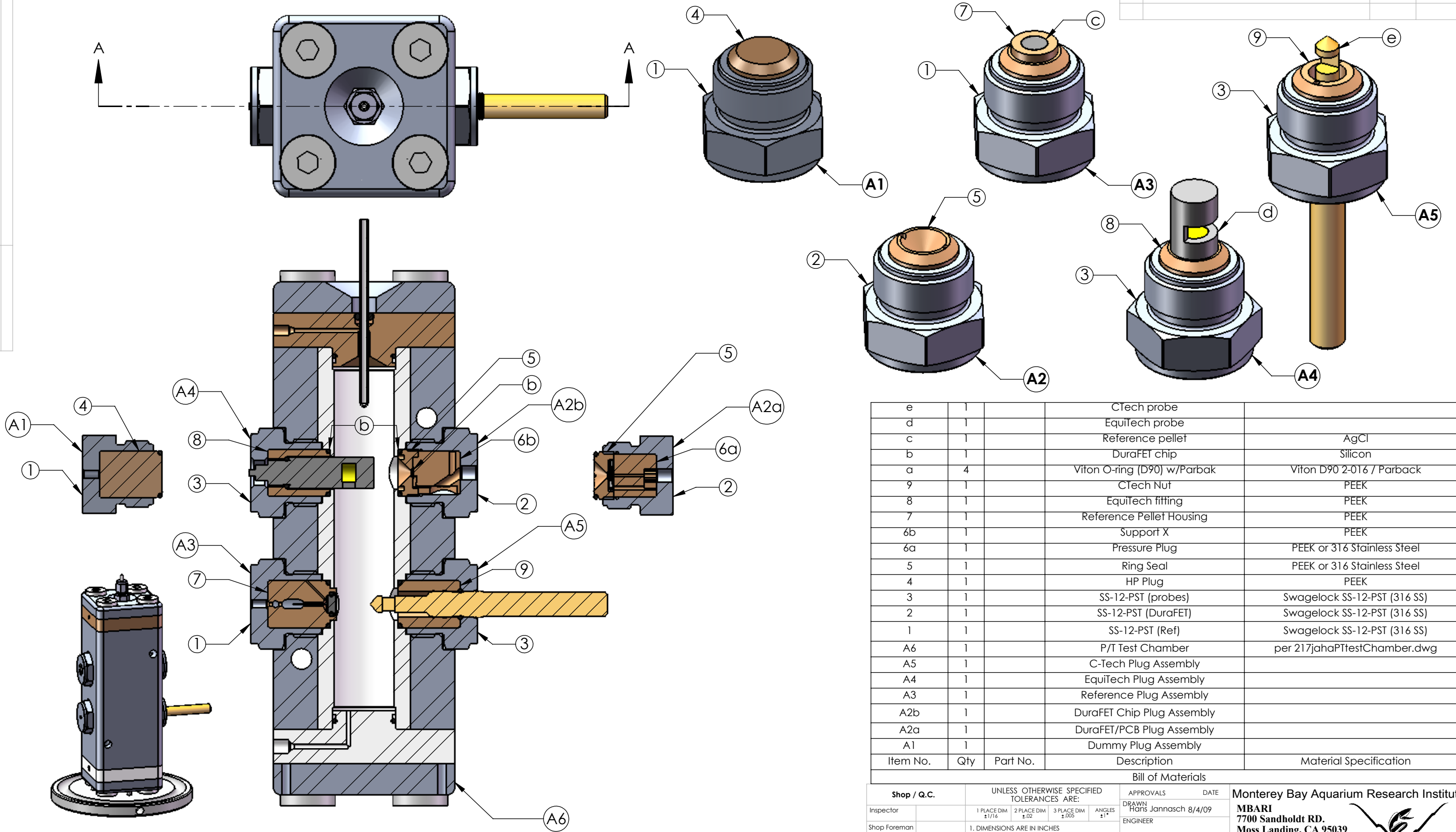


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE		



ASSEMBLY

SECTION A-A
SCALE 1 : 1.5

e	1		CTech probe	
d	1		EquiTech probe	
c	1		Reference pellet	AgCl
b	1		DuraFET chip	Silicon
a	4		Viton O-ring (D90) w/Parbak	Viton D90 2-016 / Parback
9	1		CTech Nut	PEEK
8	1		EquiTech fitting	PEEK
7	1		Reference Pellet Housing	PEEK
6b	1		Support X	PEEK
6a	1		Pressure Plug	PEEK or 316 Stainless Steel
5	1		Ring Seal	PEEK or 316 Stainless Steel
4	1		HP Plug	PEEK
3	1		SS-12-PST (probes)	Swagelock SS-12-PST (316 SS)
2	1		SS-12-PST (DuraFET)	Swagelock SS-12-PST (316 SS)
1	1		SS-12-PST (Ref)	Swagelock SS-12-PST (316 SS)
A6	1		P/T Test Chamber	per 217jahaPTtestChamber.dwg
A5	1		C-Tech Plug Assembly	
A4	1		EquiTech Plug Assembly	
A3	1		Reference Plug Assembly	
A2b	1		DuraFET Chip Plug Assembly	
A2a	1		DuraFET/PCB Plug Assembly	
A1	1		Dummy Plug Assembly	
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	DRAWN Hans Jannasch 8/4/09
Shop Foreman		2 PLACE DIM ±.02	ENGINEER
Engineer		3 PLACE DIM ±.005	CHECKED
NEXT ASSY Description	NEXT ASSY Number	ANGLES ±1°	PROJECT NO. 900918
		1. DIMENSIONS ARE IN INCHES	PROJECT Novel Sensors
		2. DIMENSION LIMITS HELD AFTER PLATING.	WEIGHT
		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.	
Application		DO NOT SCALE DRAWING	

