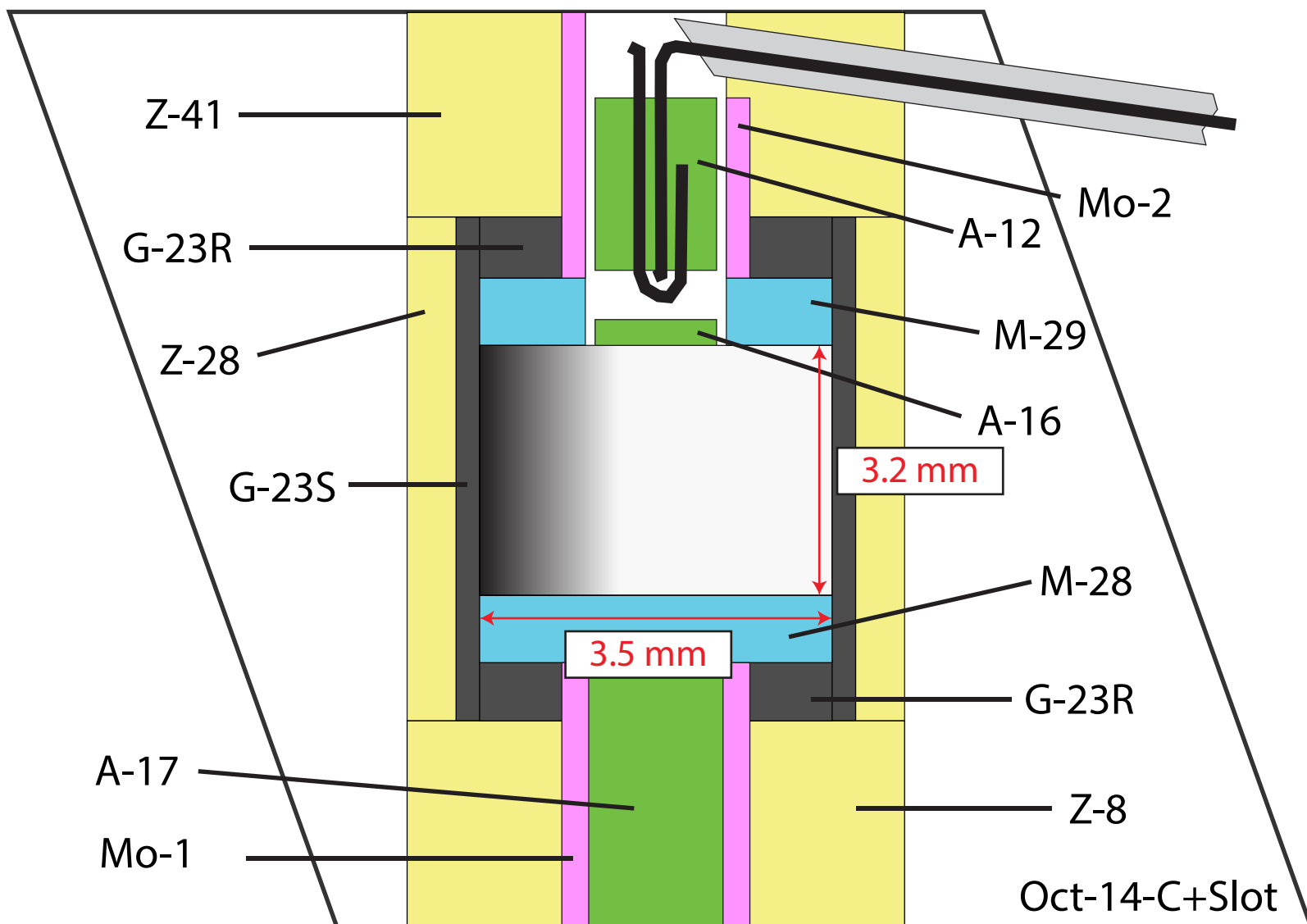
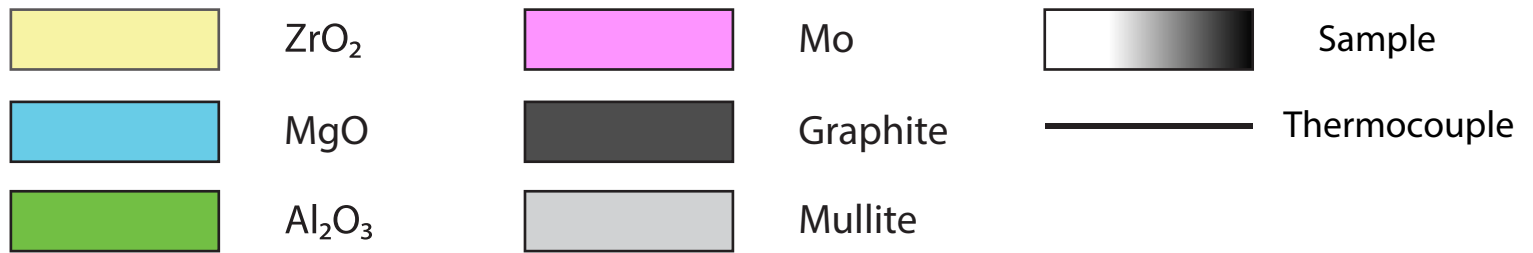


