

## Technical Data Sheet

# Tungsten Rod

**Product ID:** 7400RD001 / 7400RD002

**Formular:** W

**Molecular weight:** 183.85 g/mol

**CAS No.:** 7440-33-7

**EINECS No.:** 231-143-9

**Color:** Gray

**Description:** Our tungsten rods feature 99.95% purity and can be customized in various sizes according to customer requirements, offering excellent high-temperature strength as well as good electrical and thermal conductivity.

**Application:** High-temperature heating elements, electrical discharge machining (EDM) electrodes, aerospace components, Semiconductor Manufacturing, etc.

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size
7400RD001	W (99.95%)	Ø 20 mm x 100 mm
7400RD002	W (99.95%)	Ø 20 mm x 150 mm
7400RDDZ	W (99.95%)	Customized

### 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Si	Ni	Ca	Mo	Na
99.95%	≤ 60	≤ 30	≤ 20	≤ 30	≤ 50	≤ 20

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental*

*impurities from 100%. These values do not represent the result of a full elemental analysis.*

### **3. Packaging**

Each rod is individually separated with scratch-resistant soft materials (such as foam or EPE).  
The outer layer is sealed in a moisture-proof or vacuum bag.  
Then placed in a foam-filled carton or wooden box.

### **4. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

### **5. Handling and Storage**

When using, wear clean gloves and operate with clean tools to avoid surface contamination and mechanical damage, especially during high-temperature applications.

Store in a dry, clean, and sealed environment, to prevent oxidation and maintain material integrity.

### **Contact Us**

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