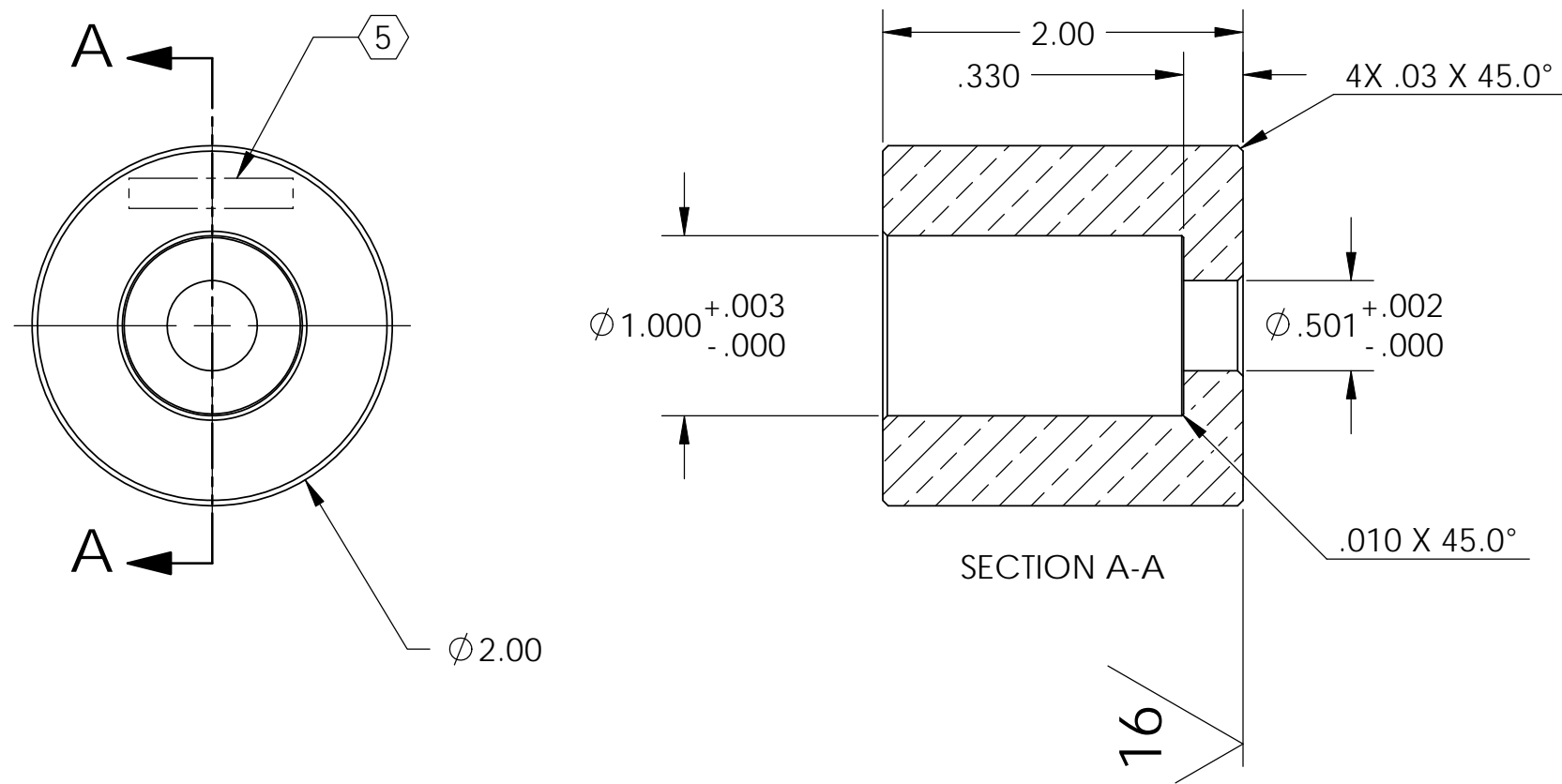


D1002305 DOWEL INSTALLATION BUSHING, .50 DIA, aLIGO BSC ISI, PART PDM REV: X-001, DRAWING PDM REV: X-001

NOTES CONTINUED:
 5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12 HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. A VIBRATORY TOOL MAY BE USED. EXAMPLE DXXXXXX-VY, TYPE-XX, S/N XXX.
 6. APPROXIMATE WEIGHT = 1.5 LB.
 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES (INCLUDING SANDING OR SCOURING FOR MATTE FINISH) IS NOT ALLOWED.
 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

| REV. | DATE | DCN # | DRAWING TREE # |
|------|--------------|----------|----------------|
| v1 | 30 Aug 2010 | E1000373 | - |
| v2 | 08 Nov. 2010 | E1000685 | - |



| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) | | | | LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | | PART NAME | | | | | | |
|--|--|--|--|---|--|--------------------------|--|--|---------------------|------------------|-----------------------------|-------------------|
| DIMENSIONS ARE IN INCHES | | 1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. | | SYSTEM ADVANCED LIGO | | SUB-SYSTEM SEI | | DOWEL INSTALLATION BUSHING, 1/2 DIA. aLIGO BSC ISI | | | | |
| TOLERANCES: .XX ± .015 .XXX ± .005 | | MATERIAL Brass | | FINISH 32 μinch | | NEXT ASSY | | DESIGNER M.HILLARD | DATE 27 Aug 2010 | SIZE B | DWG. NO. D1002305 | REV. v2 |
| ANGULAR ± .5° | | | | | | CHECKER M.MATICHARD | | DATE 30 Aug 2010 | SCALE: 1:1 | | PROJECTION: | SHEET 1 OF 1 |
| | | | | | | APPROVAL K.MASON | | DATE 30 Aug 2010 | | | | |