**Custom Aluminum Extrusions: To Your Specifications**

**SIZES AVAILABLE:**
- Circle size: .250" - 24"
- Lengths: up to 50’
- Weight: up to 95 lbs/ft

**FINISHES:**
- Mill, Painted, Anodized & Mechanically Enhanced

Eastern Metal Supply holds the country’s largest private inventories for stocking customer’s proprietary profiles to assist with JIT production needs. Often these profiles are fabricated or machined by EMS to enable them to immediately go to the end use product assembly.

We can offer design tips that improve mill productivity and in turn reduce your overall costs due to improved tooling life and production rates. Eastern Metal Supply leverages buying power combined with stocking programs to offer more value than buying direct. Mill minimums shipped to you over time improve cash flow and inventory turns.

---

**Concrete T-Rails & Forming**

**Features & Benefits:**
- aluminum surface gives a clean finished look
- aluminum form will never show brown rust stains typical of steel
- aluminum T-rail will maintain an attractive finish for many years
- aluminum T-rail becomes an integral form for the deck
- drip rail design directs water away from the balcony/sidewalk below
- light weight aluminum results in easier installation
- flexible extruded aluminum product allows faster pour set up

**Typical Wall to Balcony Edge Assembly**

**Custom Sizes Available by Special Order**

<table>
<thead>
<tr>
<th>Size Description</th>
<th>MILL ORDER</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/2&quot; T-Rail x 10'</td>
<td>90-63-1000 (NC/TX)</td>
<td>with Drip Edge; Light Wall</td>
</tr>
<tr>
<td>1-1/2&quot; T-Rail</td>
<td>51-63-275 (NC)</td>
<td>(stair applications)</td>
</tr>
<tr>
<td>1-1/2&quot; T-Rail</td>
<td>90-63-1567 (NC)</td>
<td>with 3&quot; Nailing Fin</td>
</tr>
<tr>
<td>2&quot; T-Rail</td>
<td>50473 (NC)</td>
<td>with Drip Edge</td>
</tr>
<tr>
<td>Concrete Shoring Beam</td>
<td>EMSINT33252</td>
<td>4.250</td>
</tr>
</tbody>
</table>

**Tooling Life & Production Rates:**
Eastern Metal Supply leverages buying power combined with stocking programs to offer more value than buying direct. Mill minimums shipped to you over time improve cash flow and inventory turns.

---

**Eastern Metal Supply**

**Quality Shapes In Aluminum**

**Additional Locations:** West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH, Van Buren, AR; Atlanta, GA and Dallas, TX

**Website:** www.EasternMetal.com **e-mail:** info@EasternMetal.com **version:** 07/11/19
### Furniture - Multiple Shapes & Sizes Available

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Stock Code</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 x 1-3/4 Triple Mandrel Arm/Frame x 20'</td>
<td>1-1/2 x 3/4 Furniture Arm/Frame x 24'</td>
<td>2-1/8 x 3/4 Large Triple Hollow Arm/Frame x 24'</td>
</tr>
<tr>
<td>17-63-105</td>
<td>51-00-093</td>
<td>52-63-12027</td>
</tr>
<tr>
<td>17-63-115FG</td>
<td>52-63-5377</td>
<td>52-63-12027</td>
</tr>
<tr>
<td>52-63-13009</td>
<td>52-63-12027</td>
<td>52-63-13009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Furniture Grade Round Aluminum Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Code</td>
</tr>
<tr>
<td>17-63-110</td>
</tr>
<tr>
<td>17-63-105</td>
</tr>
<tr>
<td>17-63-115FG</td>
</tr>
<tr>
<td>52-63-1272</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serrated Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various Sizes &amp; Styles Available</td>
</tr>
<tr>
<td>See STANDARDS 20</td>
</tr>
</tbody>
</table>

### Case Shapes

<table>
<thead>
<tr>
<th>Case Shapes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” Lg Corner MILL ORDER 52-63-13749</td>
</tr>
<tr>
<td>1/2” Large Corner MILL ORDER 52-63-4531 available with corner stops</td>
</tr>
<tr>
<td>1/4” Tongue &amp; Groove Valance Self Mating MILL ORDER 13780-10 (NC)</td>
</tr>
<tr>
<td>1/2” Tongue &amp; Groove Valance Self Mating MILL ORDER 52-63-6599</td>
</tr>
</tbody>
</table>

