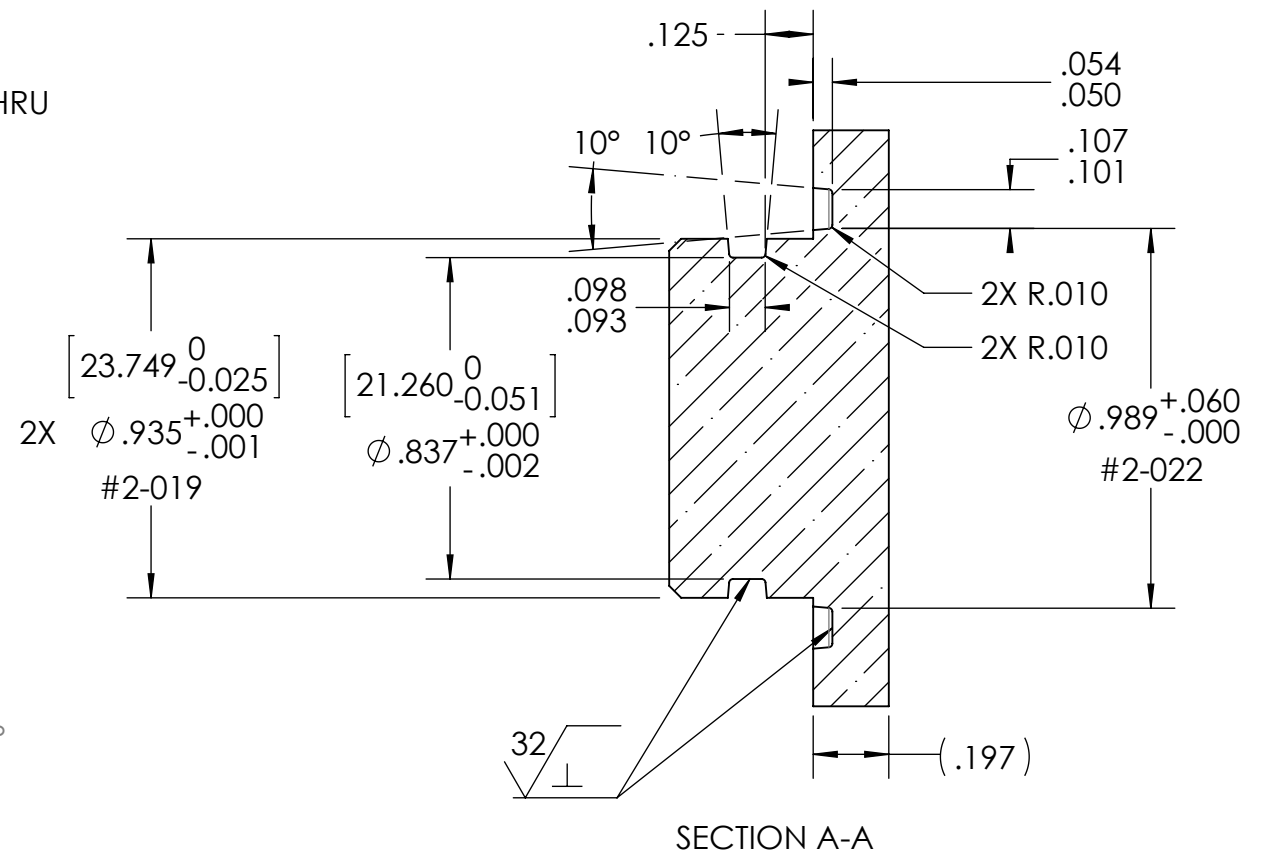


|          |      |             |                            |        |                                |
|----------|------|-------------|----------------------------|--------|--------------------------------|
| 1        | 1    | P-201797-16 | FCR-A OptoPenetrator Dummy | MBARI  | 6AL-4V-ELI Titanium (Annealed) |
| ITEM NO. | QTY. | Part Number | DESCRIPTION                | Vendor | MATERIAL                       |

| BILL OF MATERIALS     |                  |                                                                                                                                                                                   |                     |                      |               |
|-----------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|
| <b>Shop / Q.C.</b>    |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                        |                     | APPROVALS            | DATE          |
| Inspector             |                  | 1 PLACE DIM<br>±1/16                                                                                                                                                              | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES<br>2. DIMENSION LIMITS HELD AFTER PLATING.<br>3. REMOVE BURRS AND SHARP EDGES .015 MAX.<br>4. MACHINED FILLET RADII .0150-.030.                       |                     |                      |               |
| Engineer              |                  | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005<br>6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX. .012 INCHES FOR SINGLE SURFACE. |                     |                      |               |
| NEXT ASSY Description | NEXT ASSY Number | PROJECT NO. 901506<br>PROJECT Deep PIV                                                                                                                                            |                     |                      |               |
|                       | A-201785-16      | WEIGHT 0.107                                                                                                                                                                      |                     |                      |               |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                              |                     |                      |               |

|                                                                                                                                                            |  |                               |  |                                                                                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|---------------------------------------------------------------------------------------|--|
| <b>Monterey Bay Aquarium Research Institute</b><br><b>MBARI</b><br><b>7700 Sandholdt RD.</b><br><b>Moss Landing, CA 95039</b><br><b>PH: (831) 775-1700</b> |  |                               |  |  |  |
| LASER REMOTE HEAD<br>FCR-A OptoPenetrator Dummy                                                                                                            |  |                               |  | SIZE B DWG. NO. P-201797-16.DWG REV.                                                  |  |
| SCALE 2:1                                                                                                                                                  |  | CAD FILE: MECH ENG ON TORNADO |  | SHEET 1 OF 1                                                                          |  |