

Pure Rhenium, Tungsten/Rhenium and Moly/Rhenium Rod

Standard Sizes of Rods

	Diameter Range (in.)	Standard Analysis		
		Re	Mo	W
Pure Rhenium Rod	.100 to .750	99.99%	-	-
Molybdenum/Rhenium Rod	.100 to 1.250	47.50%	52.50%	-
Tungsten/Rhenium Rod	.100 to .500	25%	-	75%
		26%	-	74%

Available in varied larger diameter sizes over .100", each by special order. Lengths made to request. Metric sizes also available. Analysis shown are based on metallic content.

Pure Rhenium, with the benefit of its high ductility, is fabricated into rod to meet the needs of the high tech industry. Based on metallic content, our rhenium rod is 99.99% pure. Tungsten/Rhenium and Molybdenum/Rhenium rods are also available. All perform well under high temperature exposure. Molybdenum/Rhenium has proven particularly successful in the manufacturing of satellite positioning nozzles and other high temperature parts.

All types of rod can be produced in a variety of sizes, lengths and diameters in metric or english units. Diameters range up to 1 1/4". These quality products are ready to be shipped to meet your delivery schedule.

Moly/Rhenium Tubing

Inside Diameter	
(in.)	(mm)
0.020	0.5
0.040	1.0
0.050	1.3
0.062	1.5
0.078	2.0
0.094	2.4
0.109	2.8
0.125	3.0
0.142	3.6
0.153	4.0
0.174	4.4
0.188	4.8
0.200	5.0
0.220	5.6
0.235	6.0
0.250	6.3
0.275	7.0

Standard Wall Thicknesses (in.):

Drawn:
.010, .015, .020, .030 and .040

Swaged and Ground:
.040 to .085

Tubing can be provided with a centerless ground surface or with an "as drawn" condition when requested. There are a variety of hardness and recrystallized structures available.

Precision powder metallurgy techniques produce fine quality seamless Molybdenum/Rhenium tubing for customers worldwide. Thin walled Mo47.5%/Re tubes provide the advantages of high ductility and a high melting point for thermocouple sheaths. Our Mo/Re tubing is also used in electronics, nuclear and space applications.

HeatWave Labs, Inc. specializes in seamless tubing made to specifications below .375" O.D. Mo47.5%/Re tubing can be produced in metric or english sizes. Larger tubes can be made in limited lengths.

