



# SPECIALTY MATERIALS OFFERING

The specialty materials on our line card reflect the most common requests we receive in each category. However, this is not an all-inclusive list. There are many grades, tempers, shapes, styles, etc. **Request a quote from us** to find any specialty material you need.

## ALLOY STEEL

**Grades:** 4130, 4140, 4142, 4150, 4340, 6150, 8620, 52100

**Tempers:** Annealed, Heat Treated

**Shapes:** Round, Flat, Hex, Sheet, Plate, Tube

## ALUMINUM

**Grades:** 1100, 2024, 3003, 5052, 6061, 7075, Metapor, QC-10

**Shapes & Styles:** Angle, Channels, Beams, Tees, Zees, Round, Flat, Hex, Square, Pipe, Tube, Bar, Grating, Plate, Sheet

## BRASS

**Grades:** 260, 360, 385, 464, 485

**Shapes:** Round, Flat, Hex, Square, Sheet, Plate, Tube, Pipe, Angle, Channel

## BRONZE

**Grades:** 316, 544, 840, 932, 954

**Types:** Ni-Al, Silicon-Al, Silicon, Ni-Ag, Ni-Tin, Al, Manganese

**Shapes & Styles:** Round, Flat, Hex, Square, Sheet, Plate, Tube

## BURNOUTS

**Types:** Flame Cut, Plasma Cut, Laser Cut, Waterjet

**Processing:** Ground, Stress-Relieved, Normalized, Annealed

**Shapes:** Rings, Discs, Plate, Shapes to Print

## CARBIDE

**Grades:** C1-C17, Micrograin, Ultra Micrograin

**Shapes:** Strip, Rod, Blanks

## CARBON STEEL

**Grades:** 1018, 1020, 1045, A36, A572, A516

**Shapes & Styles:** Round, Flat, Square, Hex, Strip, Sheet, Plate, Wire, Angle, Channel, Beams, Burnouts

## CAST IRON / IRON

**Grades, Gray Iron:** Class 40, G2, GX, G2P

**Grades, Ductile Iron:** 60-40-18, 65-45-12, 80-55-06, 100-70-03

**Grades, Ni-Resist Iron:** 201 Type 1

**Shapes & Styles:** Round, Flat, Tubing, Plate

## CERAMICS

**Grades:** Macor, Ultra High Temp, Machinable

**Shapes:** Flat, Round, Square, Discs, Sheet

## COLD ROLLED STEEL

**Grades:** 1018, 11L17, 12L14, Fatigue-proof, Stressproof, ETD150

**Shapes:** Round, Flat, Square, Hex

## COPPER

**Grades:** C101 & 102 Oxygen Free, C110 ETP, C145, C162 & 165 Cadmium, C172-175 Beryllium,

C180 Beryllium-Free, C182 Chromium

**Shapes & Styles:** Round, Flat,

## DIAMOND / TREAD PLATE

**Types:** Aluminum, Stainless Steel, Steel

## DRILL ROD

**Grades:** O-1, W-1, A-2, D-2, M-2, S-7, H-13 Pre-Hard

**Shapes:** Round, Flat, Square

## EXPANDED METAL

**Types:** Steel, Galvanized, Stainless, Aluminum, Copper

**Styles:** Standard, Flattened, Catwalk Grating

**Shapes:** Sheets, Planks

## FIBERGLASS

**Grades:** FRP, GP03, G7, G9, G10/FR4, G11/FR5, SG20

**Shapes:** Round, Flat, Plate, Sheet, Angle, Channel, Tube

## FOAM

**Types:** Polyurethane, Polyethylene, Neoprene, EPDM, Vinyl, Silicone

**Shapes:** Sheet, Round, Flat, Strip, Tube

## FOILS

**Types:** Aluminum, Brass, Copper, Nickel, Stainless

**Shapes & Styles:** Rolls, Sheet

## FORGINGS

**Types:** Alloy Steel, Aluminum, Brass, Carbon Steel, Cast Iron, Copper, Magnesium, Nickel Alloys, Stainless, Titanium, Tool Steel