14/8 G2 Assembly (Emil assembly)

Scale 12.5:1



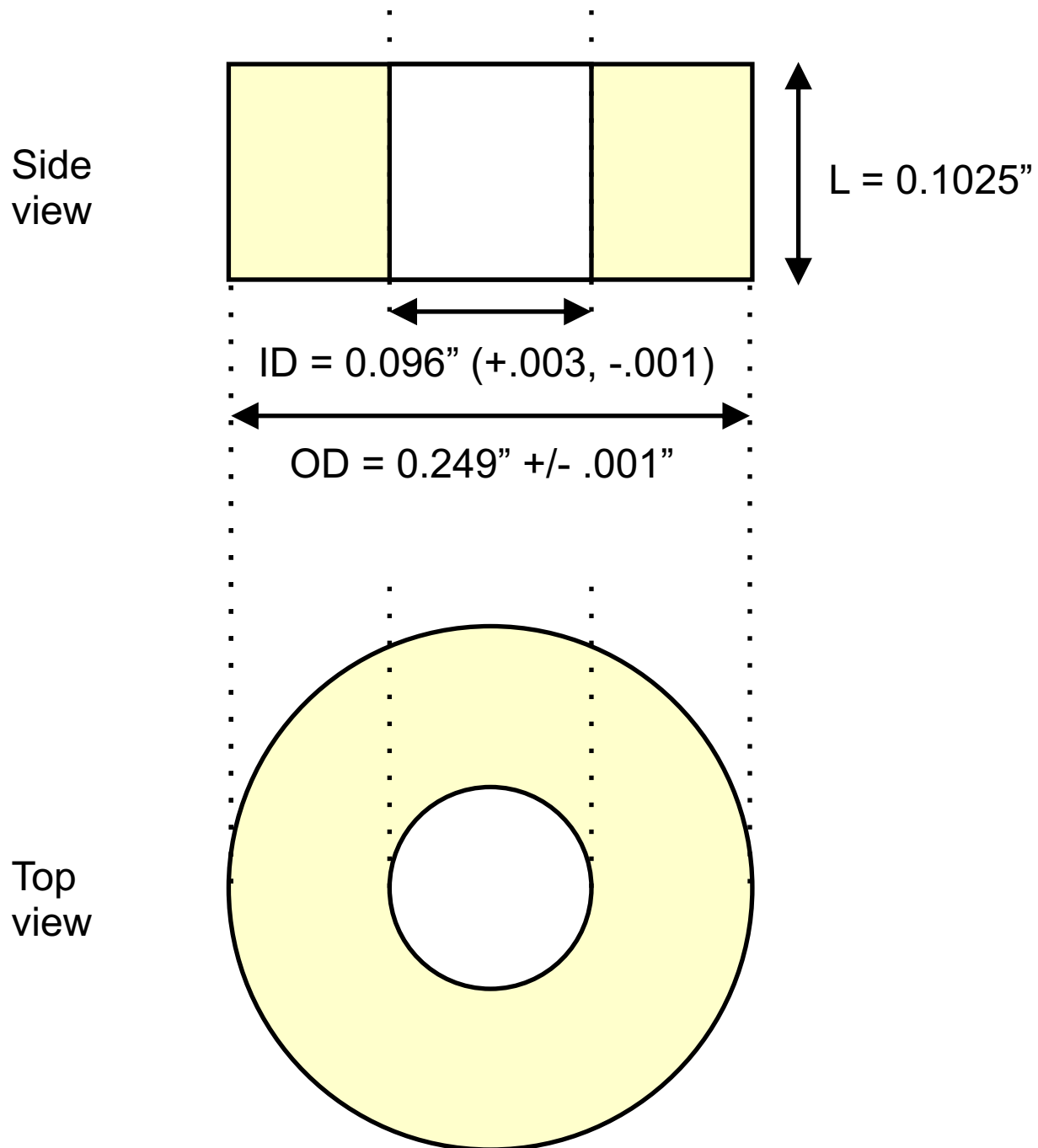
ID of OCT: 6.35mm

1 mm

Sample geometry depends on experiment

