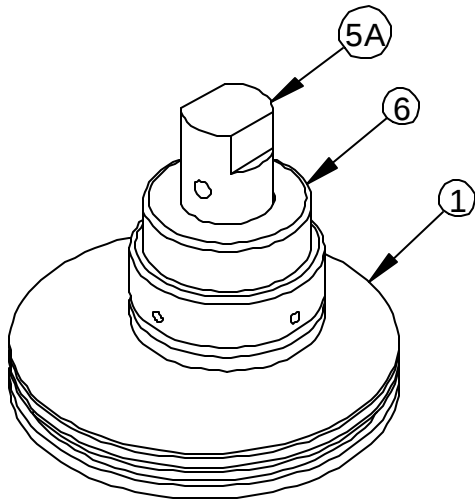
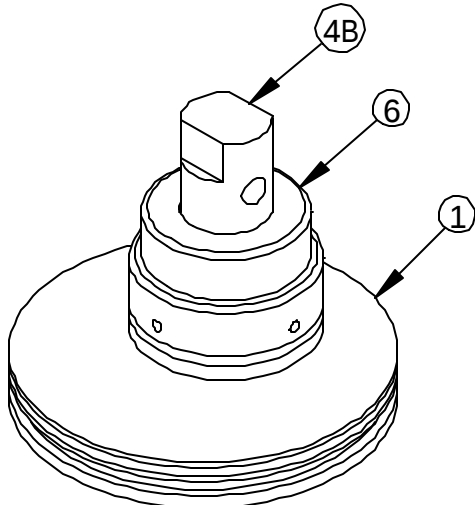


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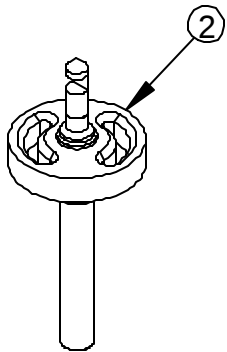
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	1283AHA.DWG	7/8/02
A	3 - C TECH PROBE TIP LENGTHS	J. SCHOLFIELD	4/8/03
B	C TECH FLOWCELL TIP RELIEF	J. SCHOLFIELD	5/23/03



