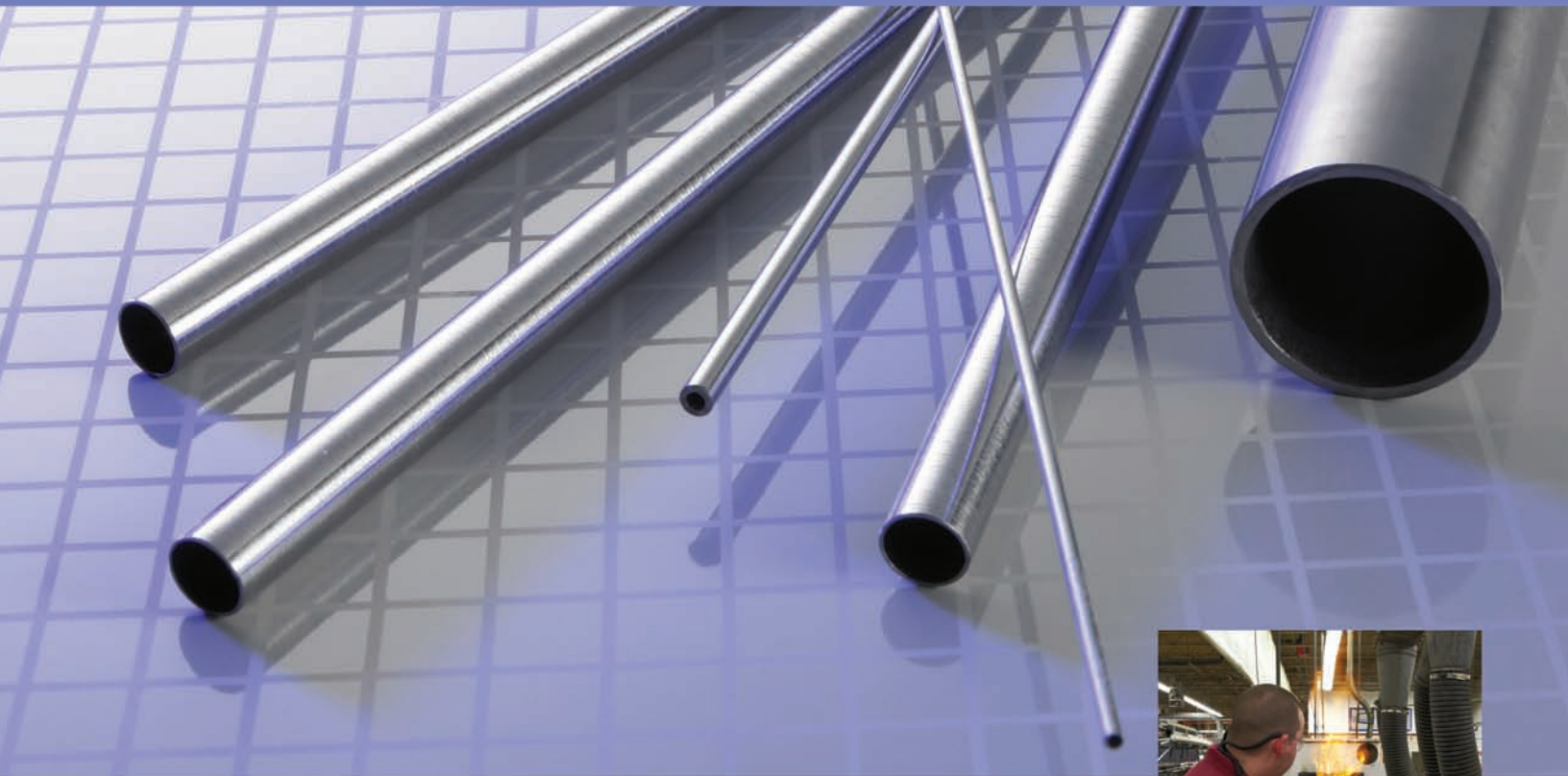


# Tubing

Molybdenum  
Molybdenum Alloys  
Molybdenum-Rhenium



## Seamless Tubing That Sets The Industry Standards

Precision tubing that provides extreme high strength and rigidity at temperatures up to 3000° F (1648° C). Durability that withstands high stress, extended temperature ranges, sudden temperature changes and harsh environments.

Thin walls that deliver unmatched temperature accuracy.

All this, and more, in a broad range of tubing lengths and diameters with superb finishes – available in both powder metal and low carbon arc cast forms.

