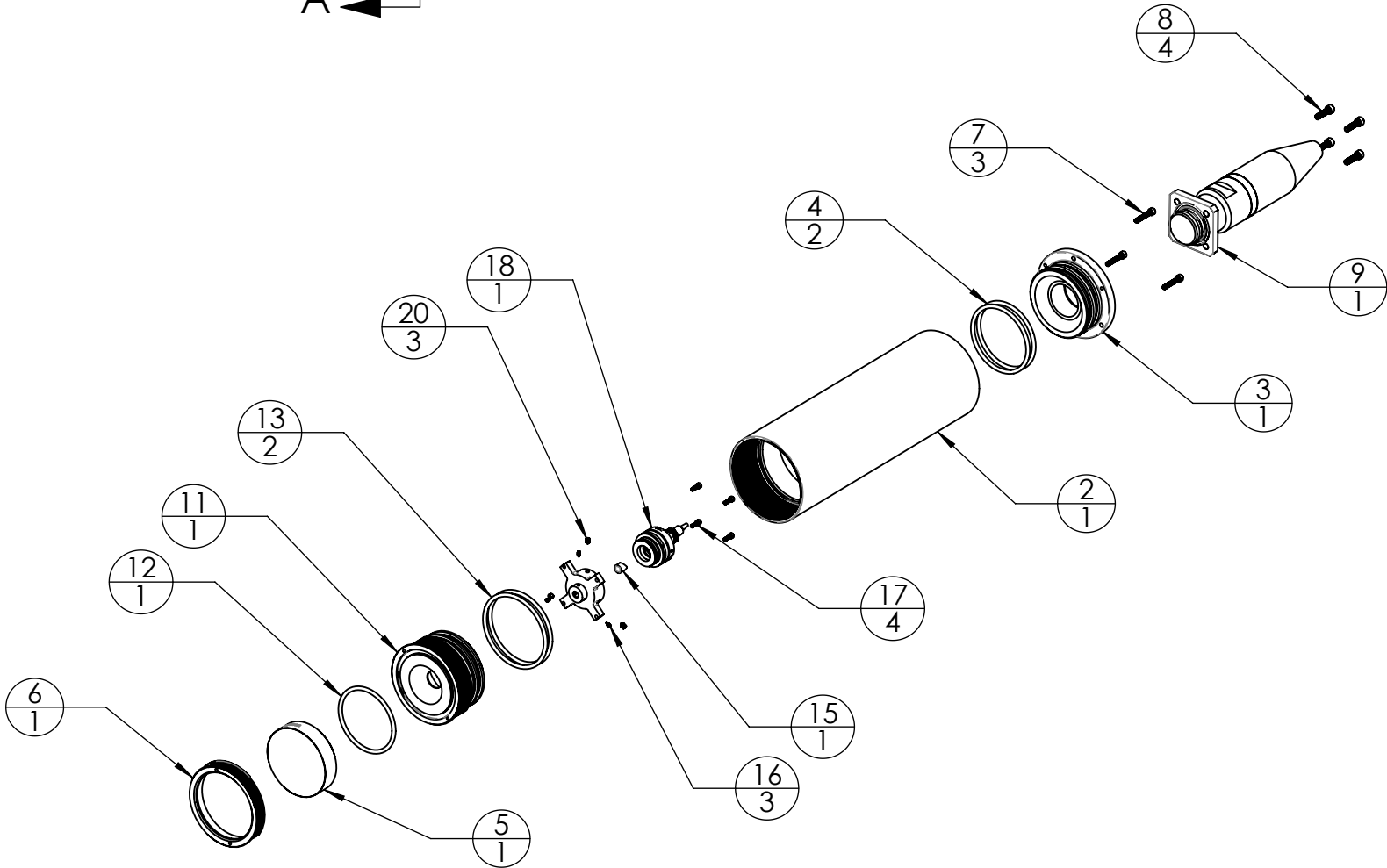
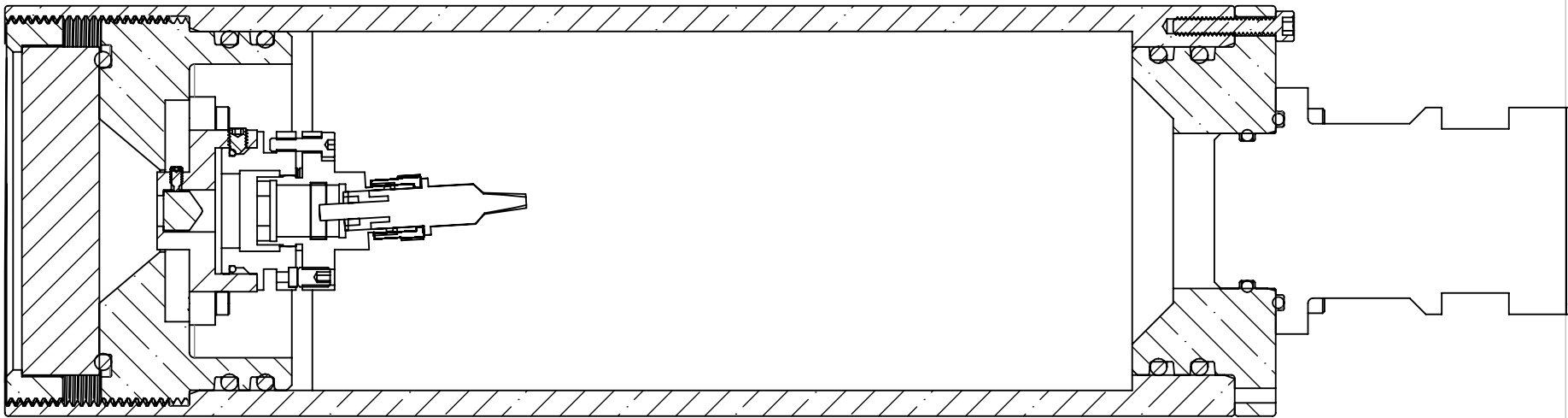
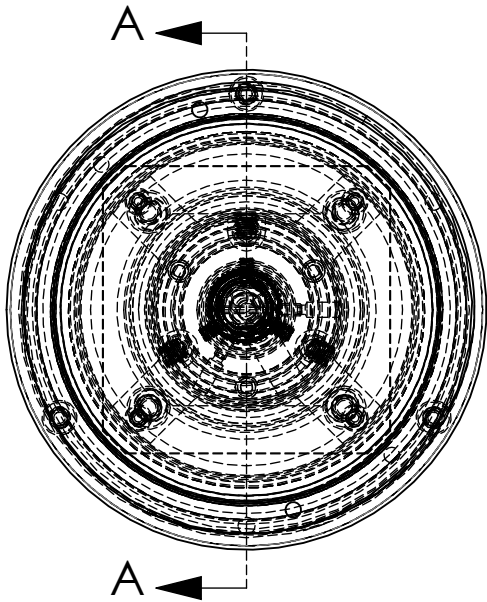