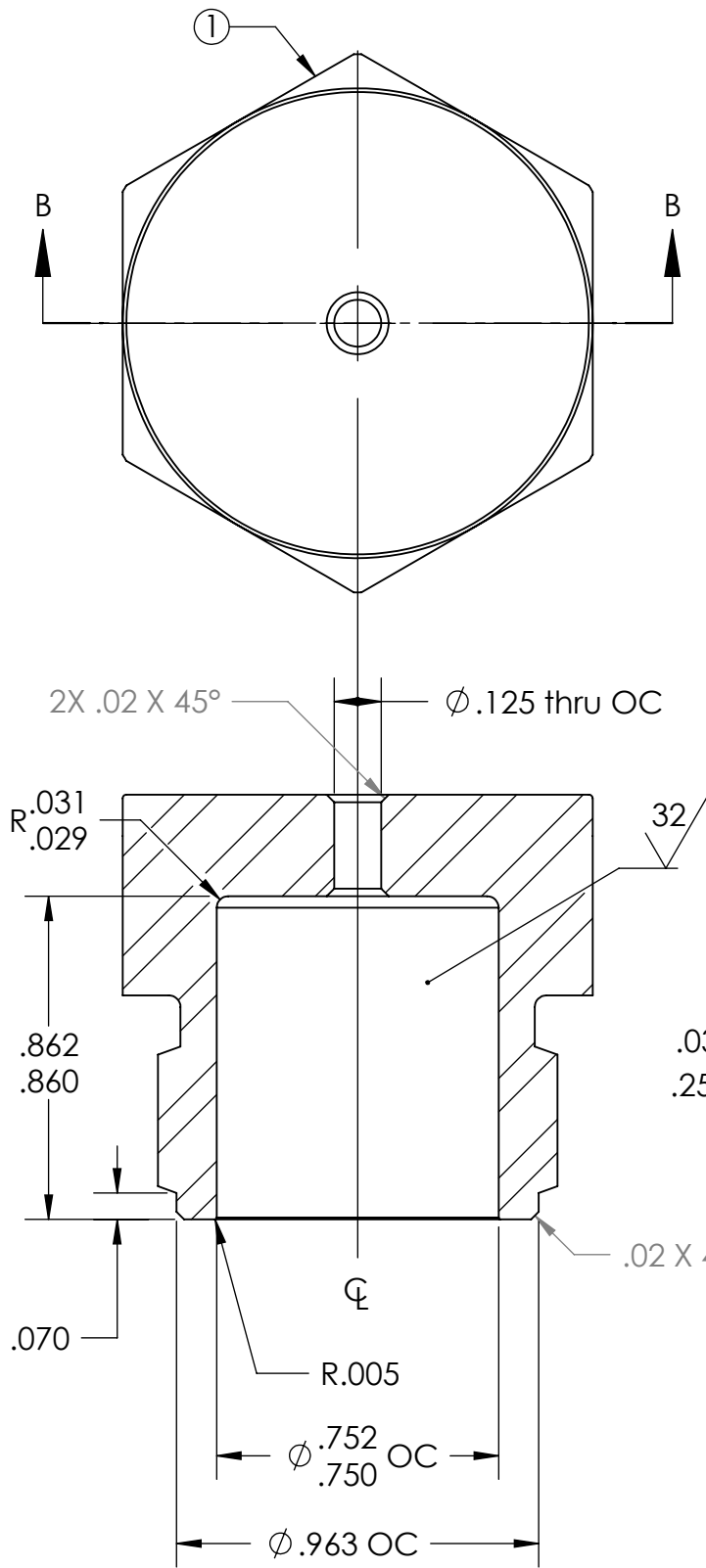
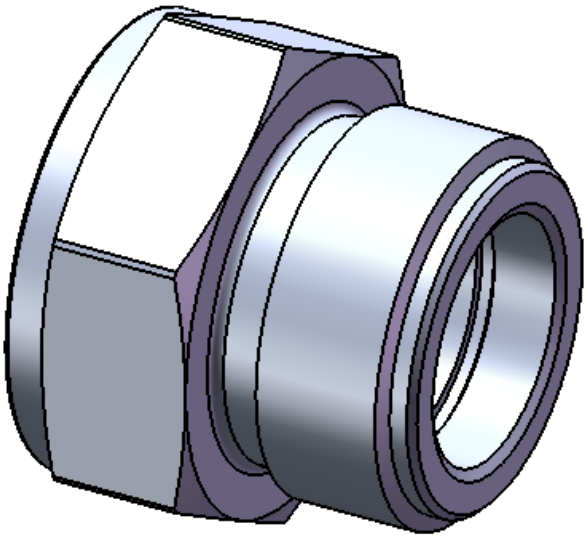
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