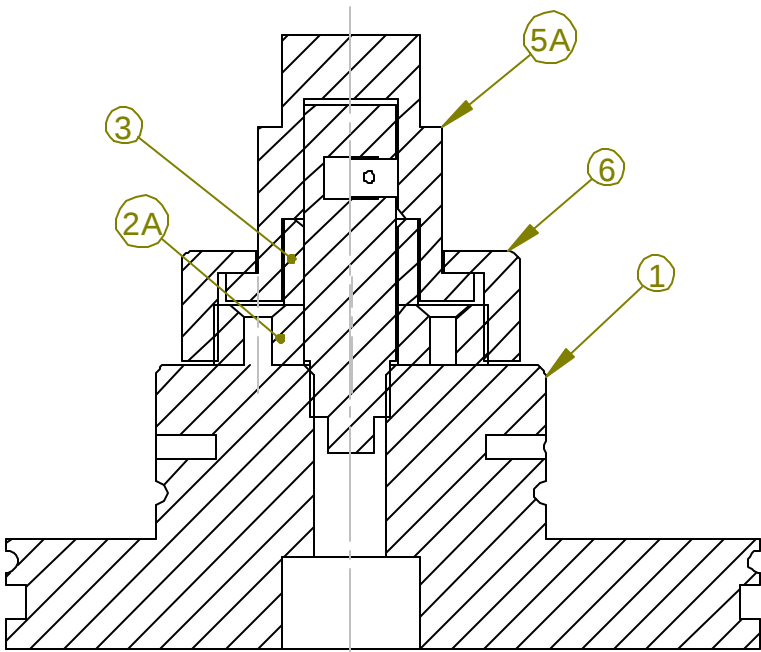
EquiTech Probe
with 1/4-28 connections



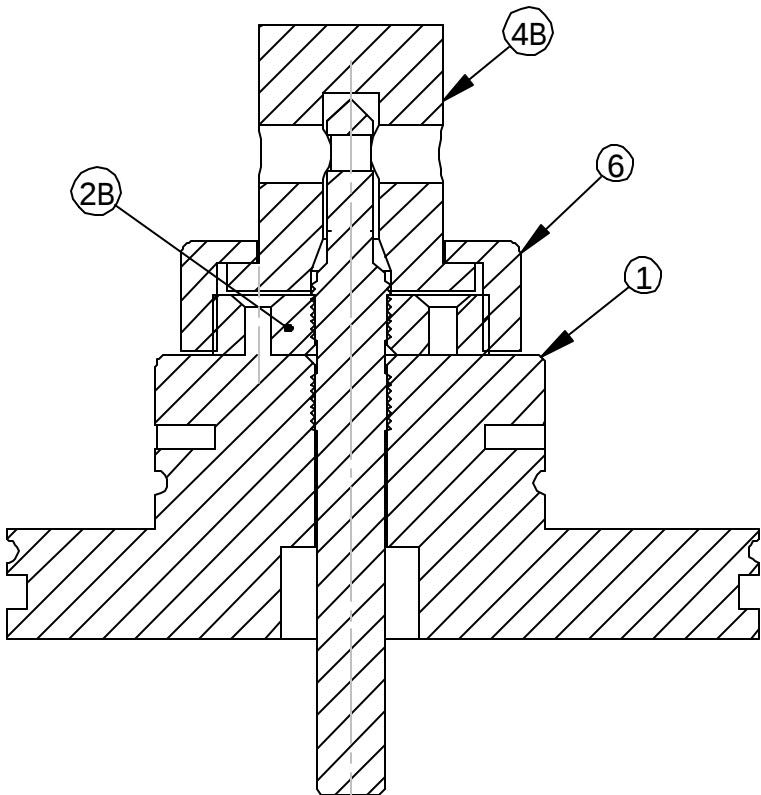
C-Tech Probe
with 1/8" NPT connection



C-Tech Probe
Exposed probe



SECTION
EquiTech Probe
with 1/4-28 connections



SECTION
C-Tech Probe
with 1/8" NPT connection

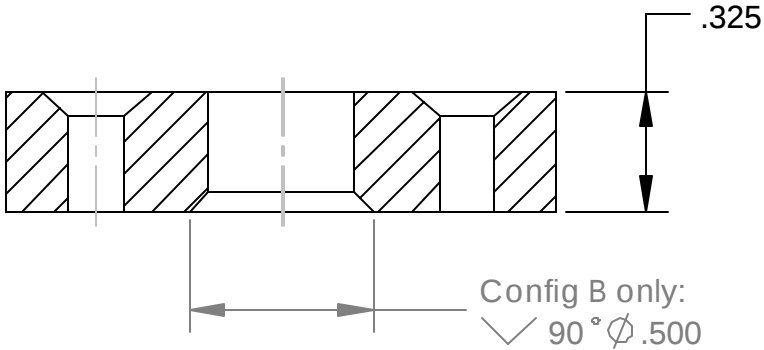
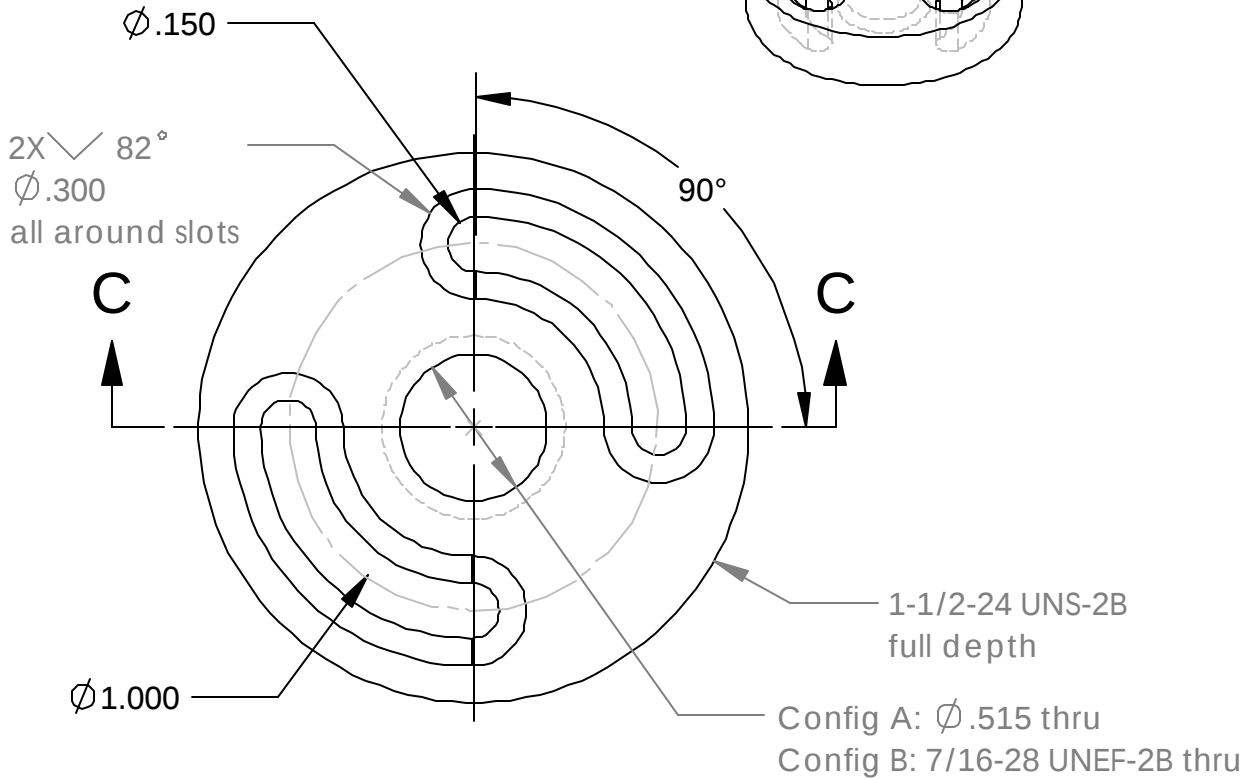
Note 7
O-rings:
EquiTech Probe: -012 and -014
C-Tech Probe: -010 and -013

