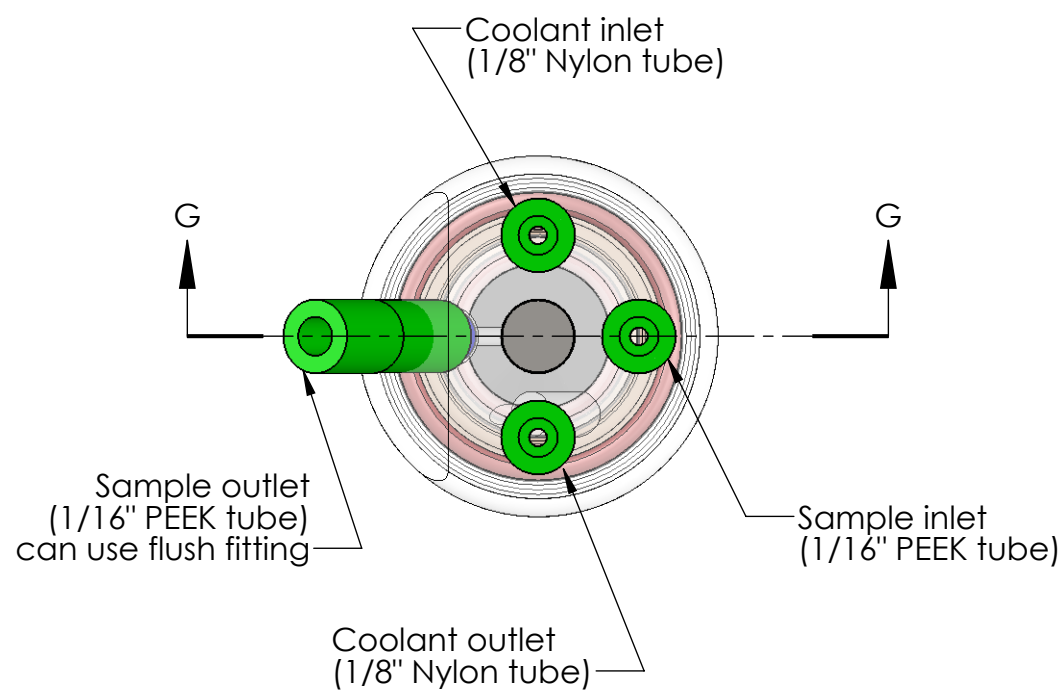
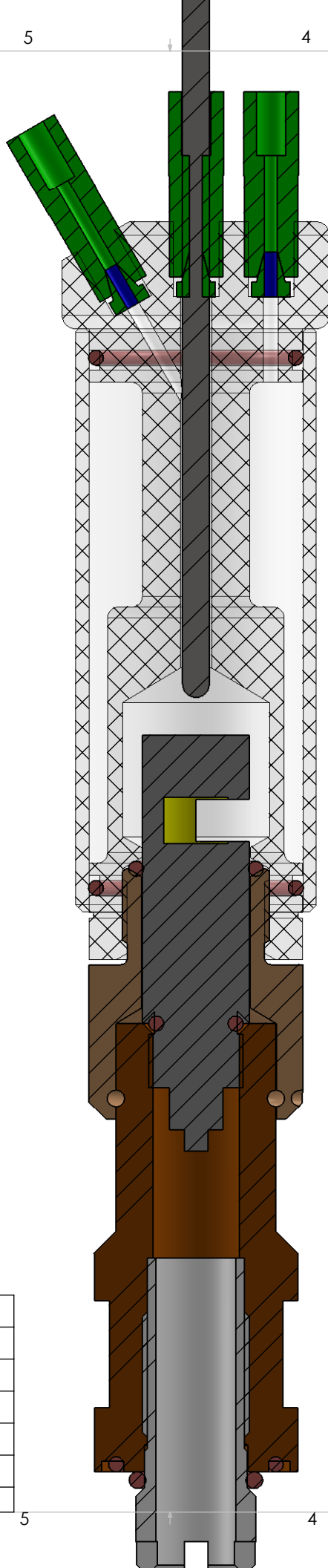
