

## Requirement Tungsten Alloy Cylinder

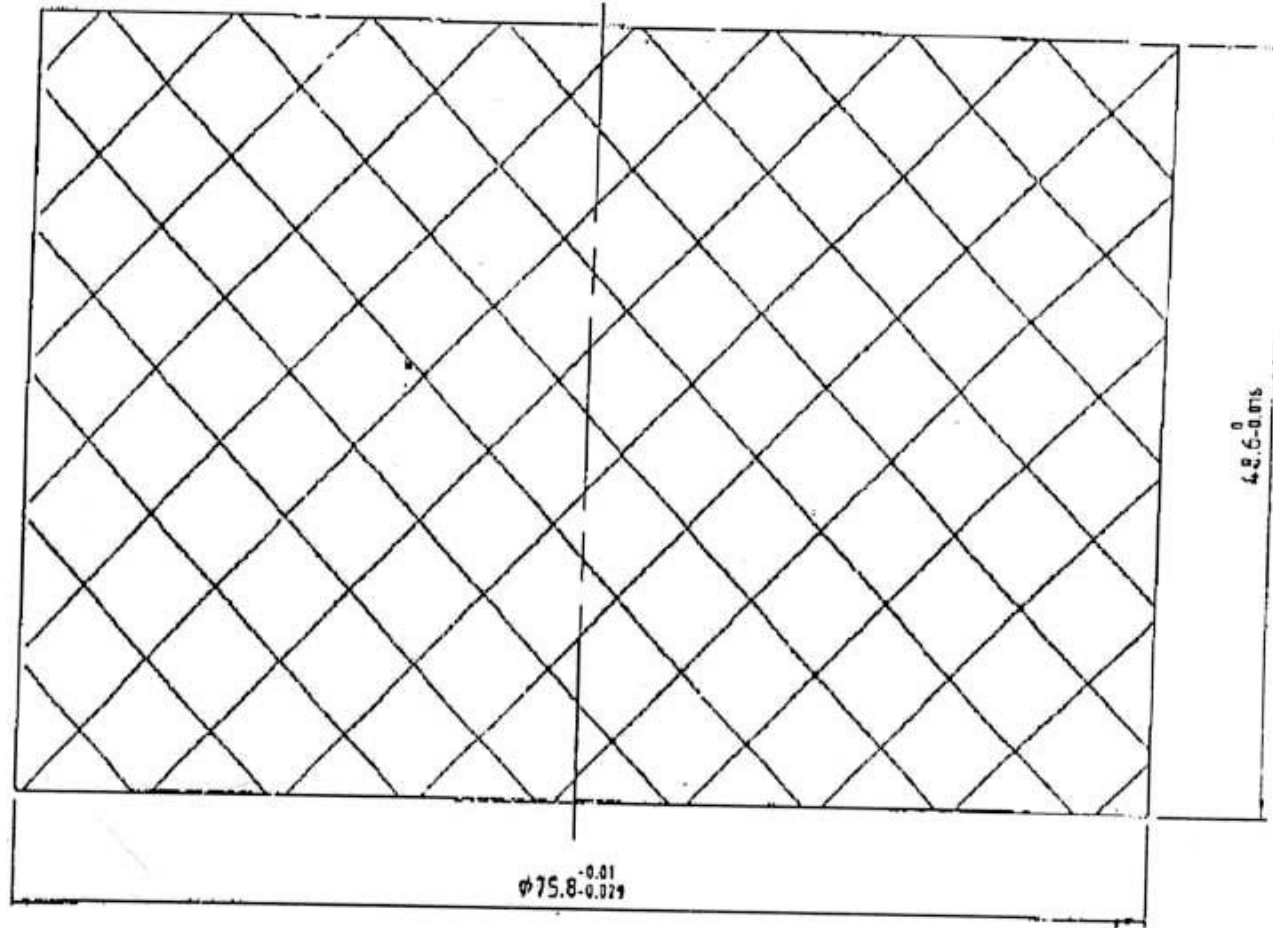
S. NO.	DESCRIPTION	QTY
1.	Tungsten Alloy Metal Fabricated Hollow Cylinder As per drawing – 2/3 Material Composition: 95% Tungsten 3.5% Nickel 1.5% Iron	02
2.	Tungsten Alloy Metal Fabricated Top Lid As per drawing – 1/3 Material Composition: 95% Tungsten 3.5% Nickel 1.5% Iron	02

