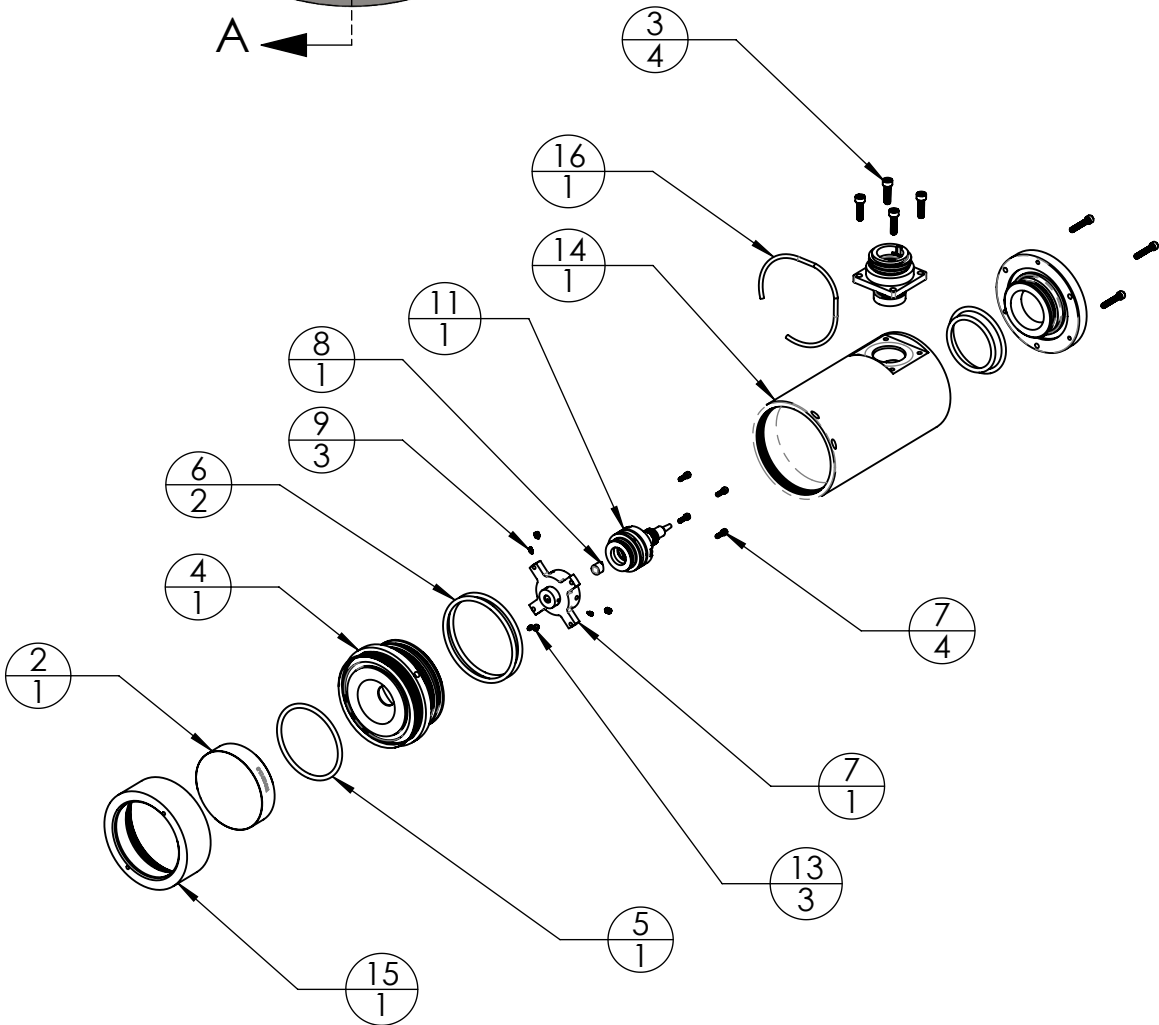
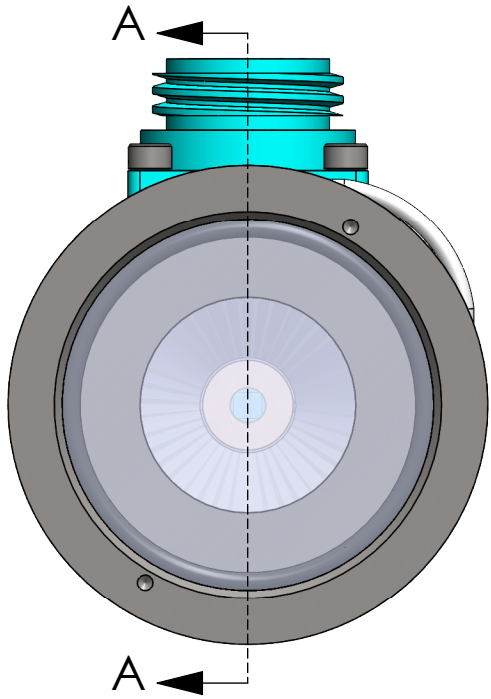


