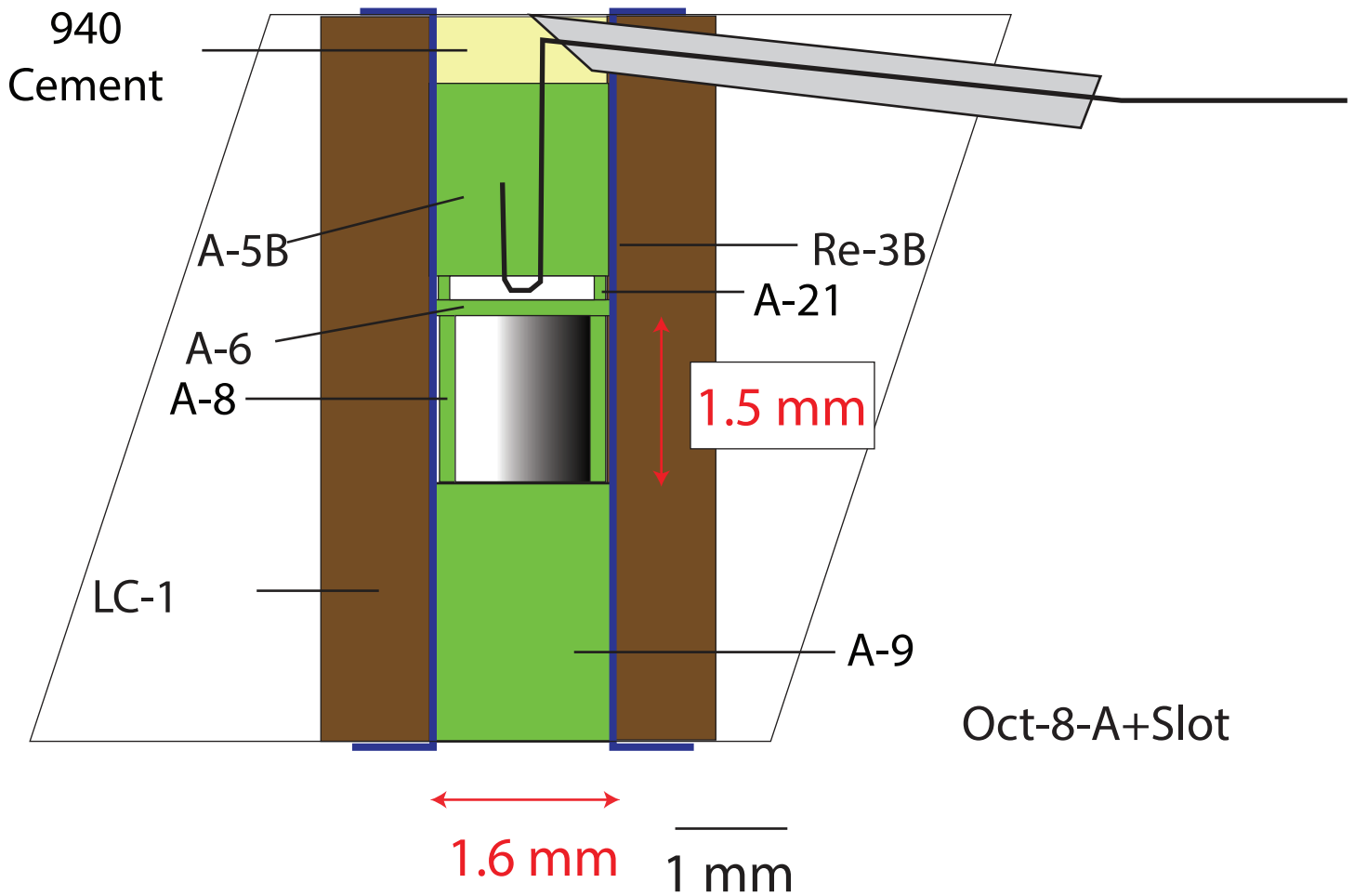
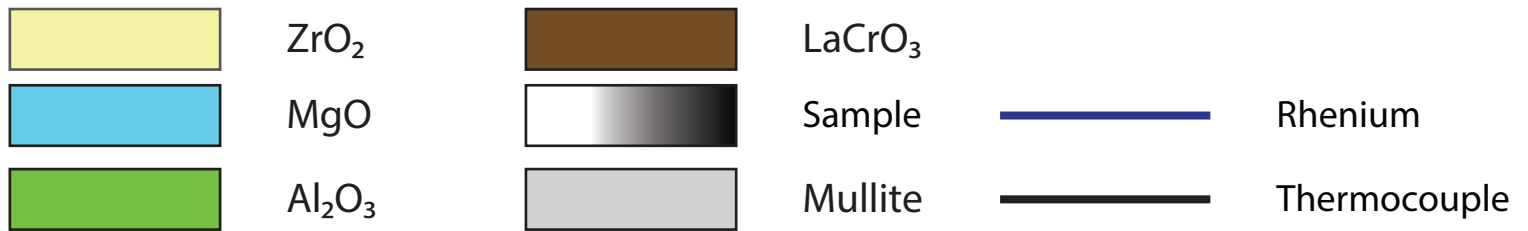


