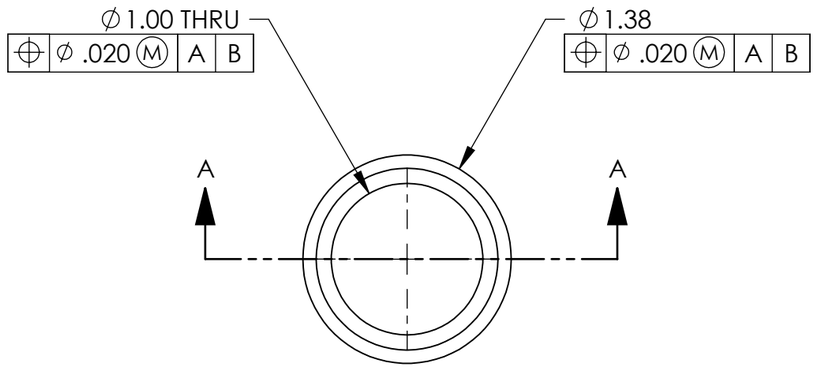
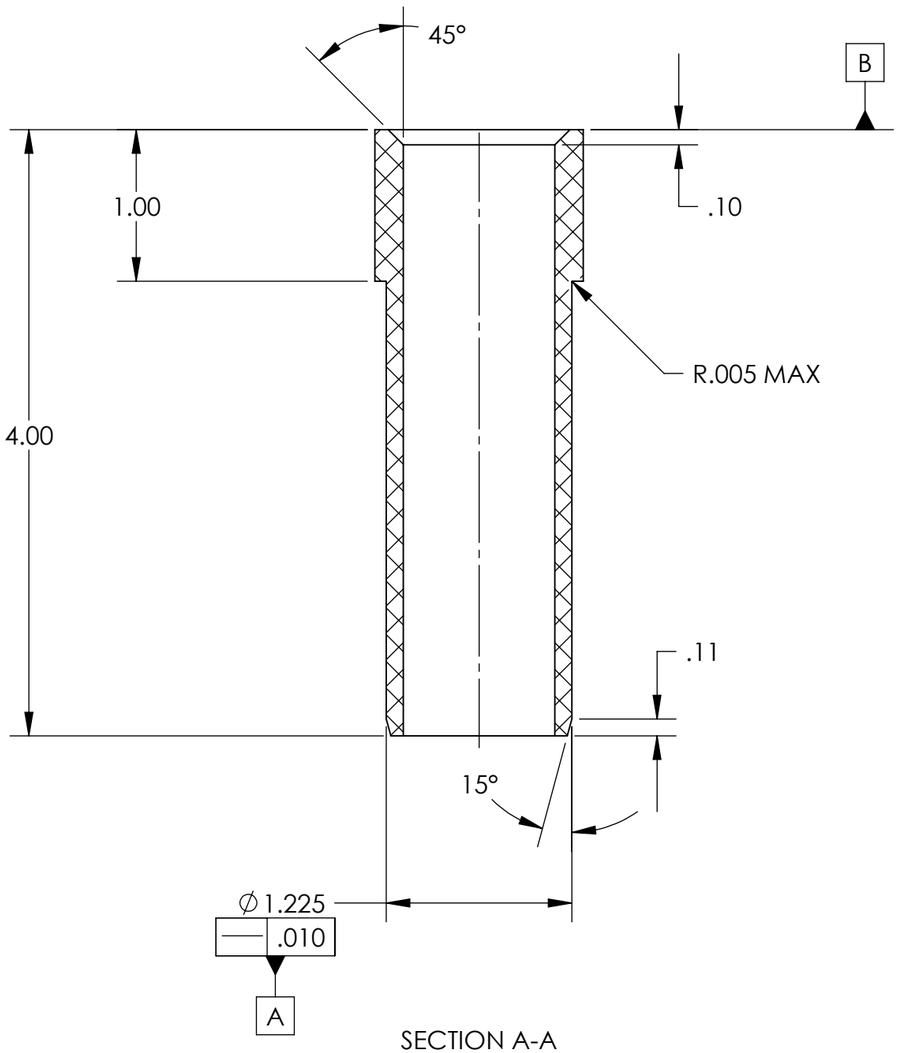
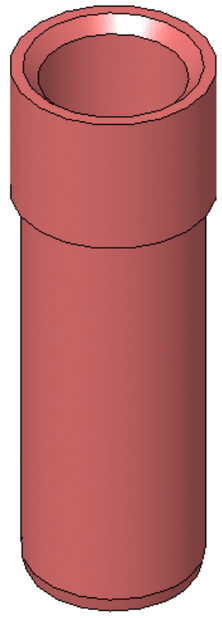
REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / B	8 Aug 2007	1071	D. Senders	Release for Enhanced LIGO.
V2	16 Apr 2009		A. Stein	Release for Advanced LIGO. Minor changes to fillet and chamfer details.





SECTION A-A



MANUFACTURING NOTES:

1) MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. ABRASIVE REMOVAL TECHNIQUES (OTHER THAN DRESSED BLANCHARD GRINDING) ARE NOT ACCEPTABLE.

2) ALL MACHINING FLUIDS MUST BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE, AND SILICONE, SUCH AS CINCINNATI MILACRON CIMTECH 410.

3) THOROUGHLY CLEAN PART TO REMOVE ALL OIL, GREASE, DIRT, AND CHIPS.

POST-MANUFACTURING NOTES:

P1) CLEAN TO LIGO STANDARDS, CLASS B (PER E0900047 AND E960022).

APPROVALS	DATE
ENGINEERING (HPD): D. Senders	8/2/2007
QUALITY (HPD): C. Danaher	8/2/2007
MATERIAL:	**PTFE**
FINISH:	**None**
MASS:	**0.16 lbs**

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES:
.XX ±.015 .XXX ±.005
ANG TOL: ± 1° SURFACE ROUGHNESS: 63

REMOVE ALL SHARP EDGES.
LEAVE .005 X 45° MIN CHAMFER,
OR .005 MIN RADIUS.

THIS PRINT & THE EMBEDDED CAD MODEL ARE THE DOCUMENTATION OF RECORD. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN THE MODEL ARE BASIC, WITH TOLERANCES GIVEN BY:

⌓ .010 A B

ORIGINAL DESIGN BY:
High Precision Devices
1668 Valtec Lane, Suite C, Boulder, Colorado 80301
Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com

MODIFIED BY: LIGO

DESCRIPTION: **Spring Tension Bushing**

P/N: **D071321** CONFIG: **-**

CAD FILE NAME: D071321_Spring_Tension_Bushing

PROJECT: HAM ISI, Advanced LIGO

SIZE **B** | SCALE: **1:1** | DRAWN BY: **Bryan Schiffner (HPD)** | REV **V2**

SHEET **1** OF **1** | DATE PRINTED: **4/16/2009**

Model: #D071321 Rev: V2 Dwg: #D071321 Rev: X-001