00 | 0.250 | 0.875 | 1/4 20 | 0.375 | 1.00 | 0.255 | .375 | .500 | .110 | 10.66: |
| 0951348 | 2435 | 15 | 0.250 | 0.840 | 1.50 | 1.379 | 2.879 | - | - | 0.750 | 1.50 | 3.00 | 0.344 | 1.406 | 5/16 18 | 0.500 | 1.50 | 0.328 | .590 | .750 | .350 | 12.68: |

Panel Mount Block

- Firmly mount panels flush or offset
- Simplifies adding or removing panels
- Extrusion mounting hardware included
- 0951349 mounts 3/16 panels flush
- 0951350 mounts 1/4 panels flush



| Part No. | Series | A | B | C | D | E | F | Weight | Price /Ea |
|----------|--------|-------|-------|-------|-------|---------------------|-------|--------|-----------|
| 0951349 | 10 | 0.750 | 0.700 | 0.325 | 0.250 | 1/4 20 Tap Through | 0.812 | 0.050 | \$7.11: |
| 0951350 | 15 | 1.00 | 0.880 | 0.440 | 0.390 | 5/16 18 Tap Through | 1.250 | 0.120 | 7.66: |

Top Mount Bifold Door Hanger Assembly

- Make sliding or bifold doors without using a bottom sliding rail
- 10 and 15 SERIES compatible
- Bolts to extrusion end
- Rotates freely as door pivots
- Made from UHMW polyethelene



| Part No. | Series | Weight | Price/Ea |
|----------|--------|--------|----------|
| 0951351 | 10 | 0.045 | \$7.41: |
| 0951352 | 15 | 0.060 | 2.27: |

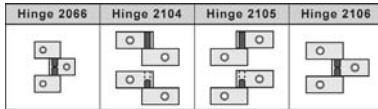
DOOR ASSEMBLIES/ACCESSORIES

ALUMINUM EXTRUSIONS

Door Hinge Assemblies

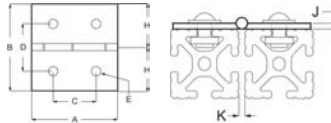
80/20 Inc.

The Industrial Erector Set®



| Part No. | Reference No. | Series | Description | Weight | Price /Ea |
|----------|---------------|--------|--|--------|-----------|
| 0951353 | 2066 | 10 | Heavy Duty Hinge | 0.160 | \$25.48: |
| 0951354 | 2104 | 15 | Right Lift Off Hinge Log Pin Top Short Pin Bottom | 0.320 | 32.16: |
| 0951355 | 2105 | 15 | Left Lift Off Hinge Log Pin Top Short Pin Bottom | 0.320 | 32.16: |
| 0951356 | 2106 | 15 | Heavy Duty Hinge | 0.240 | 23.89: |

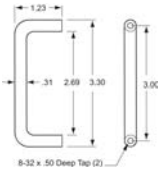
Aluminum Door Hinge



| Part No. | Series | A | B | C | D | E | H | J | K | Weight | Price/Ea |
|----------|--------|------|------|------|-------|-------|------|-------|-------|--------|----------|
| 0951359 | 10 | 2.00 | 2.00 | 1.00 | 1.063 | 0.257 | 1.00 | 0.078 | 0.063 | 0.055 | \$7.53: |
| 0951360 | 15 | 3.00 | 3.00 | 1.50 | 1.625 | 0.328 | 1.50 | 0.125 | 0.125 | 0.170 | 9.80: |

Steel Door Handle

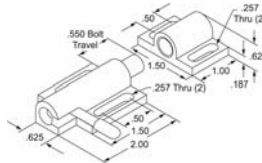
- Bolts directly to panels and doors
- Ideal for low profile applications
- (2) #8-32 x 1/2" BHSCS included
- 10 and 15 SERIES compatible



| Part No. | Weight | Price/Ea |
|----------|--------|----------|
| 0951363 | 0.105 | \$5.45: |

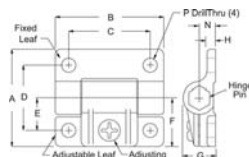
90° Latch

- Positive, spring loaded bolt
- Ideal for enclosure doors
- Mounting hardware included
- S/S bolt, spring, and handle
- 6105-T5 aluminum body
- Pin diameter = .386



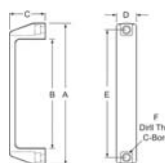
| Part No. | Description | Weight (lbs) | Price /Ea |
|----------|-----------------------|--------------|-----------|
| 0951365 | Deadbolt w/Side Latch | .321 | \$23.15: |

Adjustable Hinge



| Part No. | Series | A | B | C | D | E | F | G | H | N | P | Weight | Price/Ea |
|----------|--------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|----------|
| 0951357 | 10 | 1.44 | 1.69 | 1.25 | 1.00 | 0.500 | 0.720 | 0.500 | 0.230 | 0.270 | 0.197 | 0.030 | \$15.37: |
| 0951358 | 15 | 2.25 | 2.50 | 1.88 | 1.50 | 0.750 | 1.125 | 0.770 | 0.200 | 0.410 | 0.328 | 0.095 | 8.94: |

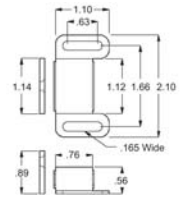
Plastic Door Handles



| Part No. | Series | A | B | C | D | E | F | Weight | Price/Ea |
|----------|--------|------|------|------|-------|-------|----------------|--------|----------|
| 0951361 | 10 | 4.41 | 2.95 | 1.42 | 0.830 | 3.678 | 1/4" SHCS (2) | 0.055 | \$5.15: |
| 0951362 | 15 | 5.47 | 3.69 | 1.63 | 1.02 | 4.60 | 5/16" SHCS (2) | 0.095 | 8.39: |

Magnetic Door Catch

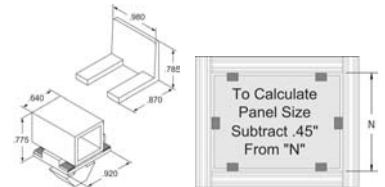
- Ideal for latching panels in place
- 10 and 15 SERIES compatible
- Lightweight
- Use with all T-Slotted extrusions
- Mounting hardware included



| Part No. | Weight | Price/Ea |
|----------|--------|----------|
| 0951364 | 0.120 | \$8.39: |

Quick Change Panel Clamp

- Mount panels up to 1/4" thick
- Made of high strength black nylon
- No machining or fasteners required
- 15 SERIES compatible



| Part No. | Weight | Price/Ea |
|----------|--------|----------|
| 0951366 | 0.018 | \$3.86: |

Inside Corner Brackets



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|------------------------------|--------|---------------|----------------------|-----------|
| 0951367 | 10 | 2 Hole Inside Corner Bracket | 0.025 | 4119 | 2 | \$3.55: |
| 0951368 | 15 | 2 Hole Inside Corner Bracket | 0.085 | 4302 | 2 | 3.61: |
| 0951369 | 10 | 4 Hole Inside Corner Bracket | 0.055 | 4115 | 4 | 4.96: |
| 0951370 | 15 | 4 Hole Inside Corner Bracket | 0.170 | 4301 | 4 | 5.27: |
| 0951371 | 10 | 8 Hole Inside Corner Bracket | 0.120 | 4114 | 8 | 6.55: |
| 0951372 | 15 | 8 Hole Inside Corner Bracket | 0.365 | 4304 | 8 | 8.02: |

Angled Joining Plates



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|--------------------------|--------|---------------|----------------------|-----------|
| 0951379 | 10 | 4 Hole 90° Angled Plate | 0.090 | 4150 | 4 | \$6.25: |
| 0951380 | 15 | 4 Hole 90° Angled Plate | 0.260 | 4350 | 4 | 6.86: |
| 0951381 | 10 | 5 Hole 90° Angled Plate | 0.125 | 4151 | 5 | 7.72: |
| 0951382 | 15 | 5 Hole 90° Angled Plate | 0.370 | 4351 | 5 | 8.70: |
| 0951383 | 10 | 12 Hole 90° Angled Plate | 0.240 | 4128 | 12 | 13.23: |
| 0951384 | 15 | 12 Hole 90° Angled Plate | 0.730 | 4328 | 12 | 15.80: |

Dynamic Pivot Assemblies



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|------------------------|--------|---------------|----------------------|-----------|
| 0951391 | 10 | 3" Universal Arm Pivot | 0.265 | 4195 | 4 | \$23.52: |
| 0951392 | 15 | 3" Universal Arm Pivot | 0.980 | 4395 | 4 | 25.42: |
| 0951393 | 10 | 0° 3" Arm Pivot | 0.190 | 4197 | 4 | 18.38: |
| 0951394 | 15 | 0° 3" Arm Pivot | 0.655 | 4397 | 4 | 19.66: |
| 0951395 | 10 | 90° 3" Arm Pivot | 0.198 | 4198 | 4 | 18.38: |
| 0951396 | 15 | 90° 3" Arm Pivot | 0.655 | 4398 | 4 | 19.66: |

DOOR ASSEMBLIES/ACCESSORIES, VARIOUS BASES & CLAMPS, ALUMINUM TUBE

Tri-Corners & Pivot Arms

80/20 Inc.

The Industrial Erector Set®



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|-----------------------------|--------|---------------|----------------------|-----------|
| 0951403 | 10 | Square Tri-Corner Connector | 0.085 | 4042 | 3 | \$21.87: |
| 0951404 | 15 | Square Tri-Corner Connector | 0.131 | 4442 | 3 | 24.44: |
| 0951405 | 10 | 4" Pivot Arm | 0.090 | 4199 | 3 | 6.37: |
| 0951406 | 15 | 6" Pivot Arm | 0.210 | 4399 | 3 | 7.04: |

Inside Corner Gussets



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|-----------------------------|--------|---------------|----------------------|-----------|
| 0951385 | 10 | 2 Hole Inside Corner Gusset | 0.041 | 4132 | 2 | \$4.84: |
| 0951386 | 15 | 2 Hole Inside Corner Gusset | 0.125 | 4332 | 2 | 5.27: |
| 0951387 | 10 | 4 Hole Inside Corner Gusset | 0.092 | 4136 | 4 | 6.92: |
| 0951388 | 15 | 4 Hole Inside Corner Gusset | 0.275 | 4336 | 4 | 7.66: |
| 0951389 | 10 | 8 Hole Inside Corner Gusset | 0.184 | 4138 | 8 | 9.13: |
| 0951390 | 15 | 8 Hole Inside Corner Gusset | 0.551 | 4338 | 8 | 10.96: |

Joining Strips



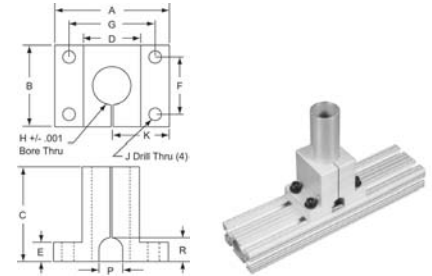
| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|----------------------|--------|---------------|----------------------|-----------|
| 0951373 | 10 | 2 Hole Joining Strip | 0.030 | 4107 | 2 | \$4.17: |
| 0951374 | 15 | 2 Hole Joining Strip | 0.105 | 4307 | 2 | 4.23: |
| 0951375 | 10 | 4 Hole Joining Strip | 0.060 | 4117 | 4 | 5.88: |
| 0951376 | 15 | 4 Hole Joining Strip | 0.215 | 4305 | 4 | 6.06: |
| 0951377 | 10 | 8 Hole Joining Strip | 0.140 | 4165 | 8 | 7.29: |
| 0951378 | 15 | 8 Hole Joining Strip | 0.425 | 4365 | 8 | 8.39: |