**Custom, Fab & Misc 02**
### J Molding Channel

- **5/16" J Molding Channel**
  - MILL ORDER: 52-63-12993

- **7/8" J Molding Channel**
  - MILL ORDER: 52-63-12994

### Integral Web Channel Bus

- MILL ORDER

### Universal Angle Bus Conductor

- MILL ORDER

### Electrical - Multiple Shapes & Sizes Available

- **1/2" Corner Molding x 12’**
  - MILL ORDER: 52-63-13545

### Grooved End Pipe

- **2’ SCH 40 - 10” SCH 40**
- Available; Accepts Victaulic® Couplings
- www.victaulic.com

### Transportation

- **Truck Tarp Latch Plate**
  - MILL ORDER: 11602-001 (TX)

- **Cargo/Food Truck Door Frame**
  - 12-63-210 (TX)

### Pontoon Rail

- **1.250 x .080 Pontoon Tube w/ lip**
  - MILL ORDER: 15426 (MO)

### Additional Locations:

- West Palm Beach & Lakeland, FL; Newark, DE; Akron, OH; Van Buren, AR; Atlanta, GA and Dallas, TX

### Contact Information:

- **EMS FL**: 1-800-432-2204
  - (561) 588-4780 - fax

- **EMS NC**: 1-800-343-8154
  - (704) 391-2267 - fax

- **EMS TX**: 1-800-996-6061
  - (281) 656-2297 - fax

- **EMS MO**: 1-888-822-6061
  - (314) 344-3349 - fax

### Website:

- www.EasternMetal.com

### E-mail:

- info@EasternMetal.com

### Version:

- 02/11/19
**Welding Wire**

**R4043 TIG WELDING ROD x 3’**

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4043-3/32-10T (TX)</td>
<td>3/32 10 lb TIG Carton</td>
</tr>
<tr>
<td>4043-1/8-10T (TX)</td>
<td>1/8 10 lb TIG Carton</td>
</tr>
</tbody>
</table>

**R5356 TIG WELDING ROD x 3’**

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5356-3/32-10T (TX)</td>
<td>3/32 10 lb TIG Carton</td>
</tr>
<tr>
<td>5356-1/8-10T (TX)</td>
<td>1/8 10 lb TIG Carton</td>
</tr>
</tbody>
</table>

**ER4043 MIG WELDING WIRE**

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4043-035-1 (TX)</td>
<td>.035 1 lb Spool</td>
</tr>
<tr>
<td>4043-035-16 (TX)</td>
<td>.035 16 lb Spool</td>
</tr>
<tr>
<td>4043-3/64-1 (TX)</td>
<td>3/64 1 lb Spool</td>
</tr>
<tr>
<td>4043-3/64-16 (TX)</td>
<td>3/64 16 lb Spool</td>
</tr>
</tbody>
</table>

**ER5356 MIG WELDING WIRE**

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5356-035-1 (TX)</td>
<td>.035 1 lb Spool</td>
</tr>
<tr>
<td>5356-035-16 (TX)</td>
<td>.035 16 lb Spool</td>
</tr>
<tr>
<td>5356-3/64-1 (TX)</td>
<td>3/64 1 lb Spool</td>
</tr>
<tr>
<td>5356-3/64-16 (TX)</td>
<td>3/64 16 lb Spool</td>
</tr>
</tbody>
</table>

**R4043/ER4043 Welding Wire** is a general-purpose type aluminum welding wire.
- Contains silicon additives, which result in improved fluidity (wetting action) of the weld pool
- Produces a weld less sensitive to cracking
- Bright weld finish makes it a popular choice of welders
- Can be used to weld various grades of aluminum e.g. 6063, 6061

**R5356/ER5356 Welding Wire** is a general-purpose type aluminum alloy, which is typically chosen for its relatively high shear strength and used in the marine and construction industries.

