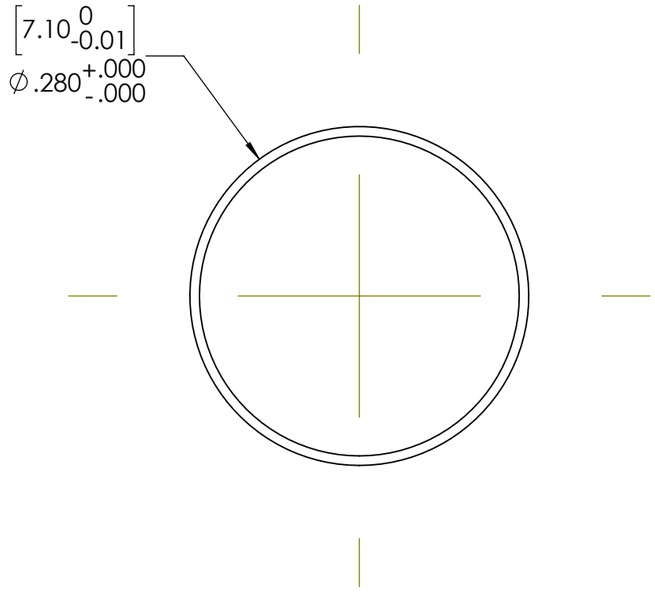
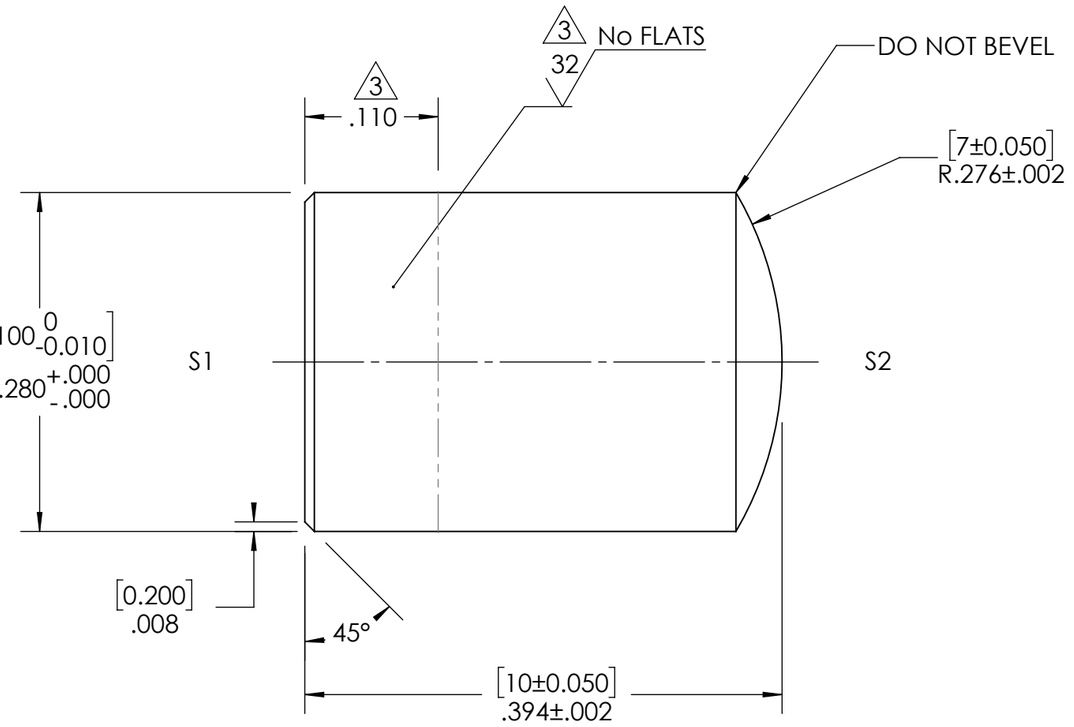
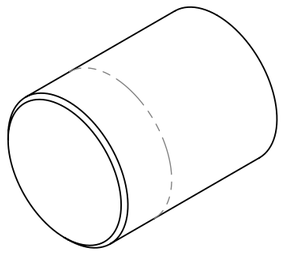
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
B2	3	ADDED SURFACE FINISH & DIM'S	9/21/2020	J.E.

SURFACE DATA TABLE								
SURFACE	RADIUS	TOL.	CCV	CVX	POWER	IRR	SCR/DIG	CA
S1	PLANO	1/2 fr P-V					60-40	5.0
S2	7.00	+/- .050		X		1 fr	60-40	5.0





1. Element per MIL-PRF-13830.
2. S1, S2 polished - other surfaces fine ground.
3. Bevel S1 only at 45º X 0.2 ± 0.1 deep (leg).
4. Flatness and irregularity are fringes @ 633nm
5. Centering < 6 minutes deviation.



7. PROJECT LIBRARY:\ChemSensors\JonE\Equitech_LR4_Lens_Retainer

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL
1	1	L4b-UV Rev.3	EquiTech Lens Rev.3	PFG Optics	Corning 7980 Standard UV Grade 2-F

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 J. ERICKSON	
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER J. ERICKSON	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. 901217	
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.		PROJECT CHEM S.	
	A-201672-14	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .OO5			
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		WEIGHT 0.002	

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

EQUITECH - ISUS PROBE

EquiTech Lens Rev.3 Fused Silica 7.1mm PL/CX Lens

SIZE	DWG. NO.	REV.
B	L4b-UV Rev.3.DWG	3
SCALE 8:1	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1