8/3 Standard Assembly

Scale 16:1

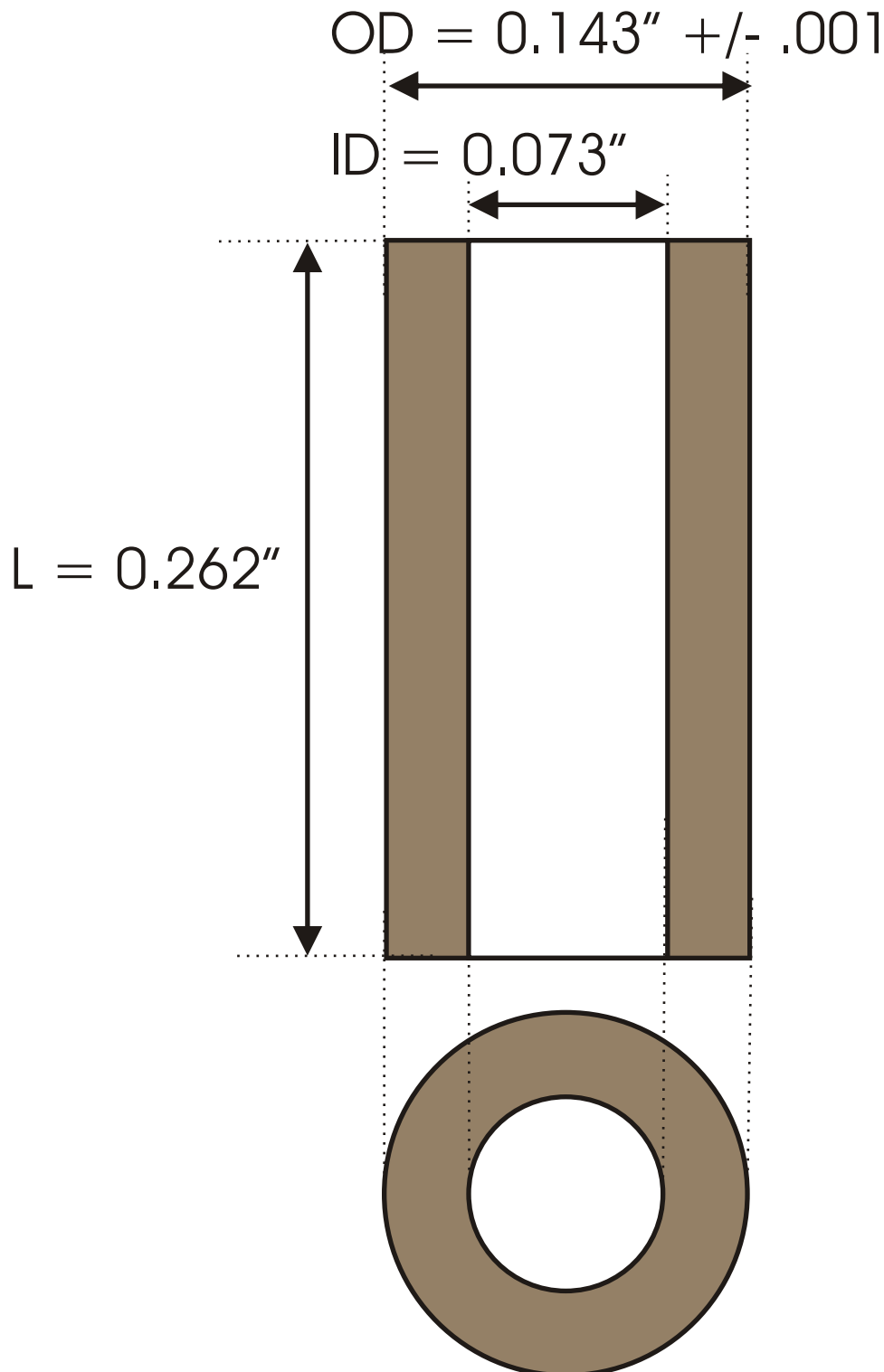


Updated 5/9/2022

Part LC-2A or LC-6: Plain tube
(for 8/3)

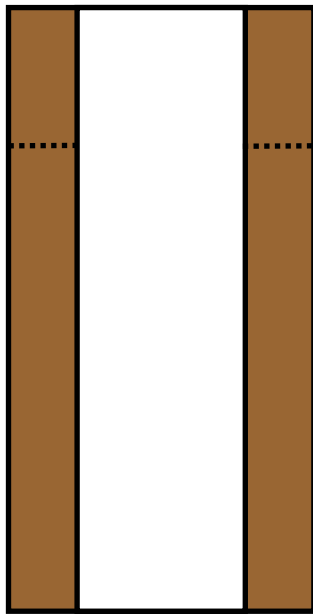
Material: Lanthanum Chromite

COLOR is DARK BROWN



Part LC-1: Sleeve with 2 grooves (for 8/3)