Tee Plates & Corner Brackets



| Part No. | Series | Description | Weight | Reference No. | Recommended Bolt Kit | Price /Ea |
|----------|--------|-----------------------|--------|---------------|----------------------|-----------|
| 0951397 | 10 | 5 Hole Tee Plate | 0.120 | 4140 | 5 | \$8.33: |
| 0951398 | 15 | 5 Hole Tee Plate | 0.370 | 4340 | 5 | 9.56: |
| 0951399 | 10 | 12 Hole Tee Plate | 0.240 | 4125 | 12 | 13.23: |
| 0951400 | 15 | 12 Hole Tee Plate | 0.715 | 4325 | 12 | 15.80: |
| 0951401 | 10 | 4 Hole Corner Bracket | 0.065 | 4113 | 4 | 4.96: |
| 0951402 | 15 | 4 Hole Corner Bracket | 0.175 | 4303 | 4 | 5.39: |

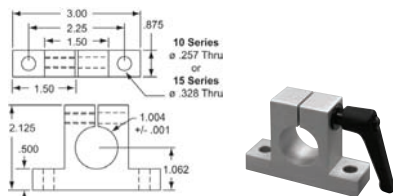
Single Shaft Stanchion Base



| Part No. | Series | Size | A | B | C | D | E | F | G | H | J | K | P | R | Weight | Price/Ea |
|----------|--------|------|-------|-------|------|------|-------|------|------|-------|-------|-------|-------|-------|--------|----------|
| 0951407 | 10 | 1" | 3.000 | 2.125 | 2.50 | 1.50 | 0.500 | 1.00 | 2.25 | 1.004 | 0.257 | 1.500 | 0.625 | 0.625 | 0.705 | \$68.85: |
| 0951408 | 15 | 1" | 3.000 | 2.125 | 2.50 | 1.50 | 0.500 | 1.50 | 2.25 | 1.004 | 0.328 | 1.500 | 0.625 | 0.625 | 0.700 | 68.85: |
| 0951409 | 15 | 1" | 3.875 | 2.50 | 3.00 | 2.25 | 0.750 | 1.50 | 3.00 | 1.505 | 0.328 | 1.937 | 0.875 | 0.875 | 1.355 | 95.73: |

| Part No. | Description | Recommended Bolt Kit |
|----------|---|----------------------|
| 0951407 | 1/4-20 x 3/4" SHCS Economy T-Nut w/o Washer | 4 |
| 0951408 | 5/16-18 x 7/8" SHCS Economy T-Nut w/o Washer | 4 |
| 0951409 | 5/16-18 x 1-1/4" SHCS Economy T-Nut w/ Washer | 4 |

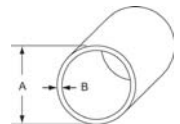
Horizontal Quick Clamp



| Part No. | Size | Series | Weight | Included Hardware | Price /Ea |
|----------|------|--------|--------|--|-----------|
| 0951410 | 1" | 10 | 0.294 | 1/4-20 x 3/4" SHCS Economy T-Nut w/o Washer (2) | \$40.85: |
| 0951411 | 1" | 15 | 0.294 | 5/16-18 x 7/8" SHCS Economy T-Nut w/o Washer (2) | 40.85: |

Aluminum Tube

Drawn Precision Tube 71" Stock Length



| Part No. | A | B | Finish | Alloy | Lbs./Feet | Price/Ea |
|----------|------|-------|----------------|---------|-----------|-----------|
| 0951412 | 1.00 | 0.125 | Clear Anodized | 6061-T6 | 0.405 | \$226.01: |
| 0951413 | 1.50 | 0.125 | Clear Anodized | 6061-T6 | 0.630 | 238.94: |

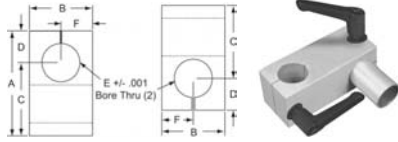
VARIOUS BASES & CLAMPS, BEARINGS & WHEELS

ALUMINUM EXTRUSIONS
& BEARINGS & WHEELS

Quick Stanchion Cross Clamp

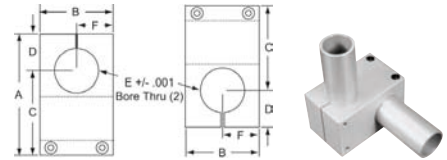
80/20 Inc.

The Industrial Erector Set®



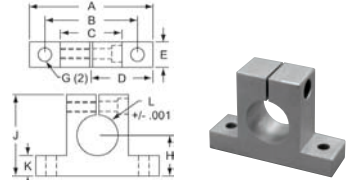
| Part No. | Size | A | B | C | D | E | F | Weight | Price/Ea |
|----------|------|-------|------|-------|------|-------|------|--------|----------|
| 0951414 | 1" | 3.375 | 1.50 | 2.375 | 1.00 | 1.004 | 0.75 | 0.825 | \$73.99: |

Stanchion Cross Clamp



| Part No. | Size | A | B | C | D | E | F | Weight | Price/Ea |
|----------|------|-------|------|-------|------|-------|------|--------|----------|
| 0951415 | 1" | 3.125 | 2.00 | 2.125 | 1.00 | 1.004 | 1.00 | 0.925 | \$71.42: |

Single Horizontal Base

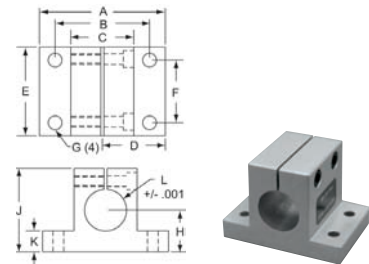


| Part No. | Series | Size | A | B | C | D | E | G | H | J | K | L | Weight | Price/Ea |
|----------|--------|------|-------|------|------|-------|-------|-----------|-------|-------|-------|-------|--------|----------|
| 0951416 | 10 | 1" | 3.00 | 2.25 | 1.50 | 1.50 | 0.875 | .257 Thru | 1.062 | 2.125 | 0.500 | 1.004 | 0.268 | \$38.53: |
| 0951417 | 15 | 1" | 3.00 | 2.25 | 1.50 | 1.50 | 0.875 | .328 Thru | 1.062 | 2.125 | 0.500 | 1.004 | 0.259 | 38.53: |
| 0951418 | 15 | 1.5" | 3.875 | 3.00 | 2.25 | 1.937 | 1.125 | .328 Thru | 1.125 | 2.50 | 0.750 | 1.505 | 1.253 | 45.69: |

Included Bolt Assembly

| Part No. | Included Hardware | Qty. |
|----------|---|------|
| 0951416 | 1/4-20 x 3/4" SHCS Economy T-Nut w/o Washer | 2 |
| 0951417 | 5/16-18 x 7/8" SHCS Economy T-Nut w/o Washer | 2 |
| 0951418 | 5/16-18 x 1 1/4" SHCS Economy T-Nut w/ Washer | 2 |

Double Horizontal Base

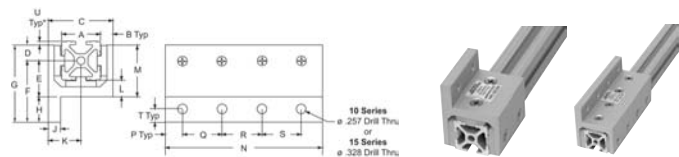


| Part No. | Series | Size | A | B | C | D | E | F | G | H | J | K | L | Weight | Price/Ea |
|----------|--------|------|-------|------|------|-------|------|------|-----------|-------|-------|-------|-------|--------|----------|
| 0951419 | 10 | 1" | 3.00 | 2.25 | 1.50 | 1.50 | 2.00 | 1.00 | .257 Thru | 1.062 | 2.125 | 0.500 | 1.004 | 0.575 | \$57.82: |
| 0951420 | 15 | 1" | 3.00 | 2.25 | 1.50 | 1.50 | 2.00 | 1.50 | .328 Thru | 1.062 | 2.125 | 0.500 | 1.004 | 0.568 | 57.82: |
| 0951421 | 15 | 1.5" | 3.875 | 3.00 | 2.25 | 1.937 | 2.50 | 1.50 | .328 Thru | 1.125 | 2.50 | 0.750 | 1.505 | 1.210 | 68.54: |

Included Bolt Assembly

| Part No. | Included Hardware | Qty. |
|----------|--|------|
| 0951419 | 1/4-20 x 3/4" SHCS Economy T-Nut w/o Washers | 4 |
| 0951420 | 5/16-18 x 7/8" SHCS Economy T-Nut w/o Washers | 4 |
| 0951421 | 5/16-18 x 1-1/4" SHCS Economy T-Nut w/ Washers | 4 |

Single Flange Linear Bearings



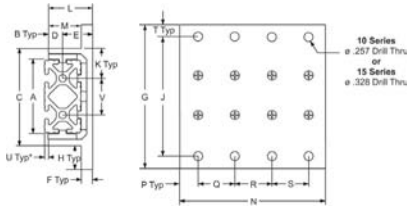
| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | U | Weight | Price/Ea |
|----------|--------|------|-------|------|-------|-------|-------|------|-------|------|-------|-------|------|------|-------|------|------|------|-------|-------|--------|----------|
| 0951422 | 10 | 1.00 | 0.312 | 1.63 | 0.406 | 0.903 | 1.562 | 1.97 | 0.656 | 0.31 | 0.813 | 0.406 | 1.31 | 1.88 | 0.438 | 1.00 | - | - | 0.343 | 0.094 | 0.205 | \$41.83: |
| 0951423 | 10 | 1.00 | 0.312 | 1.63 | 0.406 | 0.903 | 1.562 | 1.97 | 0.656 | 0.31 | 0.813 | 0.406 | 1.31 | 4.00 | 0.500 | 1.00 | 1.00 | 1.00 | 0.343 | 0.094 | 0.435 | 55.19: |
| 0951424 | 15 | 1.50 | 0.500 | 2.50 | 0.625 | 1.375 | 2.125 | 2.75 | 0.750 | 0.50 | 1.250 | 0.625 | 2.00 | 2.81 | 0.656 | 1.50 | - | - | 0.375 | 0.125 | 0.700 | 54.70: |
| 0951425 | 15 | 1.50 | 0.500 | 2.50 | 0.625 | 1.375 | 2.125 | 2.75 | 0.750 | 0.50 | 1.250 | 0.625 | 2.00 | 6.00 | 0.750 | 1.50 | 1.50 | 1.50 | 0.375 | 0.125 | 1.495 | 72.21: |

BEARINGS & WHEELS, VARIOUS FASTENERS

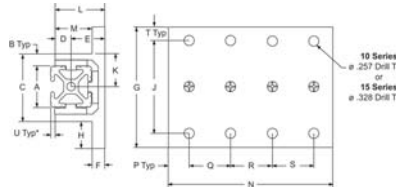
Double Flange Linear Bearings

80/20 Inc.