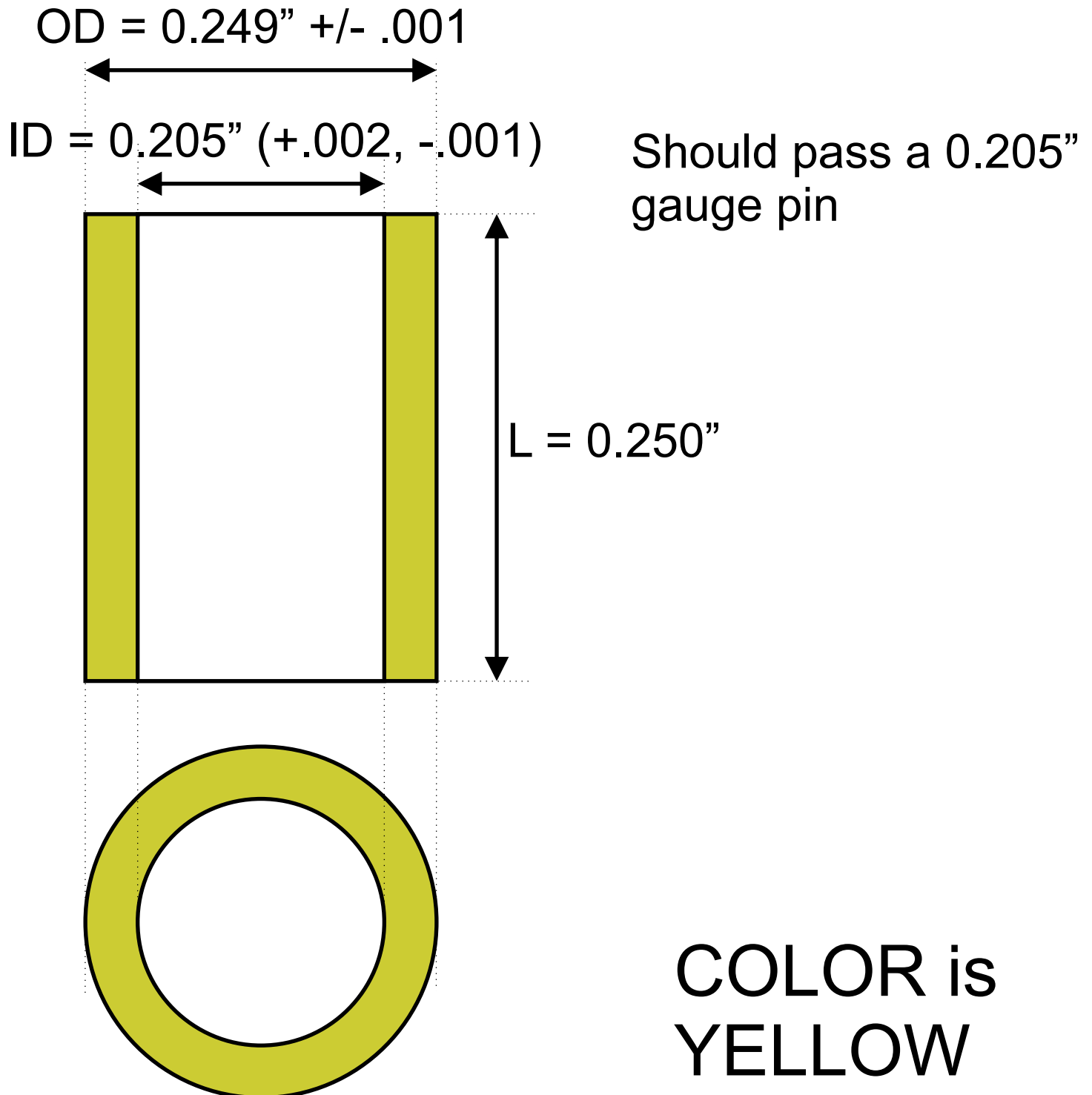
Updated 5/9/2022

ASU zirconia part Z-8.
Bottom end sleeve for 14/8 G2 assembly.
Material: Mino Yogyo Zirconia OZ-8C
Scale: 13:1
Quantity: 600