Material: Lanthanum Chromite (8/3 size).
7/13/22.

A groove angle checker is provided for testing the angle of the grooves

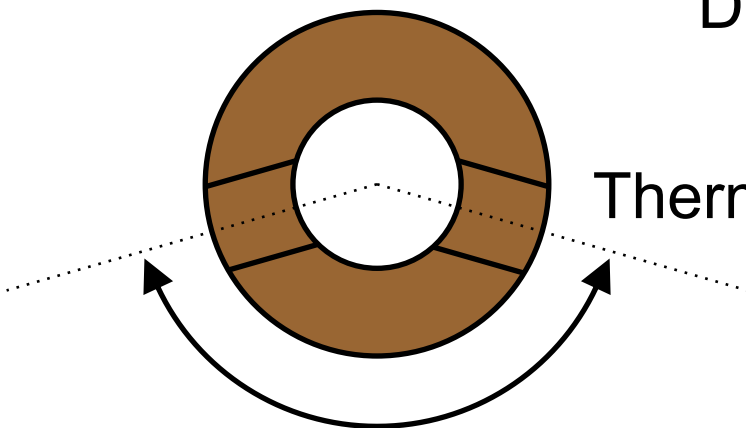


OD = 0.143" +/- .001

ID = 0.073"

L = 0.262"

Two round-bottomed
grooves:
1 mm wide.
148.0 degrees apart.
Depth 0.060"



