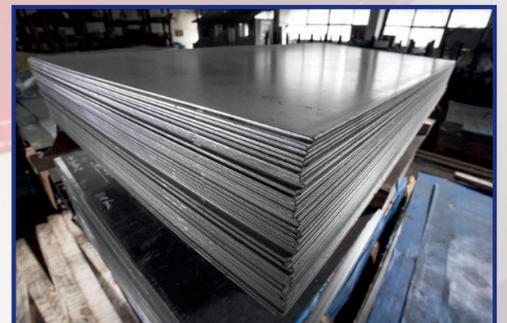
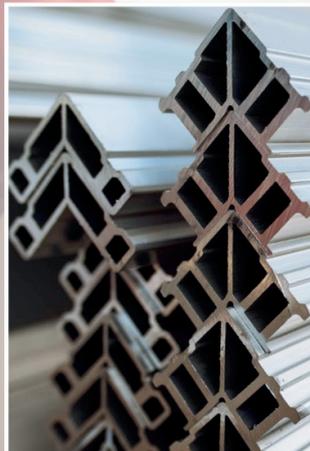




*Pennsylvania Steel  
Company, Inc.*



*Proud to be an Independent Veteran Owned Company since 1972*





# COLD FINISHED STEEL BARS

## **C/F Rounds**

1/8" Diameter through 12" Diameter

Standard Grades – 1018, 1045, 1117, 11L17, 1141, 1144, 11L44, 1215, 12L14

Alloy Grades – 4140, 41L40, 8620 – Annealed and Heat-Treated, 4340 AMS6415

Special Grades – Stressproof\*, Fatigueproof\*, ETD 150\*

Finishes – Cold Drawn, Turned & Polished, Turned Ground & Polished

Metric Sizes – 20 mm through 60 mm - 1045 Turned Ground & Polished

## **12L14 "Penn-Lead" Cold Finished Screw Machine Stock**

Mill quantities – Ton bundles

Features – Chamfered Bar Ends, Consistent Straightness, Excellent Machinability

Rounds – 1/4" diameter through 3-1/2" diameter

Hexagons – 1/4" hexagon through 2-1/2" hexagon

Metric Sizes Available

## **C/F Flats**

1/8" thick through 6" thick

3/16" wide through 20" wide

Standard Grade – 1018

Alloy Grades – 4140 Heat Treated – DCF

Finishes – Cold Drawn, Cold Rolled, Machined

## **C/F Squares**

1/8" Square through 6" Square

Standard Grades – 1018, 1215, 12L14

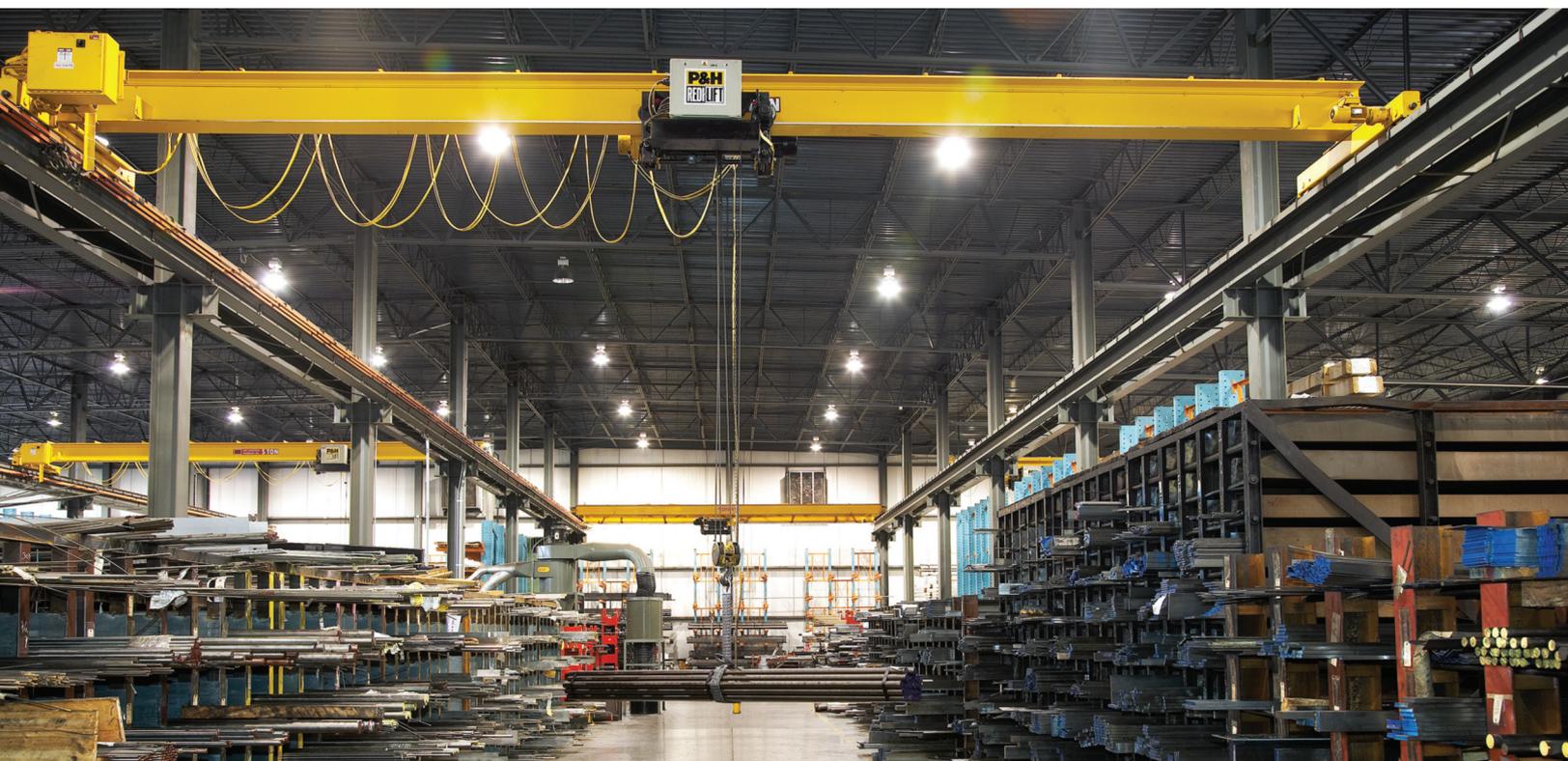
