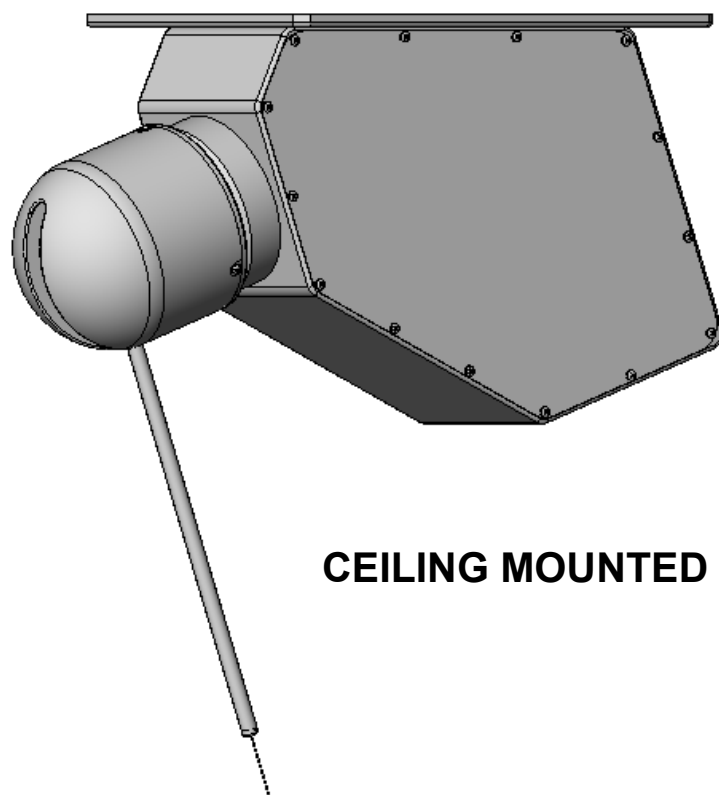
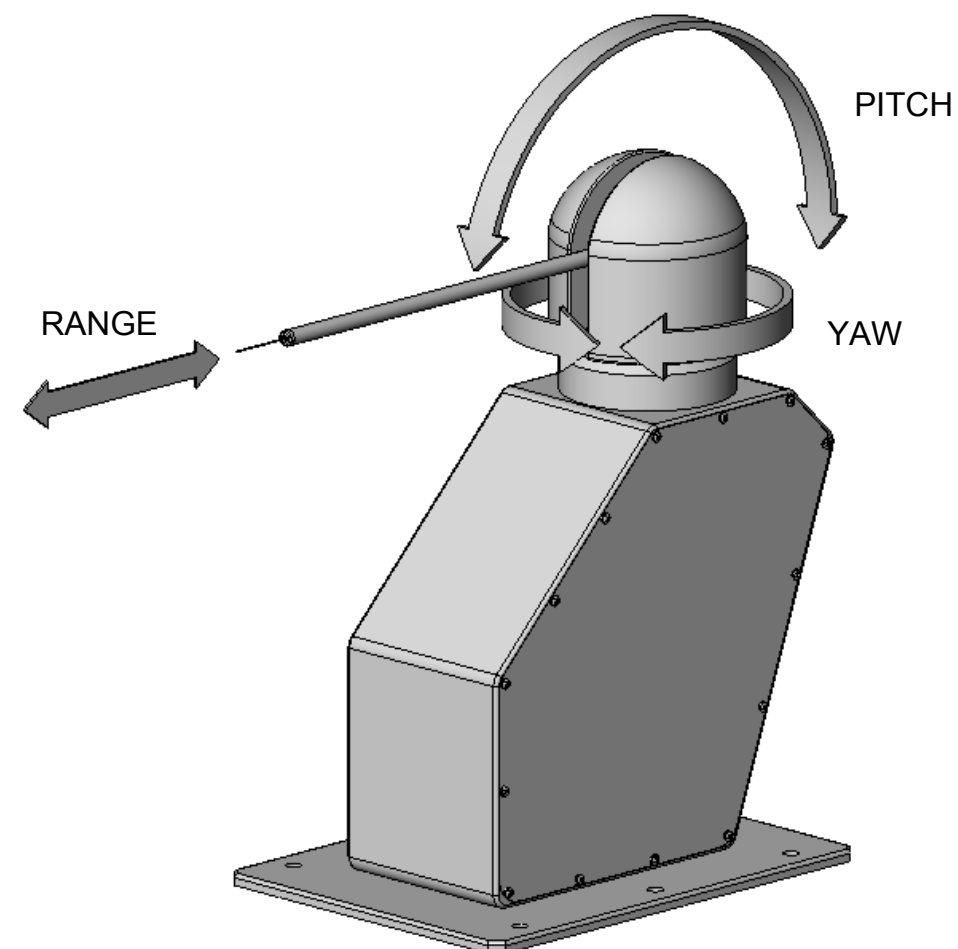
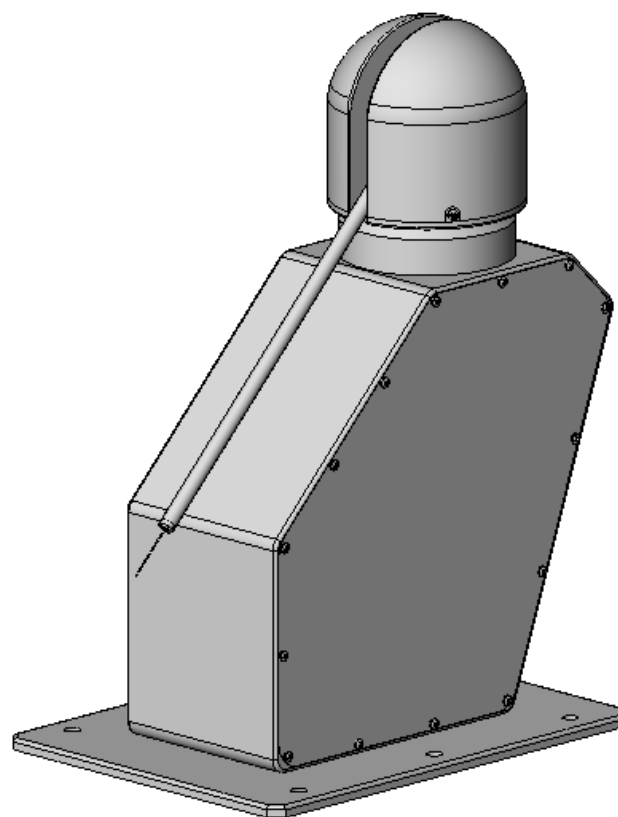