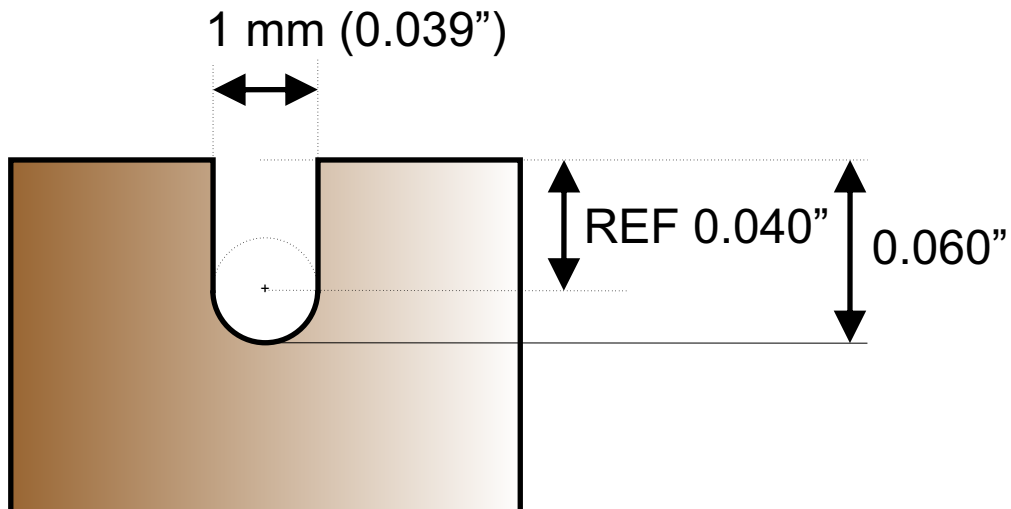
Thermocouple grooves

148.0 degrees

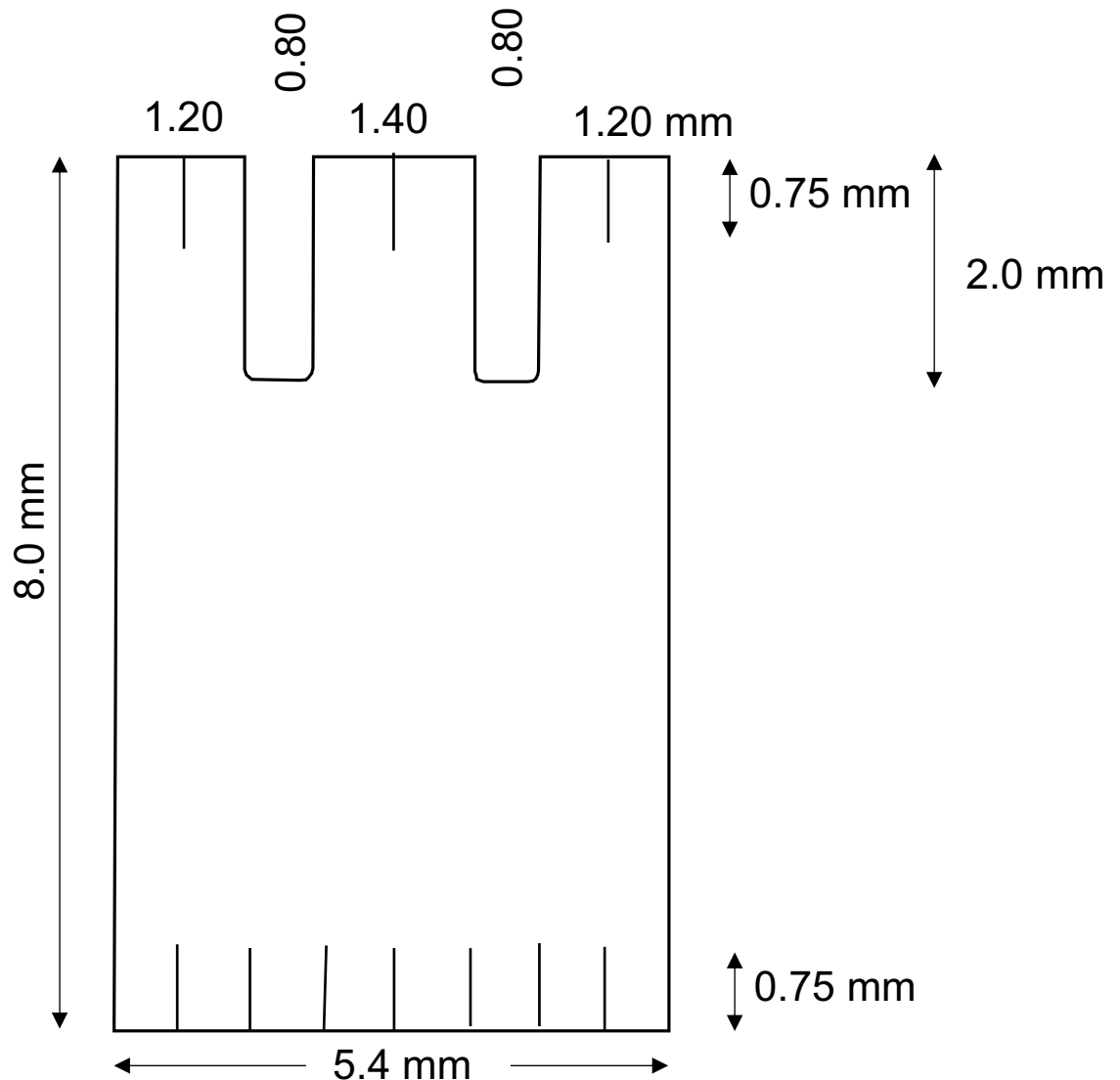
(See detail next page)