SHEET 1 - CROSS SECTIONS

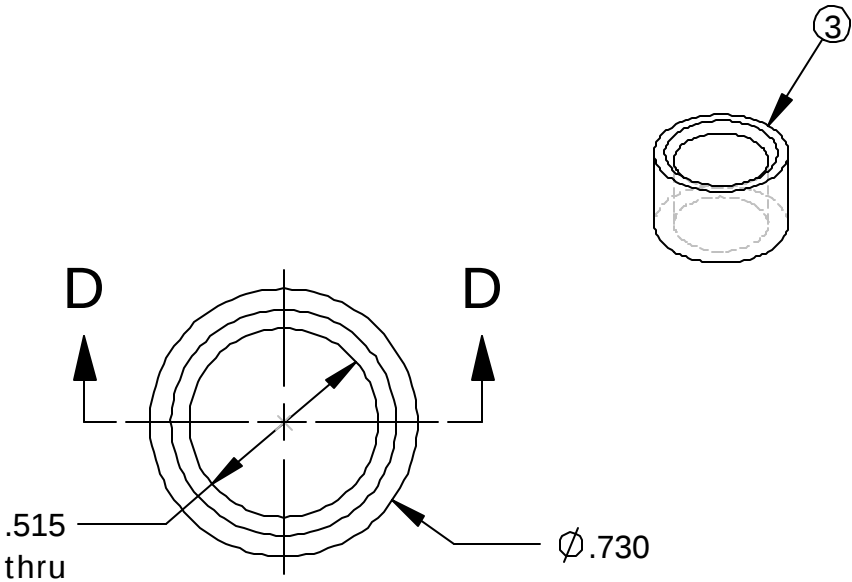
6			Lock ring	PEEK
5			Equitech flowcell (Config A and B)	PEEK
4			C-tech flowcell (Config A and B)	PEEK
3			Probe riser	PEEK
2			Probe nut (Config A and B)	PEEK
1			Endcap	Polycarbonate (see 123jaha.DWG)
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM $\pm .010$	2 PLACE DIM $\pm .005$	3 PLACE DIM $\pm .002$	ANGLES	7/8/02
1. DIMENSIONS ARE IN INCHES			DRAWN	Hans Jannasch
2. DIMENSION LIMITS HELD AFTER PLATING.			ENGINEER	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.			CHECKED	
4. MACHINED FILLET RADII .0150-.030.			PROJECT NO.	600144
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			PROJECT	Chemical Sensors
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			WEIGHT	
NEXT ASSY			USED ON	
APPLICATION			DO NOT SCALE DRAWING	
SCALE			CAD FILE: TORNADO/CHEM/SWFILES	SHEET 1 OF 1
SIZE B			DWG. NO.	1001897.DWG
			REV.	B
			Monterey Bay Aquarium Research Institute	
			7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
			C Tech 2-4cm & Equitech Flowcell	
				