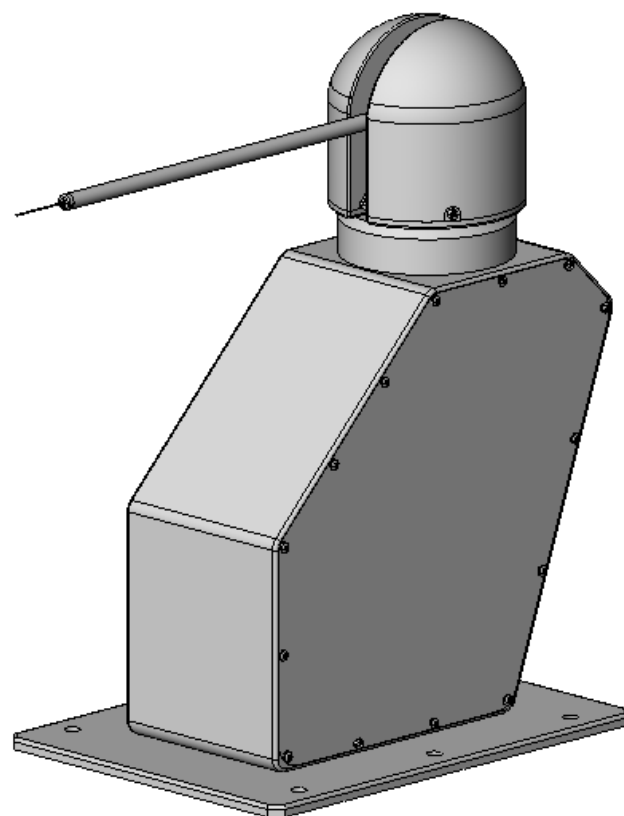
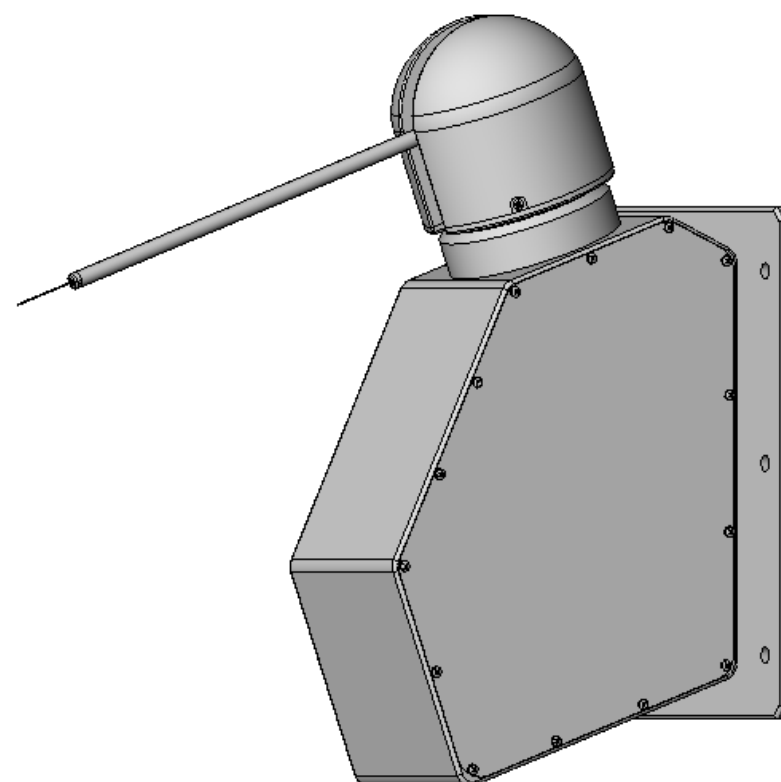