Part LC-1 (cont) (page 2 of 2)

A. Detail of groove:



Miniature rhenium furnaces for high-pressure experiments. Design #3B (wider slot, 12/21/07).
320 pieces (8 x 40) cut from a 3 by 10 inch sheet.



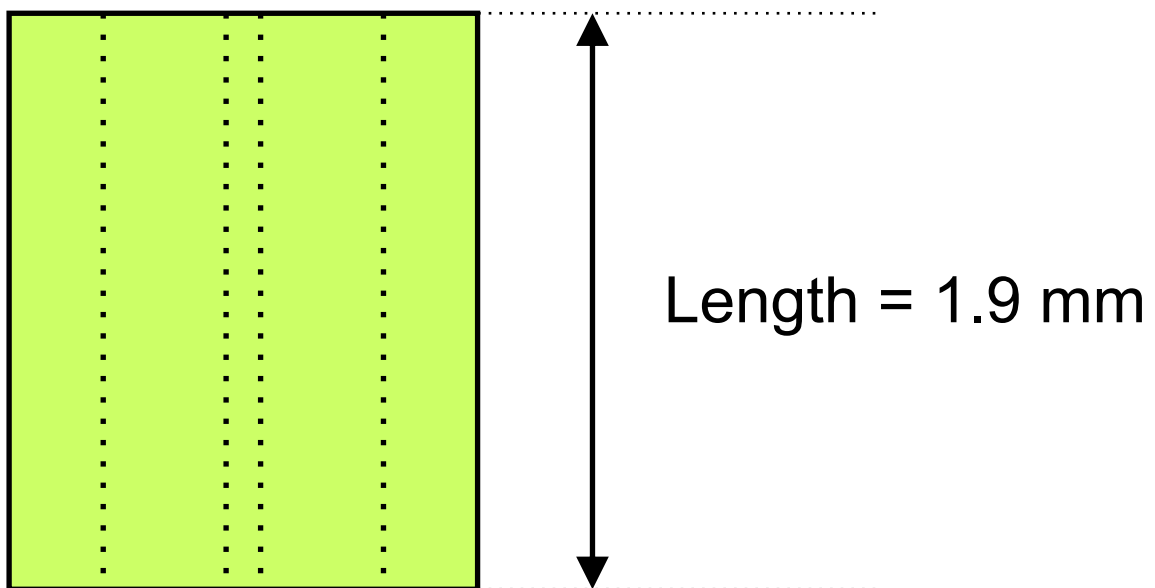
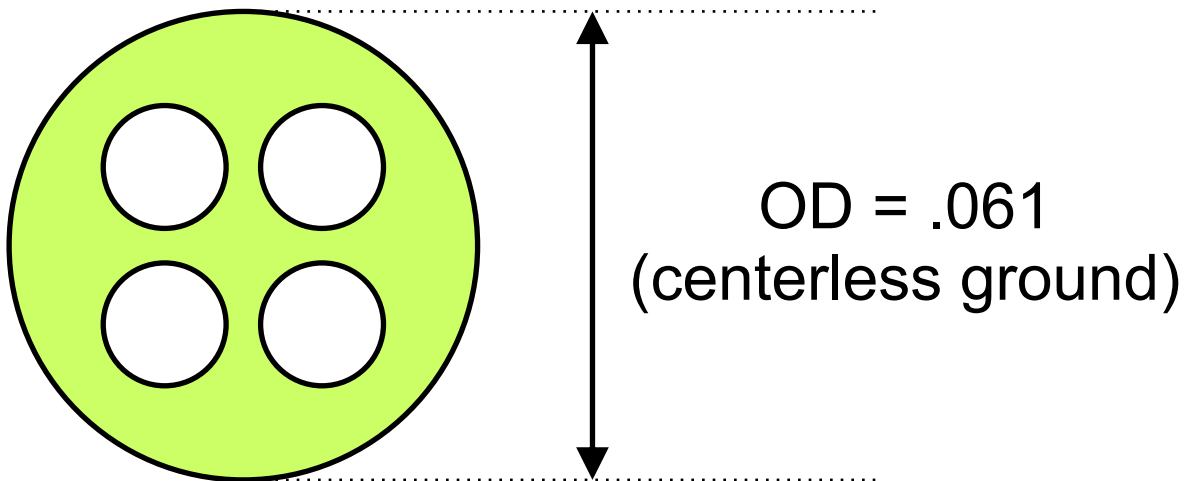
Thickness: 0.0025 inches (Material supplied by the customer).

