



ARCONIC



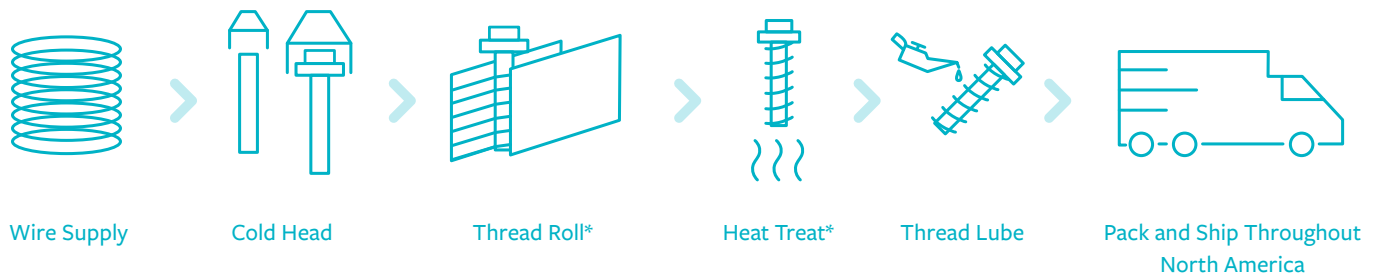
Arconic Enduralum™
Strong, Lightweight
Made in the U.S.

Introducing Arconic Enduralum™

Lightweight Innovation

Our latest engineered innovation in Arconic technology is Enduralum™, an incredibly strong, yet remarkably lightweight, aluminum fastener designed for thermal and galvanic compatibility with next-generation aluminum and magnesium castings in automotive powertrains. The super lightweight, heat-treated AA 6056 Alloy of Enduralum helps to reduce overall weight while maintaining a reliable clamp load.

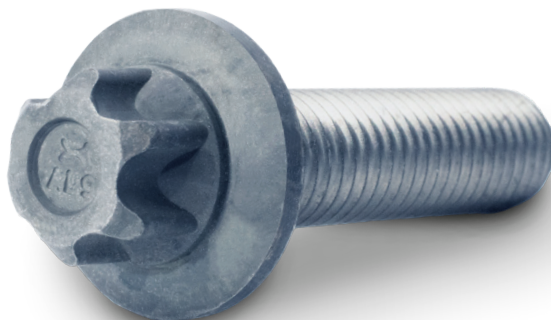
Manufactured in our vertically-integrated US plant with a Class I continuous aluminum heat-treating furnace, Enduralum fasteners are ready for just-in-time deliveries throughout North America.



*Thread Roll and Heat Treat processes are interchangeable based on specified temper.

Highest level of quality control through wire-to-box manufacturing.

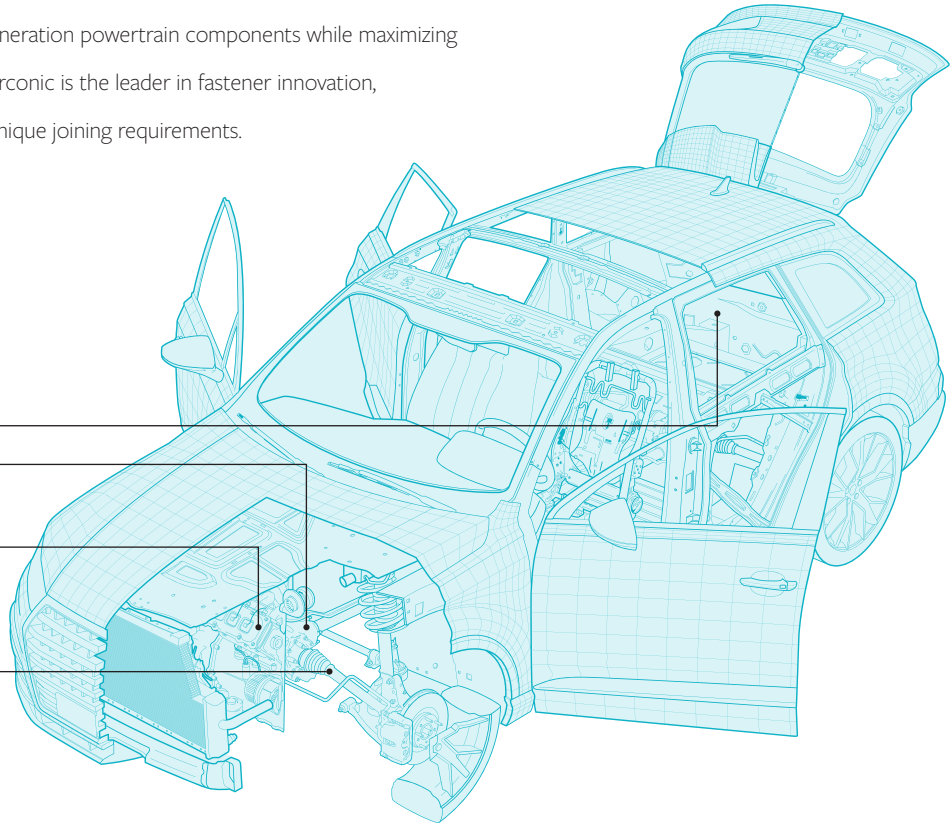
- Class I continuous aluminum heat treat furnace (**currently only US manufacturer**)
- In-house design and prototyping capabilities
- One source manufacturer that can provide a custom solution for your fastener application



Applications

Enduralum is specially designed to join next generation powertrain components while maximizing joint strength and minimizing vehicle weight. Arconic is the leader in fastener innovation, developing highly-effective solutions to your unique joining requirements.

- Hybrid battery assemblies
- Transmission and transfer case internal and external assembly
- Engine assembly
- Powertrain cover and subcomponent attachment



Data and Dimensions

Tensile strength (Rm): 420-460 MPa

Yield strength (Rpo.2): 380-410 MPa

Elongation (Af): >12% on fully threaded fastener

Diameters: M6, M8, M10, M12

Lengths: 25mm-85mm

T6 or T9 thread condition

Available in external hex, internal 6-lobe and external 6-lobe head styles

Licensed MATHread manufacturer



Arconic Fastening Systems



Arconic Inc. (NYSE: ARNC) creates breakthrough products that shape industries, providing solutions to complex engineering challenges to transform the way we fly, drive, build, and power. Combining ingenuity and advanced manufacturing, we deliver products that meet the challenges and demands faced by our customers.

Arconic Fastening Systems, formerly Alcoa Fastening Systems & Rings, is a global leader in fastening technology. Offering the greatest breadth and depth of fastening system solutions in the industry, Arconic continues to reflect the same commitment to product quality and support that customers have come to expect. To serve its growing market, Arconic Fastening Systems maintains corporate offices worldwide. In addition, Arconic distributors are located in many key industrial centers throughout the world, providing a ready supply of fasteners, installation tools, tool parts, and application assistance.

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