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TABLE-TOP MOUNTED



CEILING MOUNTED




WALL MOUNTED

NOTES: UNLESS OTHERWISE SPECIFIED

1. SENSORS (PITCH, YAW, AND RANGE): INCREMENTAL ENCODERS (A, B, AND INDEX)
2. PITCH RESOLUTION: 91 COUNTS PER DEGREE OF ROTATION (AFTER QUADRATURE)
3. YAW RESOLUTION: 91 COUNTS PER DEGREE OF ROTATION (AFTER QUADRATURE)
4. PITCH RESOLUTION: 2340 COUNTS PER INCH OF CABLE TRAVEL (AFTER QUADRATURE)
5. PRODUCT CONFIGURATIONS: RAW ENCODER OUTPUTS, OR WITH SIGNAL CONDITIONER
6. 3-DIMENSIONAL TRAVEL ENVELOPE OF CABLE (PITCH, YAW, AND RANGE LIMITS): SEE SHEET 2
7. MOUNTING OPTIONS: SEE SHEET 3
7. ENVELOPE DIMENSIONS: SEE SHEET 4 AND 5

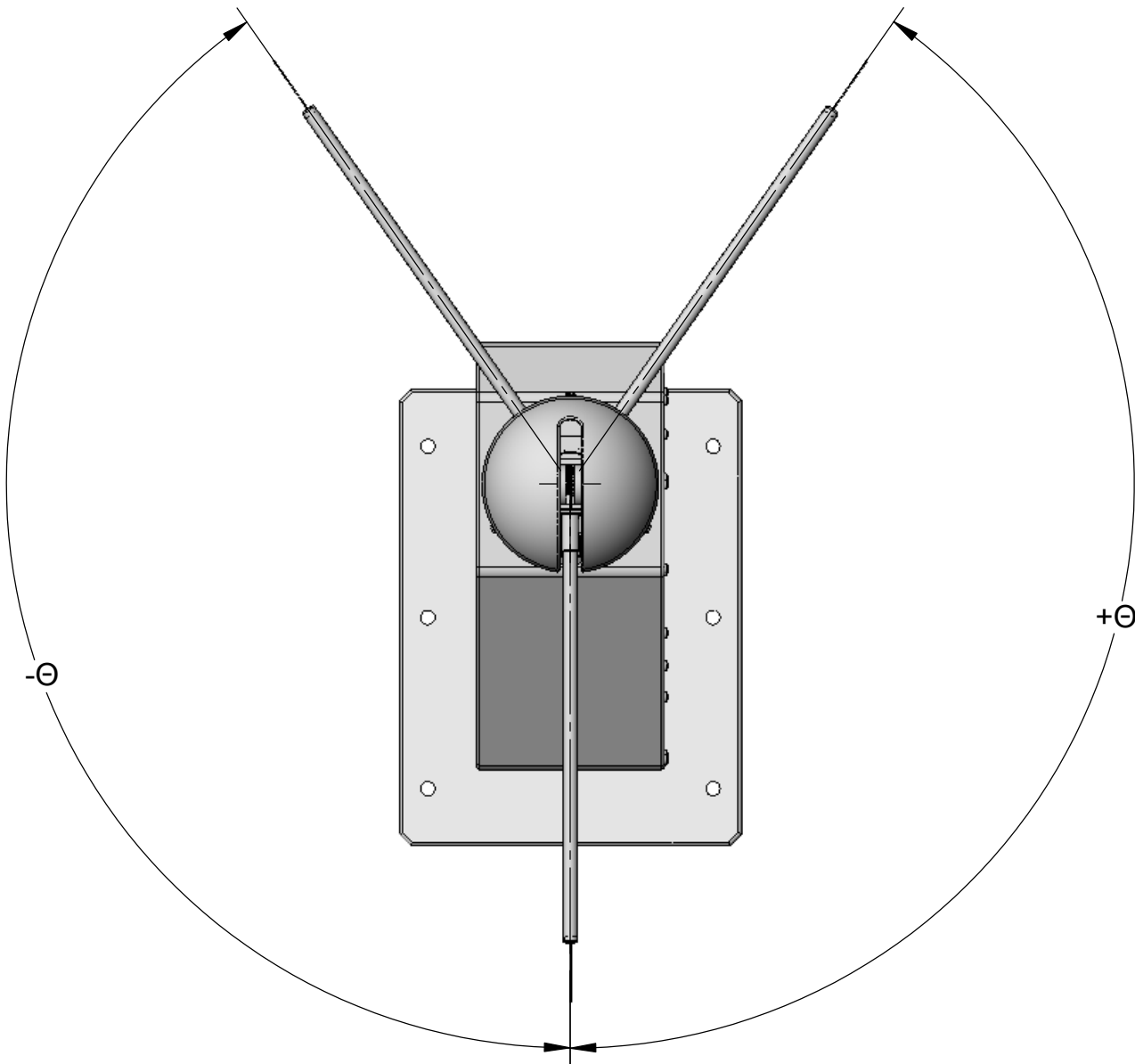
ENVELOPE DRAWING

	1	UC146-000	3D SENSOR		—	
QTY REQD	CAGE CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION	ITEM NO.
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PROJECT 146				
DECIMALS ANGLES		APPROVALS		DATE		
X.X ± 0.03 X° ± 30'		DRAWN		3D SENSOR		
X.XX ± 0.01						
X.XXX ± 0.005		CHECKED				
DO NOT SCALE DRAWING						
MATERIAL		ENG				
FINISH		MFG				
NEXT ASSY		USED ON		SIZE	CAGE CODE	DWG. NO.
APPLICATION		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		B	34851	UC146-000
				SCALE	1:3	CAD FILE:
						SHEET 1 OF 5

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OPERATIONAL ENVELOPE:

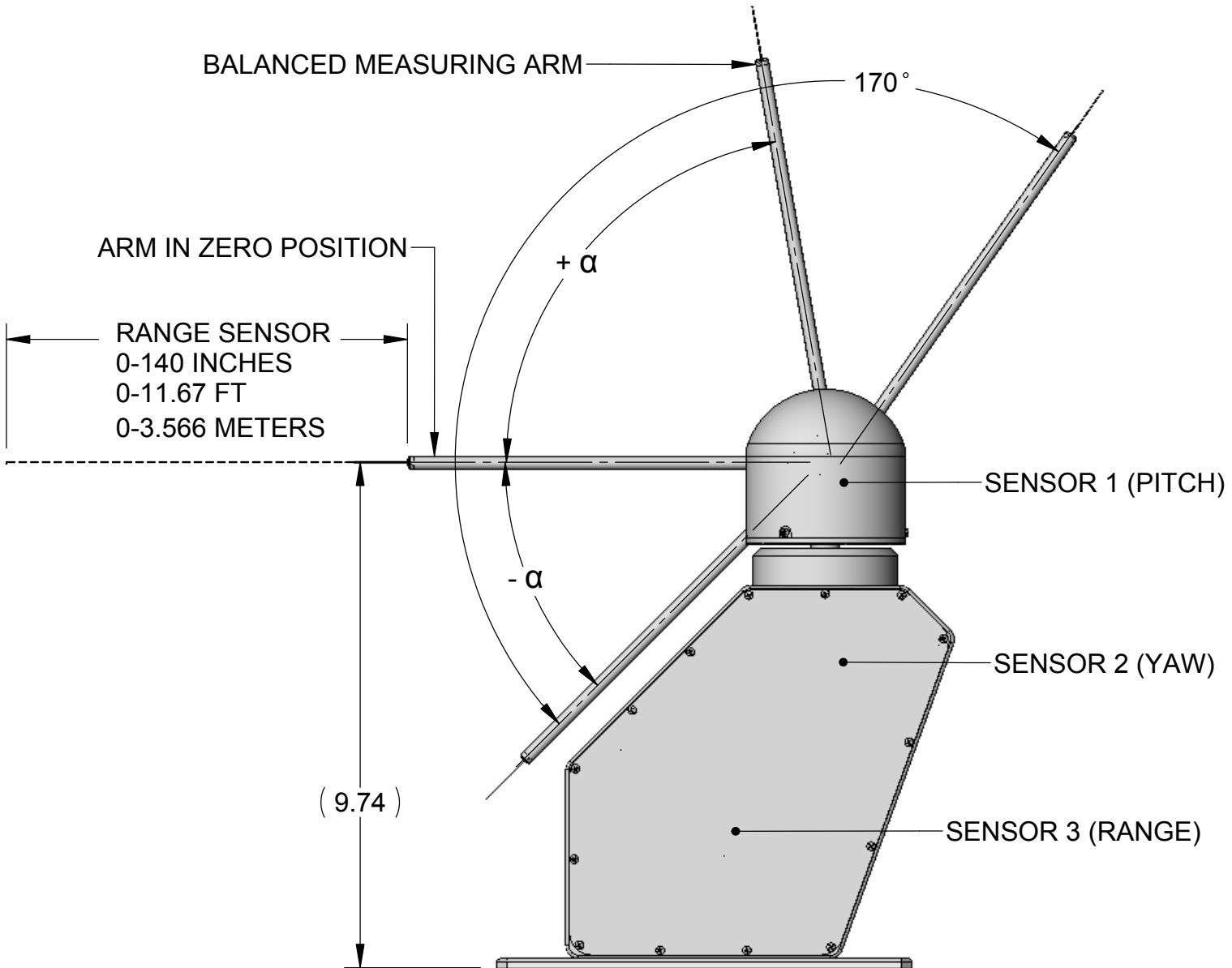
- 1. TOTAL MECHANICAL TRAVEL: 390°
- 2. MECHANICAL TRAVEL IN + Θ DIRECTION: 195°
- 3. MECHANICAL TRAVEL IN - Θ DIRECTION: 195°
- 4. MECHANICAL STOPS AT ENDS OF MECHANICAL TRAVEL



YAW SENSOR

OPERATIONAL ENVELOPE:

- 1. TOTAL MECHANICAL TRAVEL: 170°
- 2. MECHANICAL TRAVEL IN + α DIRECTION: 125°
- 3. MECHANICAL TRAVEL IN - α DIRECTION: 45°
- 4. USEFUL MECHANICAL TRAVEL IN + α : 80° (FOR OPTIMUM PERFORMANCE)

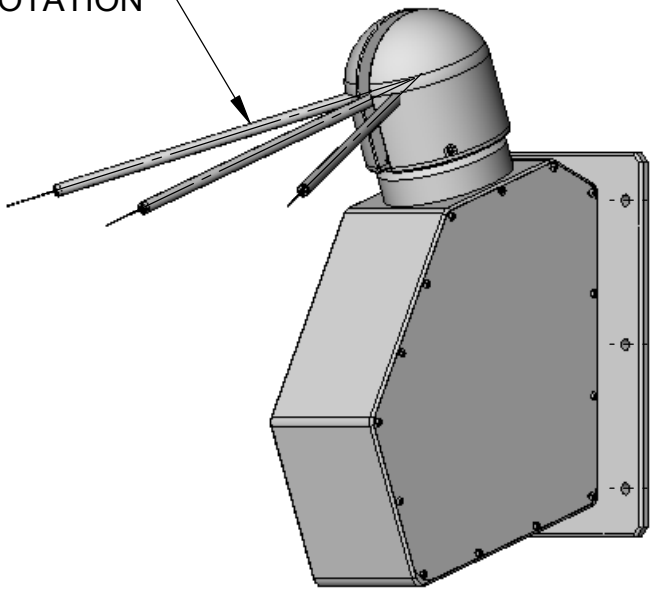


PITCH SENSOR

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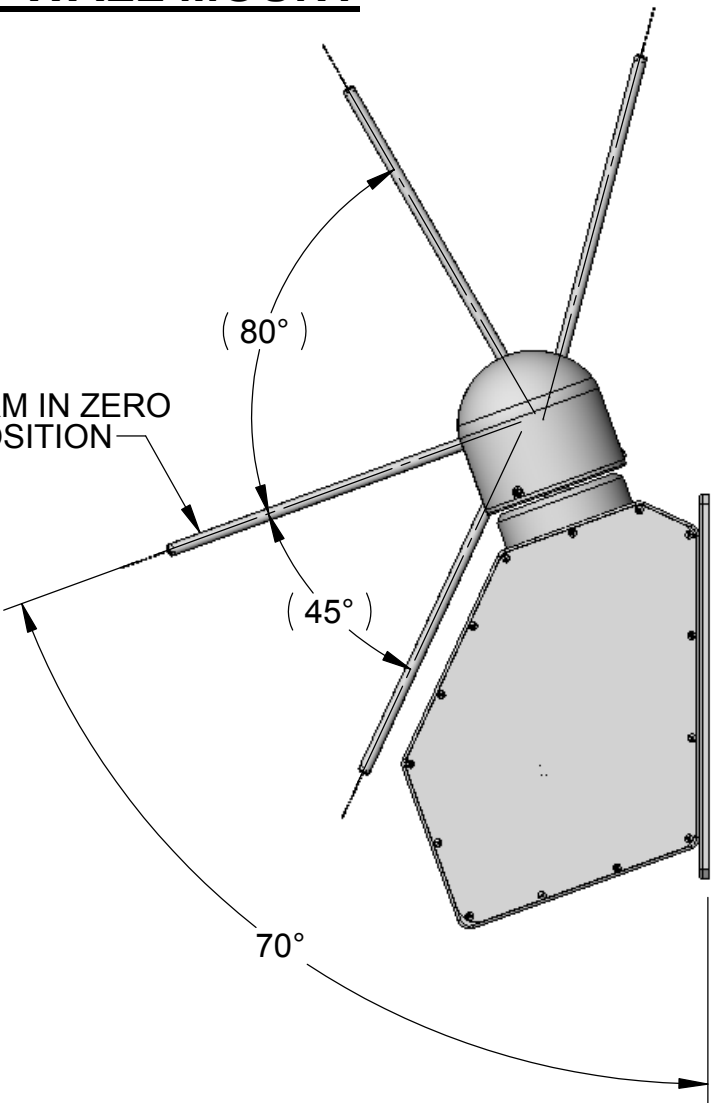
3D SENSOR - WALL MOUNT