The Industrial Erector Set®

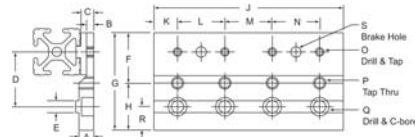


| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | U | V | Weight | Price/Ea |
|----------|--------|------|-------|------|-------|-------|-------|------|-------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|--------|----------|
| 0951426 | 10 | 2.00 | 0.312 | 2.63 | 0.406 | 0.812 | 0.312 | 3.94 | 0.656 | 3.25 | 0.812 | 1.218 | 0.91 | 1.88 | 0.437 | 1.00 | - | - | 0.343 | 0.094 | 1.00 | 0.250 | \$63.03: |
| 0951427 | 10 | 2.00 | 0.312 | 2.63 | 0.406 | 0.812 | 0.312 | 3.94 | 0.656 | 3.25 | 0.812 | 1.218 | 0.91 | 4.00 | 0.500 | 1.00 | 1.00 | 1.00 | 0.343 | 0.094 | 1.00 | 0.525 | \$4.28: |
| 0951428 | 15 | 3.00 | 0.500 | 4.00 | 0.640 | 1.235 | 0.375 | 5.50 | 0.750 | 4.75 | 1.250 | 1.875 | 1.50 | 2.81 | 0.656 | 1.50 | - | - | 0.375 | 0.125 | 1.50 | 0.810 | \$65.60: |
| 0951429 | 15 | 3.00 | 0.500 | 4.00 | 0.640 | 1.235 | 0.375 | 5.50 | 0.750 | 4.75 | 1.250 | 1.875 | 1.50 | 6.00 | 0.750 | 1.50 | 1.50 | 1.50 | 0.375 | 0.125 | 1.50 | 1.705 | \$86.85: |



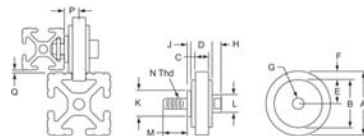
| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | U | Weight | Price/Ea |
|----------|--------|------|-------|------|-------|-------|-------|------|-------|------|-------|-------|------|------|-------|------|------|------|-------|-------|--------|----------|
| 0951430 | 10 | 1.00 | 0.312 | 1.63 | 0.406 | 0.812 | 0.312 | 2.94 | 0.656 | 2.25 | 0.812 | 1.218 | 0.91 | 1.88 | 0.438 | 1.00 | - | - | 0.343 | 0.094 | 0.215 | \$44.71: |
| 0951431 | 10 | 1.00 | 0.312 | 1.63 | 0.406 | 0.812 | 0.312 | 2.94 | 0.656 | 2.25 | 0.812 | 1.218 | 0.91 | 4.00 | 0.500 | 1.00 | 1.00 | 1.00 | 0.343 | 0.094 | 0.450 | \$9.05: |
| 0951432 | 15 | 1.50 | 0.500 | 2.50 | 0.640 | 1.235 | 0.375 | 4.00 | 0.750 | 3.25 | 1.250 | 1.875 | 1.50 | 2.81 | 0.656 | 1.50 | - | - | 0.375 | 0.125 | 0.665 | \$7.58: |
| 0951433 | 15 | 1.50 | 0.500 | 2.50 | 0.640 | 1.235 | 0.375 | 4.00 | 0.750 | 3.25 | 1.250 | 1.875 | 1.50 | 6.00 | 0.750 | 1.50 | 1.50 | 1.50 | 0.375 | 0.125 | 1.415 | \$76.07: |

Single UniBearing™



| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | Weight | Price/Ea |
|----------|--------|------|-------|------|-------|-------|-------|------|------|------|------|-------|-------|-------|--------|---------|--------------|------|-------|--------|----------|
| 0951434 | 10 | 0.31 | 0.152 | 0.30 | 1.165 | 0.250 | 1.062 | 2.06 | 0.50 | 1.88 | 0.44 | 1.000 | - | - | #8-32 | 1/4 20 | 1/4 20 SHCS | 0.50 | 0.265 | 0.130 | \$16.11: |
| 0951435 | 10 | 0.31 | 0.152 | 0.30 | 1.165 | 0.250 | 1.062 | 2.06 | 0.50 | 4.00 | 0.50 | 1.000 | 1.000 | 1.000 | #8-32 | 1/4 20 | 1/4 20 SHCS | 0.50 | 0.265 | 0.270 | \$20.58: |
| 0951436 | 15 | 0.50 | 0.240 | 0.48 | 1.760 | 0.310 | 1.625 | 3.13 | 0.75 | 2.81 | 0.66 | 1.500 | - | - | #10-24 | 5/16 18 | 5/16 18 SHCS | 0.75 | 0.328 | 0.445 | \$18.01: |
| 0951437 | 15 | 0.50 | 0.240 | 0.48 | 1.760 | 0.310 | 1.625 | 3.13 | 0.75 | 6.00 | 0.75 | 1.500 | 1.500 | 1.500 | #10-24 | 5/16 18 | 5/16 18 SHCS | 0.75 | 0.328 | 0.930 | \$22.54: |

Roller Wheels



Type: DR= Dual Roller Bearing PL= Permanent Lube Bronze Bearing

| Part No. | Series | A | B | C | D | E | F | G | H | J | K | L | M | N | Q | P | Type | Weight | Price/Ea |
|----------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|------|--------|----------|
| 0951438 | 10 | 1.50 | 1.125 | 0.240 | 0.480 | 0.563 | 0.188 | 0.314 | 0.219 | 0.125 | 0.625 | 0.435 | 0.310 | 1/4 20 | 0.060 | 0.370 | PL* | 0.075 | \$18.38: |
| 0951439 | 15 | 2.00 | 1.625 | 0.310 | 0.720 | 0.812 | 0.188 | 0.375 | 0.250 | 0.125 | 0.750 | 0.562 | 0.375 | 5/16 18 | 0.060 | 0.485 | DR* | 0.185 | \$31.36: |
| 0951440 | 15 | 2.00 | 1.625 | 0.310 | 0.720 | 0.812 | 0.188 | 0.375 | 0.250 | 0.125 | 0.750 | 0.562 | 0.375 | 5/16 18 | 0.060 | 0.485 | PL* | 0.165 | \$20.27: |

Economy T-Nut Fasteners

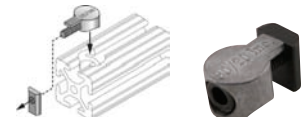


| Part No. | Description | Series | Thickness | Length | Width | Weight | Price/Ea |
|----------|----------------------------------|--------|-----------|--------|-------|--------|----------|
| 0951441 | 1/4-20 Centered Black Zinc T-Nut | 10 | 0.094 | 1.00 | 0.443 | 0.0091 | \$0.25: |
| 0951442 | 5/16-18 Offset Black Zinc T-Nut | 15 | 0.142 | 0.984 | 0.637 | 0.0206 | 0.33: |



| Part No. | Description | Series | Tap Distance | Length | Width | Weight | Price/Ea |
|----------|------------------------------|--------|--------------|--------|-------|--------|----------|
| 0951445 | 1/4-20 Double Economy T-Nut | 10 | 1.000 | 1.875 | 0.443 | 0.0198 | \$0.84: |
| 0951446 | 5/16-18 Double Economy T-Nut | 15 | 1.500 | 2.810 | 0.625 | 0.0625 | 0.96: |

Anchor Fasteners



| Part No. | Description | Nut Type | Bolt Size | Alloy | Weight | Price/Ea |
|----------|---------------------------|-----------|-----------|-------|--------|----------|
| 0951449 | 10 Series Anchor Fastener | Std T-Nut | #10-32 | Zinc | 0.020 | \$3.55: |
| 0951450 | 15 Series Anchor Fastener | Std T-Nut | 5/16-18 | Zinc | 0.100 | 3.86: |

The : symbol after a price denotes that it is a Direct Ship Product (DSP) and shipping, availability & lead times may vary.

VARIOUS FASTENERS, FASTENING BOLT KITS

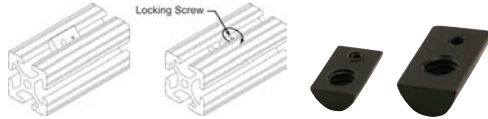
Drop In T-Nut Fasteners

80/20 Inc.

The Industrial Erector Set®



| Part No. | Size | Thickness | Series | Width | Length | Tap Location | Nub Location | Weight | Price/Ea |
|----------|---------|-----------|--------|-------|--------|--------------|--------------|--------|----------|
| 0951443 | 1/4-20 | 0.200 | 10 | 0.395 | 0.620 | 0.201 | 0.500 | 0.008 | \$2.08 |
| 0951444 | 5/16-18 | 0.285 | 15 | 0.510 | 0.875 | 0.310 | 0.680 | 0.026 | 2.27 |



| Part No. | Size | Thickness | Series | Width | Length | Tap Location | Nub Location | Weight | Price/Ea |
|----------|---------|-----------|--------|-------|--------|--------------|--------------|--------|----------|
| 0951447 | 1/4-20 | 0.200 | 10 | 0.395 | 0.620 | 0.201 | 0.500 | 0.0081 | \$2.94 |
| 0951448 | 5/16-18 | 0.285 | 15 | 0.510 | 0.875 | 0.310 | 0.680 | 0.0227 | 2.94 |

Extrusion End Fasteners



| Part No. | Series | Finish | Thread | Screw Included | Weight | Price /Ea |
|----------|--------|------------|---------|----------------|--------|-----------|
| 0951451 | 10 | Black Zinc | 1/4 20 | Yes | 0.020 | \$1.84 |
| 0951452 | 15 | Black Zinc | 5/16 18 | Yes | 0.048 | 1.96 |

