

All Metals & Forge Group Includes Rough Machining to 250 RMS on Every Open-Die Forging Order

Forged parts delivered within 3 millimeters of finished dimensions help machine shops reduce machining time and tooling costs.

FAIRFIELD, NJ, UNITED STATES, August 11, 2026 /EINPresswire.com/ -- All Metals & Forge Group (AMFG), a leading manufacturer of [open-die forgings](#) and seamless rolled rings, announces that rough machining to a surface finish of 250 RMS is included as a standard value-added service on every forging order.

AMFG also supplies each forged component machined to within 3 millimeters of the customer's finished dimensions. This additional processing provides [machine shops](#), OEMs, and industrial manufacturers with a part ready for final machining.

Most forging suppliers deliver parts in an as-forged condition, leaving the customer responsible for removing scale, excess stock, surface irregularities, and decarburized material. That additional work consumes valuable machine capacity, increases tooling wear, requires more labor, and can add significant time and expense to the production process.



All parts are rough machined to 250 RMS or better.



Custom Open-die Forge Parts

By completing the rough-machining stage before shipment, AMFG removes much of that burden.

“Machine shops should not have to spend valuable production time removing excessive material before they can begin precision machining,” said All Metals & Forge Group’s General Manager, Jeff Klein. “By supplying every forging rough-machined to 250 RMS and within 3 millimeters of finished dimensions, we help customers move into final machining faster, improve material utilization, and reduce the total cost of producing each finished component.”

Reducing the True Cost of a Forged Component

The purchase price of a forging accounts for only a portion of its total manufacturing cost. An as-forged component may require extensive setup time, heavy material removal, additional machine hours, more cutting tools, and increased handling before precision finishing can begin. AMFG’s near-net rough-machining service helps reduce these downstream costs by delivering a component with substantially less excess material.

For machine shops and manufacturers, the benefits may include:

- Fewer machining hours required to reach final dimensions
- Reduced cutting tool wear and replacement costs
- Lower labor requirements
- Faster movement through the production schedule
- More predictable estimating, scheduling, and job costing
- Reduced risk of discovering surface-related issues late in production

Delivering forgings within 3 millimeters of finished dimensions also allows customers to focus their equipment and skilled personnel on precision finishing rather than time-consuming bulk material removal.

A More Production-Ready Open-Die Forged Part

Rough machining improves more than production efficiency. It also creates a cleaner, more consistent surface for dimensional inspection and nondestructive testing. AMFG rough machines forged components after forging to remove scale and again after heat treatment to remove the



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decarburized surface layer. The resulting 250 RMS surface condition supports accurate ultrasonic examination and gives customers a part that is easier to inspect, handle, and move into final production. Every AMFG forging is also ultrasonically examined in accordance with [ASTM A388/A388M](#) by qualified in-house nondestructive testing personnel. Together, rough machining and ultrasonic testing provide customers with a more thoroughly inspected and production-ready component before it leaves the manufacturing facility.

Helping Machine Shops Increase Capacity

For machine shops operating near full capacity, reducing unnecessary material removal can have a measurable impact on productivity. Every hour spent roughing an oversized forging is an hour that cannot be used for precision machining, additional customer work, or higher-value production.

AMFG's standard rough-machining service effectively transfers that preliminary work away from the customer's shop floor. This can help manufacturers complete jobs faster, quote projects more competitively, and accept additional work without investing in more machinery or labor. The service is particularly valuable for large forgings, complex shapes, short production runs, one-off components, and projects involving difficult-to-machine alloys.

AMFG manufactures open-die forgings and seamless rolled rings in carbon steel, alloy steel, stainless steel, tool steel, aluminum, titanium, nickel alloys, and other specialty materials. Available forged shapes include shafts, step shafts, gear blanks, discs, hubs, blocks, sleeves, cylinders, rings, and custom configurations. Additional machining to surface finishes of 125 RMS, 64 RMS, 32 RMS, or 16 RMS is also available for customers requiring components closer to their final production specifications.

Request a Quote for Your Next Forging Project

Manufacturers purchasing open-die forged components should evaluate more than the initial price of the part. A forging delivered rough-machined, ultrasonically tested, and close to finished dimensions can provide substantial savings throughout the remainder of the manufacturing process.

To discuss an upcoming project, contact All Metals & Forge Group at sales@steelforge.com or submit an RFQ at steelforge.com.

About All Metals & Forge Group

All Metals & Forge Group is a manufacturer of custom open-die forgings and seamless rolled rings for critical industrial applications. The company supplies forged components in a broad range of materials, sizes, and configurations to machine shops, original equipment manufacturers, and industrial customers.

AMFG provides value-added services designed to reduce customer processing time and improve quality, including rough machining to 250 RMS, machining to within 3 millimeters of finished dimensions, ASTM A388/A388M ultrasonic testing, heat treatment, and finished machining.

Jeff Klein

All Metals & Forge Group

+1 800-600-9290

sales@steelforge.com

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