YAW ROTATION



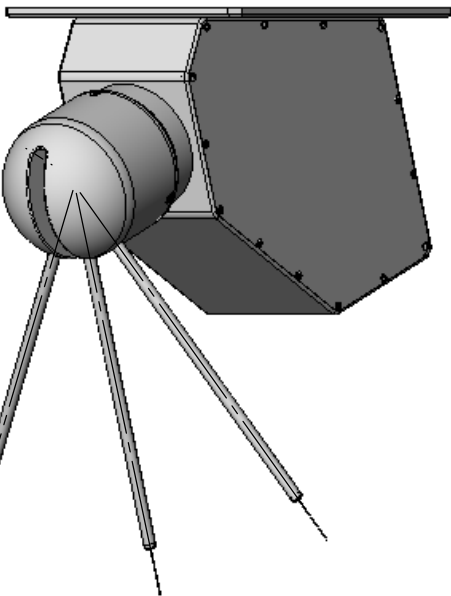
YAW ANGLE

ARM IN ZERO POSITION

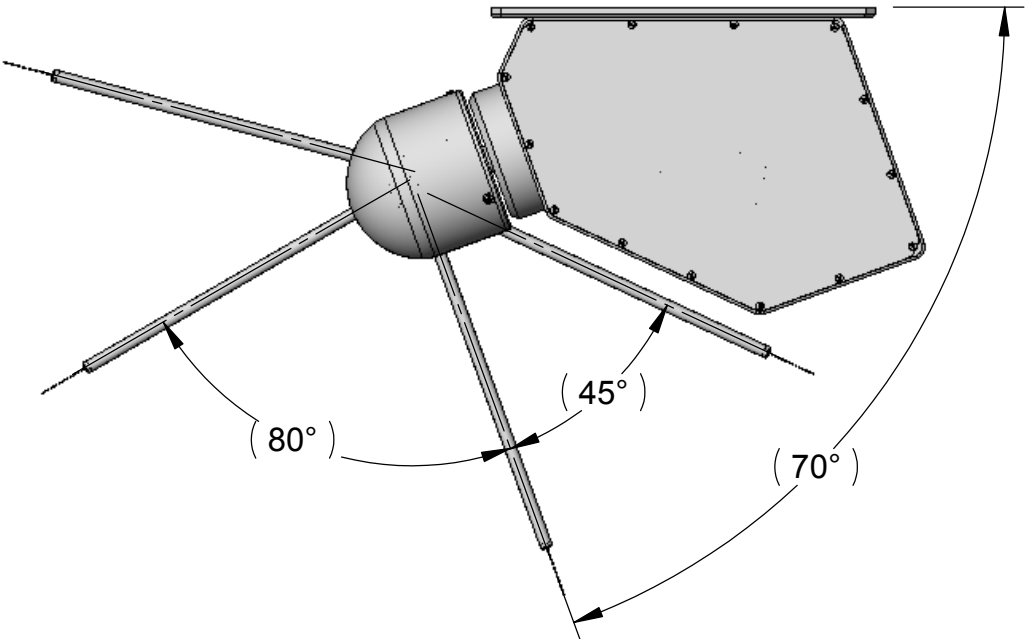


PITCH ANGLE

3D SENSOR - CEILING MOUNT