Two 0.80 mm wide notches on top as shown, 2.0 mm deep with approx. 0.2 mm radius at bottom. 3 slits, 0.75 mm deep, on top between the notches as shown.

7 slits on bottom side, 0.75 mm deep and equally spaced (0.675 mm apart).

All slits are approx 0.003" wide.

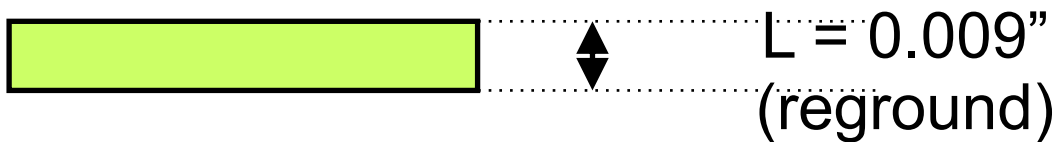
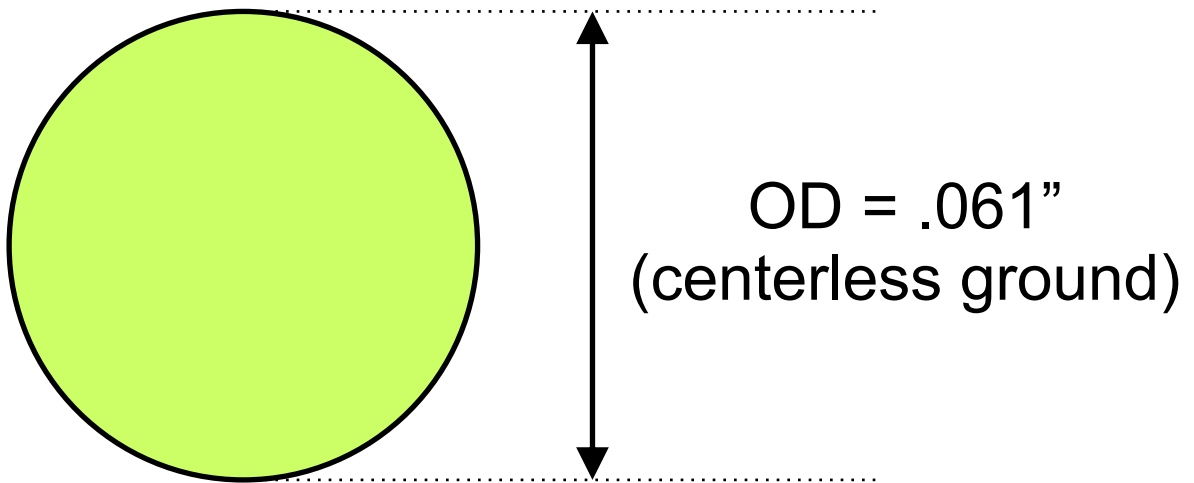
Alumina Part A-5:
Thermocouple sleeve for 8/3, 10/5, and
18/12 assemblies.
Scale 40:1
Material: Coors 99.8% alumina (part # 65684)