P/T Test Chamber Fittings

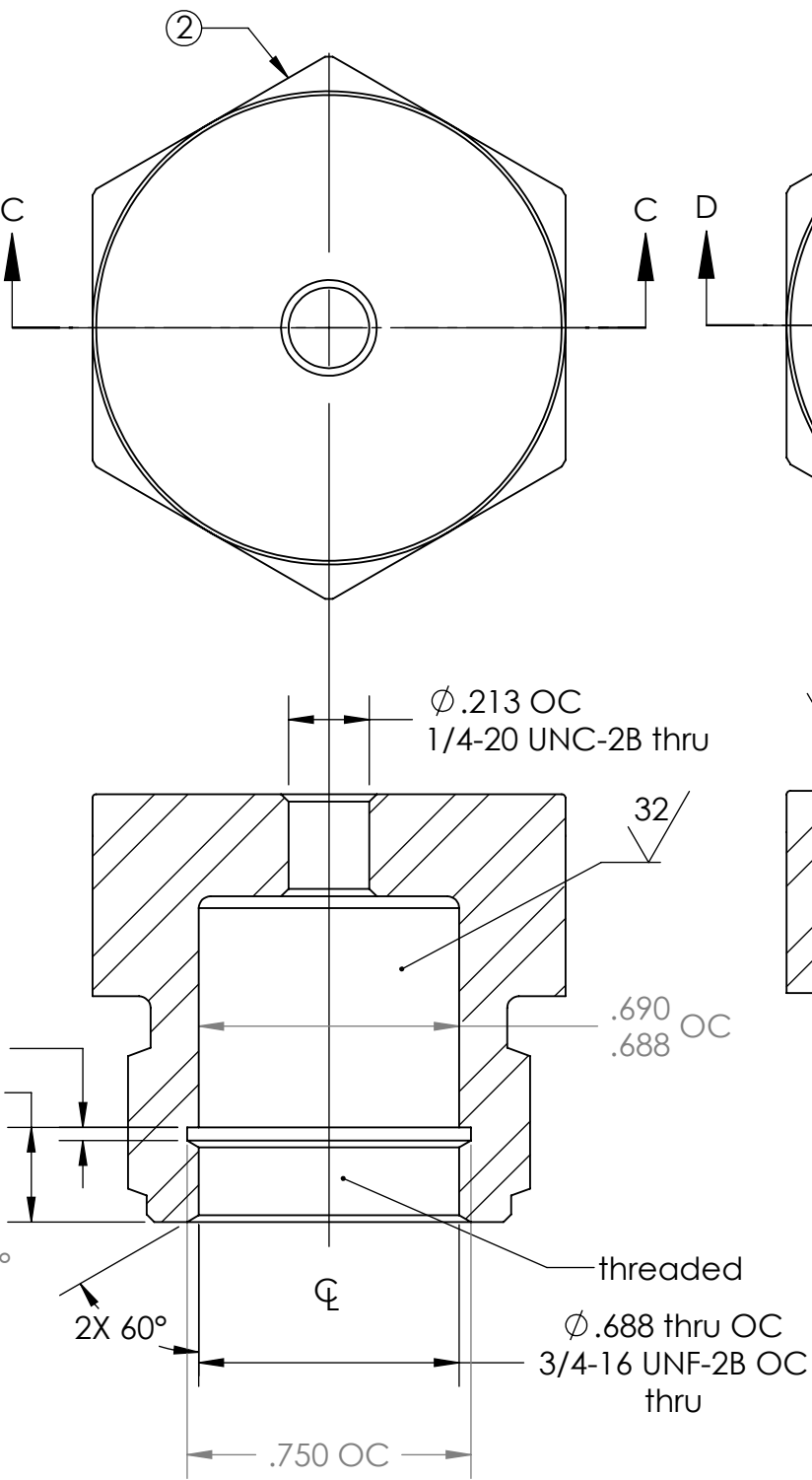
SIZE B	DWG. NO. 218jahaPTtestFittings	REV.
SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 5