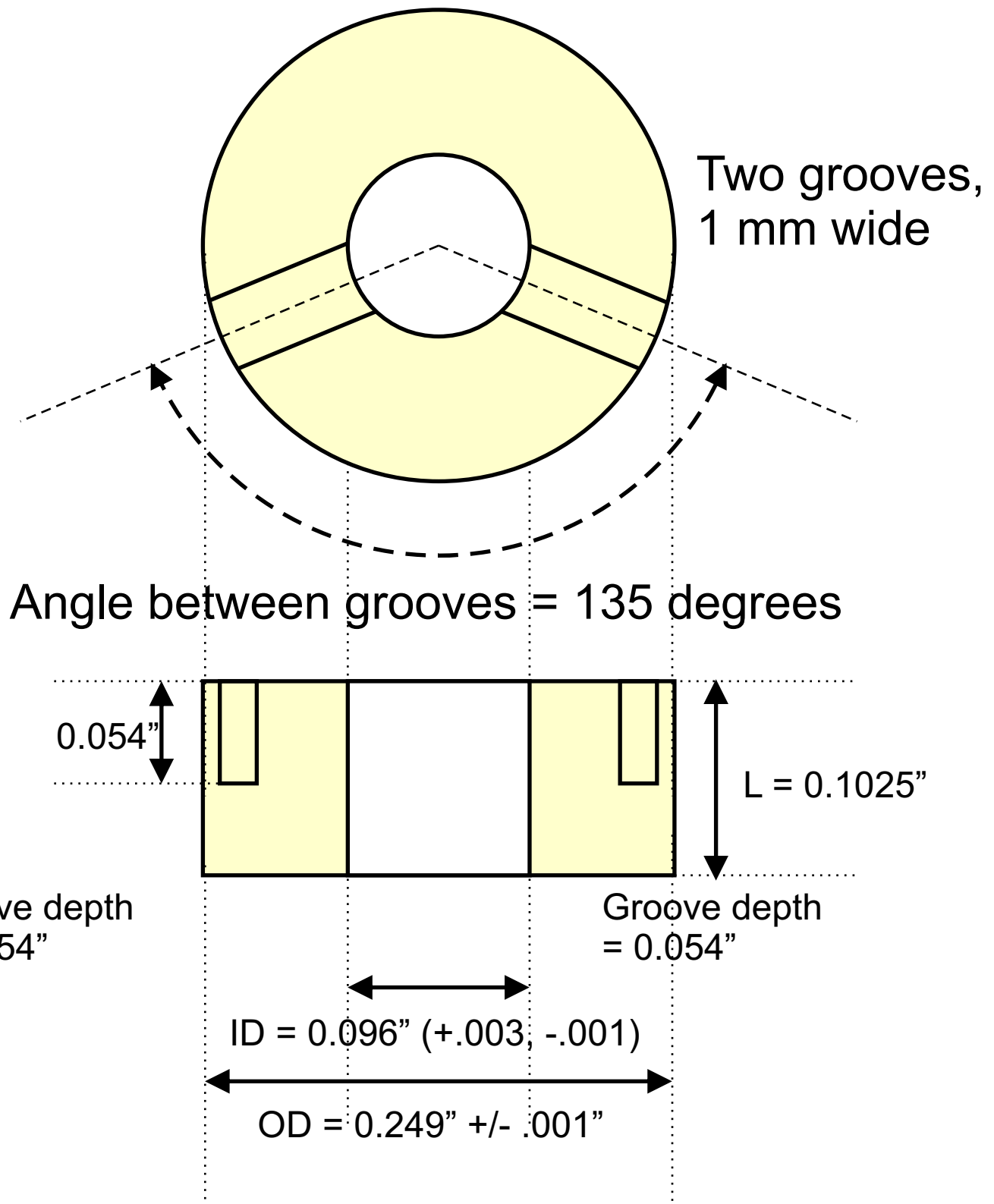


COLOR is LIGHT YELLOW

ASU zirconia part Z-28.
Material: Mino Yogyo Zirconia OZ-8C-HD
Middle sleeve for 14/8 G2 assembly.
Quantity: 600

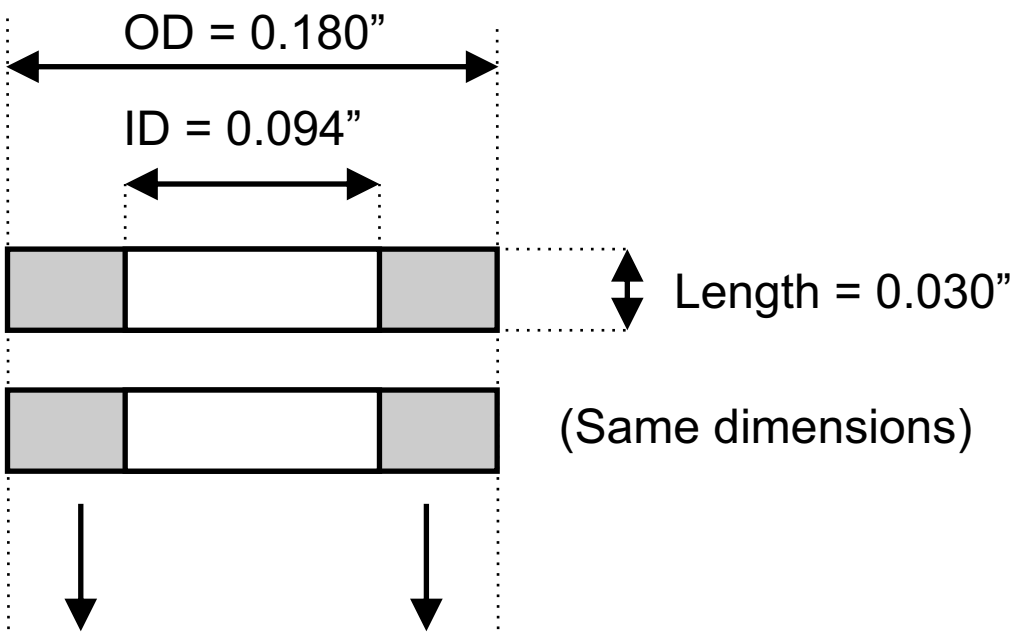


ASU zirconia part Z-41.
Top end sleeve for 14/8 G2 assembly.
Scale: 13:1
Quantity: 3 blocks worth