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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

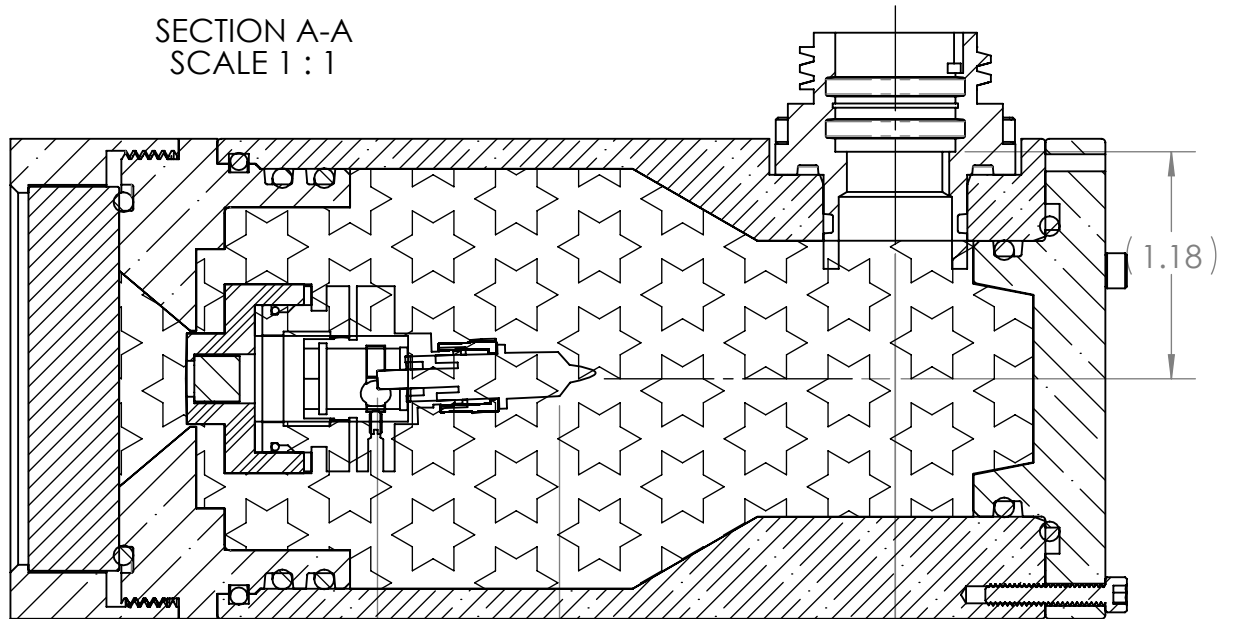


9. SWD = 4,000 m.

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7

NOTES: (CONT. FROM TITLE BLOCK)