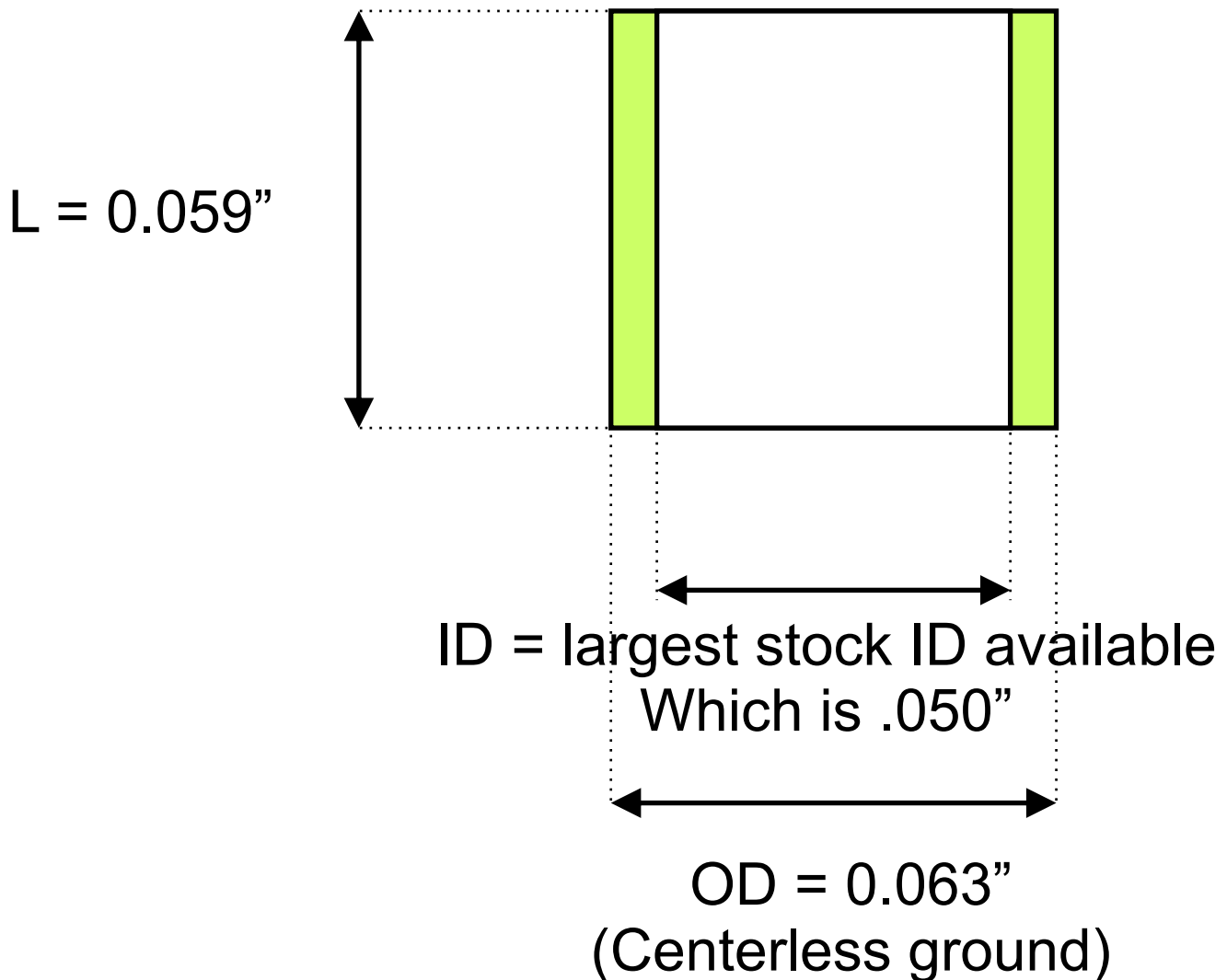
Alumina Part A-6:
Thin alumina sliver for 8/3
and 10/5 assemblies.