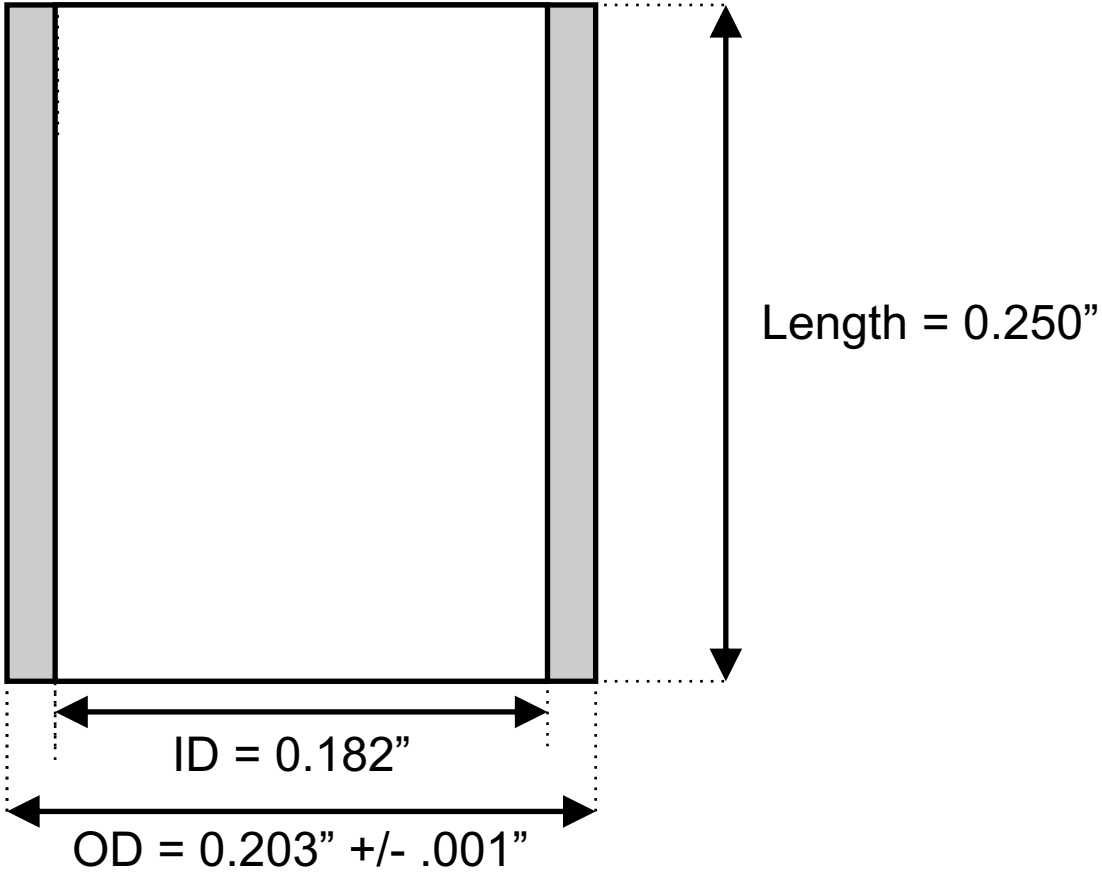


Graphite Part G-23. Furnace and slip-fit inner rings for G2 assembly.
Material: Regular graphite, B325.

Part G-23R:
(2 identical
Inner rings for
top and bottom)



Part G-23S:
(Furnace sleeve)



Part # M-28. MgO solid plug, for 14/8 G2 assembly

Quantity: 2000

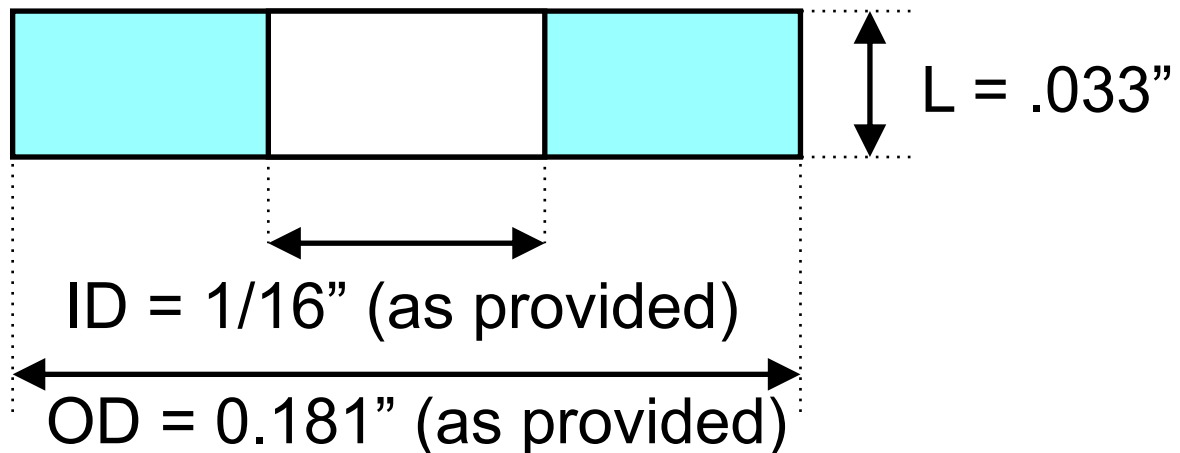
Material: MgO sticks 4" long (quantity 13 sticks).