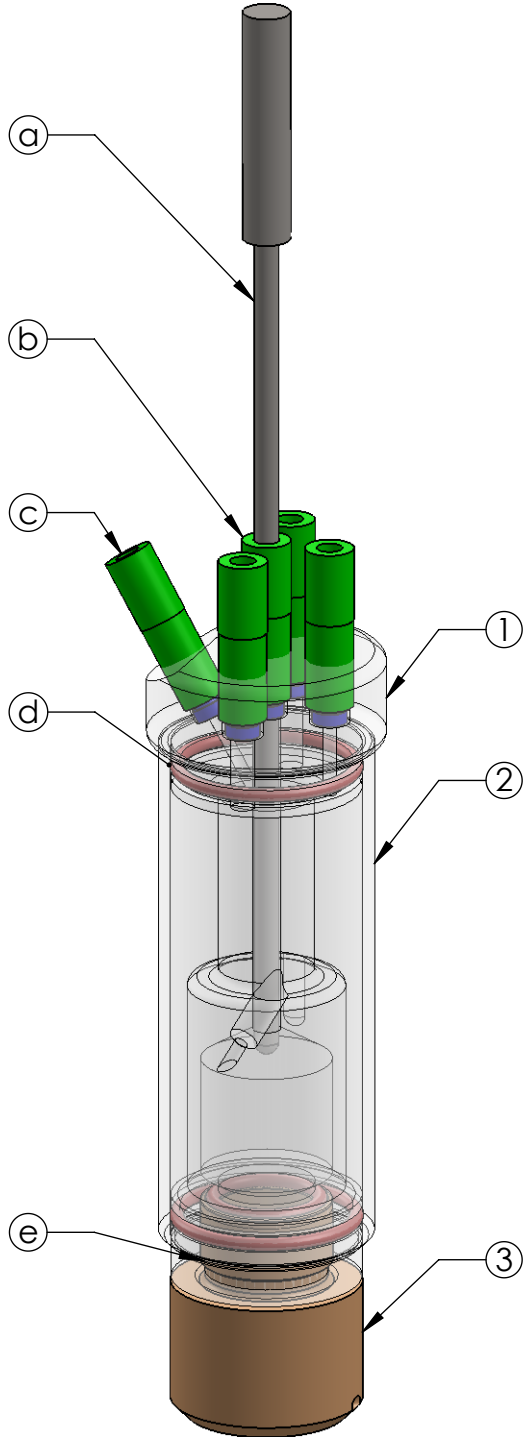