**Shapes:** Tube, Round, Flat, Custom

## GRAPHITE

**Grades:** Conductive, Compressible

**Shapes:** Round, Flat, Hex, Sheet

## GRATING

**Types:** Steel, Galvanized, Stainless, Aluminum, Fiberglass

**Shapes & Styles:** Bar Grating, Planks

## GROUND FLAT STOCK

**Grades:** O-1, O-6, A-2, A-6, D-2, S-7, M-2, Low Carbon, 4142, 410 Stainless, 440C Stainless

**Shapes:** Flat, Square

## GROUND PLATE

**Types of Grinding:** Blanchard, Double Disc, Surface, Mattison

**Materials Ground:** A36, Stainless, Aluminum, Bronze, Plastics, Castings, Exotic Metals

## HIGH SPEED STEEL

**Grades:** M2, M3, M4, M42, M48, T15, PM M4, PM A11

**Shapes:** Round, Flat, Plate, Block, Sheet

## HOT ROLLED STEEL

**Grades:** 1020, A36, A572-50, A588, A592-50, A709, A992

**Shapes & Styles:** Round, Flat, Coil, Sheet, Plate, Tube, Angle, Beam, Channel, Burnouts

## LEAD

**Grades:** 99.5% Pure

**Shapes & Styles:** Bar, Sheet, Plate, Ingots, Balls, Wire

## MAGNESIUM

**Grades:** AZ31-TP, AZ61A-F, ZK60A

**Shapes & Styles:** Rod, Plate, Sheet, Bar, Castings, Forgings, Extrusions

## MOLYBDENUM

**Grades:** TZM,

**Shapes & Styles:** Sheet, Plate, Wire, Rod, Tube

## NICKEL ALLOYS

**Grades:** 155, 200 330, 333, C276, Hastelloy X, Inconel 600/601/625 /800H, HT/825, Invar 36, Monel 400/405/500/K500

**Shapes & Styles:** Sheet, Plate, Round, Flat, Hex, Expanded, Tube, Pipe

## PERFORATED METAL

**Types:** Aluminum, Brass, Copper, Galvanized, Nickel Alloys, Stainless, Steel, Titanium

**Hole Styles:** Decorative, Hex, Round, Slot, Square

**Shapes:** Sheets, Custom Shapes

## PLASTICS

**Types:** ABS, Acetal, Acrylic, Aluminum Composite Material (ACM), CAB, CE, ECTFE, EVA, FEP, GPO-3, HDPE, LDPE, LE, Noryl, Nylon, PAI, PBT, PCTFE, PEEK, PFA, Polycarbonate, Polyester, Polypropylene, PPS, PSU, PVC, PVDF, Surlyn, TPE, UHMW, Ultem

**Shapes & Styles:** Flat, Round, Hex, Square, Angle, Channel, Sheet, Plate, Film, Tube, Pipe

## RUBBER

**Types:** AFC, Butyl, Cloth Inserted, Cork, CSPE, EPDM, FKM, Natural Gum, NBR, Neoprene, Nitrile, Silicone

**Shapes & Styles:** Roll, Sheet, Strips, Bar, Tube, Angle, Channel, Balls

## SHAFTING

**Grades:** 1018, 1556, 4140, 52100, 17-4PH, T303, T304, T316, T416

**Shapes & Styles:** Anodized, Ceramic Coated, Dual Diameter, D-Profile, Keyed, Thomson, Chrome Plated, TG&P, Centerless Ground, Hardened

## SHIM STOCK

**Types:** Steel, Aluminum, Brass, Stainless

**Shapes & Styles:** Rolls, Sheets

## SPRING STEEL

**Grades:** C1050, C1074/75, C1095

**Tempers:** Annealed, Blue Tempered

**Shapes & Styles:** Sheets, Coils, Wire, Slit Strips

## STAINLESS STEEL

**Grades:** 15-5, 17-4, 303, 304, 316, 410, 416, 420, 440C

**Shapes:** Round, Flat, Square, Hex, Sheet, Plate Tube, Pipe, Angle, Channel

## STRIP STEEL

**Types:** Steel, Alloy Steels, Spring Steel, Galvanized, Stainless, Aluminum, HRPO, Tempered, Copper, Brass, Bronze, Nickel Silver

**Styles:** Coil, Straightened, Custom

## STRUCTURAL STEEL

**Grades:** 1020, A36, A5xx, A709, A992

**Shapes & Styles:** Round, Flat, Sheet, Plate, Tube, Angle, Beam, Channel

## THREADED ROD

**Grades:** Aluminum, B-7, Brass, Bronze, Carbon Fiber, Fiberglass, Molybdenum, Nickel, Plastics, Stainless, Steel, Titanium, Zinc Plated

**Styles:** Stock Lengths, Full Thread, Partial Thread, Custom

## TITANIUM

**Grades:** Grades 1-9, 12, & 23

**Shapes & Styles:** Sheet, Plate, Coil, Round, Flat, Pipe, Expanded, Wire

## TOOL STEEL

**Grades:** A2, A6, A7, A10, D2, D3, D7 H13, L6, M2, M42, O1, O6, P20, S7, CPM

**Shapes & Styles:** Flat, Round, Precision Ground, Rough Ground, Decarb Free, Hollow Bar

## TUNGSTEN

**Grades:** Pure Tungsten

**Shapes & Styles:** Sheet, Plate, Strip, Rod, Blanks, Cylinders, Wire, Tube

## WAX

Machinable

## WIRE & WIRE CLOTH

Available in most materials and measurements

## ZINC

**Grades:** 99% Pure

**Shapes & Styles:** Foil, Sheet, Plate

For more information or quotes contact us at:  
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or visit:  
**AmsteelSupply.com**