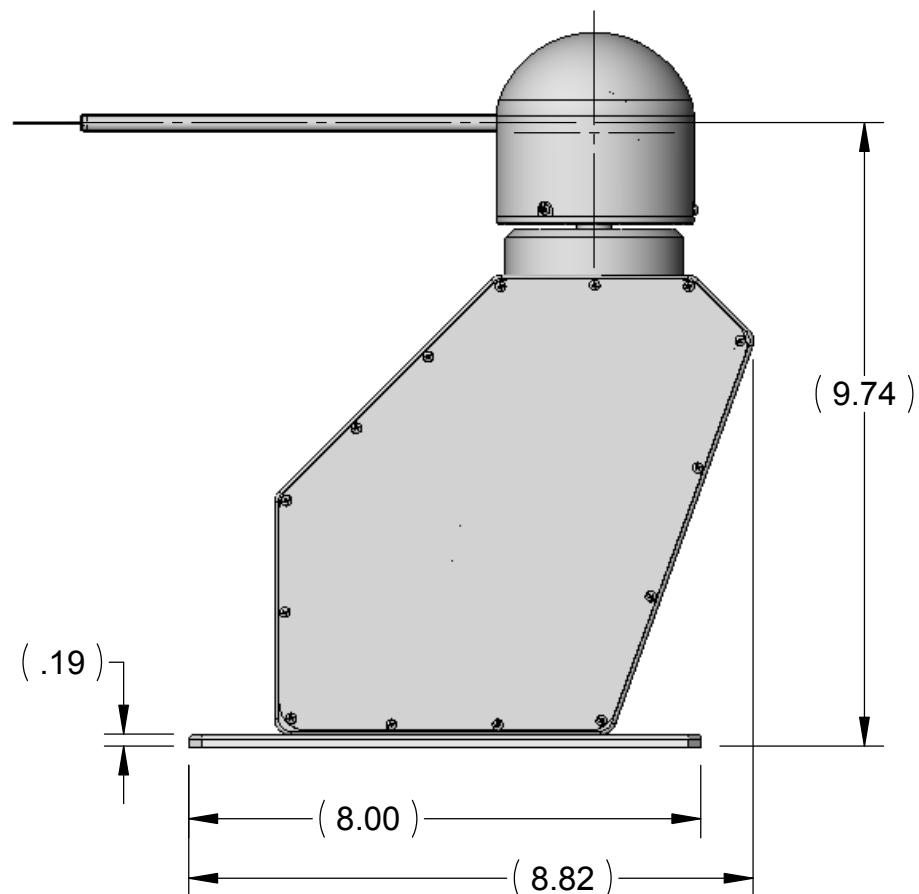
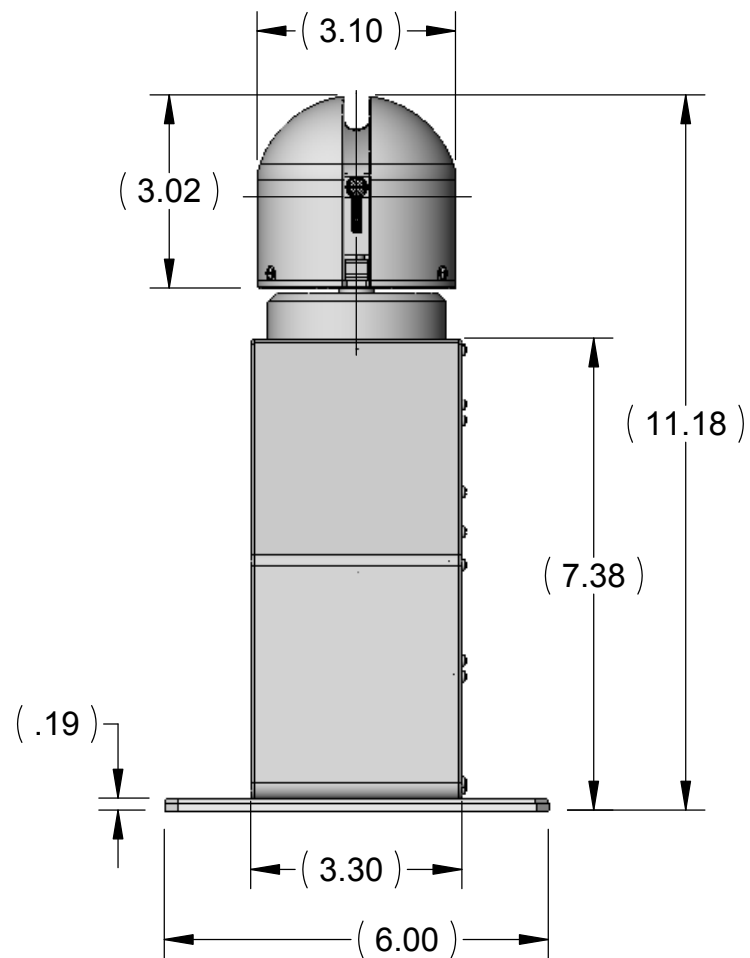
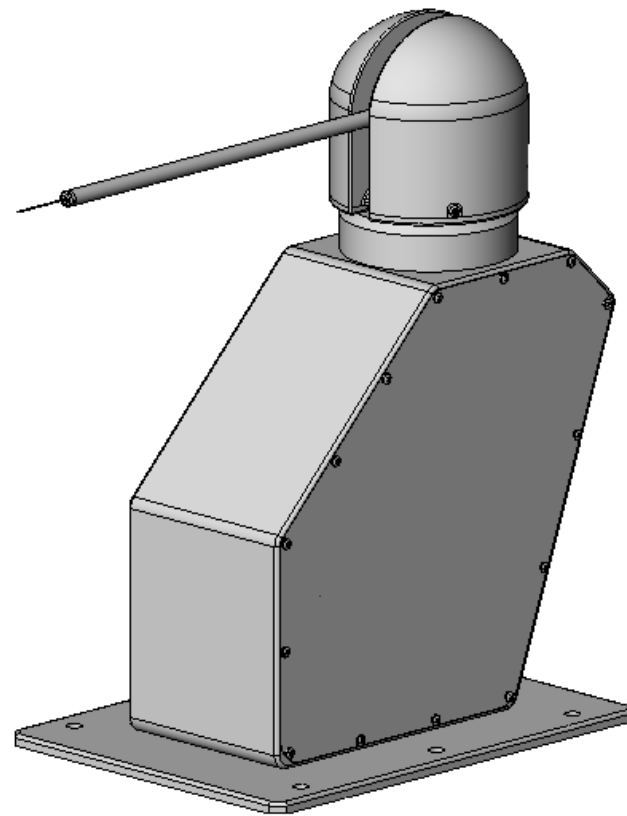
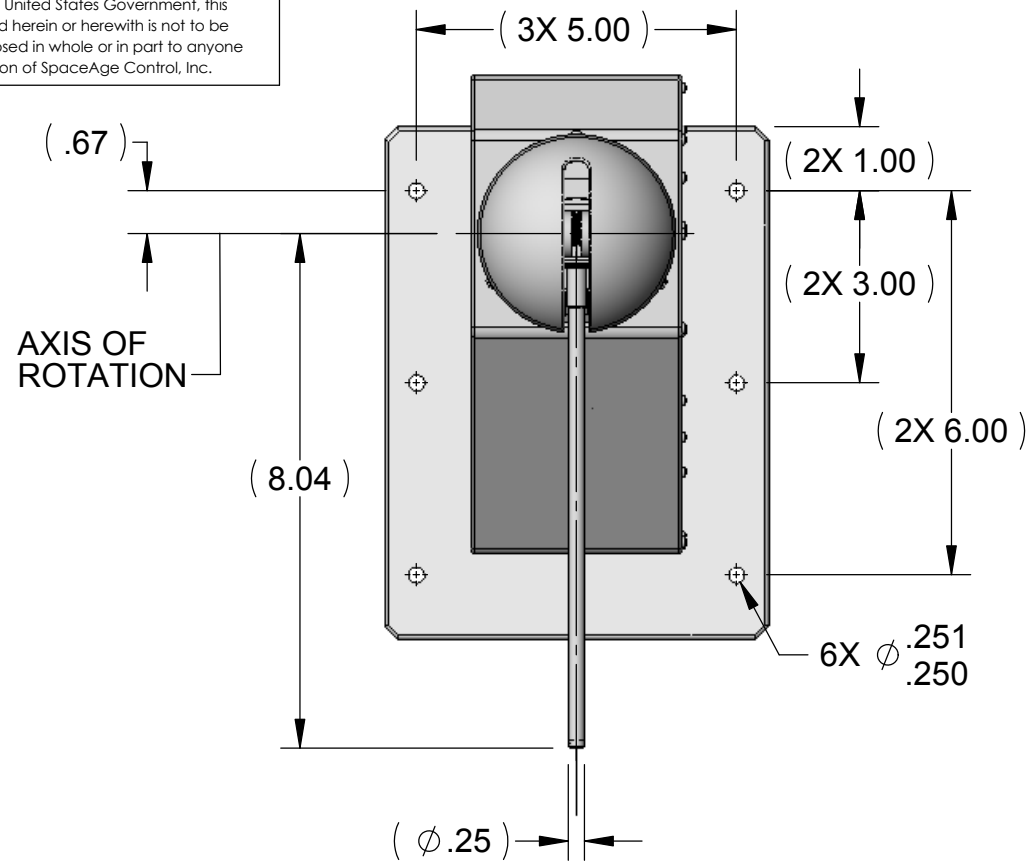


