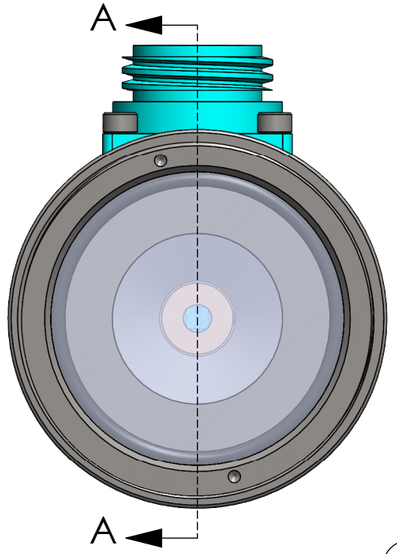
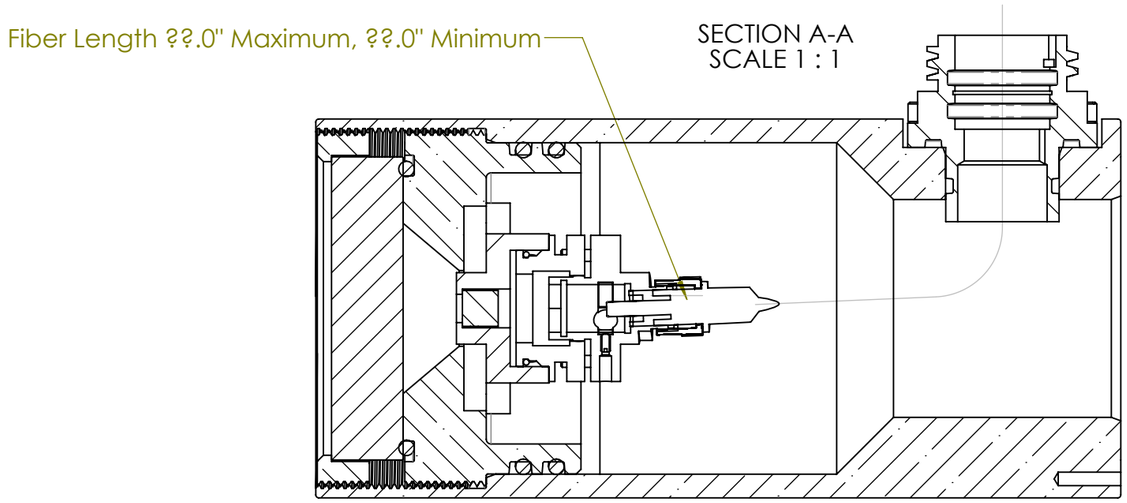
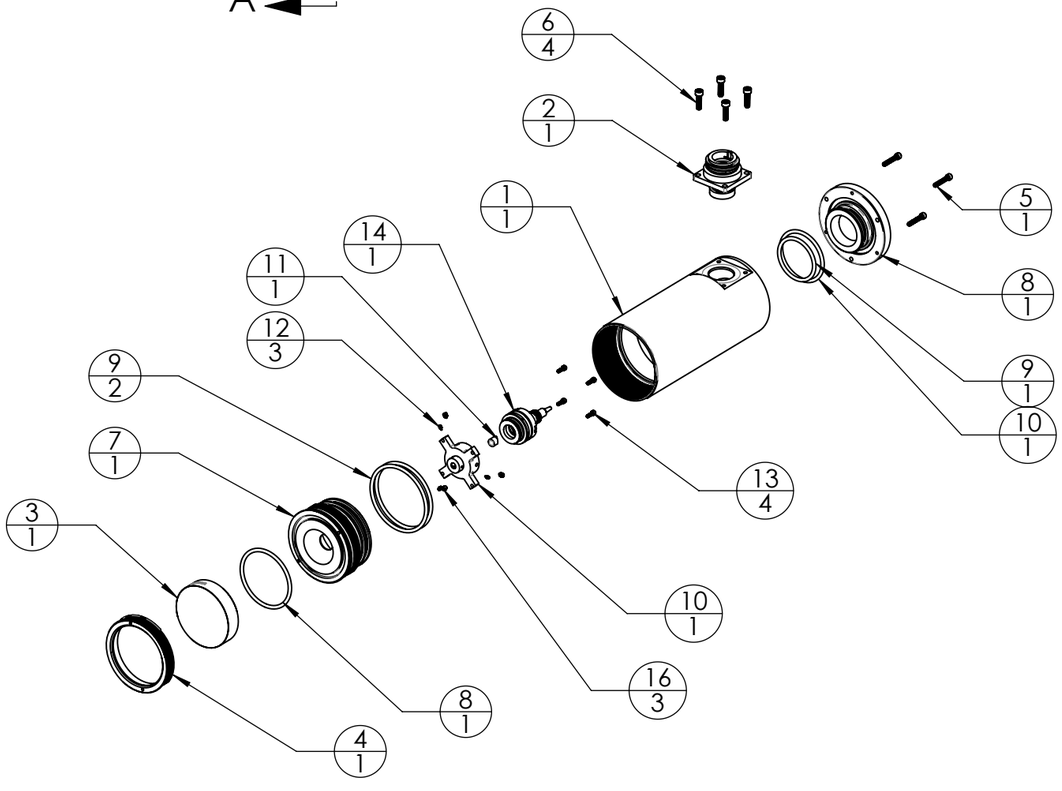
REVISIONS			
	INITIAL RELEASE	X/XX/01	J.E.







