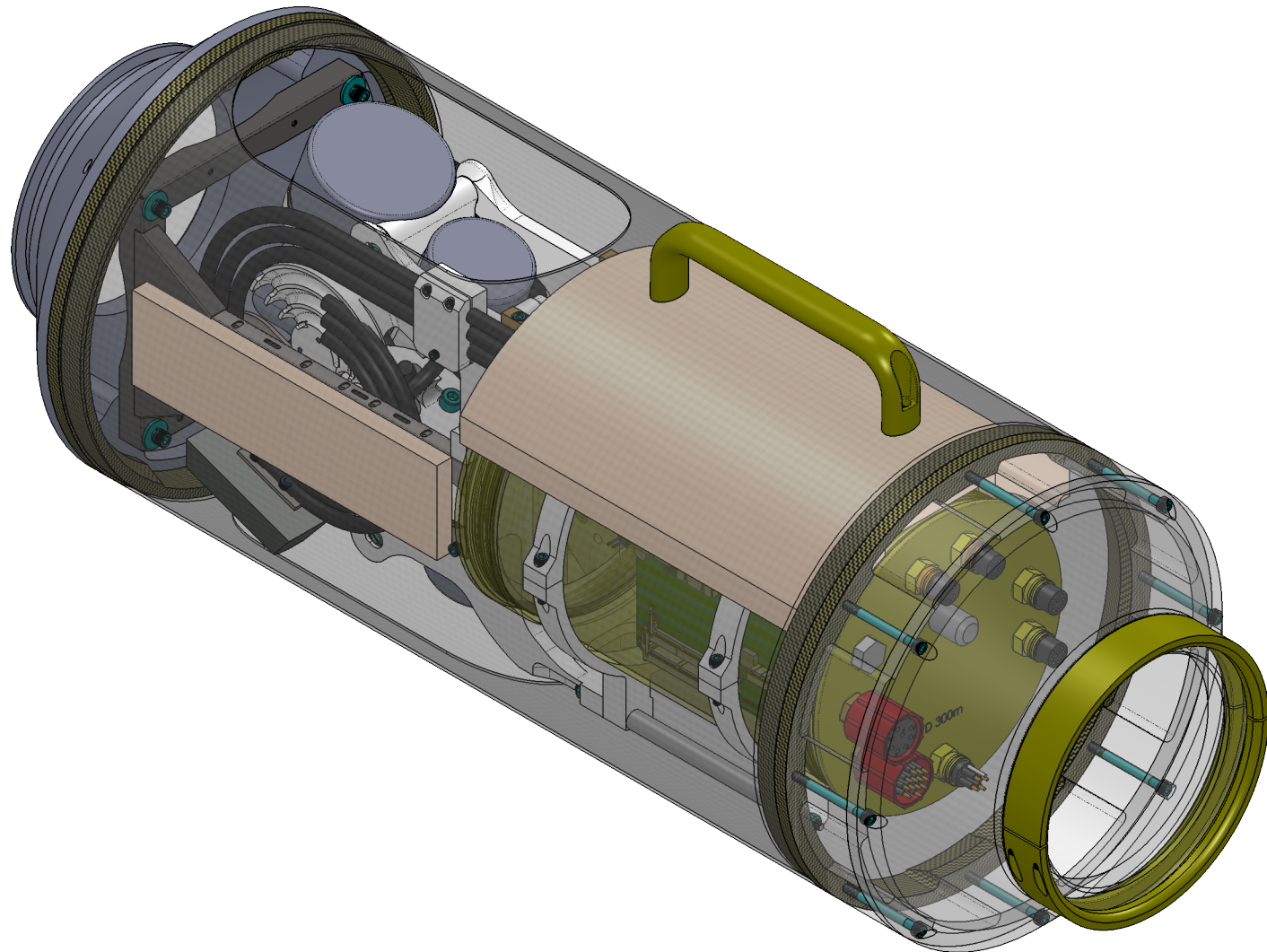


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



$$\text{Water Weight} = 2.351 - 3.356 - (2 \cdot .391) = -1.787$$

17	2	P-221715-22	EK-80 Gimbal Floatation		0.102	-0.390739	Ideal Instruments	Gurit Core Cell S1200 (13.1 #/ft^3)
16	1	P-221714-22	EK-80 Gimbal Floatation		0.875	-3.35599	Ideal Instruments	Guit CoreCell S1200 13.1 lb/cu. ft.
15	1	A-221701-22	V-Band Assembly		0.673	0.428065		Material <not specified>
14	8	92185A225	#10-32x2.75_Sckt Hd Scrw		0.0245	0.021314	McMaster-Carr Supply Company	316 Stainless Steel
13	8	92185A991	#10-32 x 3/4 Sckt Hd Cap		0.008	0.0073062	McMaster-Carr	AISI 316
12	1	5190A330	Aluminum Handle		0.517	0.322728	McMaster-Carr Supply Company	6061-T6 Alloy
11	1	P-221405-20	Shell Cone - FWD_As-Built		1.775	-0.051674	MBARI	PA12
10	1	P-221xxx-22	FWD Shell Spacer		1.216	-0.035399	MBARI	PA12
9	1	A-100221403-20	PVC Shell Assembly		5.166	1.97661	MBARI	
8	1	A-201408-20	EK80 Payload Case Top Level Assembly		12.505	-9.56384	MBARI	Material <not specified>
7	1	A-221xxx-22	Case Frame Assembly		1.199	0.432077	MBARI	
6	4	92185A506	1/4-20x1-3/8_316 S.S. Sckt Hd Scrw		0.0226	0.0197267	McMaster-Carr Supply Company	AISI 316
5	4	94241A270	1/4 316 S.S. Sckt Hd Split Lock Washer		0.0011	0.000982558	McMaster-Carr Supply Company	AISI 316
4	4	93852A131	1/4_USS Washer		0.008	0.0073062	McMaster-Carr Supply Company	AISI 316
3	1	A-202xxx-20	GimBacConceptC3		14.910	8.67572	MBARI	
2	1	P-221404-20	Shell Cone - AFT_As-Built		2.157	-0.062788	MBARI	PA12
1	1				0.003	-2.72228		
ITEM NO.		Part_Number	DESCRIPTION	Revision	Weight	WaterWeight	Vendor	MATERIAL

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								
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.				ENGINEER	J. ERICKSON								
Engineer								CHECKED							
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.				PROJECT NO.		701145.99		EK-80 - REMUS			
								PROJECT		Penguin Hotspots				Top Level Assembly_LONG	
Application		DO NOT SCALE DRAWING				WEIGHT		41.589 lb.		SIZE B		DWG. NO. A-10022xxx-22.DWG		REV.	
										SCALE 1:8		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 2	

7. PROJECT LIBRARY:\701145 Penguin hotspots

NOTES: (CONT. FROM TITLE BLOCK)