Scale 40:1

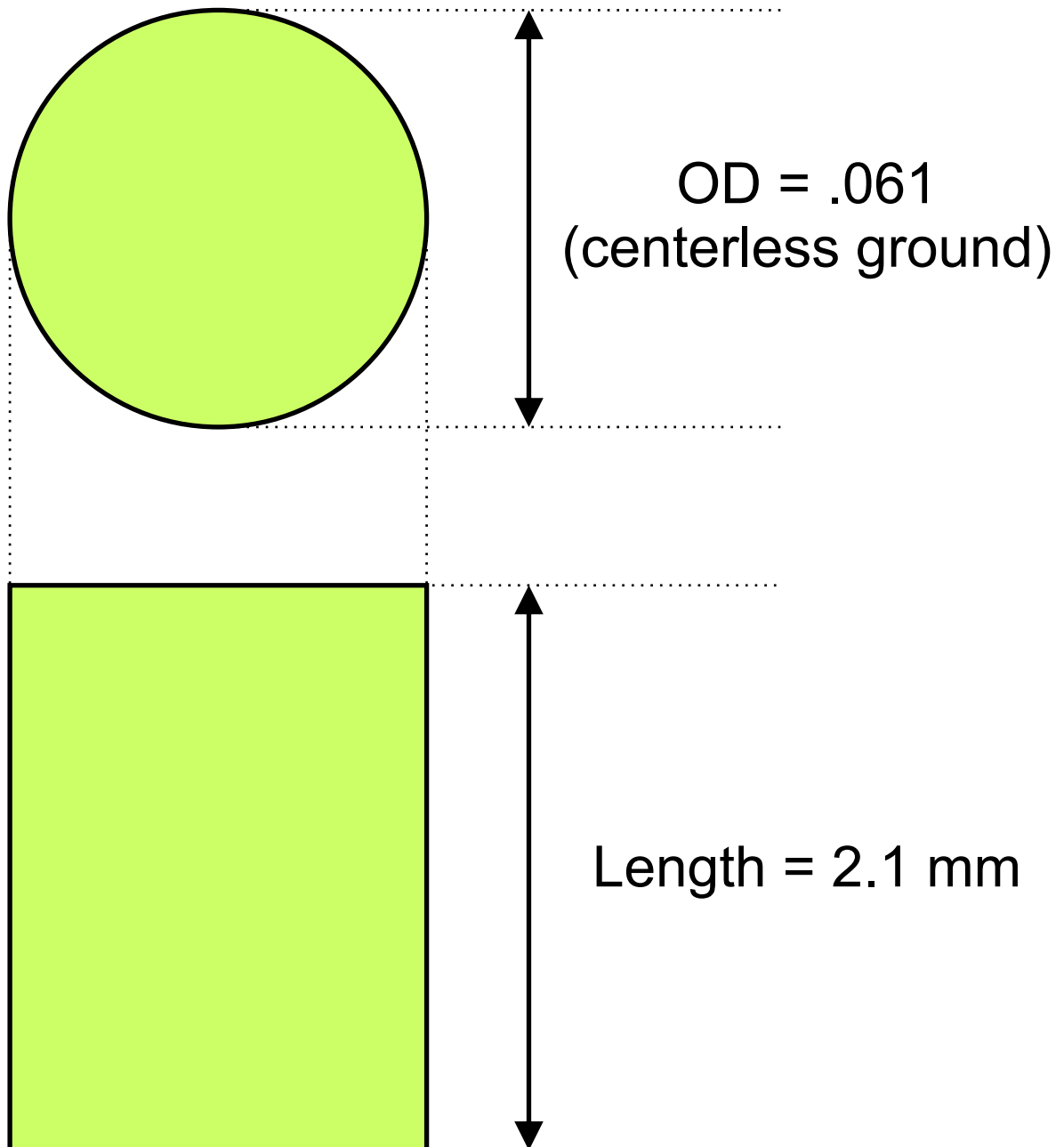
Material: Alumina



Alumina Part A-8: Thinner sample sleeve
for 8/3 assembly
Scale 40:1
Material: Alumina



Alumina Part A -9:
Solid alumina plug for 8/3 assembly
Scale 40:1
Material Alumina



Alumina Part A21: Re-measured thermocouple
protection sleeve for 1 4/8 Bayreuth assembly
Scale 40:1
Material: Alumina