Fastening Bolt Kits

| Part No. | Thread | Screw Type | Length | Nut Type | Washer | Material | Price/Ea |
|----------|---------|--|--------|----------------------|--------|------------|----------|
| 0951453 | 1/4-20 | Low Head Socket Cap Screw | 1.00" | N/A | No | Black Zinc | \$0.65 |
| 0951454 | 5/16-18 | Low Head Socket Cap Screw | 1.250" | N/A | No | Black Zinc | 0.77 |
| 0951455 | 1/4-20 | Button Head Socket Head Cap Screw | .625" | N/A | No | Black Zinc | 0.28 |
| 0951456 | 5/16-18 | Button Head Socket Head Cap Screw | .750" | N/A | No | Black Zinc | 0.36 |
| 0951457 | 1/4-20 | Socket Head Cap Screw | .875" | Hex Nut | Yes | Black Zinc | 0.71 |
| 0951458 | 5/16-18 | Flanged Button Head Socket Cap Screw | .500" | Economy T-Nut | No | Black Zinc | 0.71 |
| 0951459 | 5/16-18 | Flanged Button Head Socket Cap Screw | .625" | Economy T-Nut | No | Black Zinc | 0.73 |
| 0951460 | 1/4-20 | Flanged Button Head Socket Cap Screw | .500" | Economy T-Nut | No | Black Zinc | 0.61 |
| 0951461 | 5/16-18 | Flanged Button Head Socket Cap Screw | .625" | Drop-In T-Nut | No | Black Zinc | 2.70 |
| 0951462 | 5/16-18 | Economy T-Slot Syud | .750" | Hex Nut | Yes | Black Zinc | 0.72 |
| 0951463 | 5/16-18 | Flanged Button Head Socket Cap Screw | .500" | N/A | No | Black Zinc | 0.57 |
| 0951464 | 5/16-18 | Flanged Button Head Socket Cap Screw (2) | .625" | Double Economy T-Nut | No | Black Zinc | 1.84 |
| 0951465 | 1/4-20 | Flanged Button Head Socket Cap Screw (2) | .500" | Double Economy T-Nut | No | Black Zinc | 1.16 |
| 0951466 | 5/16-18 | Button Head Socket Head Cap Screw | .625" | Economy T-Nut | No | Black Zinc | 0.61 |
| 0951467 | 1/4-20 | Flanged Button Head Socket Cap Screw | .325" | Economy T-Nut | No | Black Zinc | 0.56 |
| 0951468 | 1/4-20 | Flanged Button Head Socket Cap Screw | .325" | N/A | No | Black Zinc | 0.47 |
| 0951469 | 1/4-20 | Button Head Socket Head Cap Screw | .500" | Economy T-Nut | No | Black Zinc | 0.49 |
| 0951470 | 5/16-18 | Button Head Socket Head Cap Screw | .750" | Hex Nut | Yes | Black Zinc | 0.44 |
| 0951471 | 5/16-18 | Socket Head Cap Screw | .750" | Economy T-Nut | No | Black Zinc | 0.61 |
| 0951472 | #10-32 | Socket Head Cap Screw | .325" | Economy T-Nut | No | Black Zinc | 0.39 |
| 0951473 | #10-32 | Socket Head Cap Screw | .625" | Hex Nut | Yes | Black Zinc | 0.33 |
| 0951474 | 5/16 18 | Socket Head Cap Screw | 1.00" | Hex Nut | Yes | Black Zinc | 0.53 |
| 0951475 | 1/4-20 | Flanged Button Head Socket Cap Screw | .500" | Drop-In T-Nut | No | Black Zinc | 2.45 |
| 0951476 | 1/4-20 | Socket Head Cap Screw | .500" | Economy T-Nut | No | Black Zinc | 0.45 |

METAL CUTTING EQUIPMENT

Metal Cutting Equipment



Horizontal Band Saw 7" x 12"

- Heavy duty cast iron saw head and table
- Oil bath hardened and ground worm gear
- Adjustable ball bearing blade guides
- Adjustable hydraulic feed system
- Automatic shut-off at end of cut
- Comes with casters for portability
- Use our synthetic cutting fluid part #0301881
- 110 Volt

Specifications

Cutting Capacity: 6" Round, 9-1/2" x 6" Rectangle, 11" x 1" Flat Stock

Blade Size: 3/4" x .032" x 93"

Blade Speeds: 86-132-178-260 SFPM

Motor: 3/4 HP, capacitor start, 1725 RPM

Machine Dimensions: 50"L x 18"W x 41"H

Coolant Pump: 1 Gallon Capacity, single phase motor. Wet cutting models complete with hose, flexible nozzle, shut-off valve, tank and baffle.

Height of Work Table: 23-1/2"

Net Weight: 346 lbs.



| Part No. | Description | Price /Ea |
|----------|--------------------------------------|-----------|
| 0950083 | 7" x 12" Horizontal Cut-Off Band Saw | \$1289.56 |



Edwards Ironworkers The fastest growing line of Ironworkers in the USA

Your one stop fab shop! These machines shear flats, rounds & angles, and also punch holes and notch steel. Work more IRON for less coin.

25 Ton Ironworker

- 25 ton
- Punch Capacity: 1" hole in 5/16" mild steel
- Open Station: Shown with optional multi shear (shears 2" x 2" x 1/4" angle iron; 6" x 1/4" flats; and has a built in rod shear), and can also use a brake; pipe notcher; or coper notcher.



| Part No. | Description | Price /Ea |
|----------|------------------|-----------|
| 0950084 | 220 Volt/1 Phase | \$3796.00 |

50 Ton Ironworker

- Punch Capacity: 1" diameter in 5/8" plate
- Fourth work station dedicated for 2" x 3" x 5/16" coper notcher
- Flat Bar Shear: 1/2" x 10"; 3/4" x 4"
- Angle Shear: 4" x 4" x 1/4"; 3 x 3" x 3/8"
- Shipping weight: Class 55/1550 lbs
- "Whisper Quiet" hydraulic system and electric foot pedal



| Part No. | Description | Price /Ea |
|----------|------------------|-----------|
| 0951724 | 220 Volt/3 Phase | \$5996.00 |
| 0951725 | 220 Volt/1 Phase | 6196.00 |
| 0951726 | 440 Volt | 6116.00 |
| 0951727 | 575 Volt | 6564.00 |

55 Ton Ironworker

- Punch Capacity: 1-1/16" hole through 5/8" plate, Optional oversize to 1-9/16"
- Bar Shear: 3/8" x 14" or 1/2" x 12"
- Angle Shear: 4" x 4" x 1/4" and 3" x 3" x 3/8"
- Motor Standard: 3HP, 3PH, 208/240V (options available)
- Open Station for Optional: 2X4X5/16" coper notcher; 8" or 10" brake; pipe notcher or rod shear
- "Whisper Quiet" hydraulic system and electric foot pedals are standard



| Part No. | Description | Price /Ea |
|----------|------------------|-----------|
| 0950085 | 220 Volt/3 Phase | \$6596.00 |
| 0951728 | 220 Volt/1 Phase | 6896.00 |
| 0951729 | 440 Volt | 6716.00 |
| 0951730 | 575 Volt | 7164.00 |

60 Ton Ironworker

- Punch Diameter: 1" diameter in 3/4" plate
- Flat Bar Shear: 5/8" x 12" or 1/2" x 12"
- Angle Shear: 4" x 4" x 3/8"; 3" x 3" x 1/2"
- Coper Notcher: 2-1/2" x 5" x 1/4"



| Part No. | Description | Price /Ea |
|----------|------------------|-----------|
| 7060243 | 220 Volt/3 Phase | \$7596.00 |
| 7060244 | 220 Volt/1 Phase | 7896.00 |
| 7060245 | 440 Volt | 7716.00 |
| 7060246 | 575 Volt | 8164.00 |

EQUIPMENT

METAL CUTTING EQUIPMENT

Metal Cutting Equipment Cont.

EQUIPMENT



65 Ton Ironworker

- Punch Capacity: 1-1/16" diameter in 3/4" plate
- Flat Bar Shear: 3/8" x 24"; 1/2" x 14"
- Angle Shear: 5" x 5" x 1/4"; 4" x 4" x 3/8"
- Coper Notcher: 2-1/2" x 6" x 1/2"
- Open Station holds optional tooling: 10" brake; pipe notcher; rod shear



| Part No. | Description | Price /Ea |
|----------|------------------|-------------|
| 0951731 | 220 Volt/3 Phase | \$11996.00: |
| 0951732 | 220 Volt/1 Phase | 11996.00: |
| 0951733 | 440 Volt | 12116.00: |
| 0951734 | 575 Volt | 12564.00: |

75 Ton Ironworker

- Punch Capacity: 1-1/16" diameter in 7/8" plate
- Throat: 10" depth; 1-5/8" Stroke
- Flat Bar Shear: 3/8" x 24"; 1/2" x 14"; 1" x 10"
- Angle Shear: 5" x 5" x 14"
- Hydraulic System: 10-1/2 GPM 2 stage pump; 300 psi valve pressure
- Open Station: Dedicated for coper notcher



| Part No. | Description | Price /Ea |
|----------|------------------|-------------|
| 0951735 | 220 Volt/3 Phase | \$10996.00: |
| 0951736 | 220 Volt/1 Phase | 11196.00: |
| 0951737 | 440 Volt | 11116.00: |
| 0951738 | 575 Volt | 11564.00: |

100 Ton Ironworker

- Punch Capacity: 1-1/16" hole through 1" plate, Optional oversize to 1-9/16"
- Bar Shear: 1" x 10" or 3/4" x 14"
- Angle Shear: 6" x 6" x 1/2"
- Open Station Tooling Options: 2-1/2" x 6" x 1/2"



| Part No. | Description | Price /Ea |
|----------|------------------|-------------|
| 0950086 | 220 Volt/3 Phase | \$13496.00: |
| 0951739 | 220 Volt/1 Phase | 13496.00: |
| 0951740 | 440 Volt | 13616.00: |
| 0951741 | 575 Volt | 14064.00: |

100 Ton Deluxe Ironworker

- Punch Capacity: 1-1/16" diameter in 1" plate
- Flat Bar Shear: 1/2" x 16"; 3/4" x 12"
- Angle Shear: 5" x 5" x 1/2"
- Coper Notcher: 3" x 5" x 1/2"
- Built in Rod Shear



| Part No. | Description | Price /Ea |
|----------|-----------------|-------------|
| 0951742 | 220 Volt/3Phase | \$16796.00: |
| 0951743 | 440 Volt | 16916.00: |
| 0951744 | 575 Volt | 17364.00: |

120 Ton Ironworker

- Punch Capacity: 1-1/2" diameter in 1" plate
- Flat Bar Shear: 1/2" x 24"; 1" x 12"
- Angle Shear: 6" x 6" x 1/2"
- Open Station: for optional 10" brake; pipe notcher; rod shear
- Std. Coper Notcher: 3" x 6" x 1/2"



| Part No. | Description | Price /Ea |
|----------|------------------|-------------|
| 7060247 | 220 Volt/3 Phase | \$18996.00: |
| 7060248 | 440 Volt | 19116.00: |
| 7060249 | 575 Volt | 19564.00: |

Accessories

| Part No. | Description | Price /Ea |
|----------|--|-----------|
| 0950087 | 25 Ton Coper Notcher | \$779.00: |
| 0952021 | 50 Ton Notcher Blades | 358.00: |
| 0950088 | 55 Ton Coper Notcher | 895.85: |
| 0952023 | 75 Ton Notcher Blades | 476.00: |
| 0950089 | 100 Ton Coper Notcher | 1019.00: |
| 0950090 | 25 Ton 7" Brake | 632.50: |
| 0951754 | 50 Ton 8" Brake | 661.00: |
| 0950091 | 55 Ton 8" Brake | 821.00: |
| 0951755 | 65 Ton 8" Brake | 683.00: |
| 0951756 | 65 Ton10" Brake | 840.00: |
| 0950092 | 100 Ton 12" Brake | 935.00: |
| 0950093 | 3" x 3" x 1/4" "Vee" Notcher | 840.00: |
| 0950094 | Pipe Notching Housing | 269.00: |
| 0950095 | 1/2" Pipe Notch Dies | 302.00: |
| 0950096 | 3/4" Pipe Notch Dies | 325.00: |
| 0950097 | 1" Pipe Notch Dies | 347.00: |
| 0950098 | 1-1/4" Pipe Notch Dies | 370.00: |
| 0950099 | 1-1/2" Pipe Notch Dies | 392.00: |
| 0950100 | 2" Pipe Notch Dies | 414.00: |
| 0950101 | Multi Shear | 706.00: |
| 0951999 | Rod Shear and Housing | 980.00: |
| 0952001 | Punch Gauging | 420.00: |
| 0952003 | Short Fence for Gauging | 36.00: |
| 0952004 | Long Fence for Gauging | 43.00: |
| 0951746 | Electric Stroke Control for 50-100 Ton Ironworkers | NoCharge |

METAL STORAGE RACKS, METAL SPECIFICATIONS

Metals Storage Racks

- An innovative racking system to house your metal, or any other material.
- Consolidate your materials in an organized manner.
- Each compartment is 1-1/2" deep x 9" on center.