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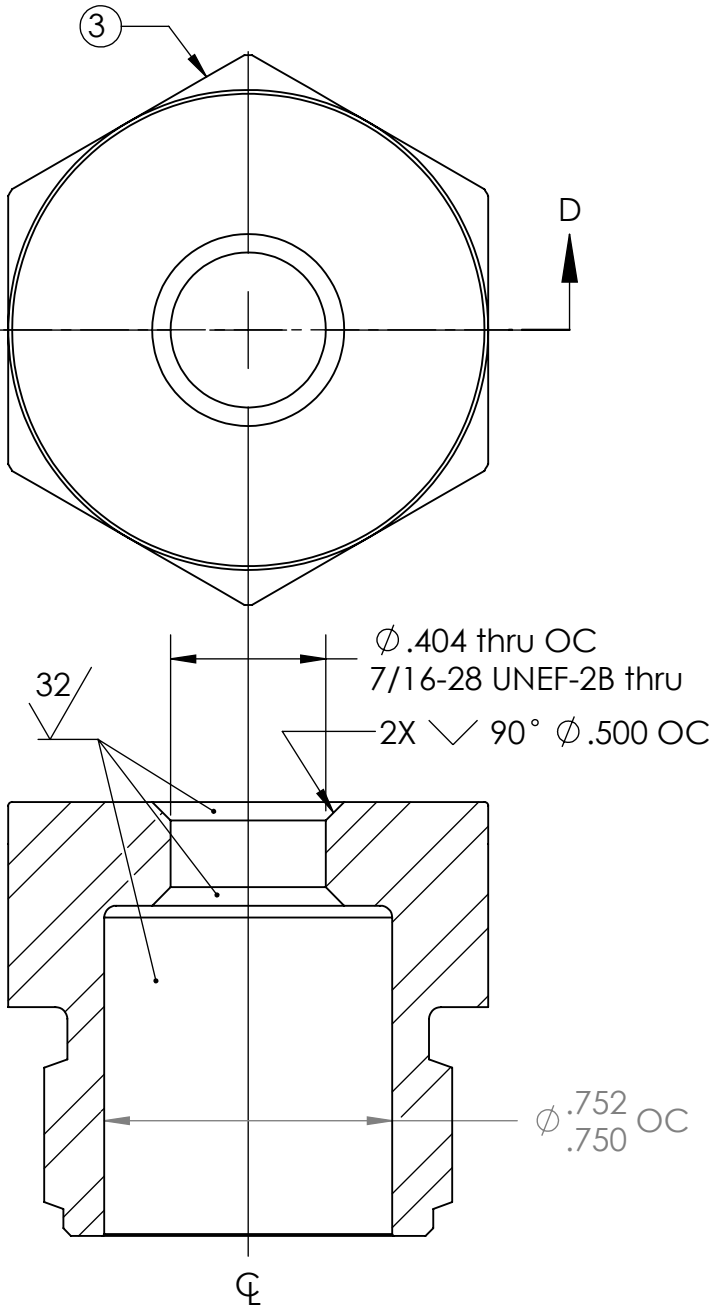
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION B-B



SECTION C-C



SECTION D-D

3	1		SS-12-PST (probes)	Swagelock SS-12-PST (316 SS)
2	1		SS-12-PST (DuraFET)	Swagelock SS-12-PST (316 SS)
1	1		SS-12-PST (Ref)	Swagelock SS-12-PST (316 SS)
Item No.	Qty	Part No.	Description	Material Specification

Bill of Materials

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE	Monterey Bay Aquarium Research Institute	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch 8/4/09	ENGINEER
Shop Foreman		1. DIMENSIONS ARE IN INCHES				CHECKED	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				PROJECT NO.	900918
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT	Novel Sensors
		4. MACHINED FILLET RADII .0150-.030.				WEIGHT	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				SCALE	1:3
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				CAD FILE:	Tornado/chem/SWfiles
Application		DO NOT SCALE DRAWING				SHEET	2 OF 5

NOTE:
All dimensions not shown are same as in Part 1.
All parts have same OD thread recess per Part 1.
Without inserts, parts should easily screw into pressure chamber ports until hex heads bottom out.