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



e	1		Snap ring	Stainless Steel (McM#93576A160)
d	2		-020 O-ring	Silicone
c	2		1/4-28 Upchurch tube nuts 1/16"	Delrin
b	3		1/4-28 Upchurch tube nuts 1/8"	Delrin
a	1		1/8" temp probe	Stainless Steel
Item No.	Qty	Part No.	Description	Material Specification

Bill of Materials

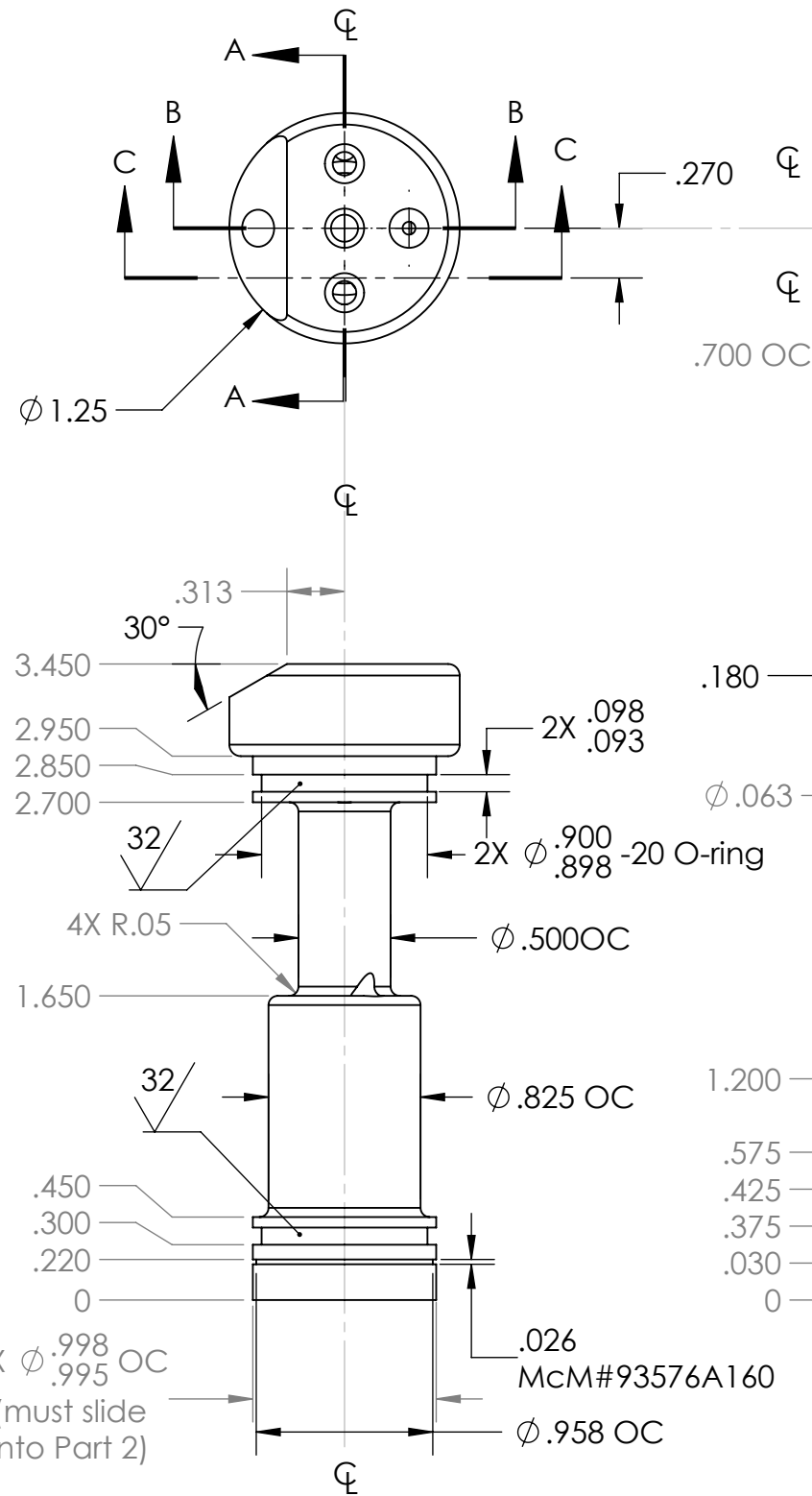
3	1		Calibration adapter	PEEK
2	1		Calibration Housing	Clear Polycarbonate (McMaster 8585K62)
1	1		Calibration Stem (EquiTech)	Clear Acrylic
Item No.	Qty	Part No.	Description	Material Specification

Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DATE 4/2/13
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch
Engineer		1. DIMENSIONS ARE IN INCHES		ENGINEER
		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. 901218
		4. MACHINED FILLET RADII .0150-.030.		PROJECT Novel Sensors
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.		
Application		DO NOT SCALE DRAWING		WEIGHT