METAL STORAGE RACKS & SPECIFICATIONS

| Part No. | Description | W x H x D | Cap./Shelf (lbs) | No. of Compartments | Price /Ea |
|----------|--------------------|---------------|------------------|---------------------|-----------|
| 0950716 | 1 Wide Metals Rack | 3' x 6' x 12' | 1500 | 75 | \$1411.83 |

Metals Specifications

Wire Gauge Chart

| Brown & Sharp; American Wire Gauge (AWG) | Standard | Manufacturers Wire Gauge (BWG) | Birmingham & Moen | Washburn US Standard | Galv. Sheet Gauge | Imperial Standard Wire Gauge (SWG) | Gauge Decimal - Inches |
|--|--|--|-------------------|---|--|---|------------------------|
| Gauge Decimal - Inches Non-Ferrous Metals: Brass, Bronze, Nickel Silver & Aluminum Sheets, Brass, Bronze & Nickel Silver Wire, Brass & Bronze Strip | Gauge Decimal - Inches Cold and Hot Rolled Steel Sheets | Gauge Decimal - Inches Aluminum, Brass, Copper & Steel Tubes, Copper Sheets, Steel & Stainless Steel Strip, Flat Wire | Gauge # | Gauge Decimal - Inches Basic Steel Wire - All finishes | Gauge Decimal - Inches Stainless Steel Sheets | Gauge Decimal - Inches Galvanized Steel Sheets | Gauge Decimal - Inches |
| .5800 | | | 000000 (6/0) | .4615 | | | 0.4640 |
| .5165 | | .500 | 00000 (5/0) | .4305 | | | 0.4320 |
| .4600 | | .454 | 0000 (4/0) | .3938 | | | 0.4000 |
| .4096 | | .425 | 000 (3/0) | .3625 | | | 0.3720 |
| .3648 | | .380 | 00 (2/0) | .3310 | | | 0.3480 |
| .3249 | | .340 | 0 (1/0) | .3065 | | | 0.3240 |
| .2893 | | .300 | 1 | .2830 | | | 0.3000 |
| .2576 | | .284 | 2 | .2625 | | | 0.2760 |
| .2294 | .2391 | .259 | 3 | .2437 | | | 0.2520 |
| .2043 | .2242 | .238 | 4 | .2253 | | | 0.2320 |
| .1819 | .2092 | .220 | 5 | .2070 | | | 0.2120 |
| .1620 | .1943 | .203 | 6 | .1920 | | | 0.1920 |
| .1443 | .1793 | .180 | 7 | .1770 | | | 0.1760 |
| .1285 | .1644 | .165 | 8 | .1620 | .17187 | .1681 | 0.1600 |
| .1144 | .1485 | .148 | 9 | .1483 | .15625 | .1532 | 0.1440 |
| .1019 | .1345 | .134 | 10 | .1350 | .14062 | .1382 | 0.1280 |
| .0907 | .1196 | .120 | 11 | .1205 | .12500 | .1233 | 0.1160 |
| .0808 | .1046 | .109 | 12 | .1055 | .10937 | .1084 | 0.1040 |
| .0720 | .0897 | .095 | 13 | .0915 | .09375 | .0934 | 0.0920 |
| .0641 | .0747 | .083 | 14 | .0800 | .07812 | .0785 | 0.0800 |
| .0571 | .0673 | .072 | 15 | .0720 | .07031 | .0710 | 0.0720 |
| .0508 | .0598 | .065 | 16 | .0625 | .06250 | .0635 | 0.0640 |
| .0453 | .0538 | .058 | 17 | .0540 | .05625 | .0575 | 0.0560 |
| .0403 | .0478 | .049 | 18 | .0475 | .05000 | .0516 | 0.0480 |
| .0359 | .0418 | .042 | 19 | .0410 | .04375 | .0456 | 0.0400 |
| .0320 | .0359 | .035 | 20 | .0348 | .03750 | .0396 | 0.0360 |
| .0285 | .0329 | .032 | 21 | .0317 | .03437 | .0366 | 0.0320 |
| .0253 | .0299 | .028 | 22 | .0286 | .03125 | .0336 | 0.0280 |
| .0226 | .0269 | .025 | 23 | .0258 | .02812 | .0306 | 0.0240 |
| .0201 | .0239 | .022 | 24 | .0230 | .02500 | .0276 | 0.0220 |
| .0179 | .0209 | .020 | 25 | .0204 | .02187 | .0247 | 0.0200 |
| .0159 | .0179 | .018 | 26 | .0181 | .01875 | .0217 | 0.0180 |
| .0142 | .0164 | .016 | 27 | .0173 | .01718 | .0202 | 0.0164 |
| .0126 | .0149 | .014 | 28 | .0162 | .01562 | .0187 | 0.0149 |
| .0113 | .0135 | .013 | 29 | .0150 | .01406 | .0172 | 0.0136 |
| .0100 | .0120 | .012 | 30 | .0140 | .01250 | .0157 | 0.0124 |
| .0089 | .0105 | .010 | 31 | .0132 | | | 0.0116 |
| .0080 | .0097 | .009 | 32 | .0128 | | | 0.0108 |
| .0071 | .0090 | .008 | 33 | .0118 | | | 0.0100 |
| .0063 | .0082 | .007 | 34 | .0104 | | | 0.0092 |
| .0056 | .0075 | .005 | 35 | .0095 | | | 0.0084 |
| .0050 | .0067 | .004 | 36 | .0090 | | | 0.0076 |
| .0045 | .0064 | | 37 | .0085 | | | 0.0068 |
| .0040 | .0060 | | 38 | .0080 | | | 0.0060 |

The : symbol after a price denotes that it is a Direct Ship Product (DSP) and shipping, availability & lead times may vary.

METAL SPECIFICATIONS

Metals Specifications Cont.

SPECIFICATIONS

Size Tolerance for Cold-Finished Carbon Steel Bars, Cold Drawn or Turned and Polished Per ASTM A29, Table A1.11

Tolerances are minus only, all plus tolerance are 0

| 1018 Size Range in Inches | 1045 | |
|---|----------------------------------|--|
| | Max. of Carbon Range Under 0.28% | Max. of Carbon Range Over 0.28% to 0.55% |
| Rounds | | |
| To 1-1/2, incl. | 0.002 | 0.003 |
| 1-1/2 to 2-1/2, incl. | 0.003 | 0.004 |
| 2-1/2 to 4, incl. | 0.004 | 0.005 |
| 4 to 6, incl. | 0.005 | 0.006 |
| 6 to 8, incl. | 0.006 | 0.007 |
| 8 to 9, incl. | 0.007 | 0.008 |
| Hexagons | | |
| To 3/4, incl. | 0.002 | 0.003 |
| 3/4 to 1-1/2, incl. | 0.003 | 0.004 |
| 1-1/2 to 2-1/2, incl. | 0.004 | 0.005 |
| 2-1/2 to 3-1/8, incl. | 0.005 | 0.006 |
| 3-1/8 to 4, incl. | 0.005 | 0.006 |
| Squares | | |
| To 3/4, incl. | 0.002 | 0.004 |
| 3/4 to 1-1/2, incl. | 0.003 | 0.005 |
| 1-1/2 to 2-1/2, incl. | 0.004 | 0.006 |
| 2-1/2 to 4, incl. | 0.006 | 0.008 |
| 4 to 5, incl. | 0.010 | N/A |
| 5 to 6, incl. | 0.014 | N/A |
| Flats | | |
| Width, in. Tolerance applies to width and thickness | | |
| To 3/4, incl. | 0.002 | 0.004 |
| 3/4 to 1-1/2, incl. | 0.004 | 0.005 |
| 1-1/2 to 3, incl. | 0.005 | 0.006 |
| 3 to 4, incl. | 0.006 | 0.008 |
| 4 to 6, incl. | 0.008 | 0.010 |
| Over 6, incl. | 0.013 | 0.015 |

Size Tolerance for Cold-Finished Alloy Steel Bars, Cold Drawn or Turned and Polished Per ASTM A29, Table A1.13

Tolerances are minus only, all plus tolerances are 0.

| Size Range in Inches | Max. of Carbon Range | |
|---|----------------------|---------------------|
| | Under 0.28% | Over 0.28% to 0.55% |
| Rounds | | |
| To 1-1/2, incl. | 0.003 | 0.004 |
| 1-1/2 to 2-1/2, incl. | 0.004 | 0.005 |
| 2-1/2 to 4, incl. | 0.005 | 0.006 |
| 4 to 6, incl. | 0.006 | 0.007 |
| 6 to 8, incl. | 0.007 | 0.008 |
| 8 to 9, incl. | 0.008 | 0.009 |
| Hexagons | | |
| To 3/4, incl. | 0.003 | 0.004 |
| 3/4 to 1-1/2, incl. | 0.004 | 0.005 |
| 1-1/2 to 2-1/2, incl. | 0.005 | 0.006 |
| 2-1/2 to 3-1/8, incl. | 0.006 | 0.007 |
| 3-1/8 to 4, incl. | 0.006 | N/A |
| Squares | | |
| To 3/4, incl. | 0.003 | 0.005 |
| 3/4 to 1-1/2, incl. | 0.004 | 0.006 |
| 1-1/2 to 2-1/2, incl. | 0.005 | 0.007 |
| 2-1/2 to 4, incl. | 0.007 | 0.009 |
| 4 to 5, incl. | 0.011 | N/A |
| Flats | | |
| Width, in. Tolerance applies to width and thickness | | |
| To 3/4, incl. | 0.004 | 0.005 |
| 3/4 to 1-1/2, incl. | 0.005 | 0.006 |
| 1-1/2 to 3, incl. | 0.006 | 0.007 |
| 3 to 4, incl. | 0.007 | 0.009 |
| 4 to 6, incl. | 0.009 | 0.011 |
| Over 6, incl. | 0.014 | N/A |

Size Tolerance for Cold-Finished Round Bars Cold Drawn, Ground and Polished or Turned, Ground and Polished Per ASTM A29, Table A1.12

| Size in In., Cold Drawn, Ground & Polished | Size in In., Ground & Polished | Tolerances from Specified Size in In., Minus Only |
|--|--------------------------------|---|
| To 1-1/2, incl. | To 1-1/2, incl. | 0.001 |
| Over 1-1/2 to 2-1/2, excl. | Over 1-1/2 to 2-1/2, excl. | 0.0015 |
| 2-1/2 to 3, incl. | 2-1/2 to 3, incl. | 0.002 |
| Over 3 to 4, incl. | Over 3 to 4, incl. | 0.003 |
| | N/A | Over 4 to 6, incl. |
| | N/A | Over 6 |