Alloy Grades – 4140 Annealed

## **C/F Hexagons**

1/8" Hexagon through 4" Hexagon

Standard Grades – 1018, 1215, 12L14

\* Trademark of Niagara Corporation



# ALUMINUM PRODUCTS

## 6061 Extruded Aluminum Bars

Rounds – 1/4" Diameter through 16" Diameter  
Squares – 1/4" Square through 6" Square  
Flats – 1/8" thick through 6" thick. 1/2" wide through 12" wide  
Econo-Plate – 6" wide through 18" wide

## 6061 Extruded Aluminum Shapes

Angles – 1" x 1" x 1/8" through 4" x 4" x 3/8" - Equal & Unequal Legs  
American Standard Channels – 3" x .170" through 12" x .300"  
Aluminum Association Channels – 2" x .130" through 12" x .350"

## 6063 Extruded Aluminum Shapes

Angles – 1" x 1" x 1/16" through 2" x 2" x 3/16" - Equal & Unequal Legs  
Channels – 3/4" x 3/4" x 1/8" through 3" x 1" x 1/8"

## 6063 Extruded Tubing

Square – 3/4" Square x 1/8" wall through 4" Square x 1/8" wall  
Rectangular – 2" x 1" x 1/8" wall through 4" x 2" x 1/8" wall

## 6061 Aluminum Pipe

1/2" IPS Sch. 40 through 6" IPS Sch. 40

## Aluminum Plate

Grades – 6061, 7075, Tool & Jig  
Thickness – 1/2" through 12"

## Aluminum Sheet

Grades – 3003, 5052, 6061, Tread Plate  
Thickness – .032" through .190"  
Tread Plate through .250"