SECTION A-A
SCALE 1 : 1



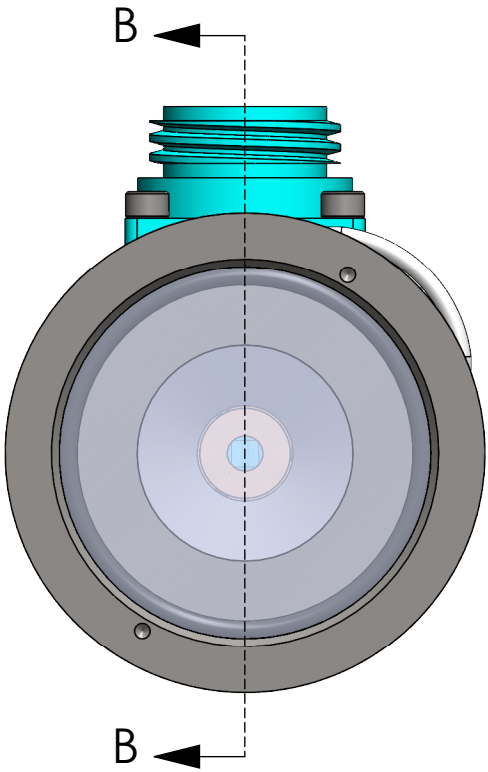
21	1		(1.75)		
20	1	#2-xxx-70N	O-RING		BUNA - N
19	1	#2-xxx-70N	(2.70) O-RING		BUNA - N
18	1	P-202066-19	PIV Fiber R.A. End Cap_V2	MBARI	6AL-4V Titanium
17	3	95435A362	#4-40 x 5/8 Soc Hd Cap Screw	McMaster-Carr	Titanium Gr2
16	1	???????	.090 Dia. Poly Propylene Rod	Professional Plastics	
15	1	P-201790-19	PIV Port Retainer Ring V7	MBARI	6AL-4V Titanium
14	1	P-210786-19	Remote Head Laser Housing R.A._V7	MBARI	6AL-4V Titanium
13	3	91217A055	M3x4mm ConePt.	McMaster-Carr	AISI 304
12	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter	Coastal Connections	
11	1	Schäfter+Kirchhoff 60SMS-1-0-A6.2S-01	Shafter Fiber Collimator (sldprt)	Shafter	
10	4	92185A077	#2-56 x 1/4 Soc Hd Cap	McMaster-Carr	AISI 316
9	3	93285A009	M2 x 3mm Nylon-Tip	McMaster-Carr	AISI 304
8	1	LOCP-6.0R60-1.4	Powell Lens 60 1.4 mm beam	LaserLine Optics Canada Inc.	
7	1	P-201965-18	Powell Lens Adaptor - Shafter	MBARI	PEEK
6	2	2-136 70-N	O-RING		BUNA - N
5	1	2-132 70-N	O-RING		BUNA - N
4	1	P-201783-16	PIV Housing EndCap_V7	MBARI	6AL-4V Titanium
3	4	95435A485	#6-32 x 1/2 Soc Hd Cap Screw	McMaster-Carr	Titanium Gr2
2	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm	THOR LABS	
1	1	MinK-FCR	Seacon MinK-FCR Shell	Seacon	AISI 316
ITEM NO.	Explode/QTY.	Part_Number	DESCRIPTION	Revision	Vendor
					MATERIAL

BILL OF MATERIALS

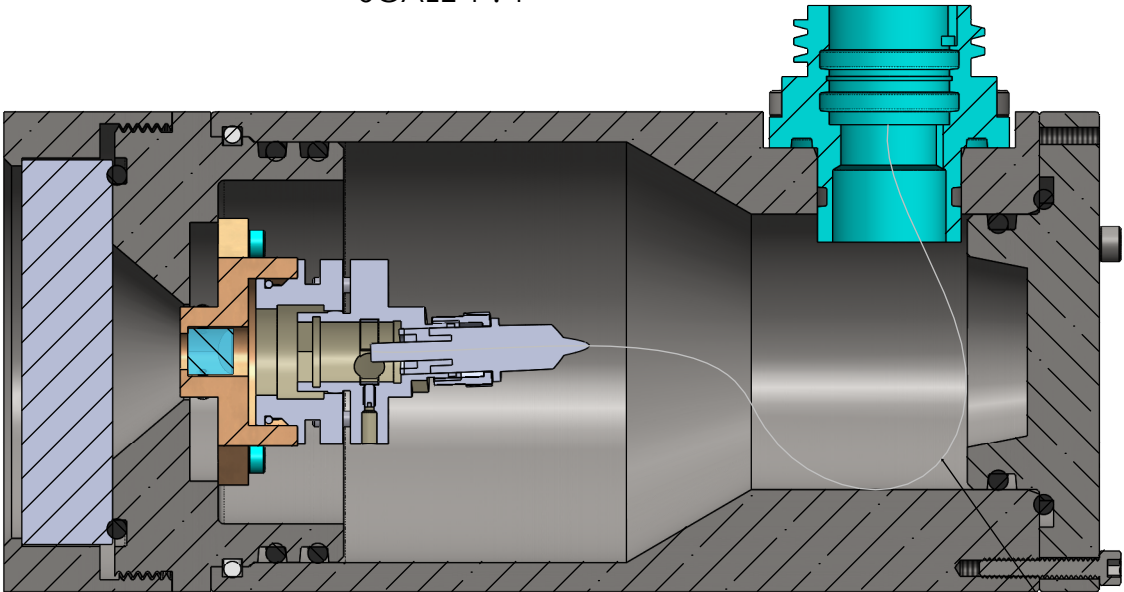
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	2/27/19		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
Shop Foreman		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	J. ERICKSON	2/27/19				
Engineer						CHECKED						
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506			PIV REMOTE LASER HEAD Remote Laser Head Assembly V7		
						PROJECT	Deep PIV					
Application		DO NOT SCALE DRAWING				WEIGHT	2.543			SIZE B	DWG. NO. A-201785-19.DWG	REV.
										SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 3