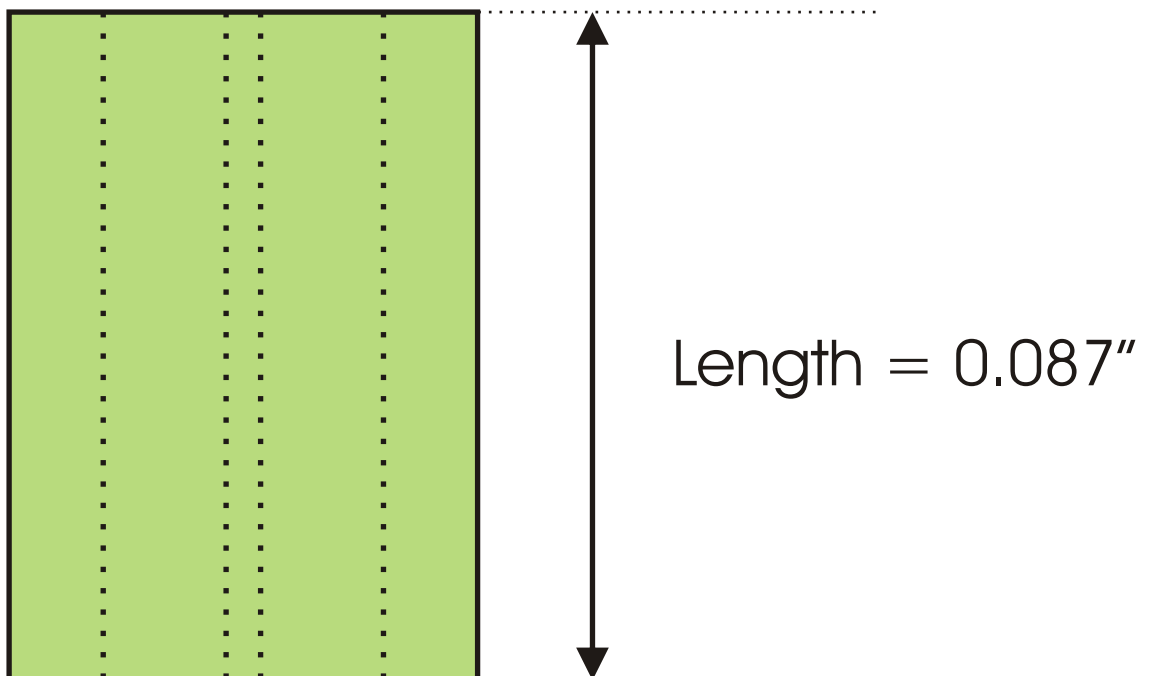
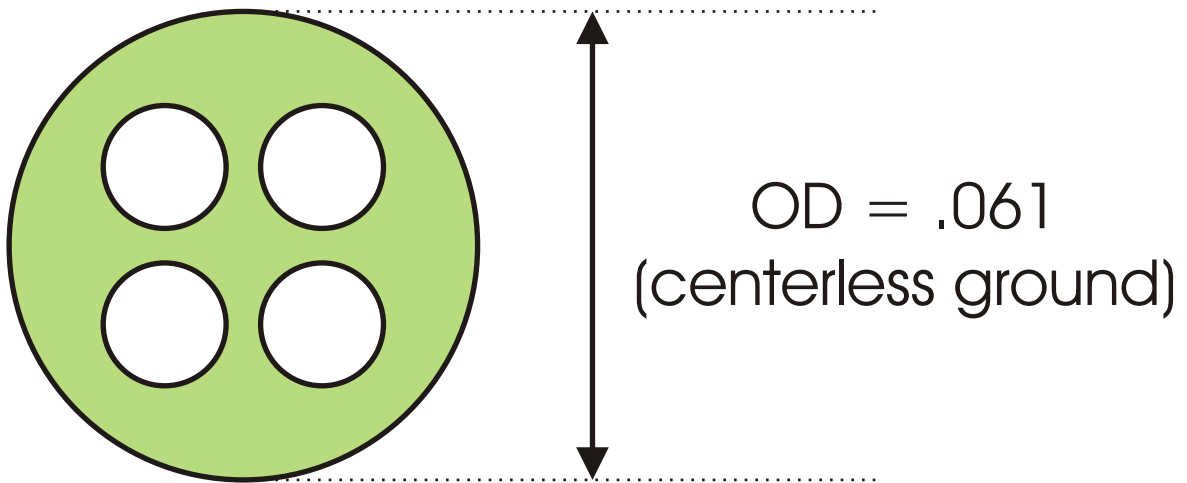
Part # M-29. MgO thermocouple sleeve, for 14/8 G2 assembly

Quantity: 2000

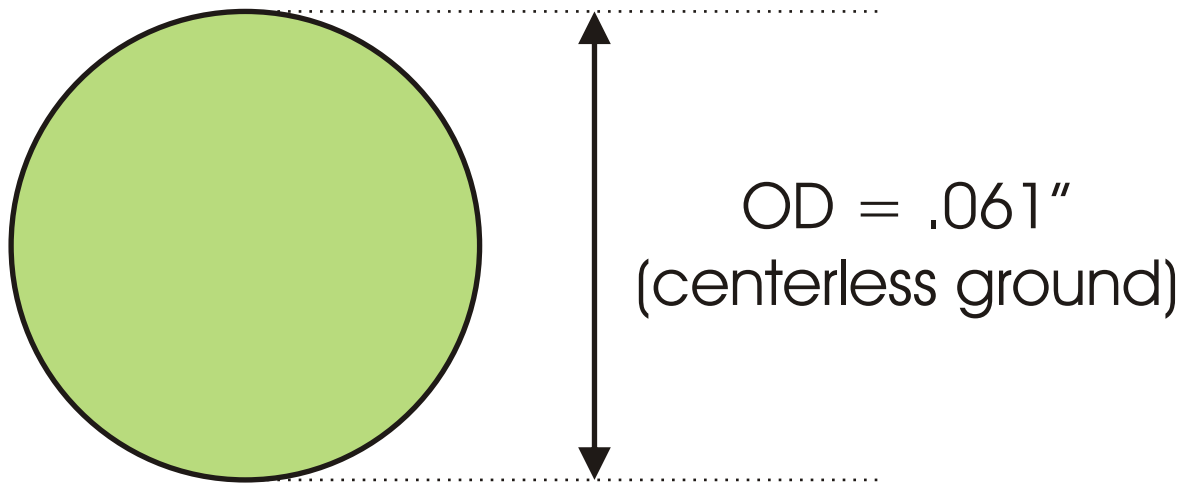
Material: MgO sticks 4" long (quantity 13 sticks).