Seamless Molybdenum and Molybdenum-Rhenium Tubing ... only from Rhenium Alloys. Customized to meet exact specifications for the most demanding applications.

### Molybdenum Tubing

Molybdenum is a soft, ductile refractory metal that is ideal for thermocouple sheaths, especially when used in very high heat conditions. Molybdenum Tubing is also specified for electrical, electronic, and semiconductor applications.

### Molybdenum-Rhenium Tubing

Alloying Rhenium with Molybdenum adds both ductility and strength to these tubing products. Additionally, it allows the ability to make precise thin wall tubing that provides more accurate temperature readings – while still exhibiting unparalleled strength.

Molybdenum-Rhenium Tubing is manufactured in a standard alloy of 47.5% Rhenium. It is preferred for many nuclear and aerospace critical applications, advanced electronics, new solar thermal management technologies and select medical device applications.



*Advanced metallurgy and metal-forming is what sets Rhenium apart.*

### Typical Applications

- Thermocouple Sheaths
- Semiconductors
- Electronic Controls
- Medical Devices
- Furnace Parts

### Better Choices

- Wide Range of Sizes
- Tight Tolerances
- Thin Walls
- Custom Specifications
- Speed to Market

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O.D.	Tolerance	I.D.	Tolerance
.020"	+ .001/- .000"	.012"	+/- 10%
.025"	+ .001/- .000"	.015"	+/- 10%
.030"	+ .001/- .000"	.018"	+/- 10%
.035"	+ .001/- .000"	.021"	+/- 10%
.040"	+ .001/- .000"	.024"	+/- 10%
.050"	+ .001/- .000"	.030"	+/- 10%
.050"	+ .001/- .000"	.036"	+/- 10%
.062"	+ .001/- .000"	.036"	+/- 10%
.070"	+ .001/- .000"	.042"	+/- 10%
.075"	+ .001/- .000"	.045"	+/- 10%
.080"	+ .001/- .000"	.048"	+/- 10%
.090"	+ .001/- .000"	.054"	+/- 10%
.110"	+ .001/- .000"	.066"	+/- 10%

O.D.	Tolerance	Wall	Tolerance
.118"	+ .003/- .000"	.021"	+/- 10%
.118"	+ .003/- .000"	.025"	+/- 10%
.125"	+ .003/- .000"	.025"	+/- 10%
.125"	+ .003/- .000"	.020"	+/- 10%
.140"	+ .003/- .000"	.028"	+/- 10%
.187"	+ .003/- .000"	.035"	+/- 10%
.187"	+ .003/- .000"	.030"	+/- 10%
.187"	+ .003/- .000"	.020"	+/- 10%
.187"	+ .003/- .000"	.012"	+/- 10%
.197"	+ .003/- .000"	.024"	+/- 10%
.197"	+ .003/- .000"	.039"	+/- 10%
.250"	+ .003/- .000"	.050"	+/- 10%
.250"	+ .003/- .000"	.035"	+/- 10%
.250"	+ .003/- .000"	.030"	+/- 10%
.250"	+ .003/- .000"	.020"	+/- 10%
.250"	+ .003/- .000"	.010"	+/- 10%
.276"	+ .003/- .000"	.039"	+/- 10%
.312"	+ .003/- .000"	.030"	+/- 10%
.315"	+ .003/- .000"	.040"	+/- 10%
.315"	+ .003/- .000"	.063"	+/- 10%
.375"	+ .003/- .000"	.010"	+/- 10%
.375"	+ .003/- .000"	.025"	+/- 10%
.375"	+ .003/- .000"	.040"	+/- 10%
.375"	+ .003/- .000"	.075"	+/- 10%
.393"	+ .003/- .000"	.039"	+/- 10%
.393"	+ .003/- .000"	.063"	+/- 10%
.400"	+ .003/- .000"	.025"	+/- 10%
.500"	+ .003/- .000"	.030"	+/- 10%
.500"	+ .003/- .000"	.040"	+/- 10%
.625"	+ .003/- .000"	.050"	+/- 10%
.750"	+ .003/- .000"	.050"	+/- 10%
.866"	+ .003/- .000"	.039"	+/- 10%
.875"	+ .003/- .000"	.040"	+/- 10%
1.000"	+ .003/- .000"	.050"	+/- 10%

Additional sizes available upon request



Contact your Rhenium Alloys representative for your specific needs. 888.743.6486



**RHENIUM**  
ALLOYS®

Results. Invented here™

rhenium.com