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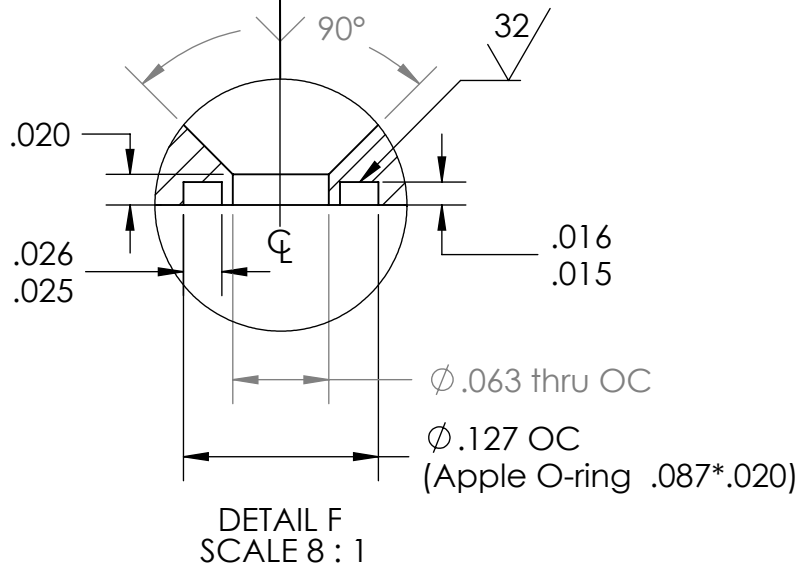
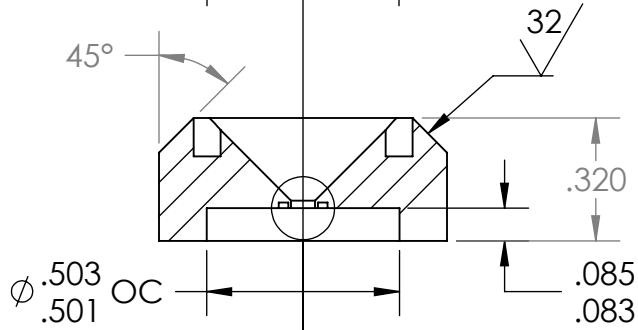
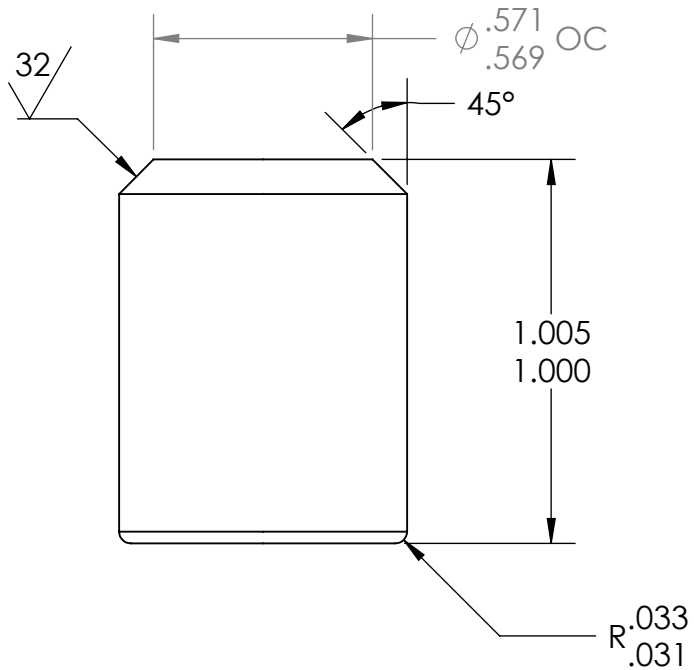
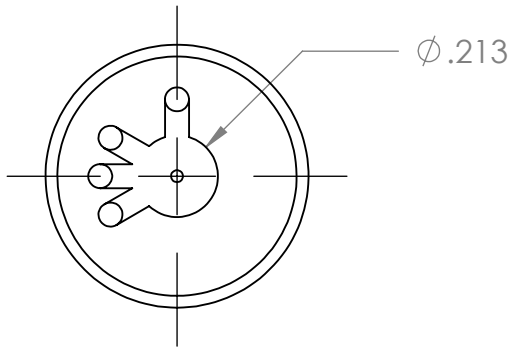
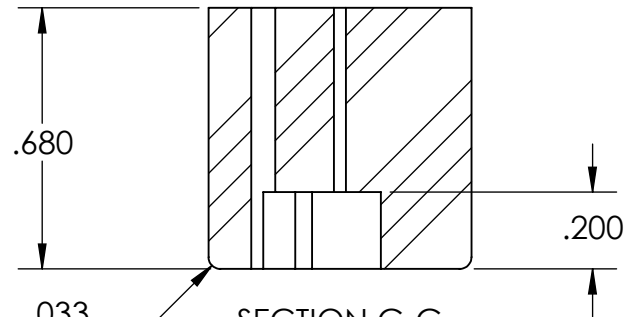
