

# Rod and Wire

Rhenium  
Molybdenum–Rhenium  
Tungsten–Rhenium  
Molybdenum  
Tungsten

## Rod and Wire that Redefine Performance

Introducing your prime source for high performance refractory metal Rod and Wire products, with a broad range of sizes and customized solutions. Rod (bar) sizes up to 6" in diameter. Wire down to .001" — and everything in between.

Featuring precise metallurgy, manufacturing and finishing processes — only from Rhenium Alloys.

Delivering new customer-specific material solutions that optimize your products to give you a competitive advantage.

### Rod Products

Pure Rhenium Rod (99.99% pure), offers high ductility and strength, designed for various applications such as satellite positioning nozzles, aerospace propulsion components and other demanding parts that must withstand extreme thermal shock, high temperature and stress applications.

Molybdenum–Rhenium and Tungsten–Rhenium alloys serve a wide range of applications in electronics, furnace, joining, and aerospace industries. Precise alloying of Rhenium with these other refractory metals adds both ductility and strength to suit customer specifications.

### Wire Products

Rhenium Alloys provides a wide range of Wire products to serve applications in major electronics products, thermocouples, high temperature furnace parts, and welding requirements. Our Rhenium Wire is 99.99% pure and has high strength and excellent ductility. Molybdenum–47.5%–Rhenium Wire is used in welding, electronics and wire mesh grids for the space industries. Tungsten–Rhenium Wire is a staple in thermocouples and electronics products. All Wire compositions are available in a full range of sizes to meet your requirements.



Advanced manufacturing and metallurgy sets Rhenium Alloys apart.

### Industries Served

- Aerospace
- Military
- Automotive
- Electronics
- Process Controls
- Heating
- Power Generation
- Medical Devices

### Uncompromising Quality

- Performance
- High Strength
- Reliability



TF: 888-RHENIUM (888-743-6486) PH: 440-365-7388 FX: 888-366-9830  
*Yesterday's Pioneer, Today's Leader.* [rhenium.com](http://rhenium.com)



## Tungsten Filaments

### The Right Selection of Tungsten Metalizing Filaments for Your Thin Film Coating Needs

Rhenium Alloys is a major supplier of Tungsten Filaments to the vacuum metalizing and evaporation industries. They are engineered to provide reliable thin film coatings on automotive lamp reflectors, and various decorative applications in appliances, specialized machinery, cosmetics and more.

We offer coils in a wide variety of designs: single strand, three strand, with or without aluminum core, and open or closed lay. In addition to the popular “Z” leg coil, we provide many other styles, including helix configurations and conical and cylindrical basket designs.

The standard wire size is 3/030, but many other sizes are readily available.

The extreme high quality of our Tungsten Filaments provides excellent uniform thermal conductivity, ensuring reliable performance and long life. Additionally, we offer expert on-site technical service when and where you need it.

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**Quality. Performance. Service. On-time delivery.**  
**That's the Rhenium Alloys difference.**

Contact your Rhenium Alloys representative for your specific needs.



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