Size Tolerance for Hot-Rolled Carbon and Alloy Bars Round and Square Bars Per ASTM A6, Table 27

| Specified Size | Variations from Size | | Out-of-Round* |
|------------------------|----------------------|--------|---------------|
| | + | - | |
| To 5/16", incl. | 0.005" | 0.005" | 0.008" |
| 5/16" to 7/16" incl. | 0.006" | 0.006" | 0.009" |
| 7/16" to 5/8" incl. | 0.007" | 0.007" | 0.010" |
| 5/8" to 7/8" incl. | 0.008" | 0.008" | 0.012" |
| 7/8" to 1" incl. | 0.009" | 0.009" | 0.013" |
| 1" to 1-1/8" incl. | 0.010" | 0.010" | 0.015" |
| 1-1/8" to 1-1/4" incl. | 0.011" | 0.011" | 0.016" |
| 1-1/4" to 1-3/8" incl. | 0.012" | 0.012" | 0.018" |
| 1-3/8" to 1-1/2" incl. | 0.014" | 0.014" | 0.021" |
| 1-1/2" to 2" incl. | 1/64" | 1/64" | 0.023" |
| 2" to 2-1/2" incl. | 1/32" | 0" | 0.023" |
| 2-1/2" to 3-1/2" incl. | 3/64" | 0" | 0.035" |
| 3-1/2" to 4-1/2" incl. | 1/16" | 0" | 0.046" |
| 4-1/2" to 5-1/2" incl. | 5/64" | 0" | 0.058" |
| 5-1/2" to 6-1/2" incl. | 1/8" | 0" | 0.070" |
| 6-1/2" to 8-1/4" incl. | 5/32" | 0" | 0.085" |
| 8-1/4" to 9-1/2" incl. | 3/16" | 0" | 0.100" |
| 9-1/2" to 10" incl. | 1/4" | 0" | 0.120" |

*Out-of-round is the difference between the maximum and the minimum diameters of the bar, measured at the same transverse cross section.

Hexagon Bars Per ASTM A6, Table 28

| Specified Size | Variations from Size | | Out-of-Hexagon* |
|------------------------|----------------------|--------|-----------------|
| | + | - | |
| To 1/2" incl. | 0.007" | 0.007" | 0.011" |
| 1/2" to 1" incl. | 0.010" | 0.010" | 0.015" |
| 1" to 1-1/2" incl. | 0.021" | 0.013" | 0.025" |
| 1-1/2" to 2" incl. | 1/32" | 1/64" | 1/32" |
| 2" to 2-1/2" incl. | 3/64" | 1/64" | 3/64" |
| 2-1/2" to 3-1/2" incl. | 1/16" | 1/64" | 1/16" |

*Out-of-hexagon section is the greatest difference between any two opposite faces measured at the same transverse cross section.

Metals Specifications Cont.

Flat Bars

Per ASTM A6, Table 26

| Specified Widths, In. | Variations from Thickness, In. | | Variations from Width, In. | | Over 1/2 to 1 | Over 1 to 2 | Over 2 to 3 | Over 3 | + | - |
|-----------------------|--------------------------------|--------------|----------------------------|-------|---------------|-------------|-------------|--------|--------|--------|
| | 0.203 to 0.230 | 0.230 to 1/4 | 1/4 to 1/2 | | | | | | | |
| To 1 incl. | 0.007 | 0.007 | 0.008 | 0.01 | N/A | N/A | N/A | 1/64 | 1/64 | 1/64 |
| Over 1 to 2 incl. | 0.007 | 0.007 | 0.012 | 0.015 | 1/32 | N/A | N/A | 1/32 | 1/32 | 1/32 |
| Over 2 to 4 incl. | 0.008 | 0.008 | 0.015 | 0.02 | 1/32 | 3/64 | 3/64 | 1/16 | 1/16 | 1/32 |
| Over 4 to 6 incl. | 0.009 | 0.009 | 0.015 | 0.02 | 1/32 | 3/64 | 3/64 | 3/32 | 3/32 | 1/16 |
| Over 6 to 8 incl. | N/A | 0.015 | 0.016 | 0.025 | 1/32 | 3/64 | ** | 1/8** | 3/32** | 3/32** |

Flats over 6" to 8" in width are not available as hot-rolled carbon steel bars in thickness under 0.230".

** For flats over 6" to 8" in width, and to 3" in thickness

Permitted Variations in Straightness for Steel Bars

Per ASTM A6, Table 29

Max. Permissible Variations in Straightness

1/4" any 5 feet, or 1/4 x (number of feet of total length/5)

Permitted variations in straightness do not apply to hot-rolled bars if any subsequent heating operation has been performed.

Thickness Tolerance for Aluminum Rod and Bar

| Thickness, Width, In. | Tolerance, In. | Thickness, Width, In. | Tolerance, In. |
|--------------------------|----------------|-------------------------------|----------------|
| Cold Finished Rod | | Cold Finished Flat | |
| .125-.500 | +/- .0015 | .065-.500 | +/- .002 |
| .501-1.000 | +/- .0020 | .501-1.000 | +/- .0025 |
| 1.001-1.500 | +/- .0025 | 1.001-1.500 | +/- .003 |
| 1.501-2.000 | +/- .0040 | 1.501-2.000 | +/- .005 |
| 2.001-3.000 | +/- .0060 | 2.001-3.000 | +/- .008 |
| 3.001-3.499 | +/- .0080 | 3.001-4.000 | +/- .010 |
| 3.500-5.000 | +/- .0120 | | |
| Extruded Rod/6061 | | Extruded Squares/Flats | |
| Under .125 | +/- .006 | Under .125 | +/- .006 |
| .125-.249 | +/- .007 | .125-.249 | +/- .007 |
| .250-.499 | +/- .008 | .250-.499 | +/- .008 |
| .500-.749 | +/- .009 | .500-.749 | +/- .009 |
| .750-.999 | +/- .010 | .750-.999 | +/- .010 |
| 1.000-1.499 | +/- .012 | 1.000-1.499 | +/- .012 |
| 1.500-1.999 | +/- .014 | 1.500-1.999 | +/- .014 |
| 2.000-3.999 | +/- .024 | 2.000-3.999 | +/- .024 |
| 4.000-5.999 | +/- .034 | 4.000-7.999 | +/- .034 |
| 6.000-7.999 | +/- .044 | 8.000-9.999 | +/- .054 |
| 8.000-9.999 | +/- .054 | | |
| 10.000-11.999 | +/- .074 | | |
| 12.000-13.999 | +/- .084 | | |

Thickness Tolerances for Square and Flat Copper Alloy Bar

Applicable to C110, C360, C464, C485

Thickness Tolerances, Plus & Minus for Widths Given in Inches

| 1/2 and under | Over 1/2 to 1-1/4 incl. | Over 1-1/4 to 2 incl. | Over 2 to 4 incl. | Over 4 to 8 incl. | Over 8 to 12 incl. | C360 C464 C485 | | | C110 | | | C360 C464 C485 | | | C110 | | |
|---------------------------|-------------------------|-----------------------|-------------------|-------------------|--------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--|
| | | | | | | C360 | C464 | C485 | C110 | C360 | C464 | C485 | C110 | C360 | C464 | C485 | |
| Thickness, In. | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | C110 | C360 C464 C485 | |
| Over 0.188 - 0.500, incl. | 0.0030 | 0.0035 | 0.0030 | 0.0040 | 0.0035 | 0.0045 | 0.0040 | 0.0045 | 0.0045 | 0.0060 | 0.0055 | 0.0080 | 0.0055 | 0.0080 | 0.0080 | 0.0080 | |
| Over 0.500 - 1.000, incl. | | | 0.0040 | 0.0045 | 0.0040 | 0.0050 | 0.0045 | 0.0050 | 0.0050 | 0.0070 | 0.0060 | 0.0090 | 0.0060 | 0.0080 | 0.0080 | 0.0080 | |
| Over 1.00 - 2.00, incl. | | | 0.0045 | 0.0050 | 0.0045 | 0.0050 | 0.0050 | 0.0060 | 0.0060 | 0.0080 | | | | | | | |
| Over 2.00 - 4.00, incl. | | | | | | 0.3000 | 0.3000 | | | | | | | | | | |

Width Tolerances for Copper Alloy Rectangular Bar

Applicable to C110, C360, C464, C485

| Width, In. | Tolerances, Plus & Minus, In. |
|----------------------------|-------------------------------|
| Over 0.188 to 0.500, incl. | 0.0035 |
| Over 0.500 - 1.25, incl. | 0.0050 |
| Over 1.25 - 2.00, incl. | 0.0080 |
| Over 2.00 - 4.00 | 0.0120 |
| Over 4.00 - 12.00 | 0.3000 |

Straightness Tolerances for Copper Alloy Rod, Bar and Shapes

Applicable to C110, C360, C464, C485

| Form & Size, In. | Length, ft. | Maximum Curvature (Depth of Arc), In. |
|------------------|--------------|---------------------------------------|
| Rod: Drawn | up to 2 | 1/32 |
| | Incl 2 to 5 | 1/32 in any 2 ft. portion |
| | Incl 5 to 10 | 1/8 in any 5 ft. portion |
| Bar and Shapes | 10 and over | 1/2 in any 10 ft. portion |
| | 6 and over | 1/2 in any 6 ft. portion |

METAL SPECIFICATIONS

SPECIFICATIONS

Metals Specifications Cont.

Size Tolerances for Stainless Steel Rounds Drawn, Smooth Turned, Ground, or Ground and Polished

| Size, In. | Over | Under |
|----------------------|--------|--------|
| .044 to 5/16 excl. | 0.001 | 0.001 |
| 5/16 to 1/2 excl. | 0.0015 | 0.0015 |
| 1/2 to 1 excl. | 0.002 | 0.002 |
| 1 to 1-1/2 excl. | 0.0025 | 0.0025 |
| 1-1/2 to 4 incl. | 0.003 | 0.003 |
| 4-1/8 to 4-1/2 incl. | 0.005 | 0.005 |
| 4-9/16 to 6 incl. | 0.008 | 0.008 |

Size Tolerances for Stainless Steel Hexagons and Squares

| Size, In. | Over | Under |
|-------------------|-------|-------|
| 1/8 to 5/16 excl. | 0.000 | 0.002 |
| 5/16 to 1/2 excl. | 0.000 | 0.003 |
| 1/2 to 1 incl. | 0.000 | 0.004 |
| Over 1 to 2 incl. | 0.000 | 0.006 |
| Over 2 to 3 incl. | 0.000 | 0.008 |
| Over 3 to 4 incl. | 0.000 | 0.010 |

Size Tolerances for Stainless Steel Flats

| Width, In. | Thickness, In., Over & Under | | Width, In. | Over 1 thru 2 | Over | Under |
|--------------------|---------------------------------|---------------|------------|---------------|------|-------|
| | Thru 1/2 | Over 1/2 to 1 | | | | |
| To 1 incl. | 0.008 | 0.010 | | | 1/64 | 1/64 |
| Over 1 to 2 incl. | 0.012 | 0.015 | 1/32 | 1/32 | 1/32 | 1/32 |
| Over 2 to 4 incl. | 0.015 | 0.020 | 1/32 | 1/16 | 1/32 | 1/32 |
| Over 4 to 6 incl. | 0.015 | 0.020 | 1/32 | 3/32 | 1/16 | 1/16 |
| Over 6 to 8 incl. | 0.016 | 0.025 | 1/32 | 1/8 | 5/32 | 5/32 |
| Over 8 to 10 incl. | 0.021 | 0.031 | 1/32 | 5/32 | 3/16 | 3/16 |

Straightness Tolerances for Stainless Steel Bars

Measurement is taken on the concave side of the bar with a straight edge.