- Offers excellent corrosion resistance when exposed to salt water
- Excellent for welding 5000 series aluminum base metals and other marine alloys e.g. 6463
- Good color match after anodizing 5xxx/6xxx alloy base metal

---

**Oil Containment Boom Connectors**

**Bulk Universal Slide Connector x 24’ 3”**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-61-3902</td>
<td>6061-T6</td>
</tr>
</tbody>
</table>

**Mini Universal Slide Connector**

**Mill Order**

<table>
<thead>
<tr>
<th>Stock Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-61-3715</td>
<td>6061-T6</td>
</tr>
</tbody>
</table>

**6061-T6 Rect. Aluminum Bar x 12’**

<table>
<thead>
<tr>
<th>Code</th>
<th>Size (E x M)</th>
<th>Wt/ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-61-275</td>
<td>3/16 x 1-1/2</td>
<td>0.338</td>
</tr>
<tr>
<td>10-61-285</td>
<td>3/16 x 2</td>
<td>0.451</td>
</tr>
<tr>
<td>10-61-335</td>
<td>1/4 x 1-1/2</td>
<td>0.450</td>
</tr>
<tr>
<td>10-61-340</td>
<td>1/4 x 2</td>
<td>0.600</td>
</tr>
</tbody>
</table>

**Pre-Fabricated Bulk Universal Slide Connector x 24”**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6061T6</td>
<td>6061-T6</td>
</tr>
</tbody>
</table>

**Pre-Fabricated 3/16” x 1-1/2” Flat Bar x 24”**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6061T6</td>
<td>6061-T6</td>
</tr>
</tbody>
</table>

**Assembly Drawing**

- 1/8” MIN. CLEARANCE AT FULL SPRING COMPRESSION
- 1-1/2” SLIDE CONNECTOR
- 1-1/2” X 24” RECT. BAR
- 1-1/2” LOOP RING
- SELF-LOCKING .375 ±.050 DIA. MINIMUM PRACTICAL LENGTH

---

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**Website:** www.easternmetal.com  e-mail: info@easternmetal.com  version: 05/23/17
Pre-Fabricated Sunshades
Please see Architectural Systems pages 1-4
• Available in a variety of styles and sizes
• Pre-Fabricated components shipped ready to assemble

Options include:
• Airfoil Blades variety: choose from 2" to 12" (Arch 01)
• Additional Blades to choose from:
  Z Louver Blades, Rectangular Tube and Round Tube (Arch 04)
• Bullnoses: Half round, Full round or Rect. Tube (Arch 02)
• Outriggers: Rect. Bar, Rect. Tube or Plate with holes to accept or attach blades (Arch 03)
• Mullions: Pre-Fabricated with pass through holes (Arch 03)

Pre-Fabricated Bahamas & Colonials Shutters
Please see Hurricane & Security Systems pages 44-53
Available in a variety of styles, colors and sizes

Options include:
• HV™ Low Profile (pp 48-52) • Board & Batten (p 44)
• 3 Wave Blade (p 53) • Raised Panel (assembled only; p 56)

Sold Four Ways:
• Mill Finish lineals (customer fabricates & paints)
• Pre-Fabricated Mill Finish lineals (customer cuts, assembles & paints)
• Mill Finish Assembled Shutter (customer paints & installs)
• Painted Assembled Shutter (customer installs)
Integrated with our large inventory of high quality extrusions, we offer our customers numerous machining and fabrication services. We can work with your engineers and designers to help reduce your start-up time by using our Solid Works (CAD) software and 3D printing capabilities. Whatever your business, EMS can help augment your capabilities.

**Capabilities:**
- CNC Centers (Mills/Lathes)
- Shearing
- Precision cutting (12" - 50')
- Punching
- Deburring
- Polishing
- Drilling
- Tapping
- Welding
- Roll Forming
- Beveling/Chamfering
- Bending
- Sanding
- Swedging
- Assembly
- Anodizing
- Powder Coat Paint
- Design Assistance (R & D)
- CAD
- 3D Printing

The industries we currently service are: lighting, patio/restaurant furniture, architectural sunshades, marine, sporting equipment, railing, hurricane/decorative shutter, sound equipment, electronics and more!

**Rod and Bar - Standard & Specialty**
EMS has the highest quality machine grade extrusions available in the market today, with a special 6061 alloy chemistry for improved machining.

These extrusions include:
- Rod up to 12.125" diameter
- Square bar up to 9"
- Rectangular bar up to 19.6" width

Please contact your EMS Sales Representative for more information about our machining and fabrication capabilities!