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SECTION A-A
SCALE 1 : 1

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



9. SWD = 4,000 m.9
8. Water Weight = 1.62852
7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly\Remote Head

NOTES: (CONT. FROM TITLE BLOCK)

20	3	91217A055	M3x4mm ConePt.		McMaster-Carr	AISI 304
19	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter		Coastal Connections	
18	1	Schöfter+Kirchhoff 60SMS-1-0-A6.2S-01	Shafter Fiber Collimator (slaprt)		Shafter	
17	4	92185A077	#2-56 x 1/4 Soc Hd Cap		McMaster-Carr	AISI 316
16	3	93285A009	M2 x 3mm Nylon-Tip		McMaster-Carr	AISI 304
15	1	LOCP-6.0R60-1.4	Powell Lens 60 1.4 mm beam		LaserLine Optics Canada Inc.	
14	1	P-201965-18	Powell Lens Adaptor - Shafter		MBARI	PEEK
13	2	2-136 70-N	O-RING			BUNA - N
12	1	2-132 70-N	O-RING			BUNA - N
11	1	P-201783-16	PIV Housing EndCap_V3		MBARI	6AL-4V Titanium
10	1		Interior Parts Assembly - Shafter		MBARI	
9	1		FCR OptoLink Fiber Penetrator		Seacon	
8	4	95435A485	#6-32 x 1/2 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
7	3	95435A362	#4-40 x 5/8 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
6	1	P-201790-16	PIV Port Retainer Ring		MBARI	6AL-4V Titanium
5	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
4	2	#2-133-70-N	O-RING			BUNA - N
3	1	P-201782-16	PIV Fiber End Cap		MBARI	6AL-4V Titanium
2	1	P-210786-18	Remote Head Laser Housing V3	A	MBARI	6AL-4V Titanium
1	1		External Pressure Case Assembly		MBARI	
ITEM NO.	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	2/10/16		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	2/10/16					
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506			REMOTE LASER HEAD Remote Laser Head Assembly V4			
						PROJECT	Deep PIV						
Application		DO NOT SCALE DRAWING				WEIGHT	2.304			SIZE B	DWG. NO.	REV.	
										SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1	