Hot Finished

1/8" in any 5 feet; but may not exceed 1/8 x (no. of feet in length/5) inches.

Cold Finished

1/16" in any 5 feet; but may not exceed 1/16 x (no. of feet in length/5) inches.

Wall Thickness Tolerance for D.O.M. Tubing OD, Inches

| 3/8-7/8 | Over 7/8-1-7/8 | | Over 1-7/8-3-3/4 | | Over 3-3/4-15 | | Plus | Minus |
|---------|----------------|-------|------------------|-------|---------------|-------|-------|-------|
| | Plus | Minus | Plus | Minus | Plus | Minus | | |
| 0.035 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | | |
| 0.049 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | | |
| 0.065 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 |
| 0.083 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.005 |
| 0.095 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.005 |
| 0.109 | 0.002 | 0.003 | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.005 |
| 0.120 | 0.003 | 0.003 | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.005 |
| 0.134 | | | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.005 |
| 0.148 | | | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.005 |
| 0.165 | | | 0.003 | 0.004 | 0.003 | 0.004 | 0.005 | 0.006 |
| 0.180 | | | 0.004 | 0.004 | 0.003 | 0.005 | 0.006 | 0.006 |
| 0.203 | | | 0.004 | 0.005 | 0.004 | 0.005 | 0.006 | 0.007 |
| 0.220 | | | 0.004 | 0.006 | 0.004 | 0.006 | 0.007 | 0.007 |
| 0.238 | | | 0.005 | 0.006 | 0.005 | 0.006 | 0.007 | 0.007 |
| 0.259 | | | 0.005 | 0.006 | 0.005 | 0.006 | 0.007 | 0.007 |
| 0.284 | | | 0.005 | 0.006 | 0.005 | 0.006 | 0.007 | 0.007 |
| 0.300 | | | 0.006 | 0.006 | 0.006 | 0.006 | 0.008 | 0.008 |
| 0.320 | | | 0.007 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 |
| 0.344 | | | 0.008 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 |
| 0.375 | | | | | 0.009 | 0.009 | 0.009 | 0.009 |
| 0.400 | | | | | 0.010 | 0.010 | 0.010 | 0.010 |
| 0.438 | | | | | 0.011 | 0.011 | 0.011 | 0.011 |
| 0.460 | | | | | 0.012 | 0.012 | 0.012 | 0.012 |
| 0.480 | | | | | 0.013 | 0.013 | 0.013 | 0.013 |
| 0.531 | | | | | 0.013 | 0.013 | 0.013 | 0.013 |
| 0.563 | | | | | 0.013 | 0.013 | 0.013 | 0.013 |
| 0.580 | | | | | 0.014 | 0.014 | 0.014 | 0.014 |
| 0.600 | | | | | 0.015 | 0.015 | 0.015 | 0.015 |
| 0.625 | | | | | 0.016 | 0.016 | 0.016 | 0.016 |
| 0.665 | | | | | 0.017 | 0.017 | 0.017 | 0.017 |

Diameter Tolerances for D.O.M. Tubing

| OD Size Range | OD (in.) Over | OD (in.) Under | ID (in.) Over | ID (in.) Under |
|---------------|---------------|----------------|---------------|----------------|
| Up to .499 | 0.004 | 0.000 | | |
| .500-1.699 | 0.005 | 0.000 | 0.000 | 0.005 |
| 1.700-2.099 | 0.006 | 0.000 | 0.000 | 0.006 |
| 2.100-2.499 | 0.007 | 0.000 | 0.000 | 0.007 |
| 2.500-2.899 | 0.008 | 0.000 | 0.000 | 0.008 |
| 2.900-3.299 | 0.009 | 0.000 | 0.000 | 0.009 |
| 3.300-3.699 | 0.010 | 0.000 | 0.000 | 0.010 |
| 3.700-4.099 | 0.011 | 0.000 | 0.000 | 0.011 |
| 4.100-4.499 | 0.012 | 0.000 | 0.000 | 0.012 |
| 4.500-4.899 | 0.013 | 0.000 | 0.000 | 0.013 |
| 4.900-5.299 | 0.014 | 0.000 | 0.000 | 0.014 |
| 5.300-5.549 | 0.015 | 0.000 | 0.000 | 0.015 |
| 5.550-5.999 | 0.010 | 0.010 | 0.010 | 0.010 |
| 6.000-6.499 | 0.013 | 0.013 | 0.013 | 0.013 |
| 6.500-6.999 | 0.015 | 0.015 | 0.015 | 0.015 |
| 7.000-7.499 | 0.018 | 0.018 | 0.018 | 0.018 |
| 7.500-7.999 | 0.020 | 0.020 | 0.020 | 0.020 |
| 8.000-8.499 | 0.023 | 0.023 | 0.023 | 0.023 |
| 8.500-8.999 | 0.025 | 0.025 | 0.025 | 0.025 |
| 9.000-9.499 | 0.028 | 0.028 | 0.028 | 0.028 |
| 9.500-9.999 | 0.030 | 0.030 | 0.030 | 0.030 |
| 10.000-10.999 | 0.034 | 0.034 | 0.034 | 0.034 |
| 11.000-11.999 | 0.035 | 0.035 | 0.035 | 0.035 |
| 12.000-12.999 | 0.036 | 0.036 | 0.036 | 0.036 |
| 13.000-13.999 | 0.037 | 0.037 | 0.037 | 0.037 |
| 14.000-14.999 | 0.038 | 0.038 | 0.038 | 0.038 |

D.O.M. Tubing Ovality

Ovality shall be within the above tolerance except when wall thickness is less than 3% of the OD. In such cases the additional ovality shall be as follows, but the mean diameter shall be within the specified tolerance.

| OD, In. | Additional Ovality Tolerance, In. |
|------------------------|-----------------------------------|
| Up to 2.000 | 0.010 |
| Over 2.000-3.000 incl. | 0.15 |
| Over 3.000-4.000 incl. | 0.020 |
| Over 4.000-5.000 | 0.025 |
| Over 5.000-6.000 incl. | 0.030 |
| Over 6.000-7.000 | 0.035 |
| Over 7.000-8.000 | 0.040 |
| Over 8.000-9.000 | 0.045 |
| Over 9.000-10.000 | 0.050 |
| Over 10.000-11.000 | 0.055 |
| Over 11.000-12.000 | 0.060 |
| Over 12.000-13.000 | 0.065 |
| Over 13.000-14.000 | 0.070 |
| Over 14.000-15.000 | 0.075 |

Diameter Tolerance for Round Aluminum Drawn Tube

Plus & Minus, Inches Per ANSI H35.2-1993, Table 11.1

| Allowable Deviation of Mean Diam. From size | Allowable Deviation of Diam. From Size at any Point | Heat Treatment | | |
|---|---|----------------|--------------|-------|
| | | Not Treated | Heat Treated | Annl. |
| Up through 0.500 | 0.003 | 0.003 | 0.006 | 0.018 |
| 0.501-1.000 | 0.004 | 0.004 | 0.008 | 0.018 |
| 1.001-2.000 | 0.005 | 0.005 | 0.010 | 0.030 |
| 2.001-3.000 | 0.006 | 0.006 | 0.012 | 0.036 |
| 3.001-5.000 | 0.008 | 0.008 | 0.016 | 0.048 |
| 5.001-6.000 | 0.010 | 0.010 | 0.020 | 0.060 |
| 6.001-8.000 | 0.015 | 0.015 | 0.030 | 0.090 |
| 8.001-10.000 | 0.020 | 0.020 | 0.040 | 0.120 |
| 10.001-12.000 | 0.025 | 0.025 | 0.050 | 0.150 |

Metals Specifications Cont.

Wall Tolerance for Round Aluminum Drawn Tube Plus & Minus, Inches Per ANSI H35.2-1993, Table 11.5

| Allowable Deviation of Mean Diam. From size | Allowable Deviation of Diam. From Size at any Point | Heat Treatable | |
|---|---|--------------------|--|
| | | Non-Heat-Treatable | Heat Treatable |
| 0.010-0.035 | 0.002 | 0.002 | +/-10% of specified wall +/- .003 minimum |
| 0.036-0.049 | 0.003 | 0.003 | |
| 0.050-0.083 | 0.004 | 0.004 | |
| 0.084-0.120 | 0.005 | 0.006 | |
| 0.121-0.300 | 0.008 | 0.012 | |
| 0.301-0.375 | 0.015 | 0.020 | |
| 0.376-0.500 | 0.020 | 0.030 | |

Diameter Tolerance for Round Aluminum Extruded Tube Plus & Minimum, Inches Per ANSI H35.2 - 1993, Table 12.1

| Diam. Inches | Deviation from Size of Mean Diam. | Deviation of Diam. from Size at any Point | | |
|---------------|-----------------------------------|---|------------------|--------------|
| | 5083, 5086, 5454 | Other Alloys | 5083, 5086, 5454 | Other Alloys |
| 0.500-0.0999 | 0.015 | 0.010 | 0.030 | 0.020 |
| 1.000-1.999 | 0.018 | 0.012 | 0.038 | 0.025 |
| 2.000-3.999 | 0.023 | 0.015 | 0.045 | 0.030 |
| 4.000-5.999 | 0.038 | 0.025 | 0.075 | 0.050 |
| 6.000-7.999 | 0.053 | 0.035 | 0.113 | 0.075 |
| 8.000-9.999 | 0.068 | 0.045 | 0.150 | 0.100 |
| 10.000-11.999 | 0.083 | 0.055 | 0.188 | 0.125 |
| 12.000-13.999 | 0.098 | 0.065 | 0.225 | 0.150 |
| 14.000-15.999 | 0.113 | 0.075 | 0.263 | 0.175 |
| 16.000-17.999 | 0.127 | 0.085 | 0.300 | 0.200 |