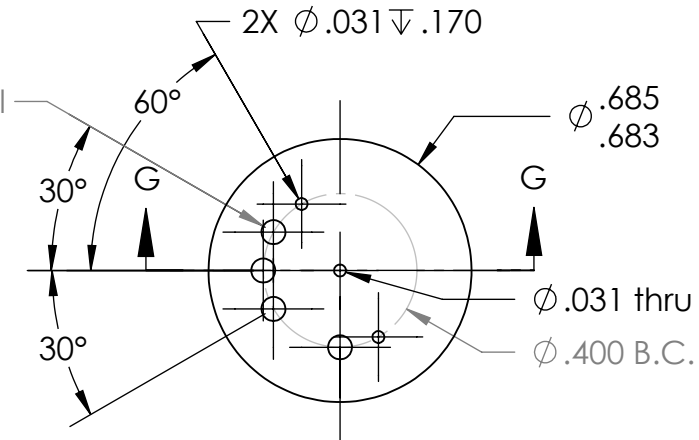
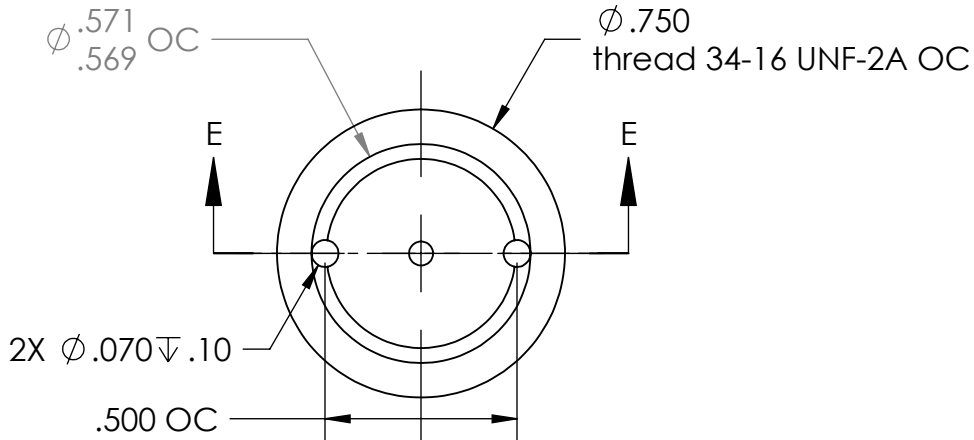
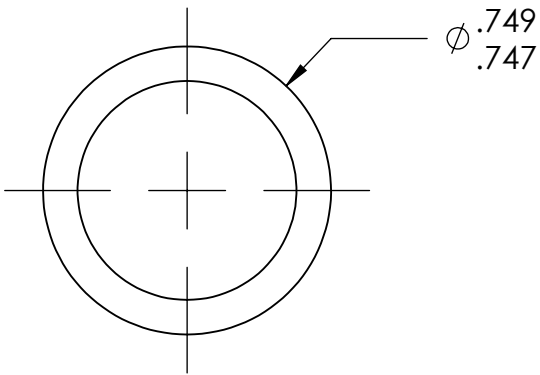
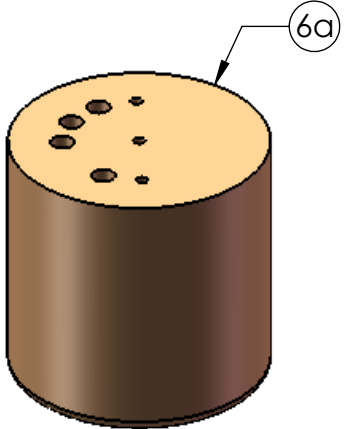
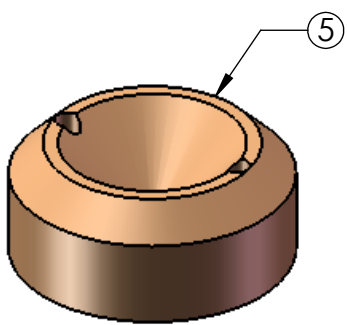
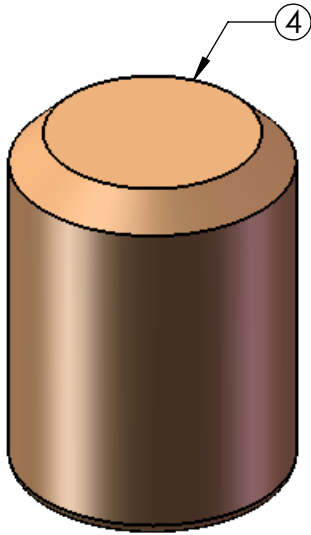