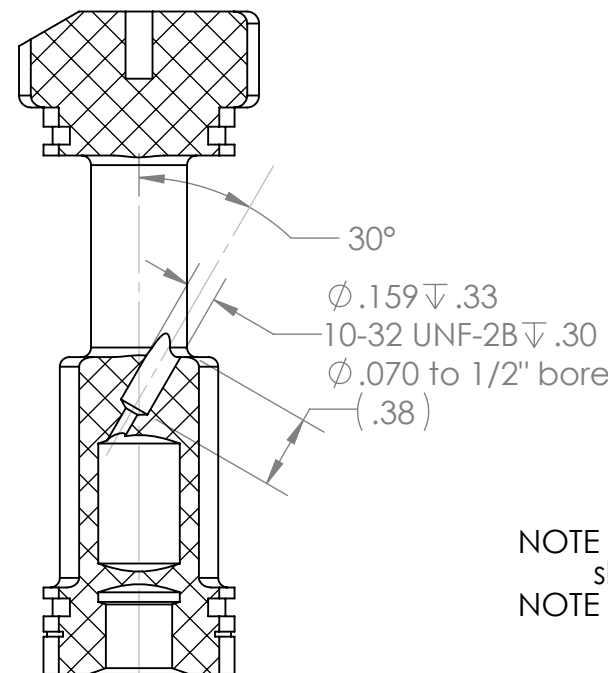
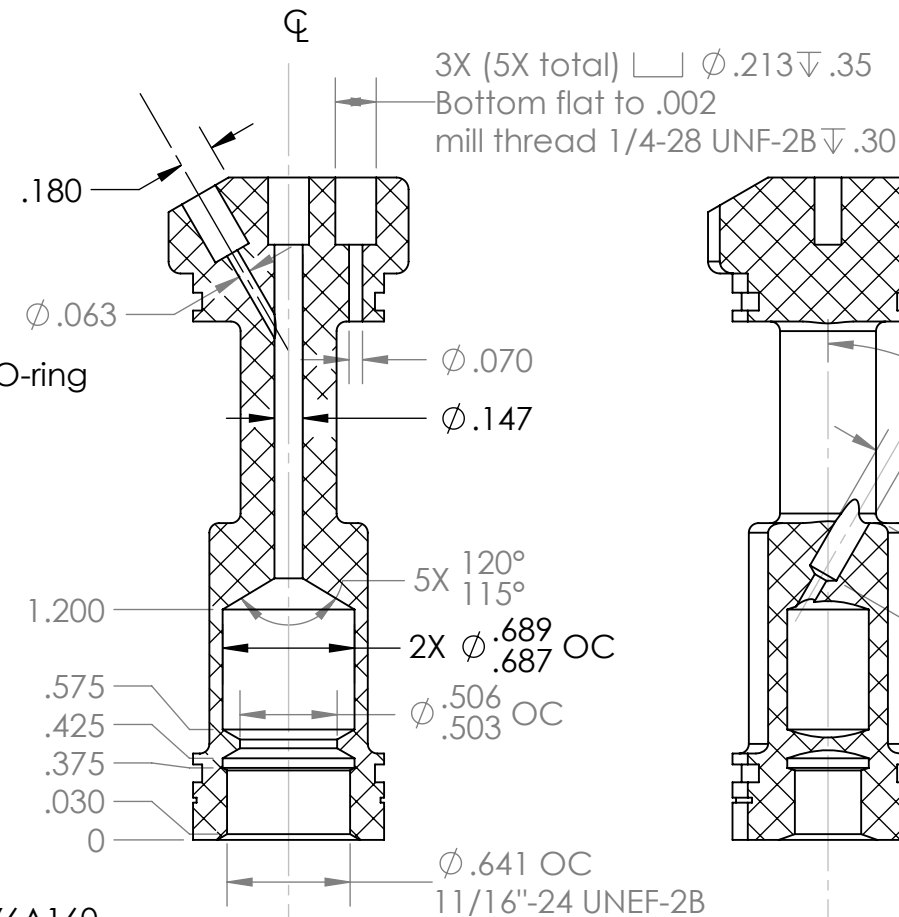
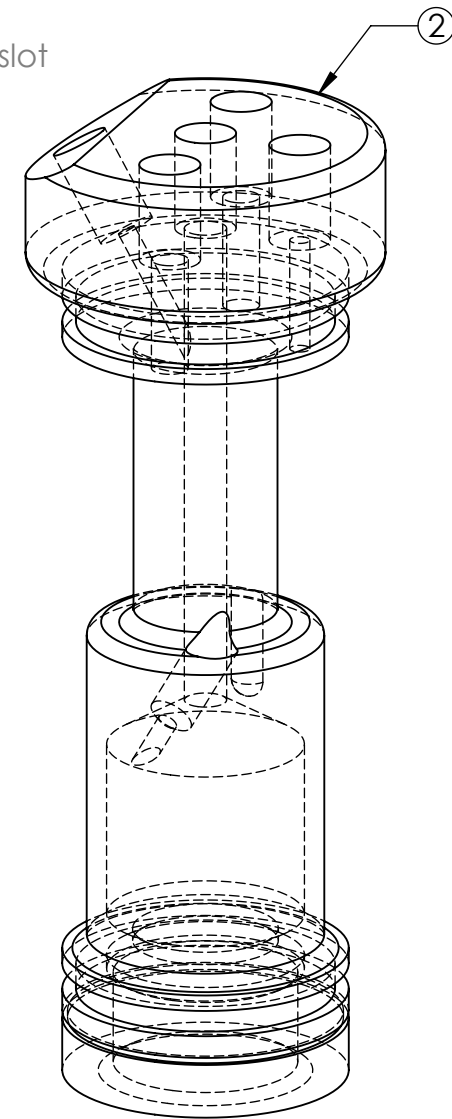
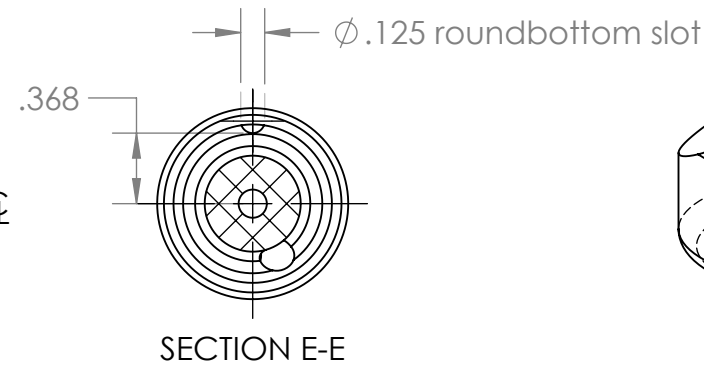
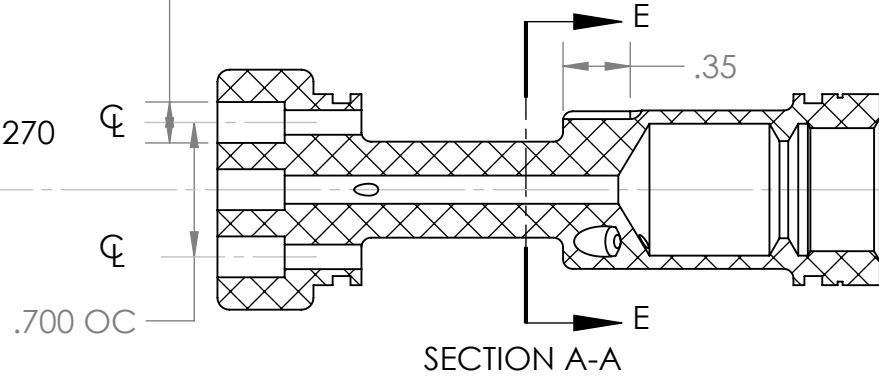
Monterey Bay Aquarium Research Institute			
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
APEX ISUS Calibration Cell (EquiTech)			
SIZE B	DWG. NO. 273jaha-APEX-ISUScalibrationCell-EQver2	REV.	
SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 3	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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3X (5X total) $\angle$ ϕ .213 ∇ .35
Bottom flat to .002
mill thread 1/4-28 UNF-2B ∇ .30
 ϕ .128 thru