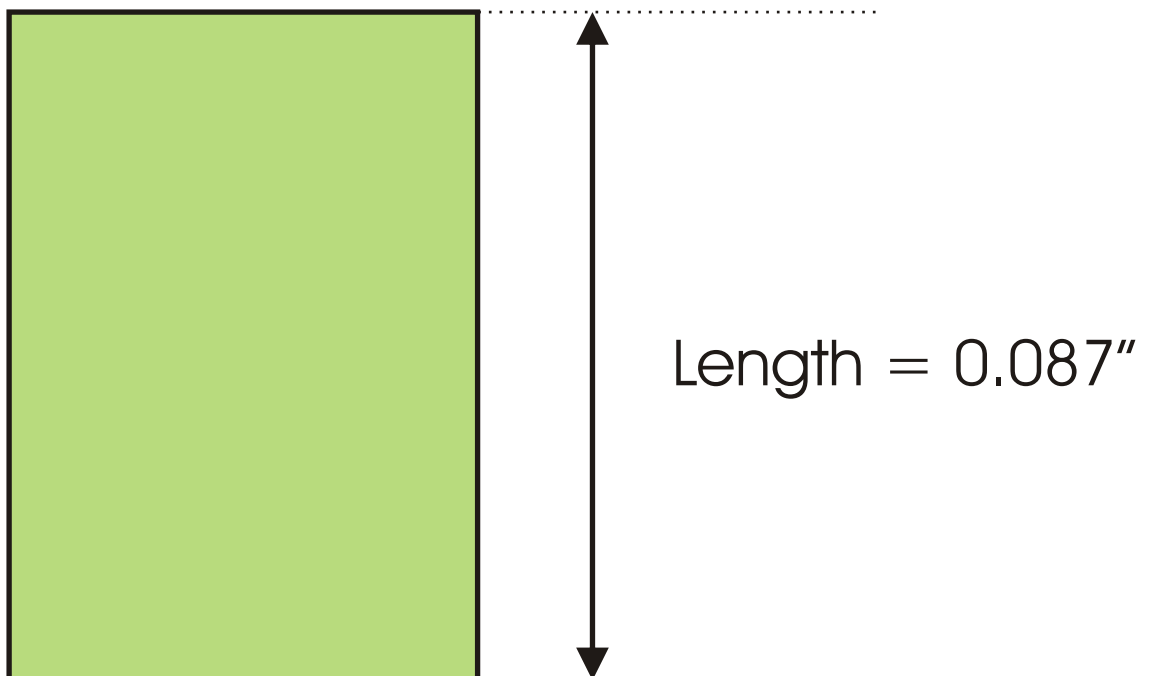
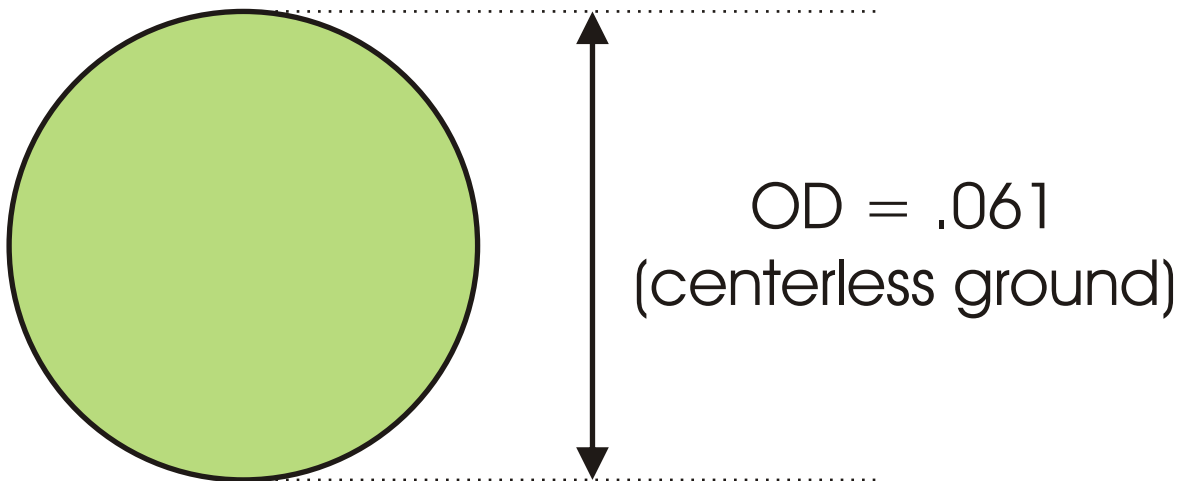
Alumina Part A-1 2:
Thermocouple sleeve for 1 4/8 "G2" assembly.
Scale 40:1
Material: Alumina (Coors) supplied by ASU
Quantity: 1000



