# Extrusion Capabilities

## Line Card

### 1XXX Series

**Manufacturing Limits**
- Circle Size Range: 2” - 30”
- Weight Per Foot Range: 0.500 - 140 lbs.
- Length Range: Up to 95’
- Die Availability: Custom Shapes, Standard Shapes

**Comparative Characteristics**
- Corrosion Resistance
- Weldability (Arc)
- Machinability
- Workability
- Strength
- Excellent
- Excellent
- Poor to Fair
- Good to Excellent
- Low to Moderate

### 2XXX Series

**Manufacturing Limits**
- Circle Size Range: 3” - 16”
- Weight Per Foot Range: 3.0 - 70 lbs.
- Length Range: Up to 65’
- Die Availability: Custom Shapes, Standard Shapes

**Comparative Characteristics**
- Corrosion Resistance
- Weldability (Arc)
- Machinability
- Workability
- Strength
- Good
- Excellent
- Fair
- Fair
- High

### 5XXX Series

**Manufacturing Limits**
- Circle Size Range: 2” - 18”
- Weight Per Foot Range: 0.500 - 140 lbs.
- Length Range: Up to 70’
- Die Availability: Custom Shapes, Standard Shapes

**Comparative Characteristics**
- Corrosion Resistance
- Weldability (Arc)
- Machinability
- Workability
- Strength
- Excellent
- Excellent
- Poor to Fair
- Good to Excellent
- Moderate

### 6XXX Series

**Manufacturing Limits**
- Circle Size Range: 2” - 32”
- Weight Per Foot Range: 0.250 - 140 lbs.
- Length Range: Up to 95’
- Die Availability: Custom Shapes, Standard Shapes

**Comparative Characteristics**
- Corrosion Resistance
- Weldability (Arc)
- Machinability
- Workability
- Strength
- Good to Excellent
- Excellent
- Fair
- Good
- Moderate

## Typical Applications

- Bridges
- Missile Components
- Aircraft
- Military Vehicles
- Concrete Forms
- Rail Cars

- Buss Bars
- High Strength Structures
- Transmission Towers
- Truck Trailers

- Marine
- Electrical Connectors
- Archery

- Heat Sinks
- Firearms

## Extrusion Presses

<table>
<thead>
<tr>
<th>8600 Ton</th>
<th>3000 Ton</th>
<th>1800 Ton</th>
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<tbody>
<tr>
<td>Billet Containers</td>
<td>Billet Containers</td>
<td>Billet Containers</td>
</tr>
<tr>
<td>16” Diameter</td>
<td>9” Diameter</td>
<td>7” Diameter</td>
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<tr>
<td>20” Diameter</td>
<td>11” Diameter</td>
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<tr>
<td>10” x 28” Rectangular</td>
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</tbody>
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## Auxiliary Equipment & Services

**Equipment & Services**
- Metallurgical Testing Laboratories
- Solution Heat Treat Furnace to 120’
- 115’ Immersion Ultrasonic Tank
- Stretchers, 320-Ton Capacity
- Stretchers, 750-Ton Capacity with Capability of 27 Square Inch Cross Section (Aircraft Alloy) or 63 Square Inch in AA6061
- Cutoff Saws
- Precision Saws
- Annealing Oven
- Aging Oven
- Knurling capability
- Design Assistance
- Nondestructive Testing
- Destructive Testing
- Horizontal & Vertical CNC Machining
- 5 Axis Machining up to 10.5m long
- Friction Stir Welding*
- Punching*
- Painting and Anodizing*

*via third party partner