NOTE 7: The ϕ .687 inside and ϕ .825 outside surfaces should be polished.
NOTE 8: Parts 1 and 3 should easily screw together.

1	1		Calibration Stem (EquiTech)	Clear Acrylic
Item No.	Qty	Part No.	Description	Material Specification
Bill of Materials				
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005
Shop Foreman		1. DIMENSIONS ARE IN INCHES		2. DIMENSION LIMITS HELD AFTER PLATING.
Engineer		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		4. MACHINED FILLET RADII .0150-.030.
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.
Application		DO NOT SCALE DRAWING		WEIGHT
Monterey Bay Aquarium Research Institute				
MBARI				
7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
				
APEX ISUS Calibration Cell (EquiTech)				
SIZE B		DWG. NO. 273jaha-APEX-ISUSCalibrationCell-EQver2		REV.
SCALE 1:3		CAD FILE: Tornado/chem/SWfiles		SHEET 2 OF 3

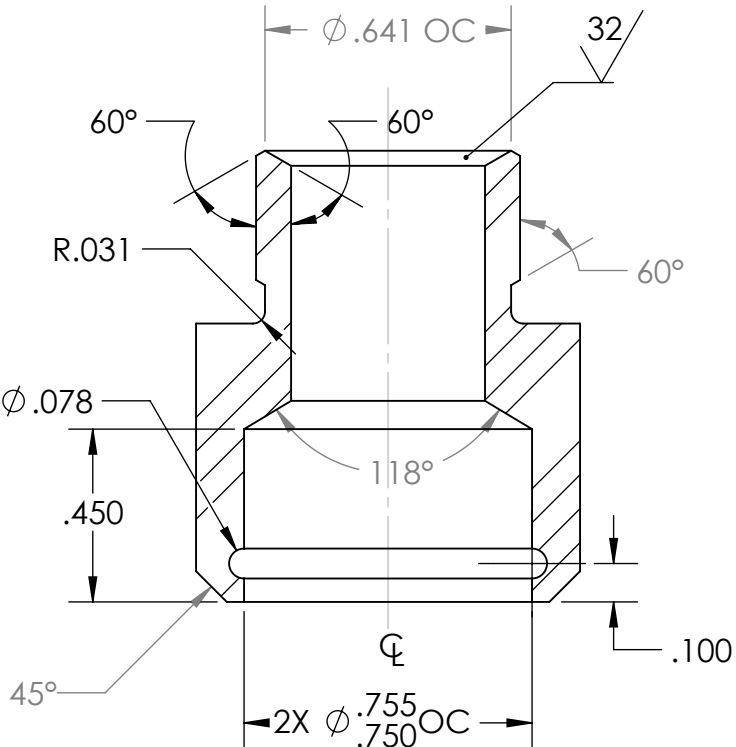
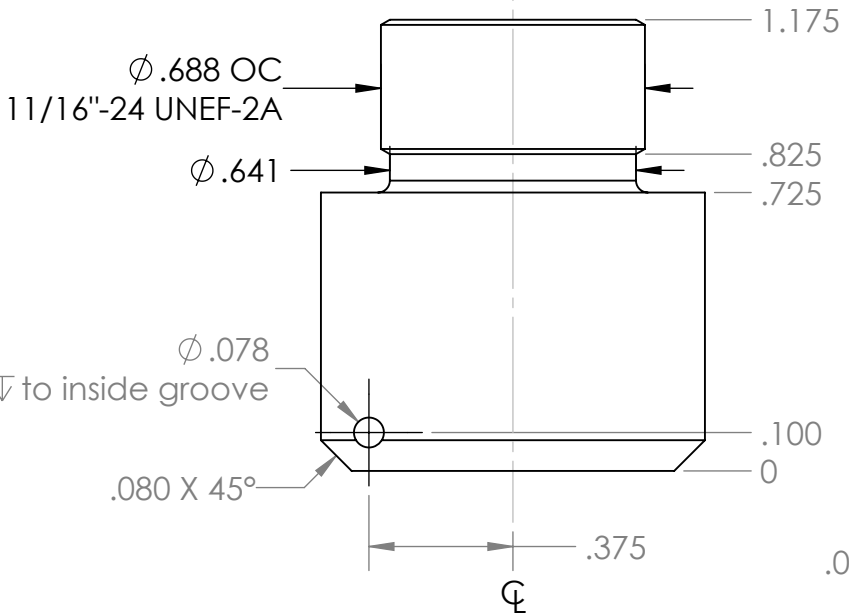
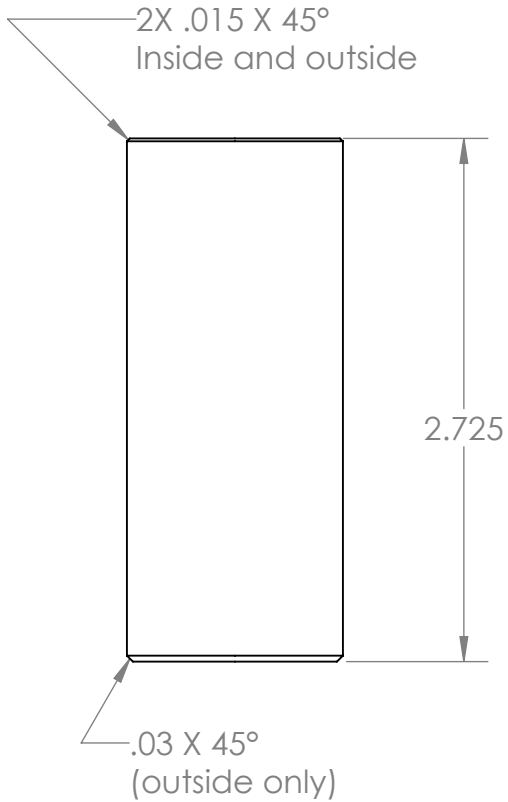
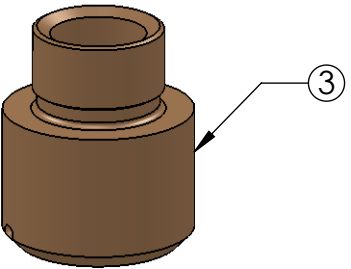
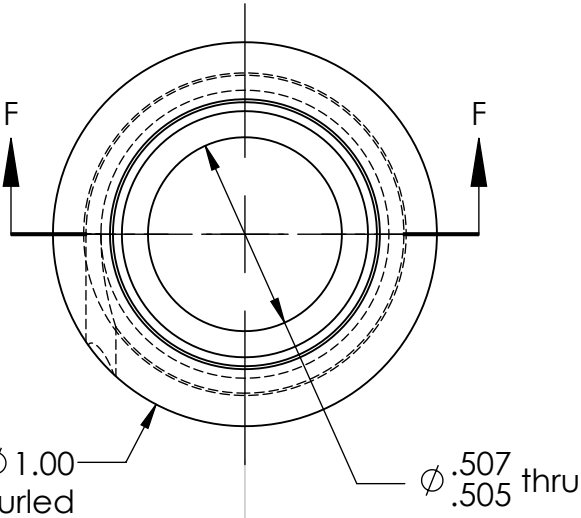