# TOOL STEELS

## Grades

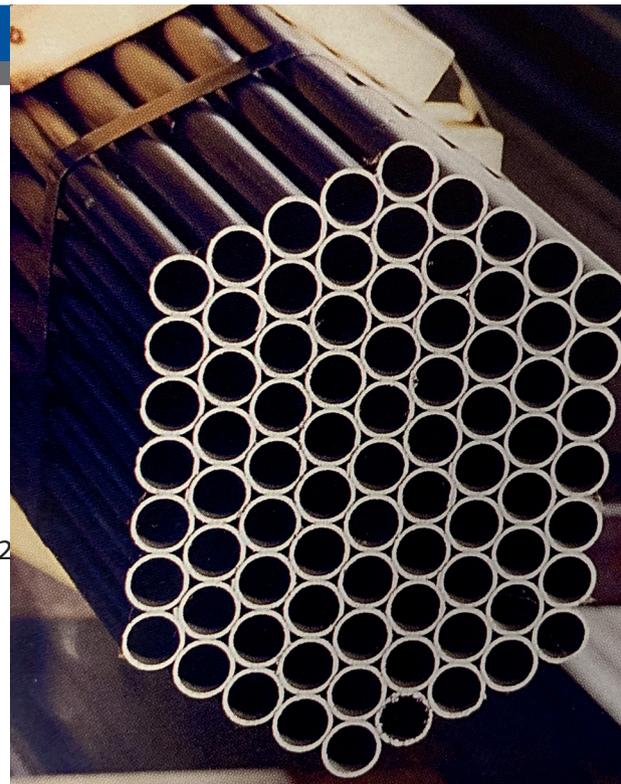
Air Hardening – A2, A6, A7  
High Carbon High Chrome – D2, D3, D7  
Shock Resisting – S1, S5, S7  
Mold Quality – 420, P20, H13  
High Speed – M2, M4  
Oil Hardening – O1, O2, O6, L6  
Water Hardening – W1, W2  
Drill Rod – O1, A2, A6, D2, M2, S7, W1  
Precision Ground Flat Stock – Low Carbon, O1, A2, A6, D2, M2, S7,  
4142, 440C, 410  
Powdered Metals – A11-LVC PM, A11 PM, M4 PM, T15 PM  
Powdered Metals – Now Offering CPM Grades  
Alloy & Low Carbon – Freemax 15, 4140 Pre-Hard, 4150, 4340 HT, 862

## Shapes

Rounds, Flats, Hollow Bar

## Finishes

DeCarb-Free, Rough Turned, Precision Ground, Oversize





## CARBON STEEL

### Hot Rolled Bars

2" through 22" Diameter – Grades 1018, 1045, 1141, 1117, 8620, 4140 ANN, 4140 HT, 4340

Flats Bars and Square Bars

### Hot Rolled Shapes

Angles – Bar Size and Structural  
Beams – Standard and Wide Flange  
Channels – Bar Size and Structural

### Plate

Hot Rolled – P & O – Abrasion Resisting – HSLA – Tread – Corten

### Sheet

Cold Rolled – Hot Rolled - P & O – Galvanized - HSLA

## CARBON STEEL TUBE

### Carbon Steel Structural Tubing

Rectangular – 1/2" x 1" x .062" wall through 12" x 8" x 1/2" wall  
Squares – 1/2 Square x .065" wall through 14" square x 1/2" wall  
Specifications – ASTM A500, ASTM A513

### Carbon Steel Round Tubing

1/4" OD through 30" OD  
Grades – DOM, CD Seamless, ERW, HF Seamless  
Alloy Grades - 4140, 4130

### Carbon Steel Pipe

1/4" IPS through 30" IPS  
Types – Welded and Seamless

### Boiler Tube

ASTM / ASME SA 178 Grades A, C, & D  
2" OD, 2-1/2" OD, 3" OD - .105" wall / .120" wall

## SPECIALTY PRODUCTS

Expanded Metal – Grating – Grip Strut  
Brass - Copper

## SERVICES PROVIDED

Band Sawing / Cold Sawing - Single Piece or Precision Production Cutting  
Aluminum Plate Sawing – Circle Sawing  
Flame Cutting – Oxy and Plasma  
Shearing  
Regional Delivery on Pa Steel Trucks



# STAINLESS STEEL SHEET & PLATE

## Stainless Steel Rounds

1/4" Diameter through 12" Diameter  
Grades – 303, 304, 304L, 316, 316L, 416, 174PH

## Accuracy Round Stock - 303

Diameters - .374", .499", .624", .749", .999", 1.249", 1.374", 1.499", 1.999"

## Stainless Steel Squares

Grades 303, 304, 316 - 1/4" Square through 2" Square

## Stainless Steel Hexagons

Grades 303, 304, 316 - 1/4" Hexagon through 2" hexagon

## Stainless Steel Flats

Grades – 304, 304 "true bar"  
Thickness – 1/8" thick through 1-1/4" thick  
Widths – 1/2" wide through 8" wide

## Stainless Steel Angles

Grade 304 – Equal and Unequal Leg  
3/4" x 3/4" x 1/8" through 5" x 3" x 1/4"

## Stainless Steel Tubing & Pipe

Grade 304 Round Tubing  
Finishes – Mill, 180 Grit Polished  
1/4" OD x .035" wall through 1-1/2" OD x .120" wall