P/T Test Chamber Fittings

SIZE B DWG. NO. 218jahaPTtestFittings REV.

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



6a	1		Pressure Plug	PEEK or 316 Stainless Steel
5	1		Ring Seal	PEEK or 316 Stainless Steel
4	1		HP Plug	PEEK
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
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	
Engineer		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.		
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO. 900918		
Application		PROJECT Novel Sensors		
		WEIGHT		
		DO NOT SCALE DRAWING		
		2		

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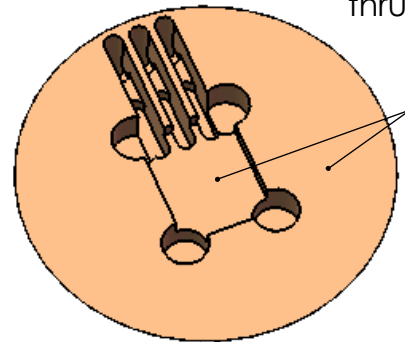
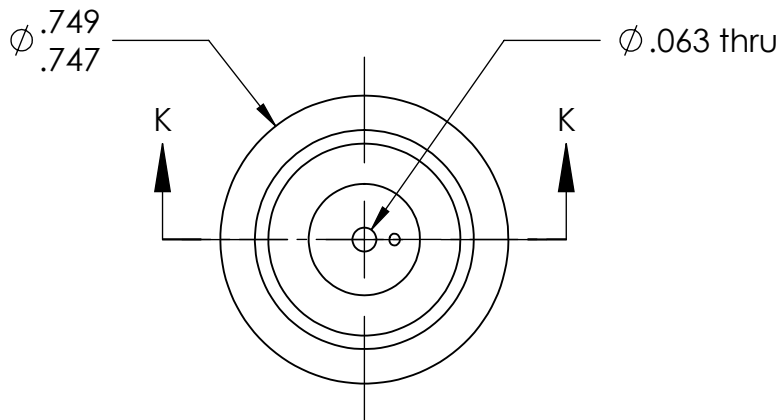
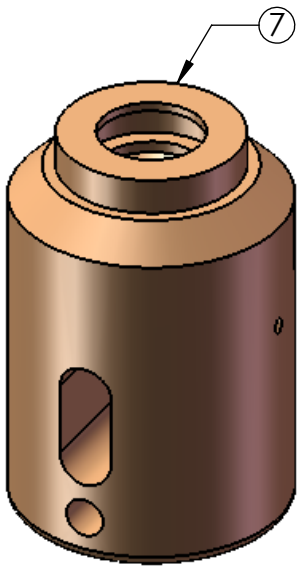
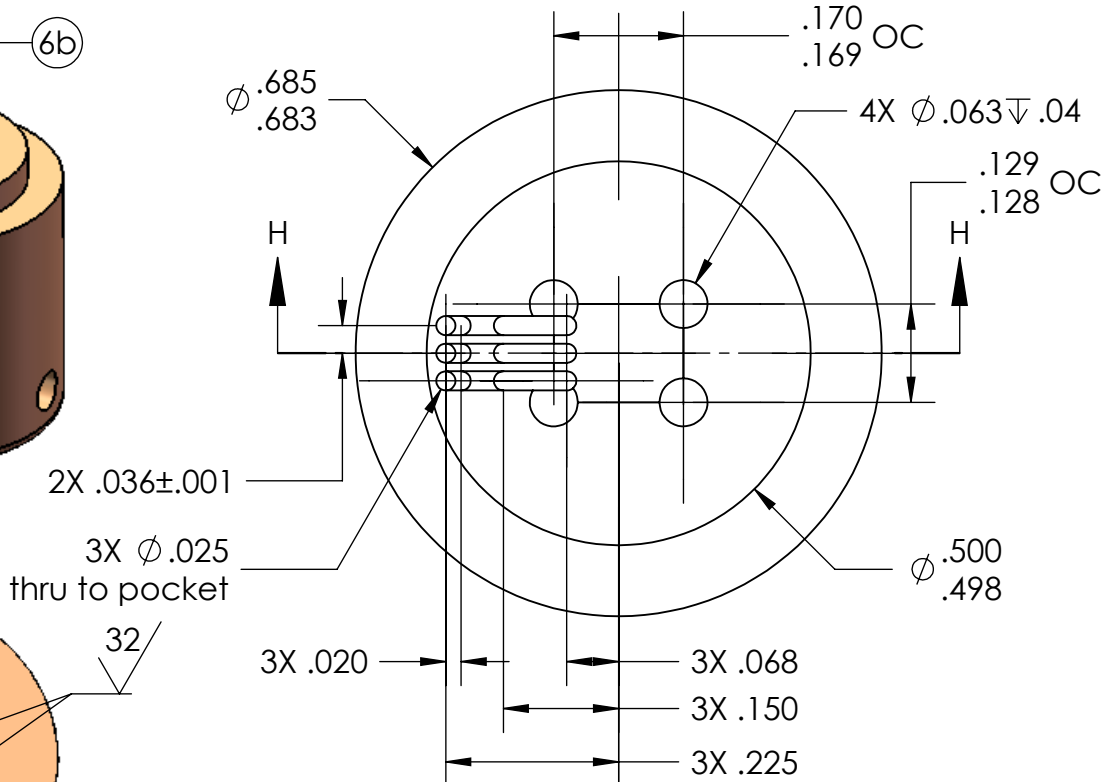
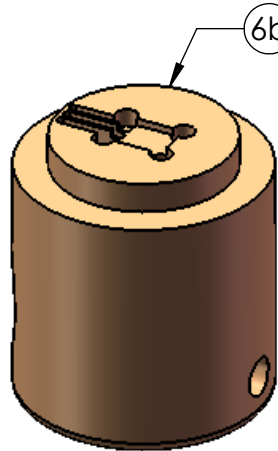