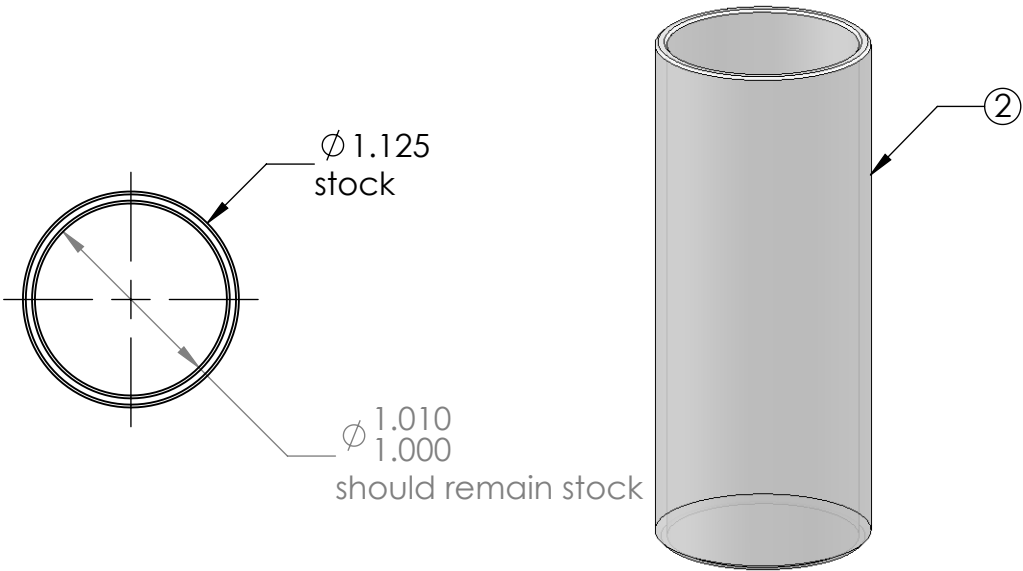
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Moss Landing, CA 95039
PH: (831) 775-1700



APEX ISUS Calibration Cell (EquiTech)

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION F-F
SCALE 2 : 1

NOTE 7: Stock surfaces should be visually clear.
NOTE 8: Parts 1 and 3 should easily screw together.

3		1		Calibration adapter		PEEK	
2		1		Calibration Housing		Clear Polycarbonate (McMaster 8585K62)	
Item No.		Qty	Part No.	Description		Material Specification	
Bill of Materials							
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	4/2/13
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	
Engineer						CHECKED	
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901218	
						PROJECT Novel Sensors	
Application		DO NOT SCALE DRAWING				WEIGHT	
		3				2	
Monterey Bay Aquarium Research Institute							
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700							
APEX ISUS Calibration Cell (EquiTech)						REV.	
		SIZE B	DWG. NO. 273jaha-APEX-ISUScalibrationCell-EQver2				
		SCALE 1:3	CAD FILE: Tornado/chem/SWfiles			SHEET 3	OF 3