

Custom Forging.  
Customer Focused.

 **weldaloy**



Who  
we are



For 70 years, Weldaloy has been providing industries with a single source for custom copper and aluminum forging. Our goal is to create meaningful and lasting relationships with each customer by providing the highest level of service and quality. We believe our vertical integration process ensures we meet that goal each and every time.

# What is Vertical Integration?



Vertical integration is at the core of what makes Weldaloy consistently able to provide customers with superior quality and customer service year after year. We offer our customers a one-stop-shop from raw materials, various forging processes, rough and finish machining, heat treating, to final delivery. Whether a customer needs it all, or only one of these services, Weldaloy provides:

- **Cost savings** by removing the product transport expense between suppliers
- **Consistent quality**, leading to higher profitability for customers
- Simplicity by having everything with **one supplier**
- **Reliability** through a 23-step order review process and ISO9001 certification
- **No surcharges** – we hold our prices to what was agreed upon
- Open access to **technical and engineering expertise**
- Resources that enable greater **flexibility and customization**
- A **customer-first** approach, and dedication to meeting our customers' needs

Raw Material



Saw



Open Die  
Closed Die  
Rolled Ring



Heat Treat



Machining



Shipping

Materials we  
stock ready  
for immediate  
processing

**C10100**

Oxygen Free  
Electronic Copper  
(OFE), Non-heat  
treatable

**C10700**

Oxygen Free Copper  
with Silver (OFS),  
Non-heat treatable

**C10800**

Oxygen Free Low  
Phosphorus Copper  
(OFLP), Non-heat  
treatable

**C12220**

Copper  
Phosphorus, Non-  
heat treatable

**C71580**

Copper-Nickel  
(30%), Non-heat  
treatable

**C15000**

Zirconium  
Copper, Heat  
treatable

**C18000**

Chromium Nickel  
Silicon Copper, Heat  
treatable

**C18150**

Chromium  
Zirconium Copper,  
Heat treatable

**C18200**

Chromium  
Copper, Heat  
treatable

**C46400**

Naval  
Brass, Non-heat  
treatable

**C67300**

Manganese  
Bronze, Heat  
treatable

**A91100**

Wrought Aluminum  
Alloy, Non-heat  
Treatable

**A92014**

Wrought Aluminum  
Alloy, Heat  
Treatable

**A92219**

Wrought Aluminum  
Alloy, Heat  
Treatable

**A96061**

Wrought Aluminum  
Alloy, Heat  
Treatable

**A97075**

Wrought Aluminum  
Alloy, Heat  
Treatable

**A97175**

Wrought Aluminum  
Alloy, Heat  
Treatable

# Which Wieldaloy forging process is right for you?

1

## Open Die Forging

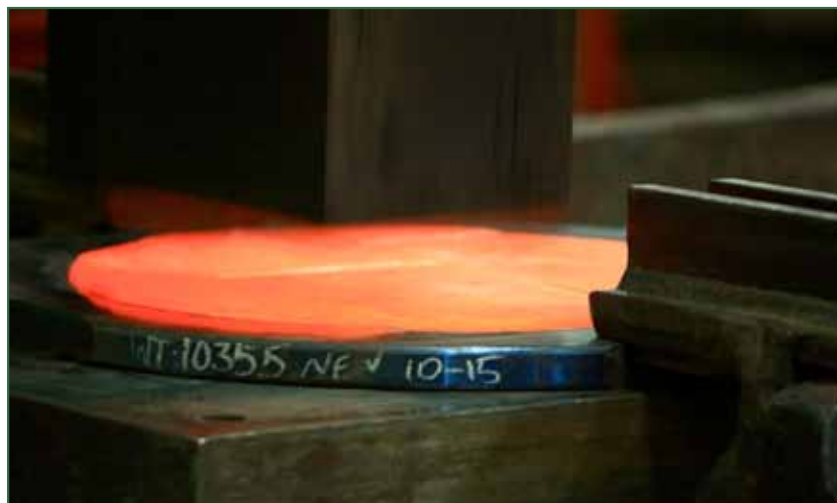
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Larger sizes

Lower quantities

Low cost

Flexible



2

## Rolled Ring Forging

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Small to medium sized rings

Higher quantities

Repeat orders

Cost savings/less raw material needed



3

## Closed Die Forging

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Smaller sizes

Higher quantities

Dimensional tolerances important

Cost savings/less raw material needed



# Machining Capabilities

Copper alloys have an inherently low machinability rating (typically 20%), which can cause difficulty for many suppliers in producing parts. With 70 years of experience, Weldaloy has developed the skill and expertise to offer a variety of processing techniques with non-ferrous materials.

## Our size range capabilities include:

- Turning up to 72" in diameter
- Milling up to 39"W x 30"H x 84"L

As always, Weldaloy offers flexibility for our customers by providing rough machining with stock allowance for your final machining operation, or by machining your final products with precise tolerances to meet your drawing requirements.

72"

Diameter  
Turning

Milling up to  
39"W x 30"H x 84"L



Interested in receiving a quote or  
talking with a representative?

Give us a call at 1-(888)-WELDALOY.

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