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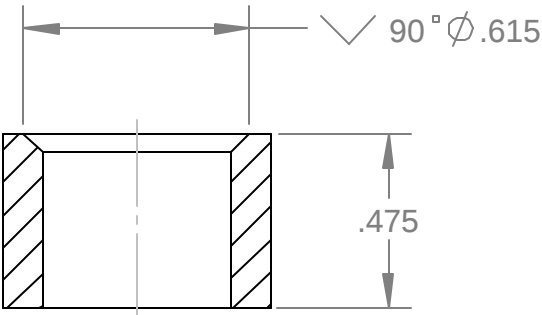
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	1283AHA.DWG	7/8/02
A	3 - C TECH PROBE TIP LENGTHS	J. SCHOLFIELD	4/8/03
B	C- TECH FLOWCELL TIP RELIEF	J. SCHOLFIELD	5/23/03



SECTION C-C



SECTION D-D



SHEET 2 - PROBE NUT

6			Lock ring	PEEK
5			Equitech flowcell (Config A and B)	PEEK
4			C-tech flowcell (Config A and B)	PEEK
3			Probe riser	PEEK
2			Probe nut (Config A and B)	PEEK
1			Endcap	Polycarbonate (see 123jaha.DWG)

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
1 PLACE DIM $\pm .010$	2 PLACE DIM $\pm .005$	3 PLACE DIM $\pm .002$	ANGLES $\pm .005$	DRAWN: Hans Jannasch 7/8/02
1. DIMENSIONS ARE IN INCHES			ENGINEER	
2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED	
3. REMOVE BURRS AND SHARP EDGES .015 MAX.			PROJECT NO. 600144	
4. MACHINED FILLET RADII .0150-.030.			PROJECT Chemical Sensors	
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			WEIGHT	
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			SCALE	
DO NOT SCALE DRAWING			CAD FILE: TORNADO/CHEM/SWF/FILES	
			SHEET 1 OF 1	

Monterey Bay Aquarium Research Institute

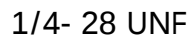
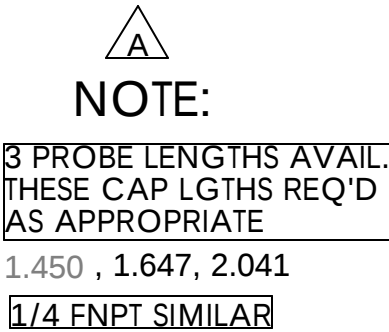
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (408) 775-1700



C Tech 2-4cm & Equitech Flowcell

SIZE B DWG. NO. 1001897.DWG REV. B

REVISIONS				
REV.	DESCRIPTION		DATE	APPROVED
	INITIAL RELEASE		7/8/02	
A	3 - C TECH PROBE TIP LENGTHS	J. SCHOLFIELD	4/8/03	
B	C- TECH FLOWCELL TIP RELIEF	J. SCHOLFIELD	5/23/03	



6			Lock ring	PEEK
5			Equitech flowcell (Config A and B)	PEEK
4			C-tech flowcell (Config A and B)	PEEK
3			Probe riser	PEEK
2			Probe nut (Config A and B)	PEEK
1			Endcap	Polycarbonate (see 123jaha.DWG)
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE	
1 PLACE DIM ▲1/16	2 PLACE DIM ▲.02	3 PLACE DIM ▲.005	DRAWN Hans Jannasch	7/18/02
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 CHECKED PROJECT NO. 600144 PROJECT Chemical Sensors	
DO NOT SCALE DRAWING			WEIGHT SIZE B DWG. NO. 1001897.DWG	
			CAD FILE: TORNADO/CHEM/SWFILES SHEET 0 OF 0	