### Physical Properties of the Tungsten Metal Fabricated Alloy Material

Sr.	Properties	Targeted Value
1	Yield Strength, $\sigma_y$	600 MPa
2	Ultimate Tensile Strength, $\sigma_u$	710 MPa
3	Modulus of Elasticity, E	$3.82 \times 10^4$ MPa
4	Elongation, %	20.8%
5	Density, $\rho$	18.3 g/cm <sup>3</sup>
6	Coefficient of Expansion	$9.4 \times 10^{-6}$ in/in .°F

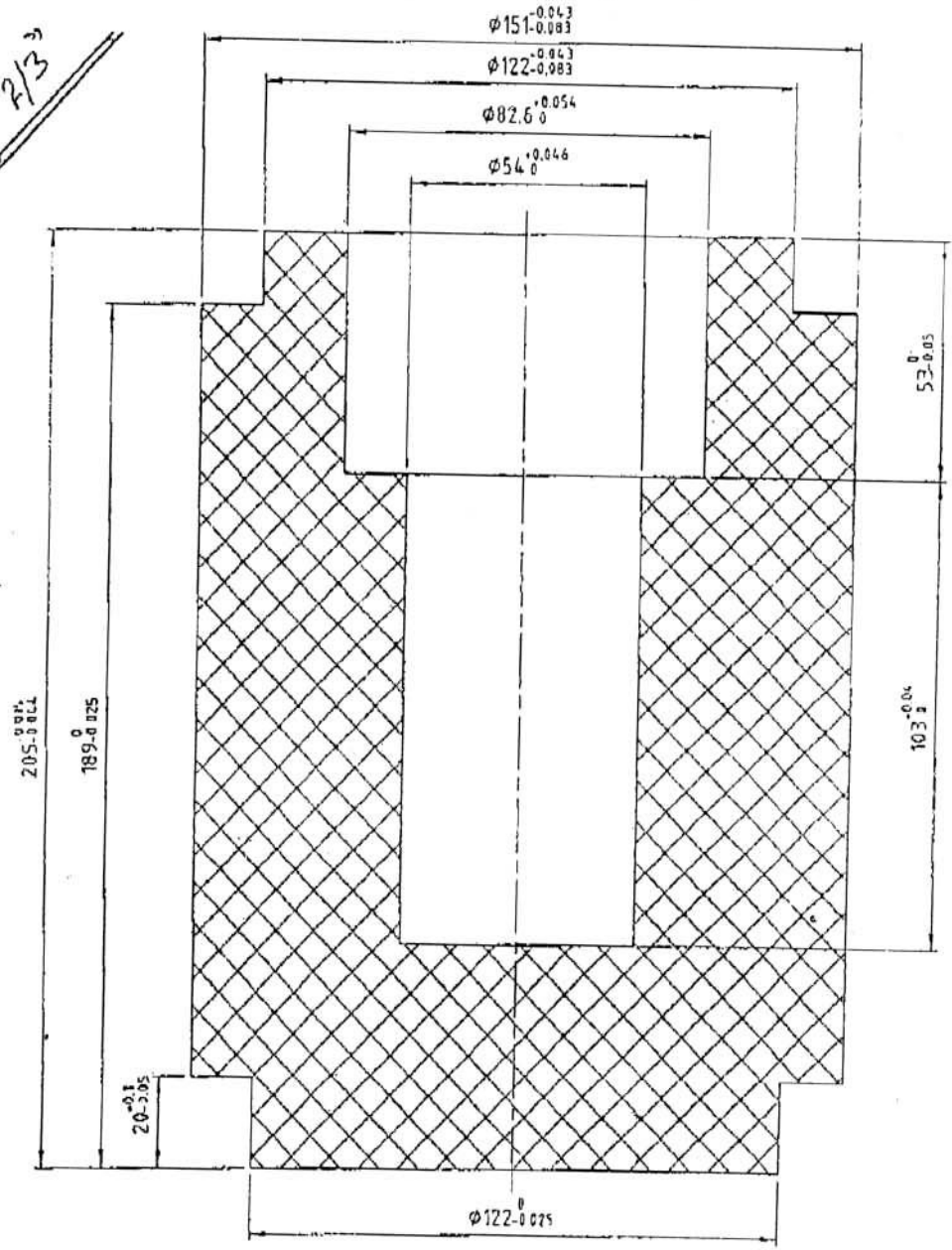
# Tungsten Alloy Fabricated Lid

Drawing <sup>"1/3"</sup>

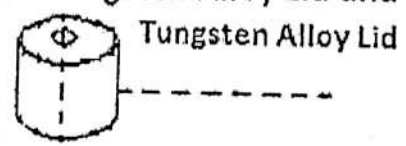


# Tungsten Alloy Cylinder

*Drawing "2/3"*



3D view of Tungsten Alloy Lid and Cylinder



*Drawing "3/3"*