Wall Tolerances for Round Aluminum Extruded Tube Plus & Minus, Inches Allowable Deviation of Mean Wall from Specified Wall Per ANSI H35.2 - 1993, Table 12.3

| Spec. Wall, In. | 5083, 5086, 5454 | Other Alloys | 5083, 5086, 5454 | Other Alloys | 5083, 5086, 5454 | Other Alloys | 5083, 5086, 5454 | Other Alloys |
|-----------------|------------------|--------------|------------------|--------------|------------------|--------------|-------------------|--------------|
| | Under 1.250 OD | | 1.250-2.999 OD | | 3.000-4.999 OD | | 5.000 OD and over | |
| Under 0.047 | 0.009 | 0.006 | | | | | | |
| 0.047-0.061 | 0.011 | 0.007 | 0.012 | 0.008 | 0.012 | 0.008 | 0.015 | 0.010 |
| 0.062-0.077 | 0.012 | 0.008 | 0.012 | 0.008 | 0.014 | 0.009 | 0.018 | 0.012 |
| 0.078-0.124 | 0.014 | 0.009 | 0.014 | 0.009 | 0.015 | 0.010 | 0.023 | 0.015 |
| 0.125-0.249 | 0.014 | 0.009 | 0.014 | 0.009 | 0.020 | 0.013 | 0.030 | 0.020 |
| 0.250-0.374 | 0.017 | 0.011 | 0.017 | 0.011 | 0.024 | 0.016 | 0.038 | 0.025 |
| 0.375-0.499 | | | 0.023 | 0.015 | 0.032 | 0.021 | 0.053 | 0.035 |
| 0.500-0.749 | | | 0.030 | 0.020 | 0.042 | 0.028 | 0.068 | 0.045 |
| 0.750-0.999 | | | | | 0.053 | 0.035 | 0.083 | 0.055 |
| 1.000-1.499 | | | | | 0.068 | 0.045 | 0.098 | 0.065 |
| 1.500-2.000 | | | | | | | 0.113 | 0.075 |
| 2.001-2.499 | | | | | | | 0.128 | 0.085 |
| 2.500-2.999 | | | | | | | 0.143 | 0.095 |
| 3.000-3.499 | | | | | | | 0.158 | 0.105 |
| 3.500-4.000 | | | | | | | 0.173 | 0.115 |

Keystock Size Tolerances

| Size | Steel Square Zinc Plated | Steel Square Plain Finish | Steel Rectangular Plain Finish |
|-----------------------------|---|---|--------------------------------|
| 3/4 and smaller | + .003 _s to -.000 _s | + .002 _s to -.000 _s | + .003 _s to -.000 |
| 7/8 thru 1-1/2 _s | + .004 _s to -.000 _s | + .003 _s to -.000 _s | + .004 _s to -.000 |
| 1-5/8 thru 2 _s | + .005 _s to -.000 _s | + .004 _s to -.000 _s | + .005 _s to -.000 |

Stainless Steel: +.002_s to -.000_s

Metric Keystock: Pre-plated tolerance is +.002_s to -.000_s (+.508 to -.000mm). Plating may add up to +.001_s (.025mm) to thickness, width

Rebar Size Tolerances

| Metric Size | Diameter (MM) | Area (MM ²) | KG/M | KG/FT | Imperial Size | Fractional Size | Diameter Inches | Area (IN ²) | LB/FT | LB/M |
|-------------|---------------|--|--------|-------|---------------|--------------------|-----------------|-------------------------|--------|-------|
| | | ASTM Standard Reinforcing Bars (REBAR) | | | | | | | | |
| 10 | 9.5 | 71 | 0.560 | 0.171 | 3 | 3/8 _s | 0.375 | 0.11 | 0.376 | 1.23 |
| 13 | 12.7 | 129 | 0.994 | 0.303 | 4 | 1/2 _s | 0.500 | 0.20 | 0.668 | 2.19 |
| 16 | 15.9 | 199 | 1.552 | 0.473 | 5 | 5/8 _s | 0.625 | 0.31 | 1.043 | 3.42 |
| 19 | 19.1 | 284 | 2.235 | 0.681 | 6 | 3/4 _s | 0.750 | 0.44 | 1.502 | 4.93 |
| 22 | 22.2 | 387 | 3.042 | 0.927 | 7 | 7/8 _s | 0.875 | 0.60 | 2.044 | 6.70 |
| 25 | 25.4 | 510 | 3.973 | 1.211 | 8 | 1 _s | 1.000 | 0.79 | 2.670 | 8.76 |
| 29 | 28.7 | 645 | 5.060 | 1.542 | 9 | 1-1/8 _s | 1.128 | 1.00 | 3.400 | 11.15 |
| 32 | 32.3 | 819 | 6.404 | 1.952 | 10 | 1-1/4 _s | 1.270 | 1.27 | 4.303 | 14.12 |
| 36 | 35.8 | 1006 | 7.907 | 2.410 | 11 | 1-1/2 _s | 1.410 | 1.56 | 5.313 | 17.43 |
| 43 | 43.0 | 1452 | 11.384 | 3.470 | 14 | 1-3/4 _s | 1.693 | 2.25 | 7.650 | 25.09 |
| 57 | 57.3 | 2581 | 20.239 | 6.169 | 18 | 2-1/4 _s | 2.257 | 4.00 | 13.600 | 44.62 |

Comparisons of Steel Grades

| Grade | Metric Psi | Grade | Imperial Psi |
|-------|------------|-------|--------------|
| 300 | 43,511 | 40 | 40,000 |
| 420 | 60,716 | 60 | 60,000 |
| 520 | 75,420 | 75 | 75,000 |

METAL SPECIFICATIONS

Metals Specifications Cont.

| Specification | Description |
|-----------------------------------|---|
| AMS 4053 | 6061 T651 Plate |
| AMS 4505 | Brass Sheet, Strip and Plate, Annealed |
| AMS 4507 | Brass Sheet, Strip and plate, Half-Hard |
| AMS 5906 | Steel Corrosion Resistant, Sheet and Strip 18 Cr 9.0 ni (SAE 30302) Cold Rolled, Full Hard, 185 Ksi (1276 Mpa) Tensile Strength |
| ASTM A1008 | Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low Alloy with Improved Formability |
| ASTM 1011 | Steel, Sheet and Strip-Hot-Rolled, Carbon, Structural, High-Strength |
| ASTM A108 | Steel Bars, Carbon, Cold-Finished, Standard Quality |
| ASTM A109 | Steel, Strip, Carbon (0.25 Maximum Percent) Cold-Rolled |
| ASTM A167 | Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip |
| ASTM A193 Gr. B7 | Alloy-Steel and Stainless Steel Bolting Materials for high-Temperature Service |
| ASTM A213 | Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes |
| ASTM A228 | Steel Wire, Music Spring Quality |
| ASTM A240 | Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications |
| ASTM A249 | Welded Austenitic Steel Boiler, Superheater, Heat-Exchanger, and Condenser Tubes |
| ASTM A269 | Seamless and Welded Austenitic Stainless Steel Tubing for General Service |
| ASTM A276 | Stainless Steel Bars and Shapes |
| ASTM A313 | Stainless Steel Spring Wire |
| ASTM A322 | Steel Bars, Alloy, Standard Grades |
| ASTM A331 | Steel Bars, Alloy, Cold-Finished |
| ASTM A36- Carbon Structural Steel | |
| ASTM A479 | Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels |
| ASTM A500 | Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes |
| ASTM A511 | Seamless Stainless Steel Mechanical Tube |
| ASTM A513 | Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tube (ERW-DM) |
| ASTM A519 | Seamless Carbon and Alloy Steel Mechanical Tubing |
| ASTM A554 | Welded Stainless Steel Mechanical Tube |
| ASTM A564 | Hot-Rolled and Cold-Finished Age-Hardening Stainless Steel Bars and Shapes |
| ASTM A569 - Old | Superseded by ASTM A1011 |
| ASTM A580 | Stainless Steel Wire |
| ASTM A582 | Free Machining Stainless Steel Bars |
| ASTM A615 | Deformed and Plain Billet-Steel Bars for Concrete Reinforcement |
| ASTM A666 | Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar |
| ASTM A681 | Tool Steels Alloy |
| ASTM A686 | Tool Steel Carbon |
| ASTM B133 | Replaced by B187 |
| ASTM B134 | Brass Wire |
| ASTM B152 | Copper Sheet, Strip, Plate, and Rolled Bar |

| Specification | Description |
|---------------|--|
| ASTM B16 | Free Cutting Brass Rod, Bar and Shapes for Use in Screw Machines |
| ASTM B164 | Nickel-Copper Alloy Rod, Bar and Wire |
| ASTM B166 | Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, and N06045) and Nickel Chromium-Cobalt-Molybdenum Alloy (UNS N06617) Rod, Bar, and Wire |
| ASTM B187 | Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes |
| ASTM B19 | Cartridge Brass Sheet, Strip, Plate, Bar, and Disks (Blanks) |
| ASTM B209 | Aluminum and Aluminum-Alloy Sheet and Plate |
| ASTM B21 | Naval Brass, Rod, Bar, and Shapes |
| ASTM B210 | Aluminum and Aluminum-Alloy Drawn Seamless Tube |
| ASTM B211 | Aluminum and Aluminum-Alloy Bar, Rod, and Wire |
| ASTM B221 | Extruded Aluminum Alloy Tubes for General Purpose Applications |
| ASTM B3 | Soft or Annealed Copper Wire |
| ASTM B241 | Seamless Extruded Aluminum Alloy Pipe and Tube for General Purpose and Pressure Applications |
| ASTM B3 | Soft Annealed Copper Wire |
| ASTM B308 | Aluminum-Alloy 6061-T6 Standard Structural Profiles |
| ASTM B36 | Brass Plate, Sheet, Strip, and Rolled Bar |
| ASTM B373 | Aluminum Foil for Capacitors |
| ASTM B863 | Titanium and Titanium Alloy Wire |
| ASTM D1710 | Extruded and Compression Molded Polytetrafluoroethylene (PTFE) Rod and Heavy-Walled Tubing |
| ASTM D4020 | Ultra-High-Molecular-Weight Polyethylene Molding and Extrusions Materials |
| ASTM D4066 | Classifications System for Nylon Injection and Extrusion Materials (PA) |
| ASTM D4181 | Acetal (POM) Molding and Extrusion Materials |
| ASTM D5989 | Extruded and Monomer Cast Shapes Made from Nylon (PA) |
| ASTM D6100 | Extruded, Compression Molded and Injection Molded Acetal Shapes (POM) |
| MIL-S-5059 | Steel, Corrosion Resistant (18-8) Plate, Sheet and Strip |
| FDA CFR21 | Food and Drug Administration Code of Federal Regulations Title 21 |
| QQ-A-1876 | Aluminum Foil |
| QQ-A-2008 | Aluminum Alloy 6061 Bar, Rod, Shapes, Tube and Wire, Extruded |
| QQ-A-2009 | Aluminum Alloy 6063 Bar, Rod, Shapes, Tube and Wire, Extruded |
| QQ-A-225/6 | Aluminum Alloy 2024 Bar, Rod, and Wire, Rolled, Drawn or Cold Finished |
| QQ-A-250/11 | Aluminum Alloy 6061 Plate and Sheet |
| QQ-A-250/4 | Aluminum Alloy 2024 Plate and Sheet |
| QQ-S-698 | (Shim Stock) Steel, Sheet and Strip, Low Carbon |
| WW-F-700/6 | Tube, Aluminum, Alloy, Drawn, Seamless, 6061 |
| UNS 26000 | C260 Cartridge Brass |