9. SWD = 4,000 m.
8. Water Weight =1.72022
7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly\Remote Head_V5

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	Explode/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL
16	3	91217A055	M3x4mm ConePt.		McMaster-Carr	AISI 304
15	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter		Coastal Connections	
14	1	60SMS-4-xx-K1	Shafter Fiber Collimator (sldprt)		Shafter	
13	4	92185A077	#2-56 x 1/4 Soc Hd Cap		McMaster-Carr	AISI 316
12	3	93285A009	M2 x 3mm Nylon-Tip		McMaster-Carr	AISI 304
11	1	LOCP_6.0R60_Narrow Beam	Powell Lens 60		LaserLine Optics Canada Inc.	
10	1	P-201965-18	Powell Lens Adaptor - Shafter		MBARI	PEEK
9	2	2-136 70-N	O-RING			BUNA - N
8	1	2-132 70-N	O-RING			BUNA - N
7	1	P-201783-16	PIV Housing EndCap_V3		MBARI	6AL-4V Titanium
6	4	95435A485	#6-32 x 1/2 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
5	1	95435A362	#4-40 x 5/8 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
4	1	P-201790-16	PIV Port Retainer Ring		MBARI	6AL-4V Titanium
3	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
2	1	MinK-FCR	Seacon MinK-FCR Shell		Seacon	AISI 316
1	1	P-210786-19	Remote Head Laser Housing R.A._V6	A	MBARI	6AL-4V Titanium

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	2/10/16
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER J. ERICKSON	2/10/16
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.					
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.				PROJECT NO.	901506
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT	Deep PIV
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.					
Application		DO NOT SCALE DRAWING				WEIGHT	2.131

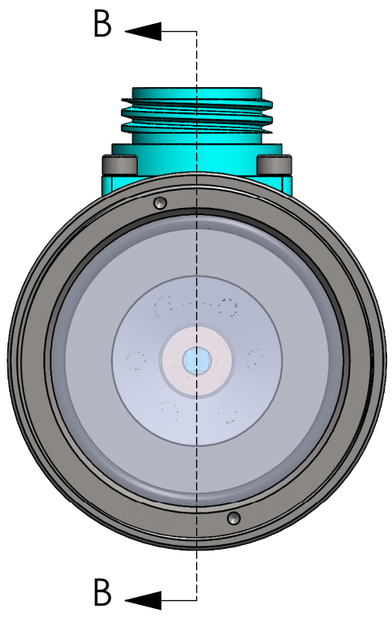
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

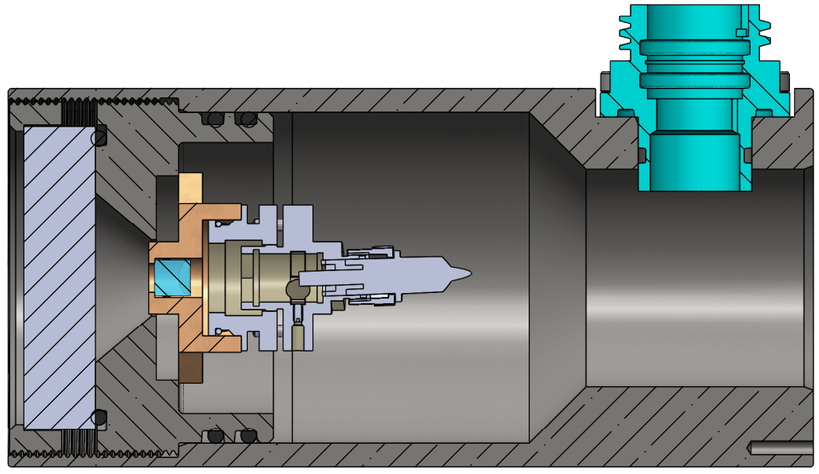
REMOTE LASER HEAD
Remote Laser Head Assembly V6

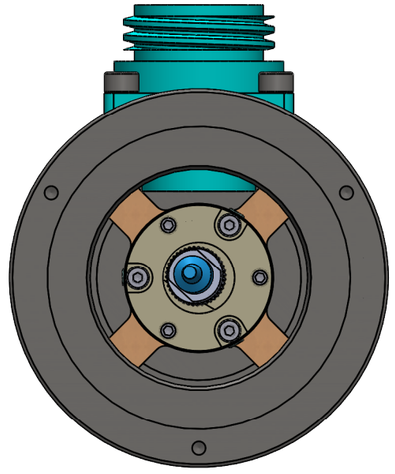
SIZE	DWG. NO.	REV.
B	A-201785-19.DWG	

SCALE 1:4 | CAD FILE: MECH ENG ON TORNADO | SHEET 1 OF 2

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







SECTION B-B
SCALE 1 : 1

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly\Remote Head_V5

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°		DRAWN J. ERICKSON	2/10/16
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER J. ERICKSON	2/10/16
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO.	XXX
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.		PROJECT	ZZZZZZZZ
		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		WEIGHT	2.131 lb.

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

PROJECT NAME
Remote Laser Head Assembly V6

SIZE	DWG. NO.	REV.
B	A-201785-19.DWG	

SCALE 1:2 | CAD FILE: MECH ENG ON TORNADO | SHEET 2 OF 2