Monterey Bay Aquarium Research Institute

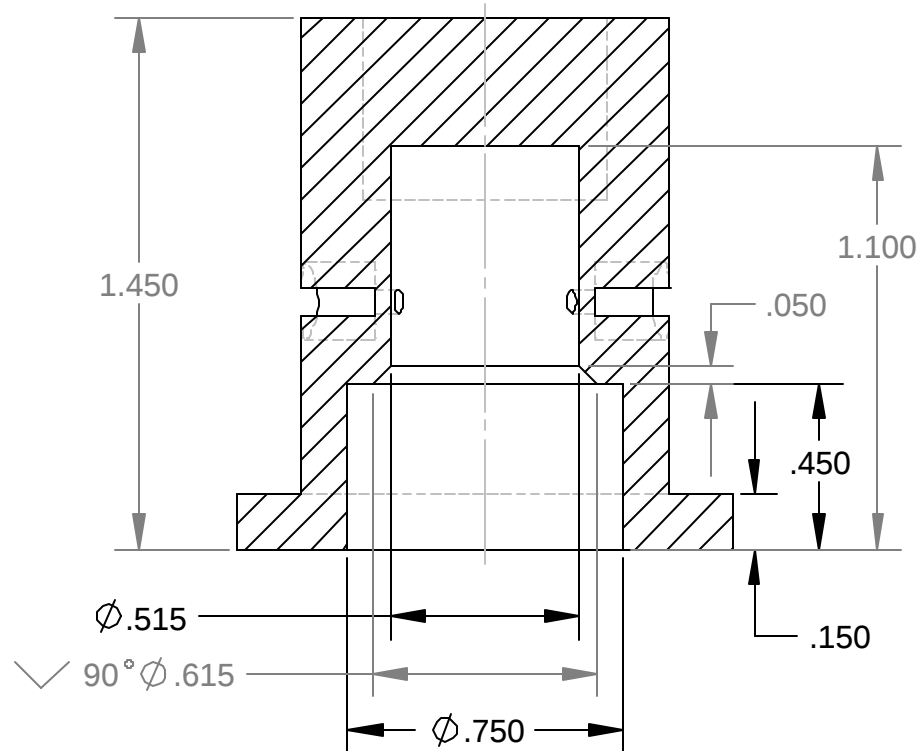
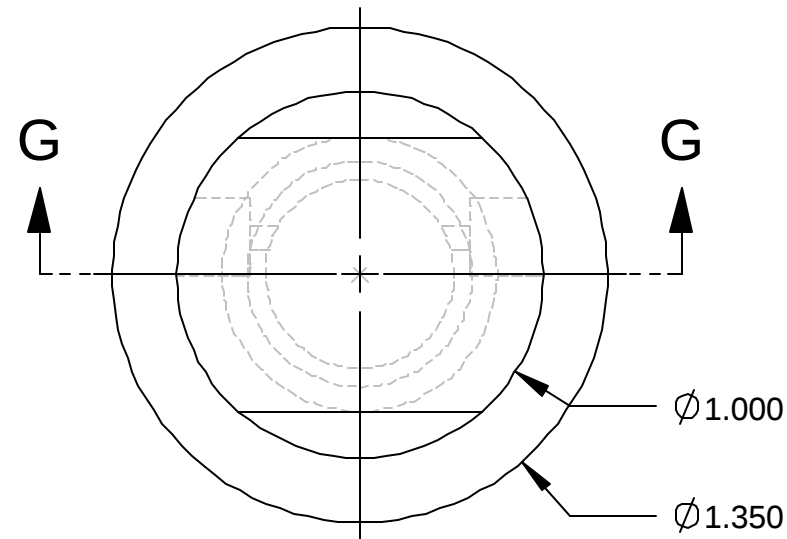
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (408) 775-1700