YAW ANGLE

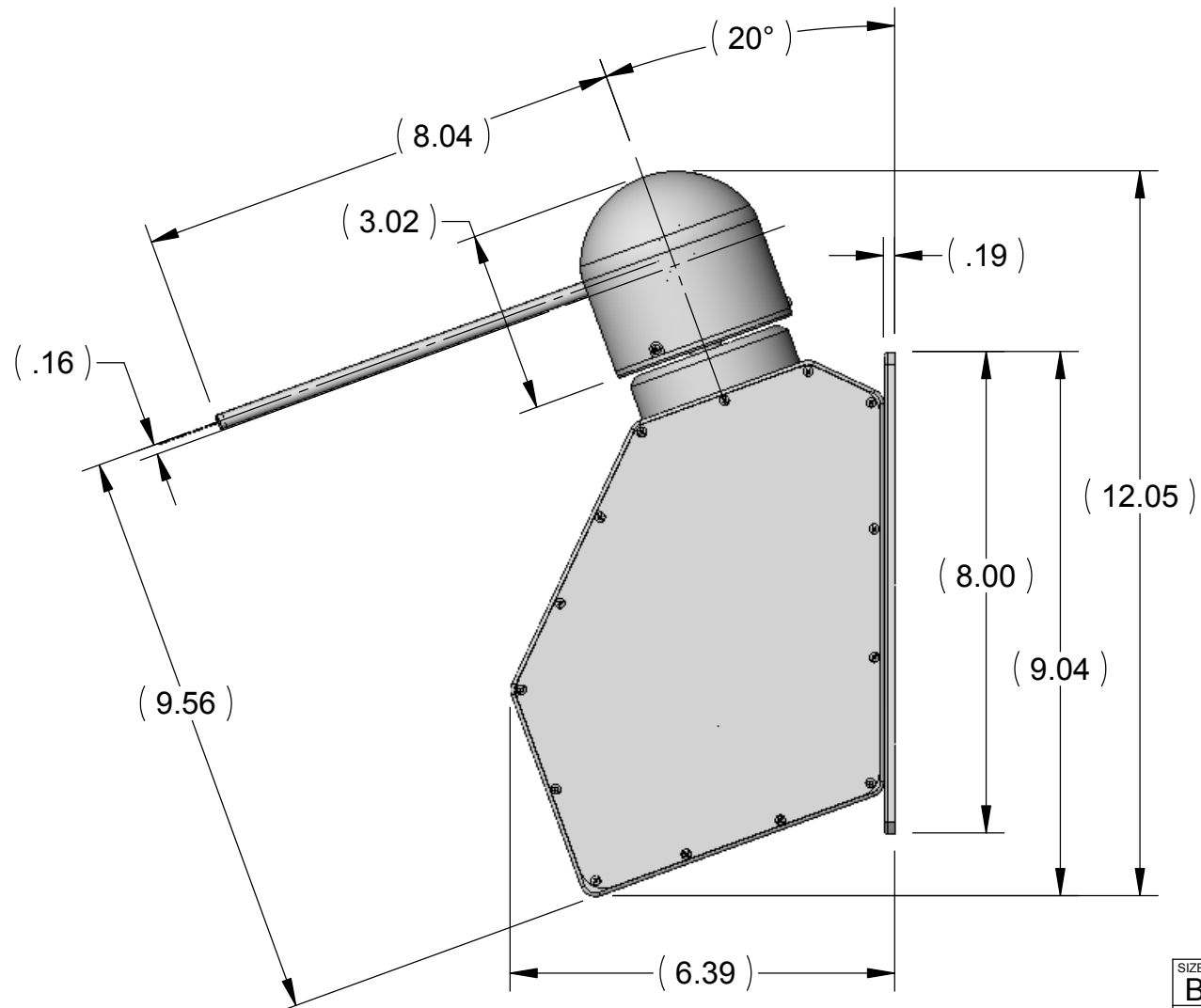
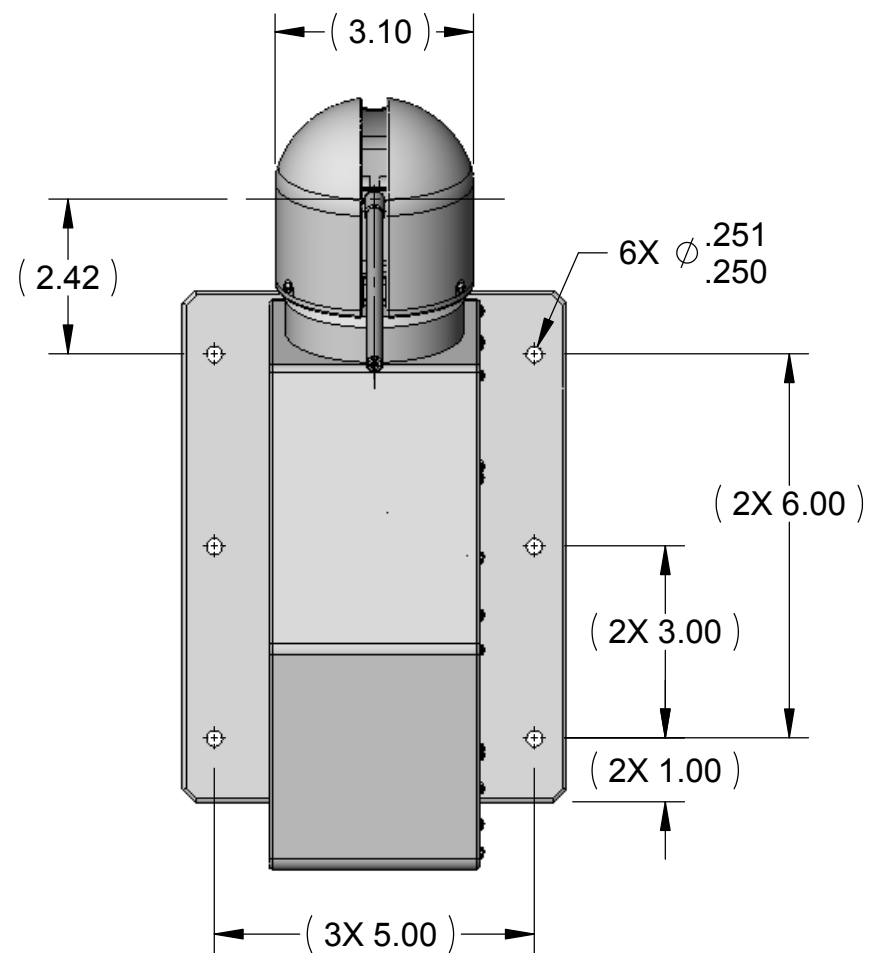
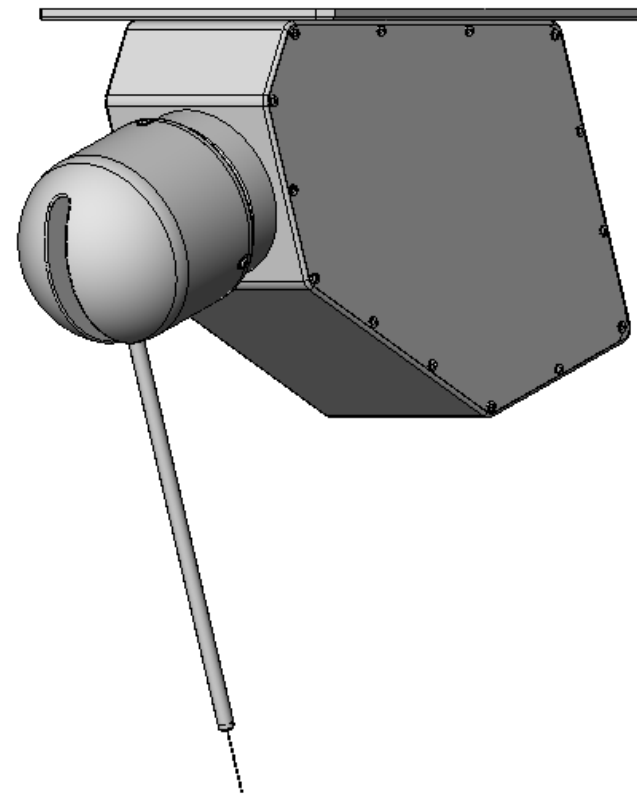
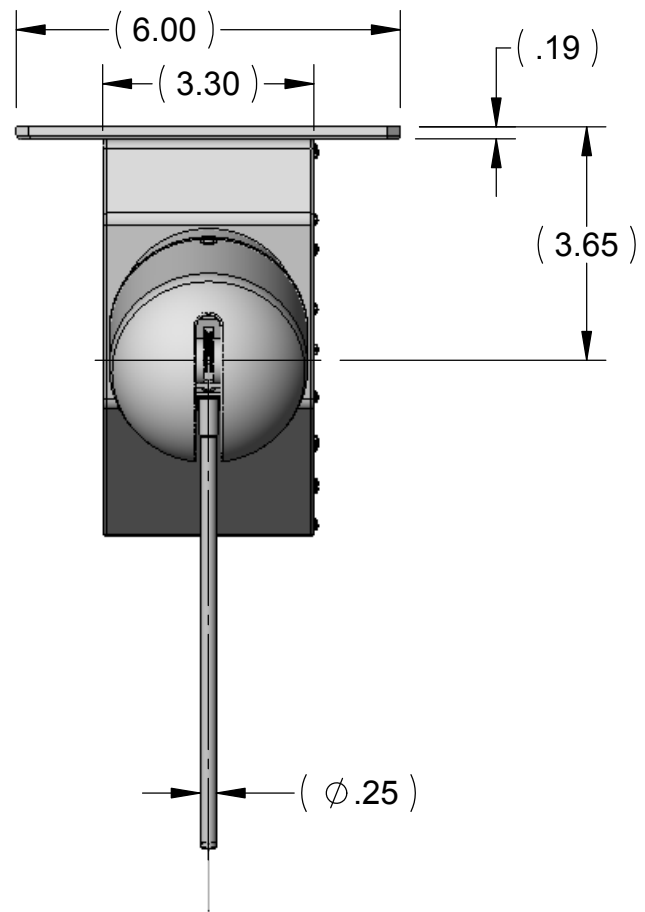


PITCH ANGLE

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SIZE	CAGE CODE	DWG. NO.	REV.
B	34851	UC146-000	A
SCALE	CAD FILE:	SHEET	OF
1:3		5	5