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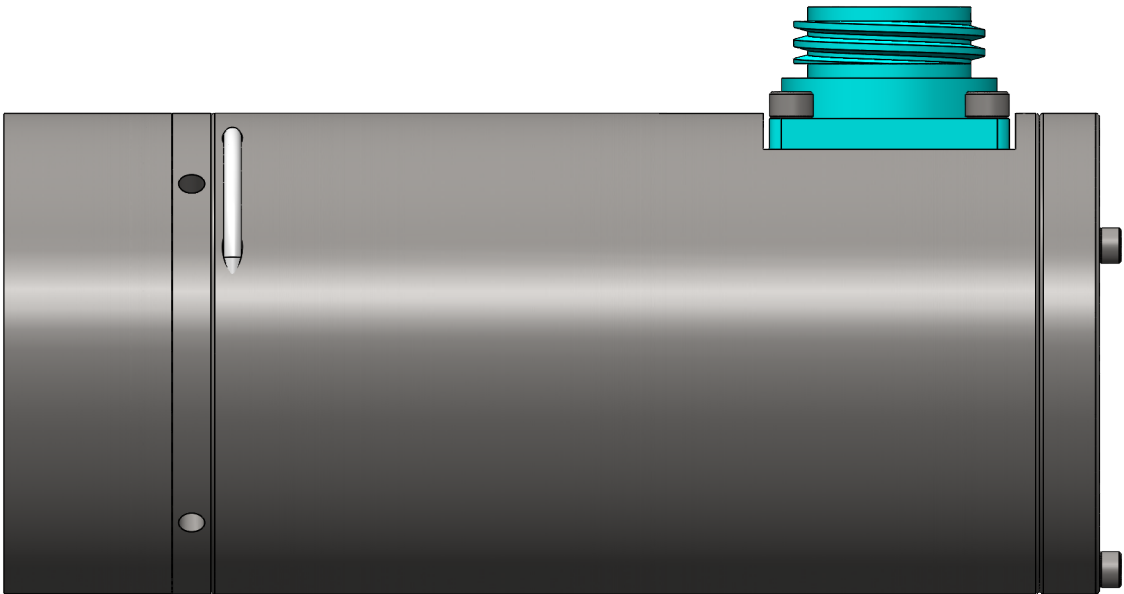
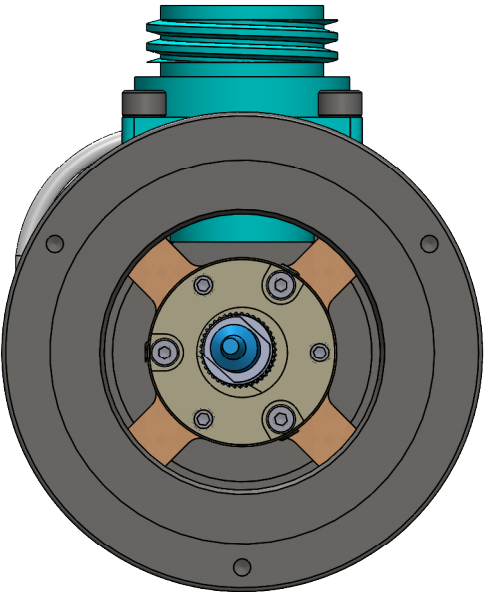
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