P/T Test Chamber Fittings

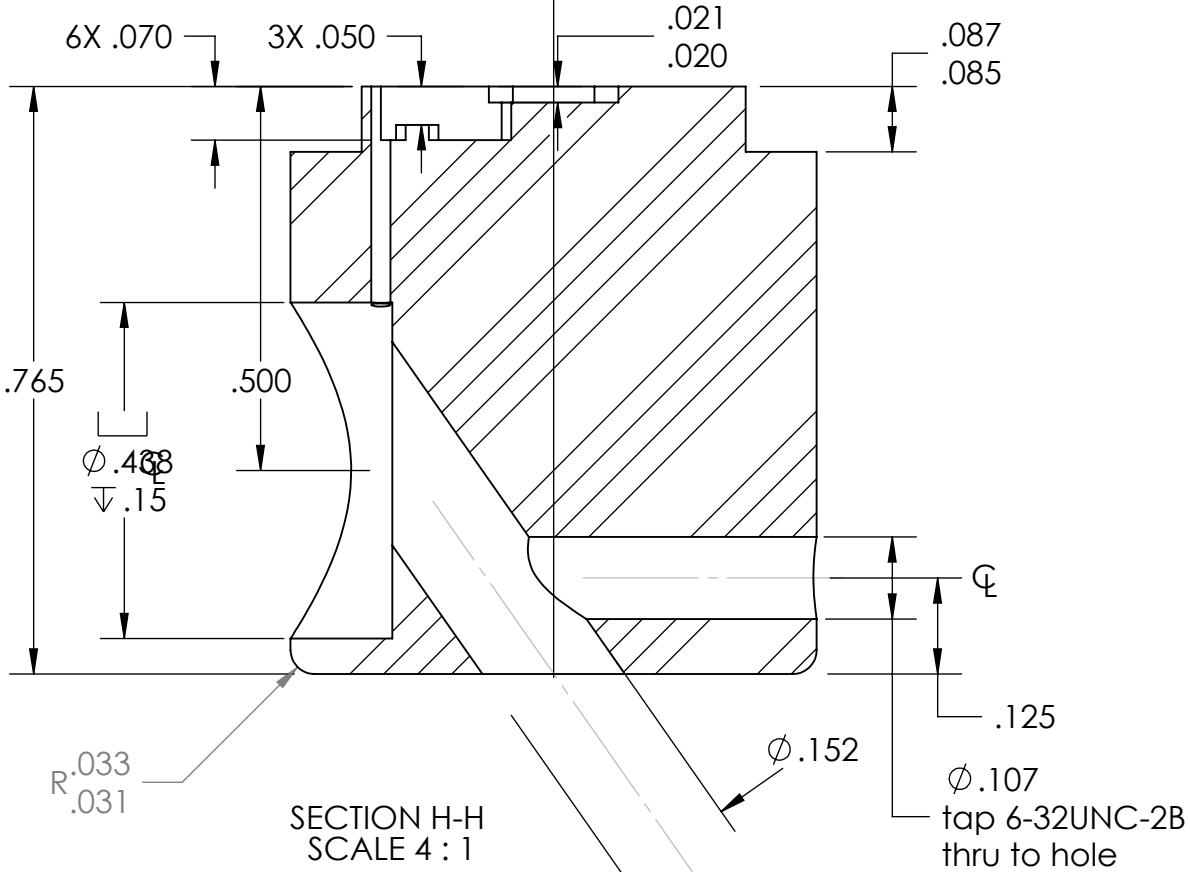
SIZE	DWG. NO.	REV.
B	218jahaPTtestFittings	
SCALE	1:3	
CAD	FILE: Tornado/chem/SWfiles	
SHEET	3	OF 5

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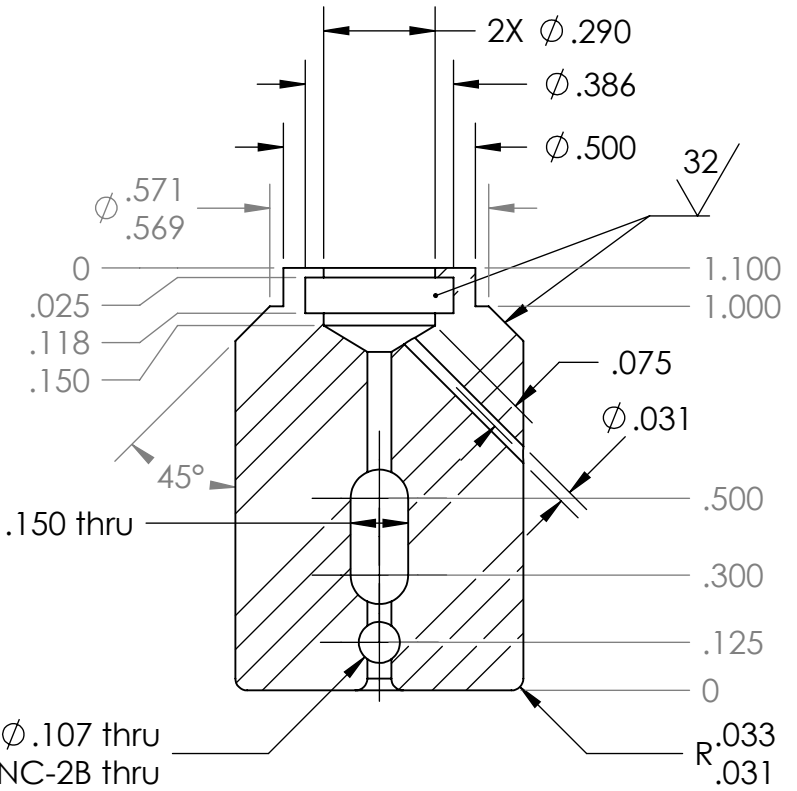
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



DETAIL J
SCALE 4 : 1



SECTION H-H
SCALE 4 : 1



SECTION K-K

7	1		Reference Pellet Housing	PEEK			
6b	1		Support X	PEEK			
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 8/4/09	
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	
NEXT ASSY Description		NEXT ASSY Number		PROJECT NO. 900918		P/T Test Chamber Fittings	
				PROJECT Novel Sensors			
				WEIGHT			
				SCALE 1:3		CAD FILE: Tornado/chem/SWfiles	SHEET 4 OF 5