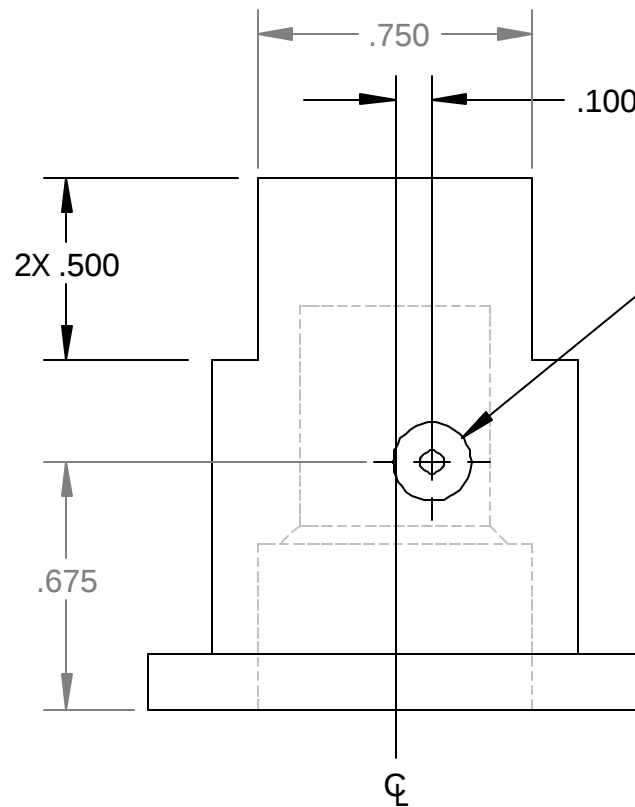
C Tech 2-4cm & Equitech Flowcell

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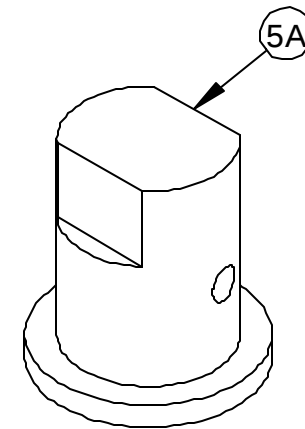
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	128JAHA.DWG	7/18/02
A	3 - C TECH PROBE TIP LENGTH	J. SCHOLFIELD	4/18/03
B	C TECH FLOWCELL TIP RELIEF	J. SCHOLFIELD	5/23/03



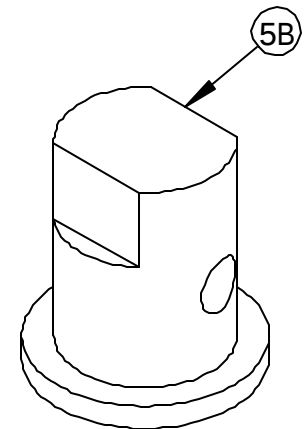
SECTION G-G



2X $\square$ $\varnothing$.213 ∇ .250
 tap 1/4-28 UNF-2B ∇ .200
 Bottom flat to .002
 $\varnothing$.063 ∇ .300
 $\varnothing$.050 thru



1/4 28 UNF



1/4 FNPT

SHEET 4- EQUITECH FLOWCELL TOP

6			Lock ring	PEEK
5			Equitech flowcell (Config A and B)	PEEK
4			C-tech flowcell (Config A and B)	PEEK
3			Probe riser	PEEK
2			Probe nut (Config A and B)	PEEK
1			Endcap	Polycarbonate (see 123jaha.DWG)
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:					APPROVALS DATE		Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700 	
1 PLACED DIM .01/16	2 PLACED DIM .002	3 PLACED DIM .005	ANGLES .1	DRAWN Hans Jannasch	7/8/02			
1. DIMENSIONS ARE IN INCHES				ENGINEER				
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED				
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		600144		
4. MACHINED FILLET RADII .0150-.030.				PROJECT		Chemical Sensors		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT				
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX. .012 INCHES FOR SINGLE SURFACE.								
DO NOT SCALE DRAWING						C Tech 2-4cm & Equitech Flowcell		
				SIZE B		DWG. NO. 1001897.DWG		
				SCALE		CAD FILE: TORNADO/CHEM/SWFILES		
						REV. B		
						SHEET 0 OF 0		