Alumina Part A-16:
Thicker alumina sliver for 1 4/8 assemblies.
Scale 40:1
Material: Alumina
Quantity: 1000



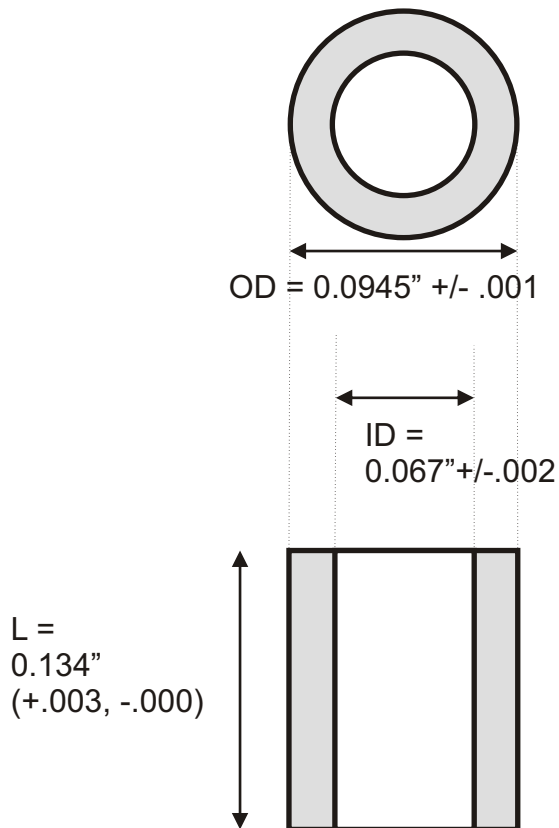
Alumina Part A-17:
Moly stuffer for 1 4/8 "G2" assembly.
Scale 40:1
Material: Alumina
Quantity: 1000



Part Mo-1: Plain moly rings for “G2” assembly (electrical leads)

Quantity: 2000

Material:
molybdenum.

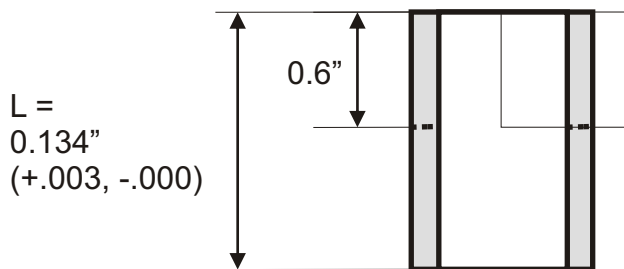
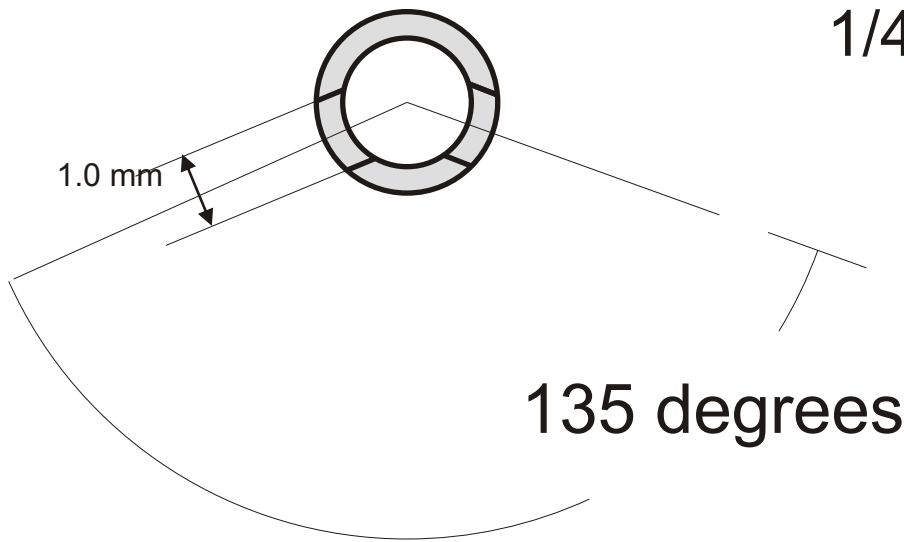


OD = .0945"
ID = .067" (#51)
L = .134" (+.003, -.000)

Snap into graphite furnace cap.
Fits through ceramic end-sleeve.

Part Mo-2: Grooved moly rings for "G2" assembly (scale 10:1)

1/4/20: quantity 300



Round-bottom
groove 1 mm
wide. Central
depth 0.06".

OD = .0945" +/- .001
ID = .067" (#51)
L = .134 inches (+.003, -.000)

Snap into graphite furnace cap.
Fits through ceramic end-sleeve.

Groove: to admit 1/32" mullite
tubing.

A. Detail of groove:

