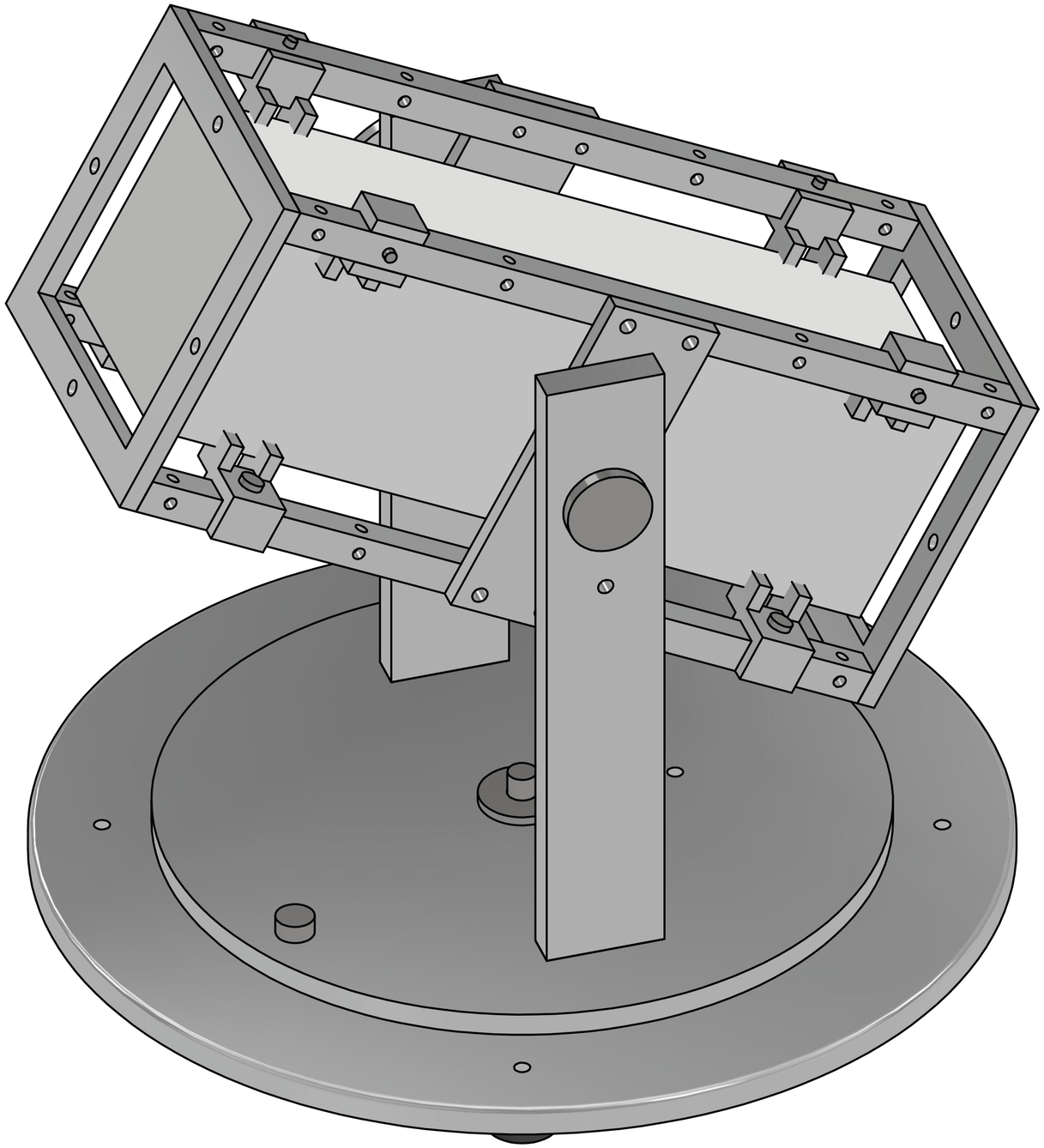
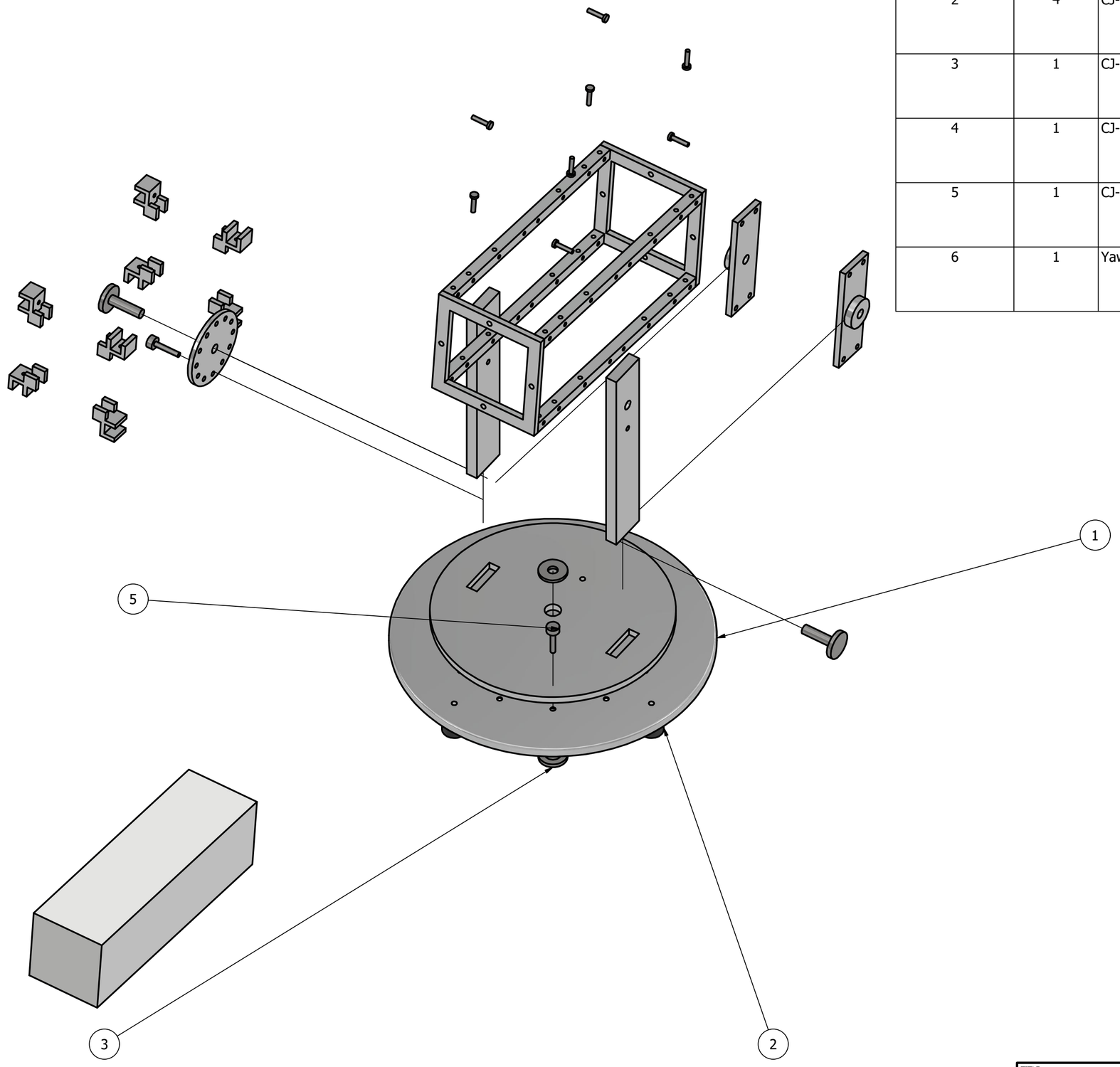


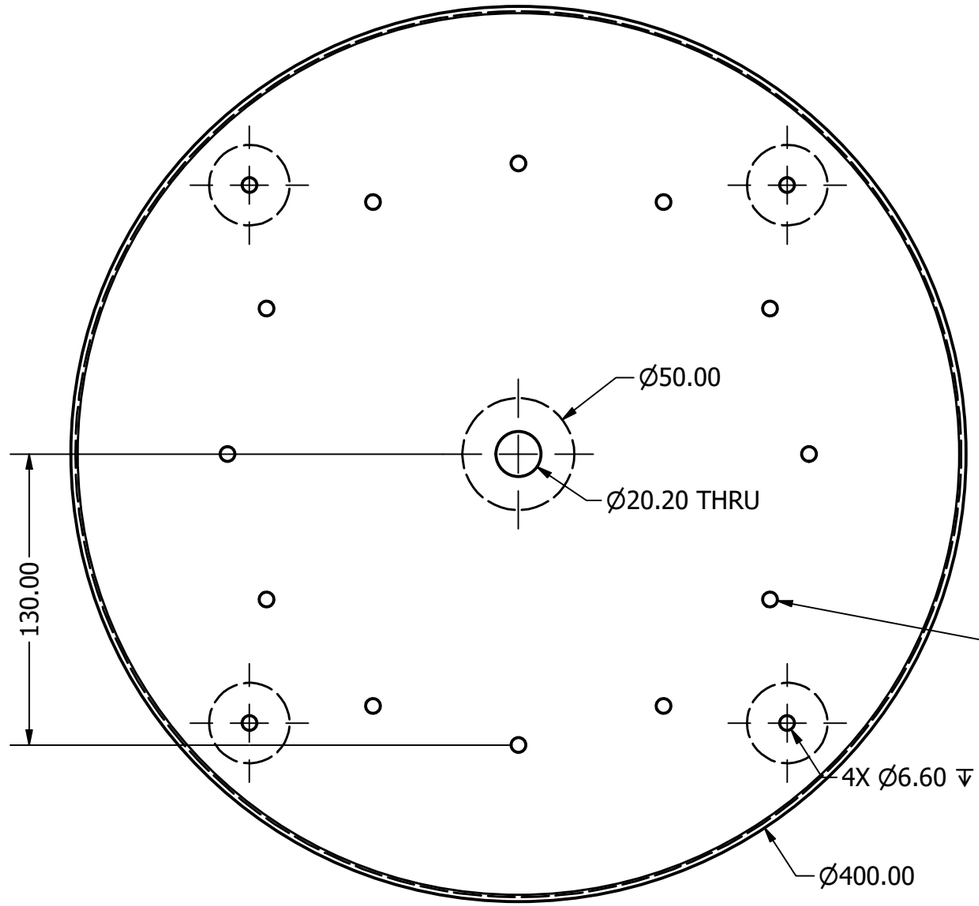
TITLE: **CUBESAT JIG - GENERAL ASSEMBLY**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-100**	MATERIAL:		MASS: 9515.2231163622	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 5/8	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: C	SHEET: 1 OF 1	

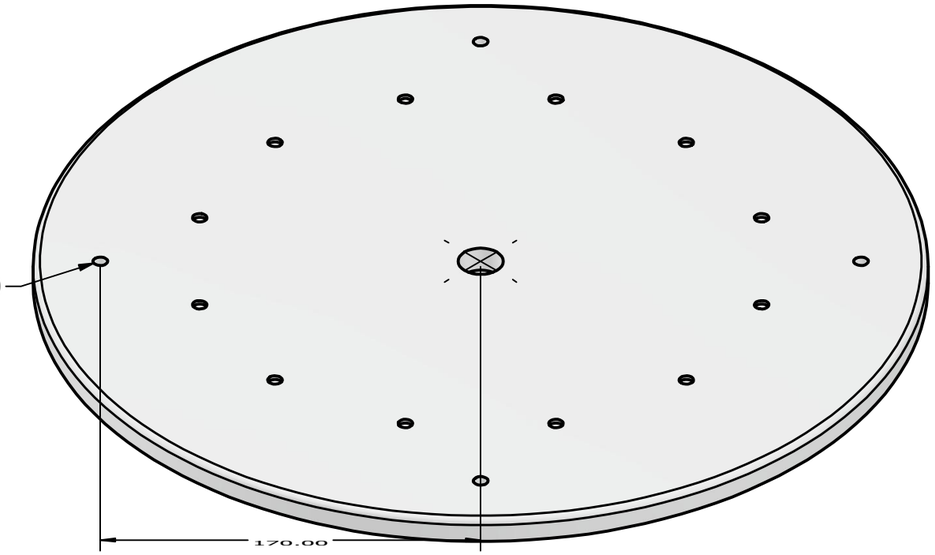


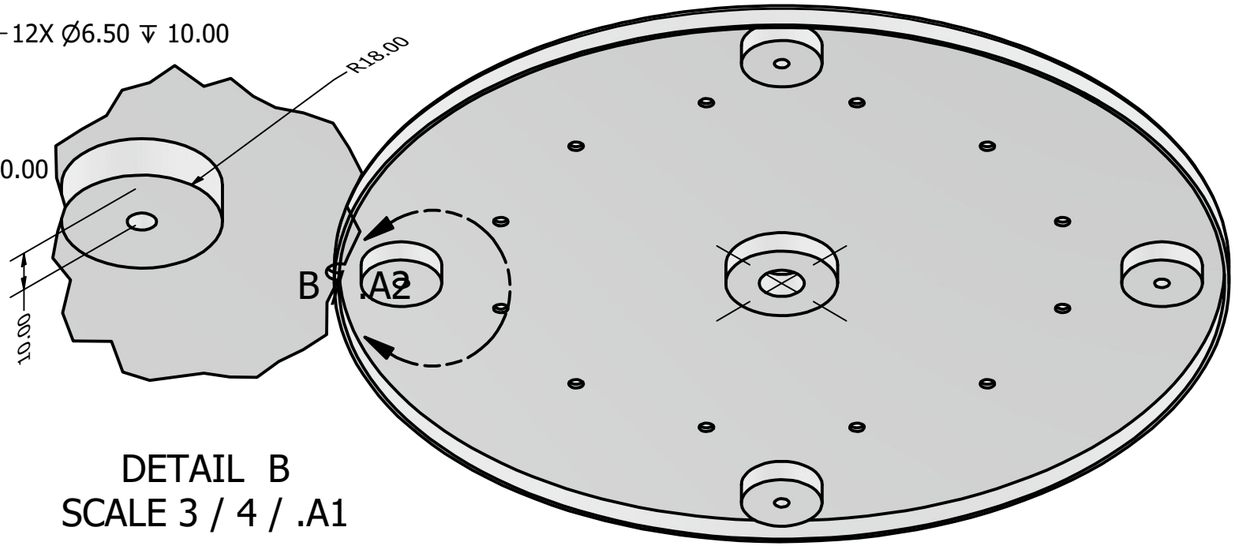
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	MASS	MATERIAL
1	1	CJ-001	Base Plate	0.886 kg	Aluminum 6061
2	4	CJ-013	Foot (4)	0.009 kg	Rubber
3	1	CJ-002	Yaw Shaft	0.115 kg	Stainless Steel, Austenitic
4	1	CJ-003	Yaw Bearing Washer	0.003 kg	Acetal Resin, Black
5	1	CJ-012	Locking Pin (2)	0.021 kg	Stainless Steel, Austenitic
6	1	YawGroup		8.604 kg	

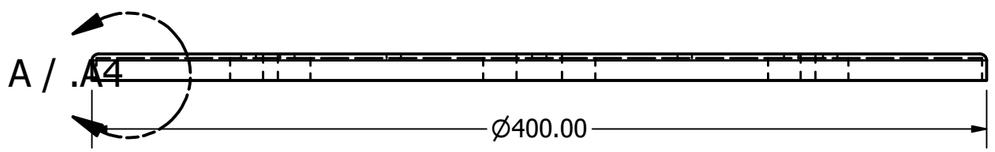
TITLE: **CUBESAT JIG - EXPLODED VIEW**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-101**	MATERIAL:	MASS: 9515.2231163622	QTY: **1**	
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 4	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: C	SHEET: 1 OF 1	

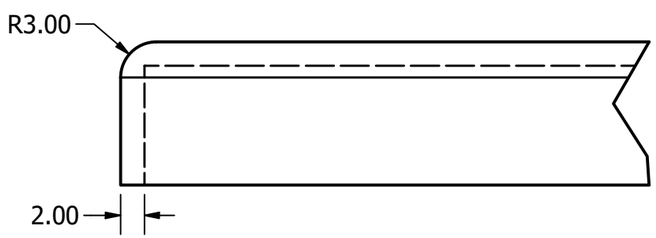






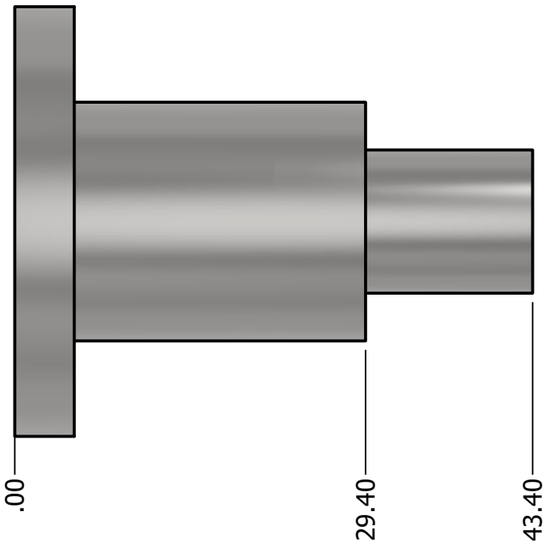
DETAIL B
SCALE 3 / 4 / .A1

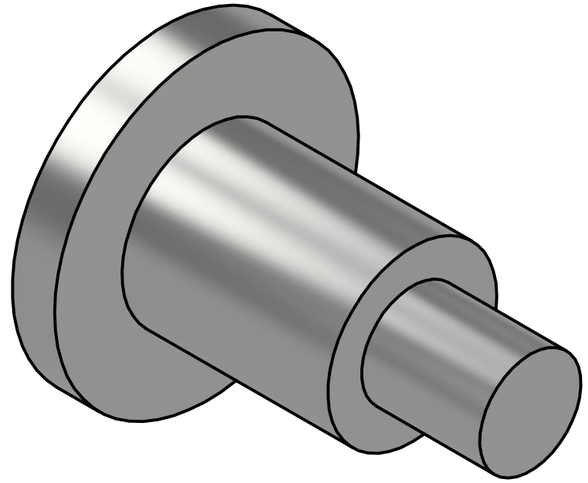


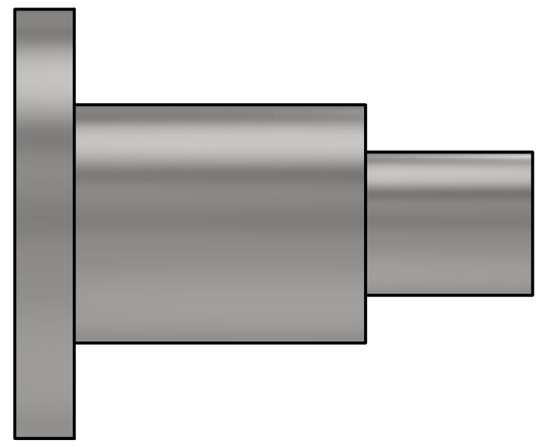


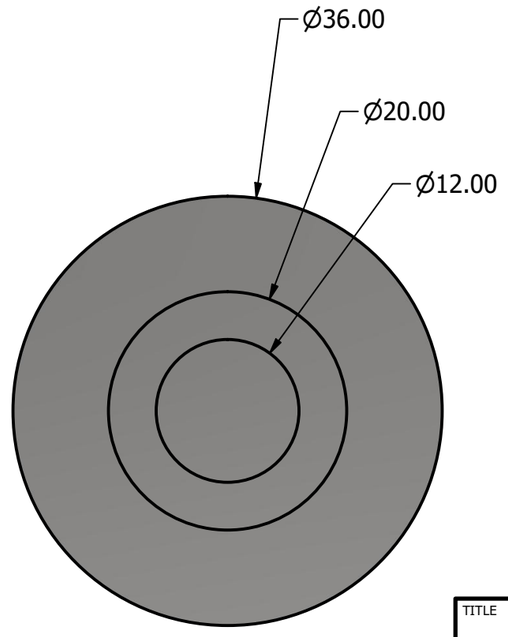
DETAIL A
SCALE 2 : 1 / .A3

TITLE: **BASE PLATE**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-001**	MATERIAL: Aluminum 6061		MASS: 885.5494388674	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 3/8	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

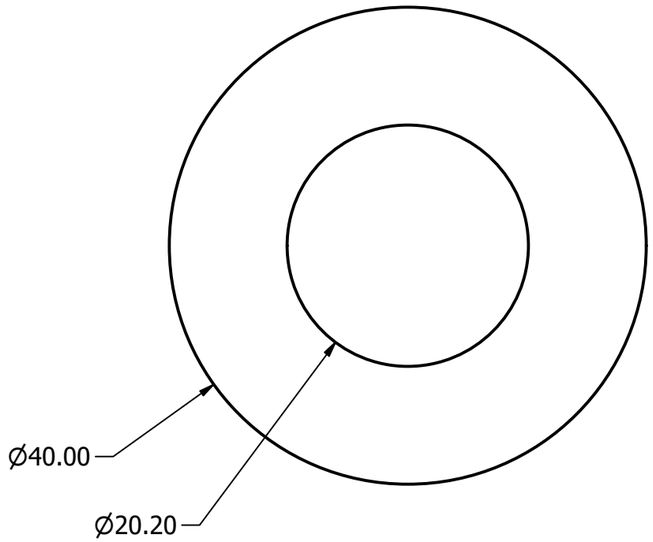


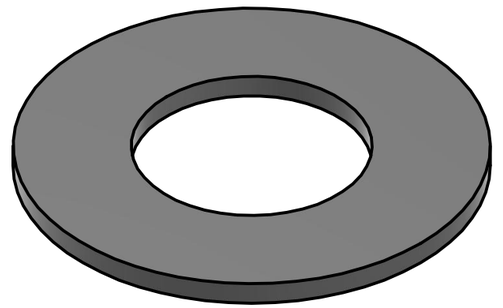


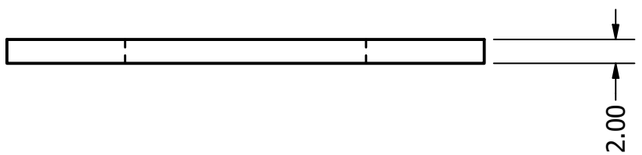




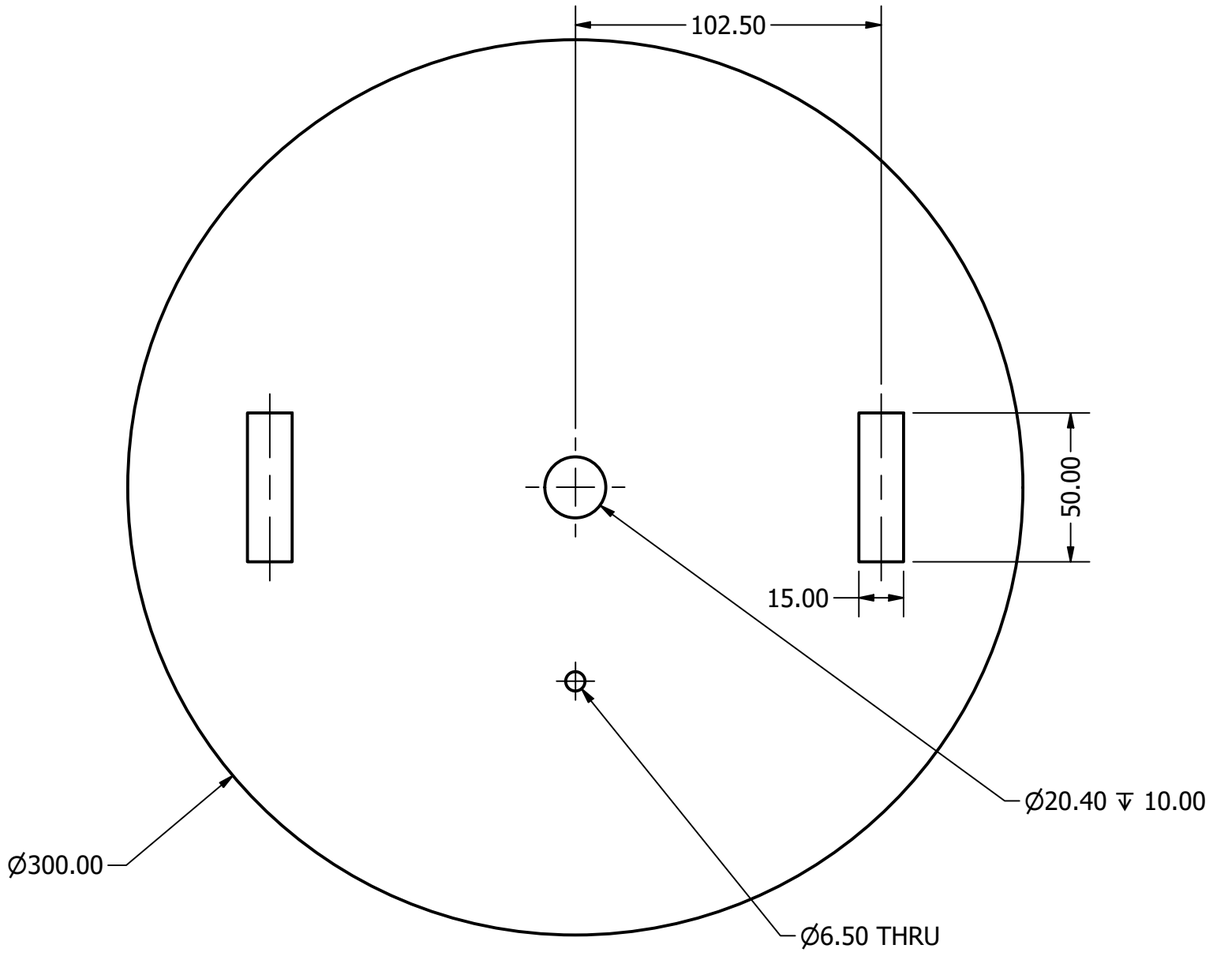
TITLE: **YAW SHAFT**			PROJECT: **CubeSat Assembly Jig**, UGA Small Satellite Research Lab	
PART NO.: **CJ-002**	MATERIAL: Stainless Steel, Austenitic		MASS: 114.7058309679	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **B**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

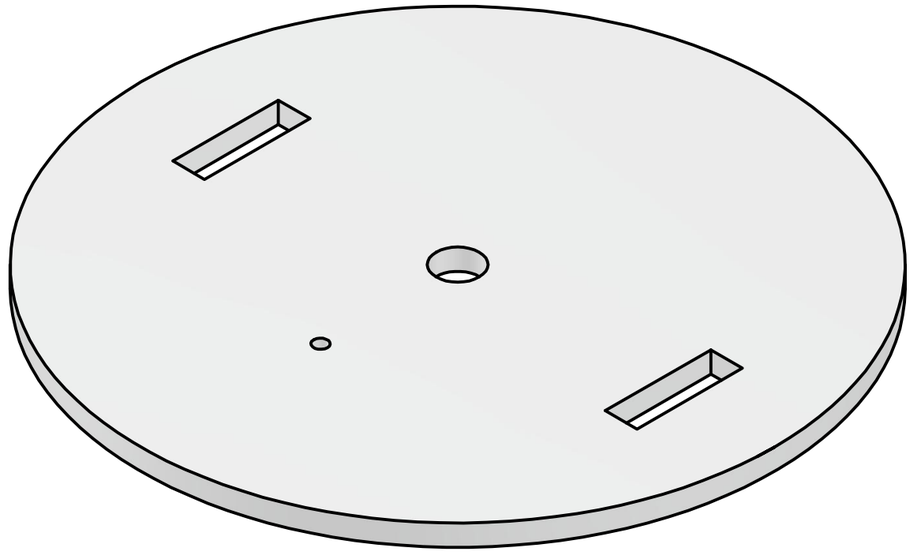


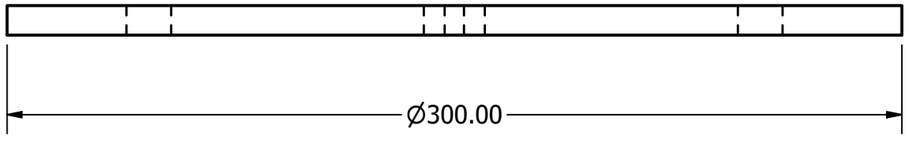




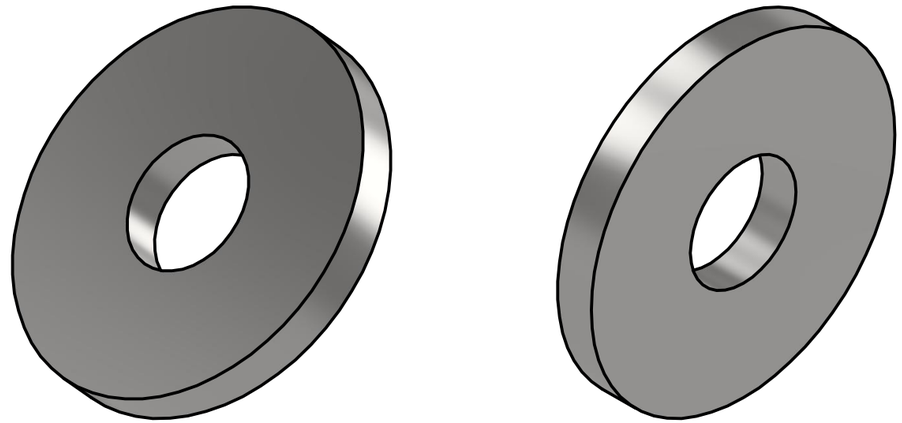
TITLE: **YAW THRUST WASHER**				PROJECT: **CubeSat Assembly Jig**, UGA Small Satellite Research Lab
PART NO.: **CJ-003**	MATERIAL: Acetal Resin, Black		MASS: 2.6680651053	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

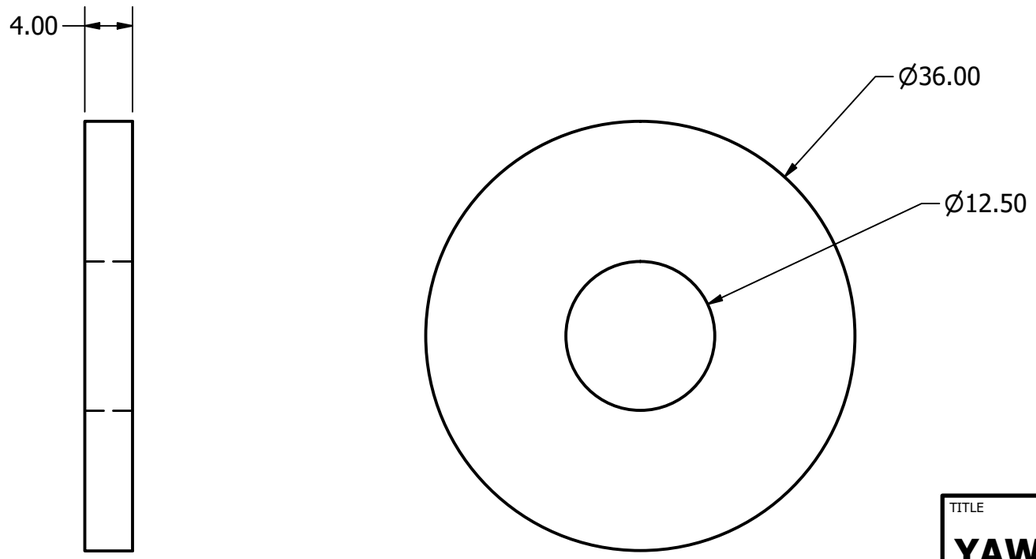




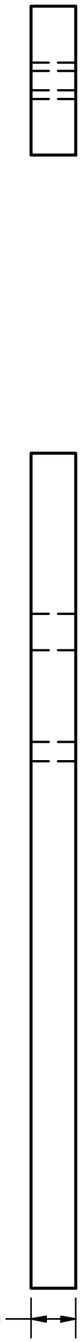


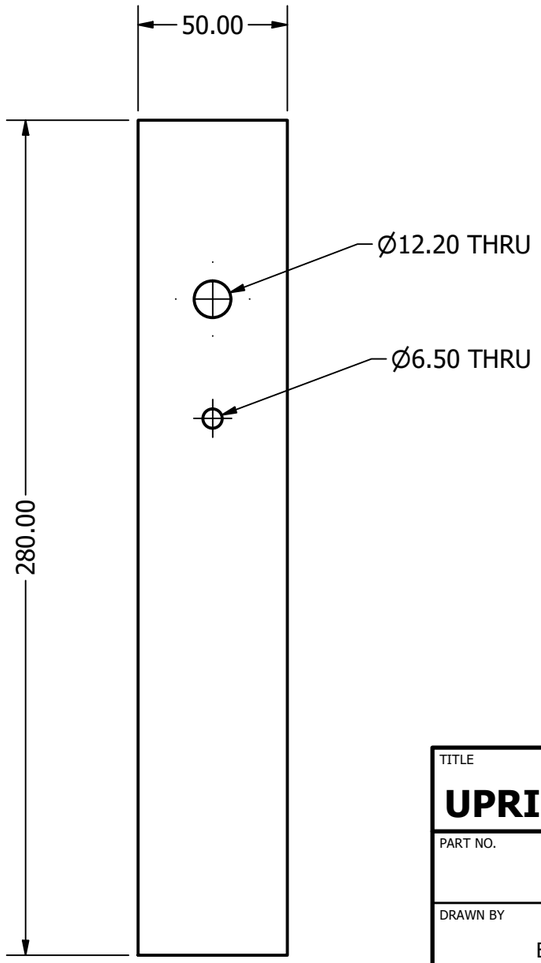
TITLE: **YAW PLATE**				PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab
PART NO.: **CJ-004**	MATERIAL: Aluminum 6061		MASS: 1858.2966090095	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 2	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

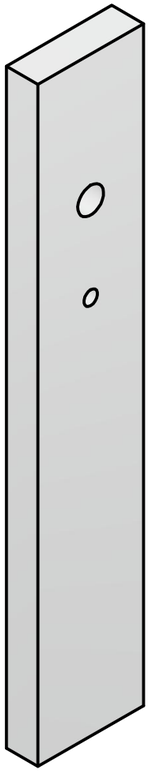




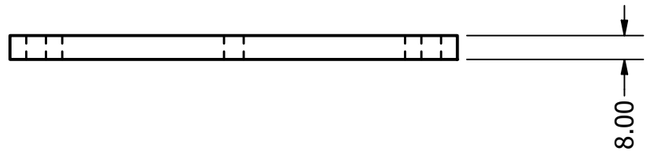
TITLE: **YAW RETAINER WASHER**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-005**	MATERIAL: Stainless Steel, Austenitic		MASS: 28.6450418154	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

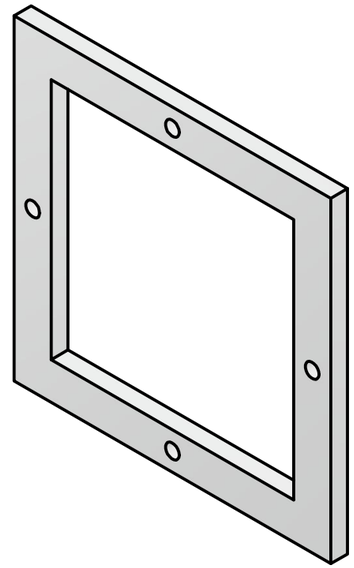


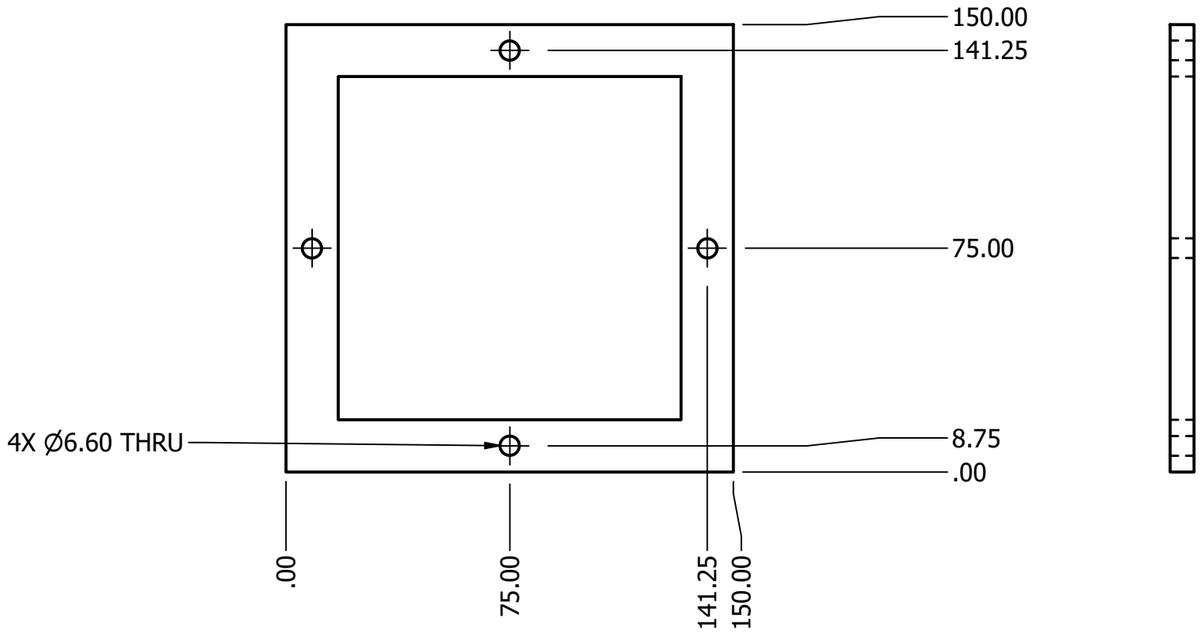




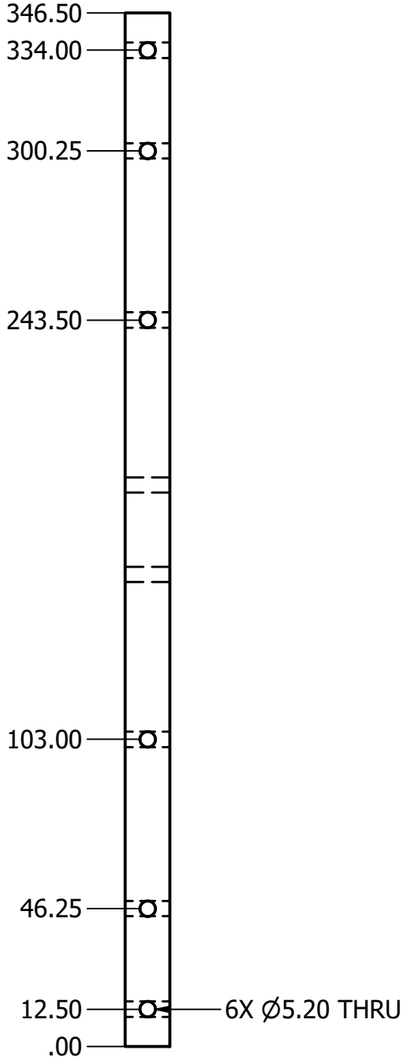
TITLE: **UPRIGHT**				PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab
PART NO.: **CJ-006**	MATERIAL: Aluminum 6061		MASS: 560.9216897307	QTY: **2**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 2	UNITS: mm	REV: **B**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

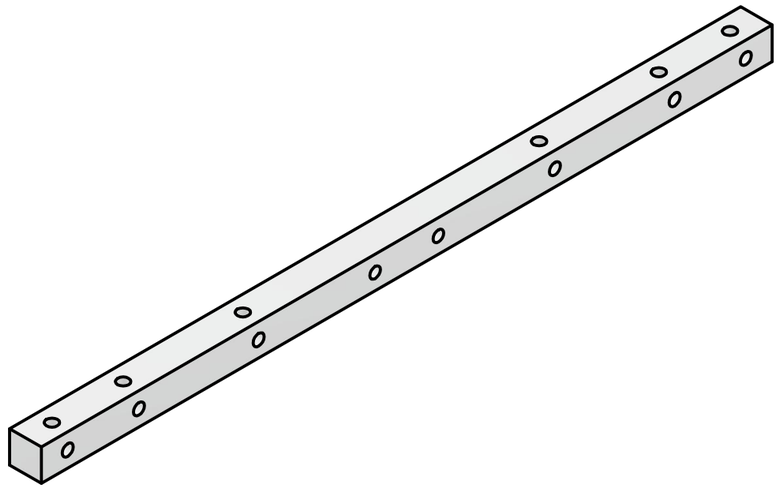


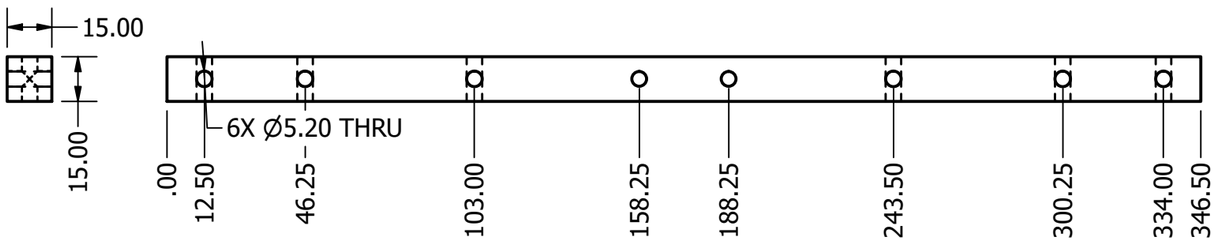




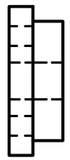
TITLE: **CRADLE END FRAME**			PROJECT: **CubeSat Assembly Jig**, UGA Small Satellite Research Lab	
PART NO.: **CJ-007**	MATERIAL: Aluminum 6061	MASS: 197.3840880386	QTY: **2**	
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 2	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

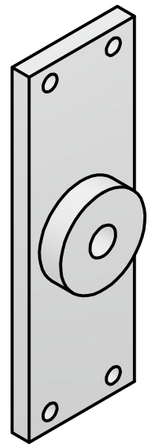


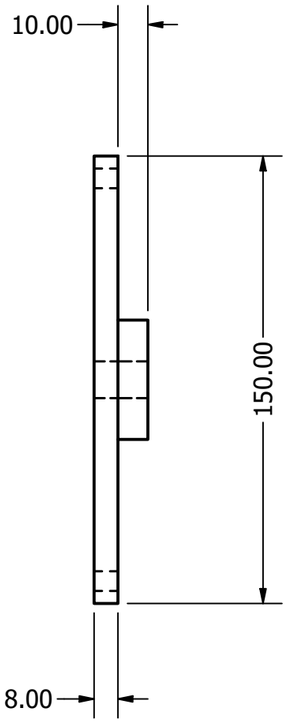


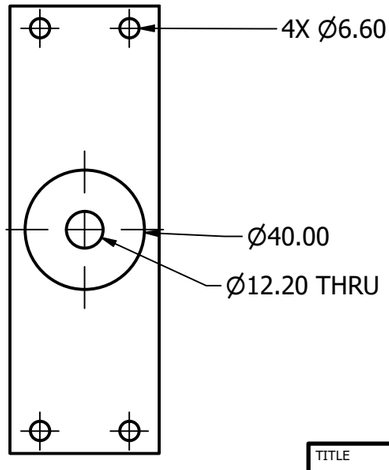


TITLE: **CRADLE RAIL**			PROJECT: **CubeSat Assembly Jig**, UGA Small Satellite Research Lab	
PART NO.: **CJ-008**	MATERIAL: Aluminum 6061	MASS: 232.6068722787	QTY: **4**	
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 2	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

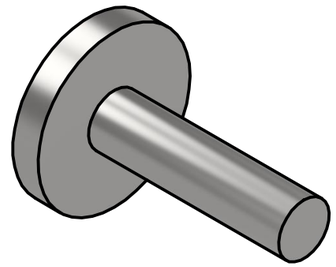


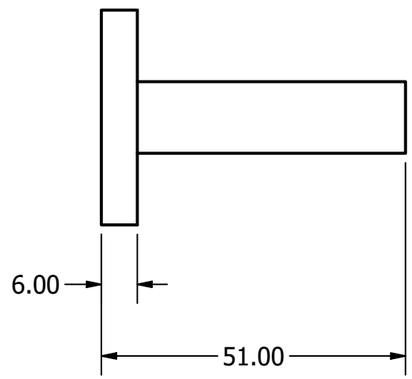


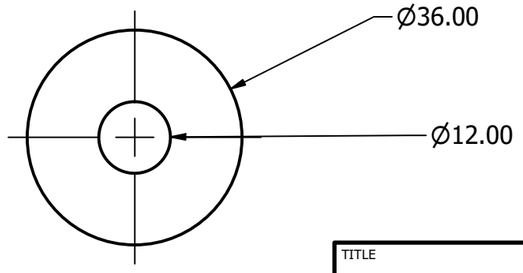




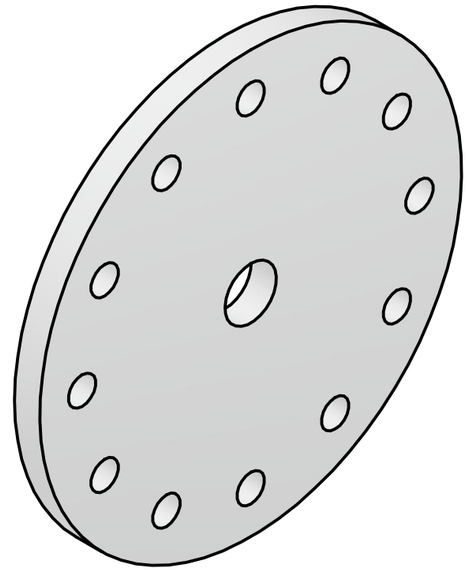
TITLE: **PITCH HUB PLATE**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-009**	MATERIAL: Aluminum 6061	MASS: 0	QTY: **2**	
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 / 2	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

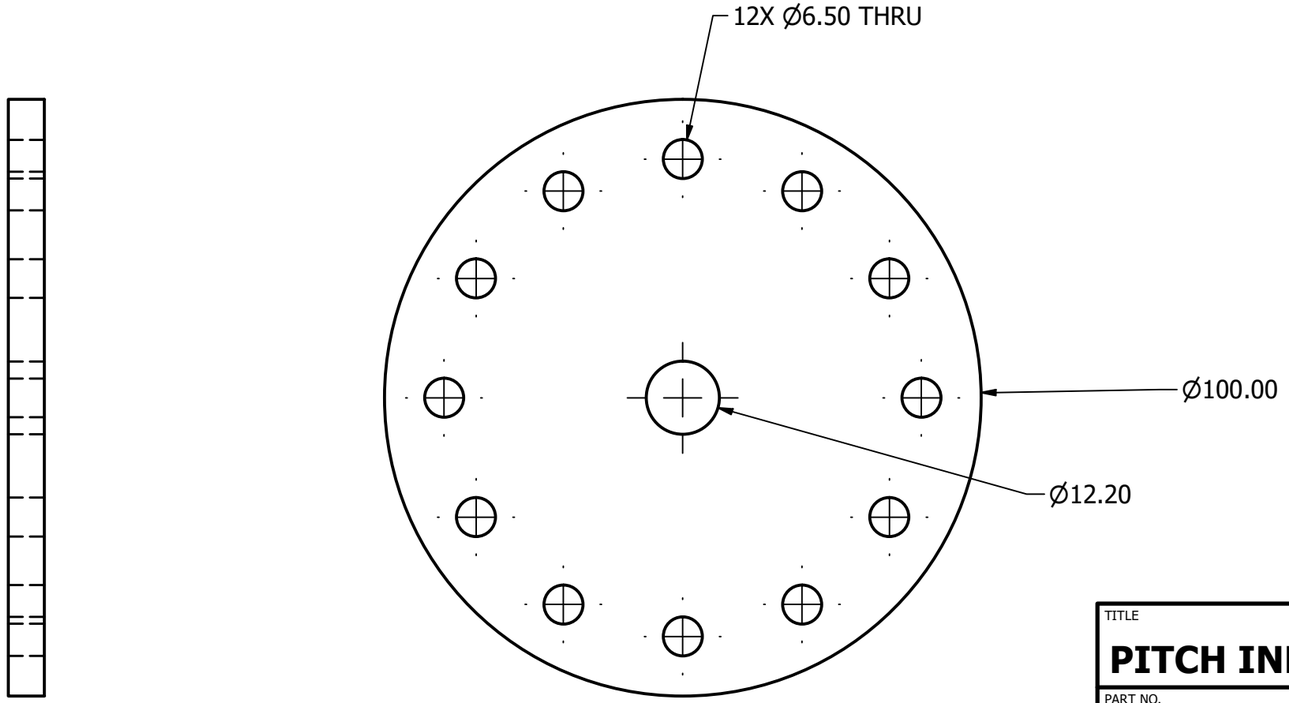




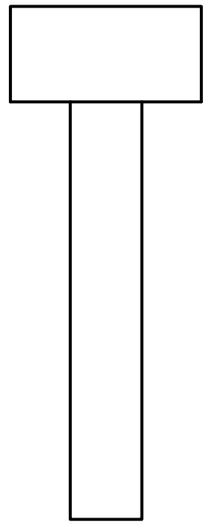


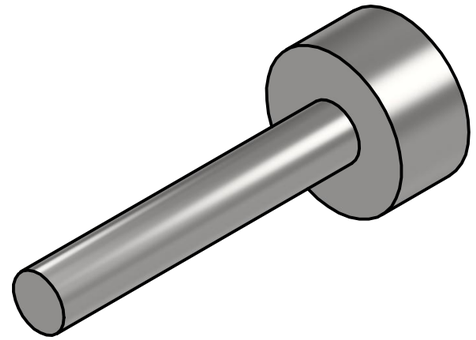
TITLE: **PITCH SHAFT**				PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab
PART NO.: **CJ-010**	MATERIAL: Stainless Steel, Austenitic		MASS: 89.5730897392	QTY: **2**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

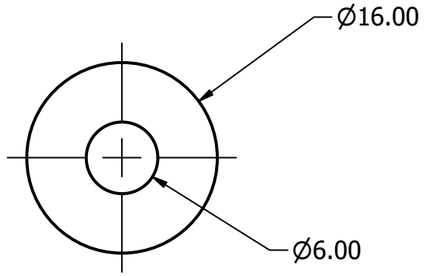


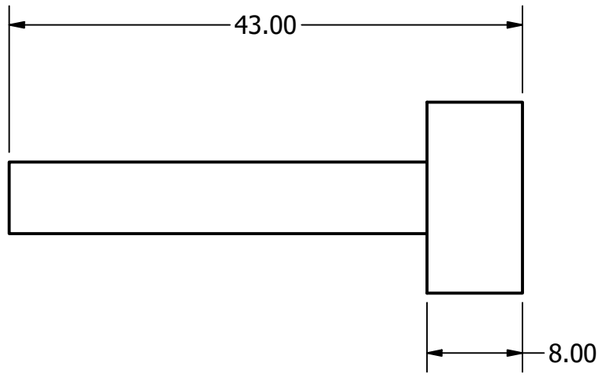


TITLE: **PITCH INDEXING DISK**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-011**	MATERIAL: Aluminum 6061		MASS: 118.8899548604	QTY: **1**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 1 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

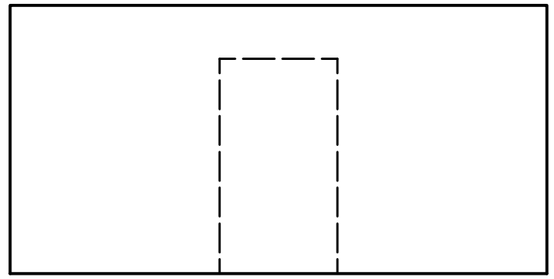


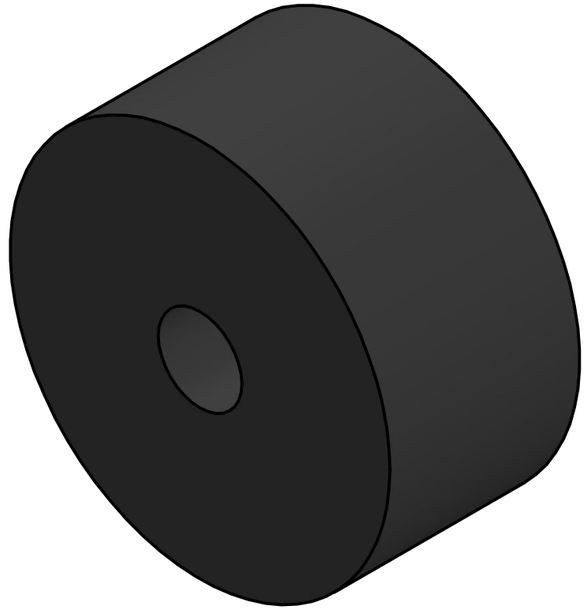


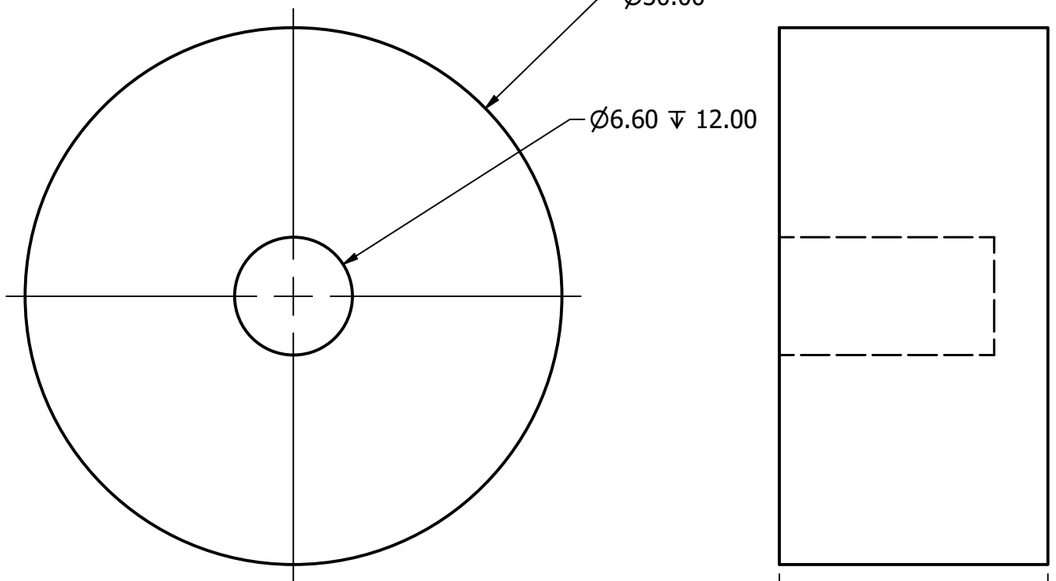




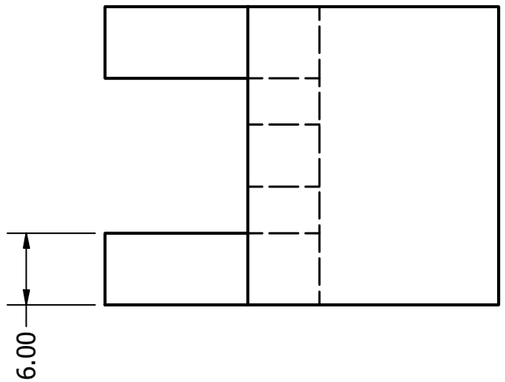
TITLE: **LOCKING PIN**				PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab
PART NO.: **CJ-012**	MATERIAL: Stainless Steel, Austenitic		MASS: 20.7847769961	QTY: **2**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

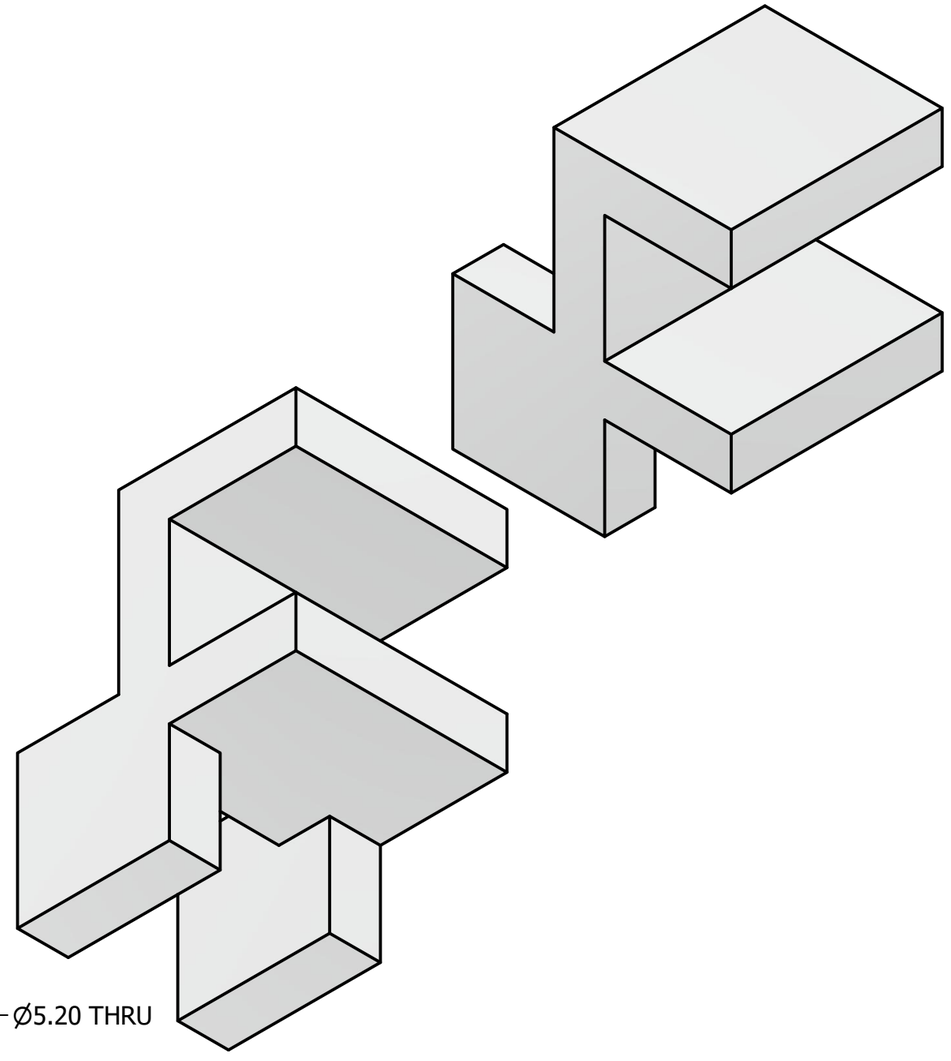


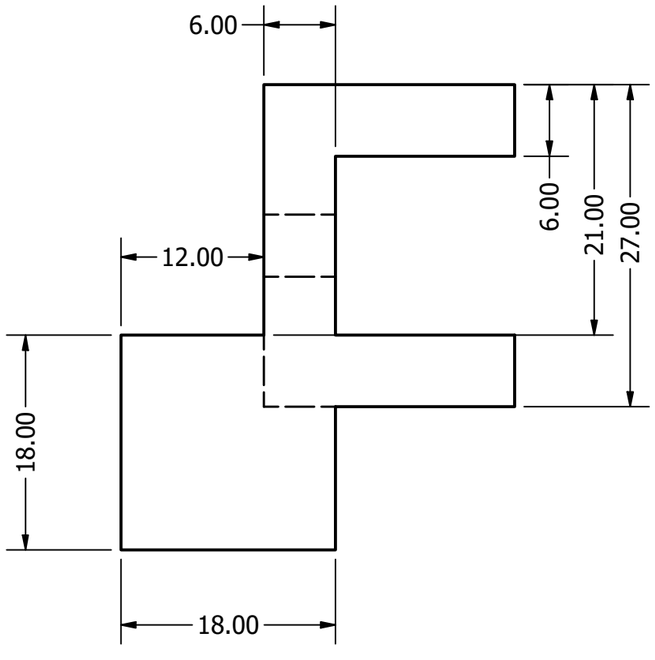


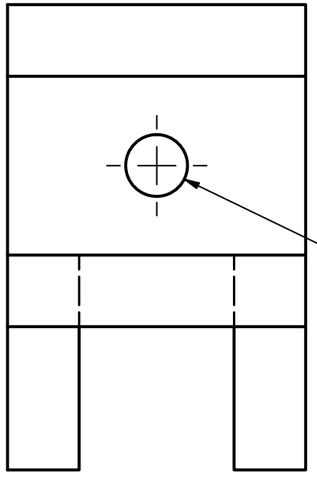


TITLE: **RUBBER FOOT**				PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab
PART NO.: **CJ-013**	MATERIAL: Rubber		MASS: 9.4788686464	QTY: **4**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 3 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	

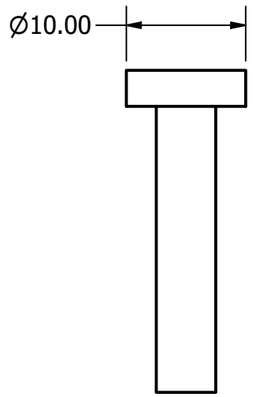


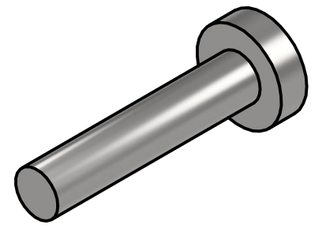


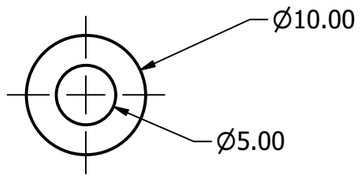


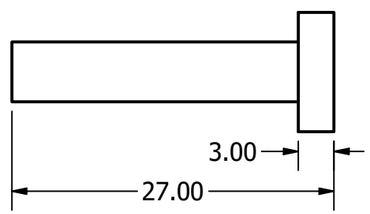


TITLE: **CRADLE STOP BRACKET**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-014**	MATERIAL: Aluminum 6061	MASS: 32.0721579053	QTY: **8**	
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	









TITLE: **CRADLE INDEX PIN**			PROJECT: **CubeSat Assembly Jig** UGA Small Satellite Research Lab	
PART NO.: **CJ-015**	MATERIAL: Stainless Steel, Austenitic		MASS: 5.6548667765	QTY: **8**
DRAWN BY: Ben Philipson	DATE: 9/22/2026	SCALE: 2 : 1	UNITS: mm	REV: **A**
UNLESS OTHERWISE SPECIFIED: DIMS IN mm | X.X ±0.2 | X.XX ±0.05 | ANGLES ±0.5°		SIZE: B	SHEET: 1 OF 1	