Grade 304 Square & Rectangular Tubing  
Finishes – Mill, 180 Grit Polished  
3/4" Square x 1/8" wall through 4" Square x 1/4" wall  
3/4" x 1-1/2" x .065" wall through 2" x 4" x 1/4" wall

Grade 304 Pipe  
1/4" IPS Sch. 40 through 6" IPS Sch. 40

## Stainless Steel Sheet

Grade 304  
24 GA through 1/4"



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Cleveland, OH  
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Long Island, NY  
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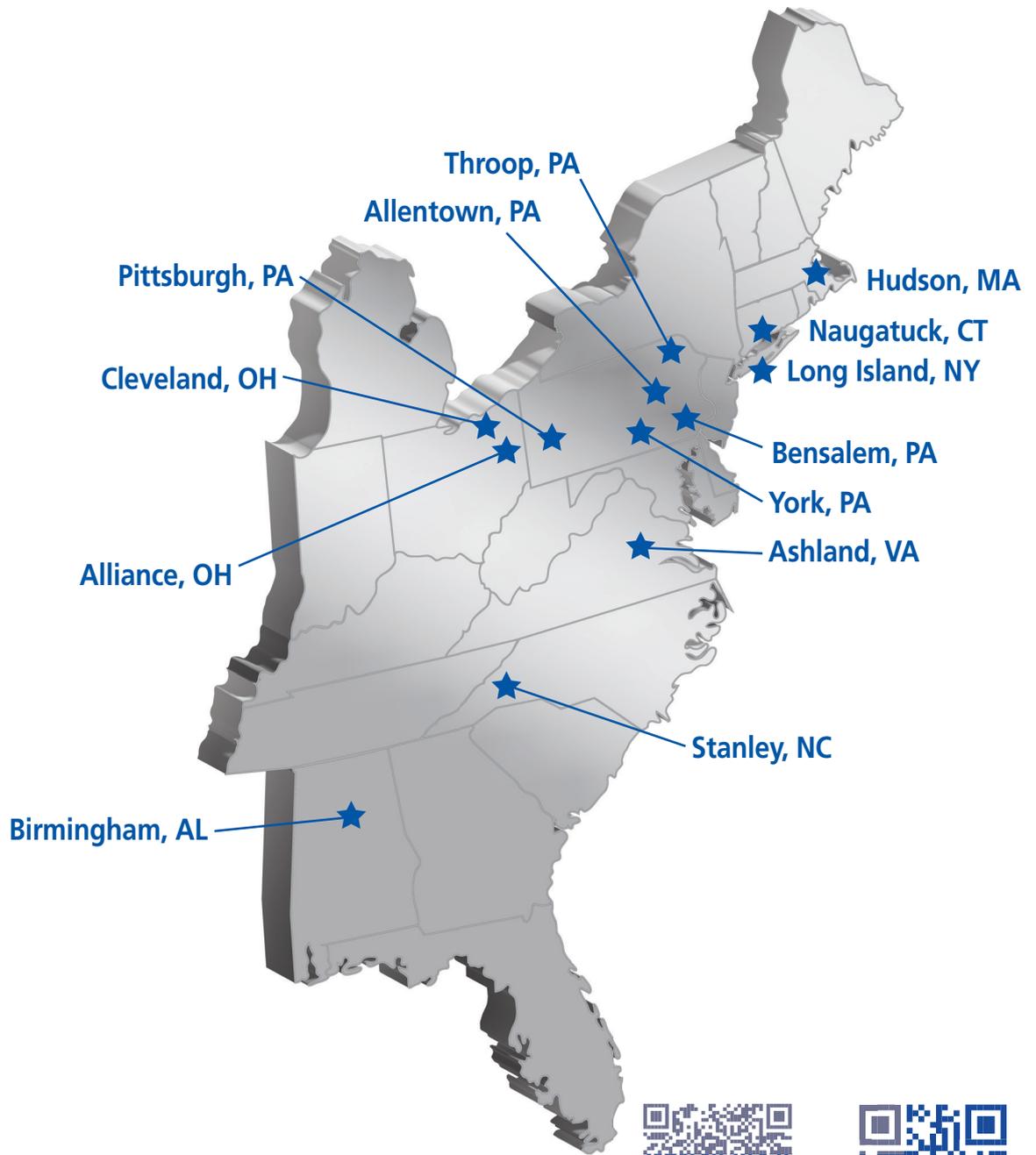
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