SECTION B-B
SCALE 1 : 1

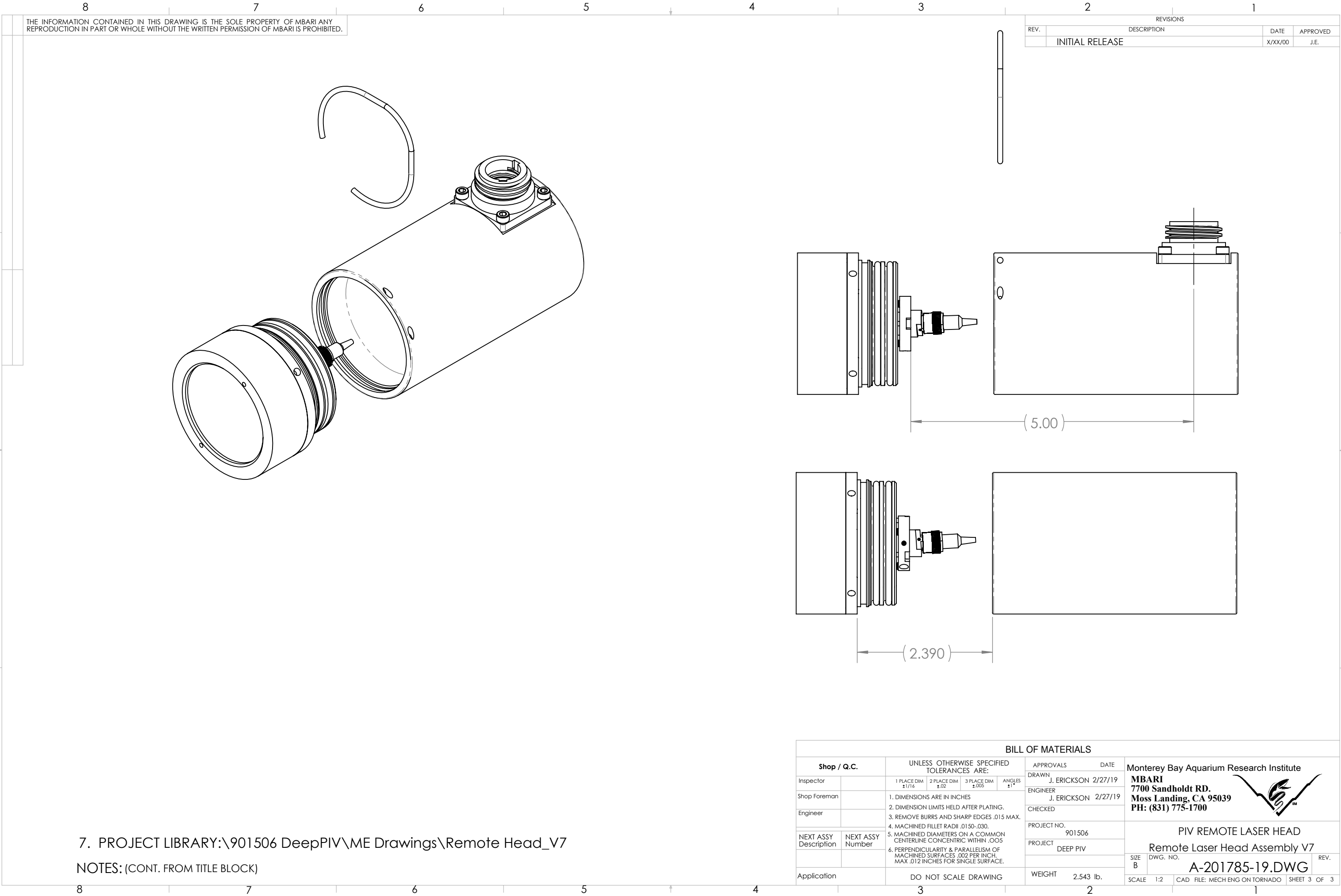


Length 5.140



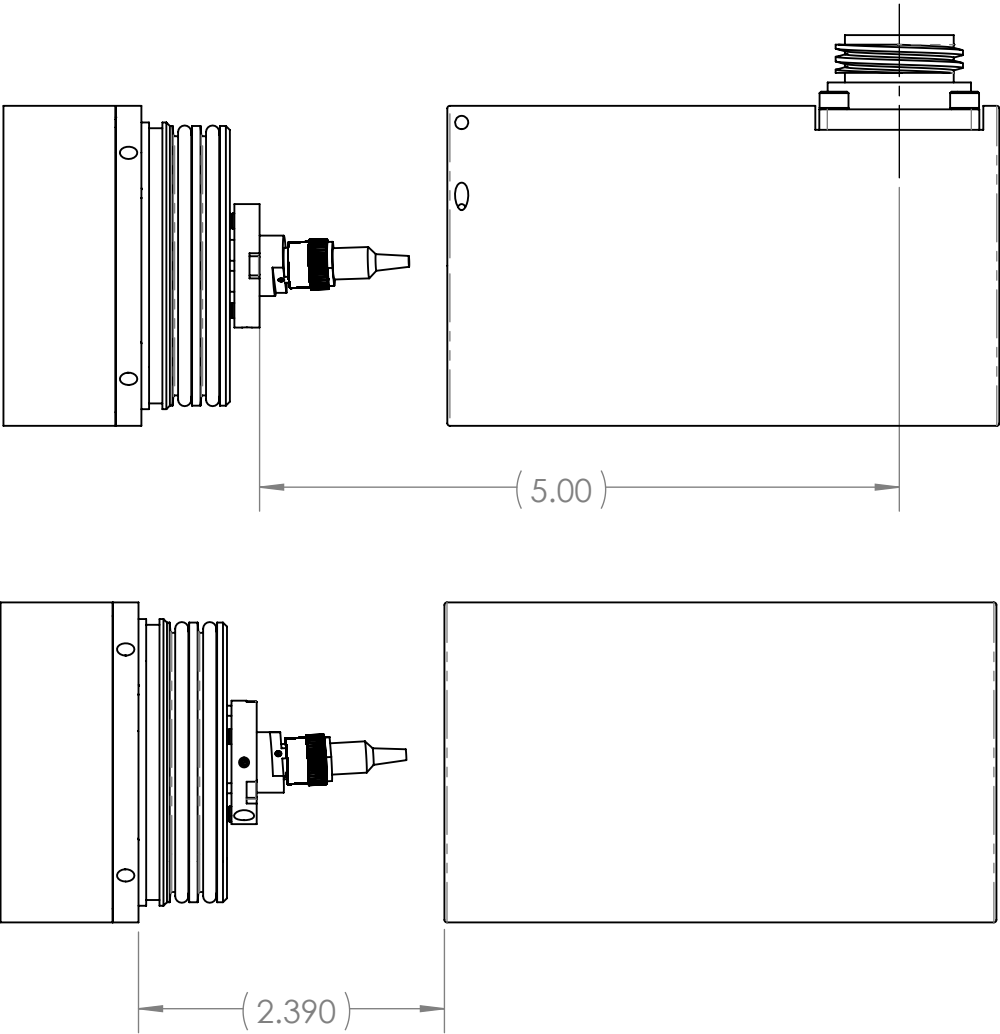
7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7
NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	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°
Shop Foreman		1. DIMENSIONS ARE IN INCHES			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			
		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		PROJECT NO. 901506	
				PROJECT DEEP PIV	
				WEIGHT 2.543 lb.	
				Monterey Bay Aquarium Research Institute	
				MBARI	
				7700 Sandholdt RD.	
				Moss Landing, CA 95039	
				PH: (831) 775-1700	
					
				PIV REMOTE LASER HEAD	
				Remote Laser Head Assembly V7	
		SIZE B		DWG. NO. A-201785-19.DWG	
		SCALE 1:2		REV.	
		CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 3	



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON 2/27/19		
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	J. ERICKSON 2/27/19		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506		
						PROJECT	DEEP PIV		
Application		DO NOT SCALE DRAWING				WEIGHT	2.543 lb.	SIZE B	DWG. NO. A-201785-19.DWG
						SCALE	1:2	CAD	FILE: MECH ENG ON TORNADO
								SHEET 3	OF 3