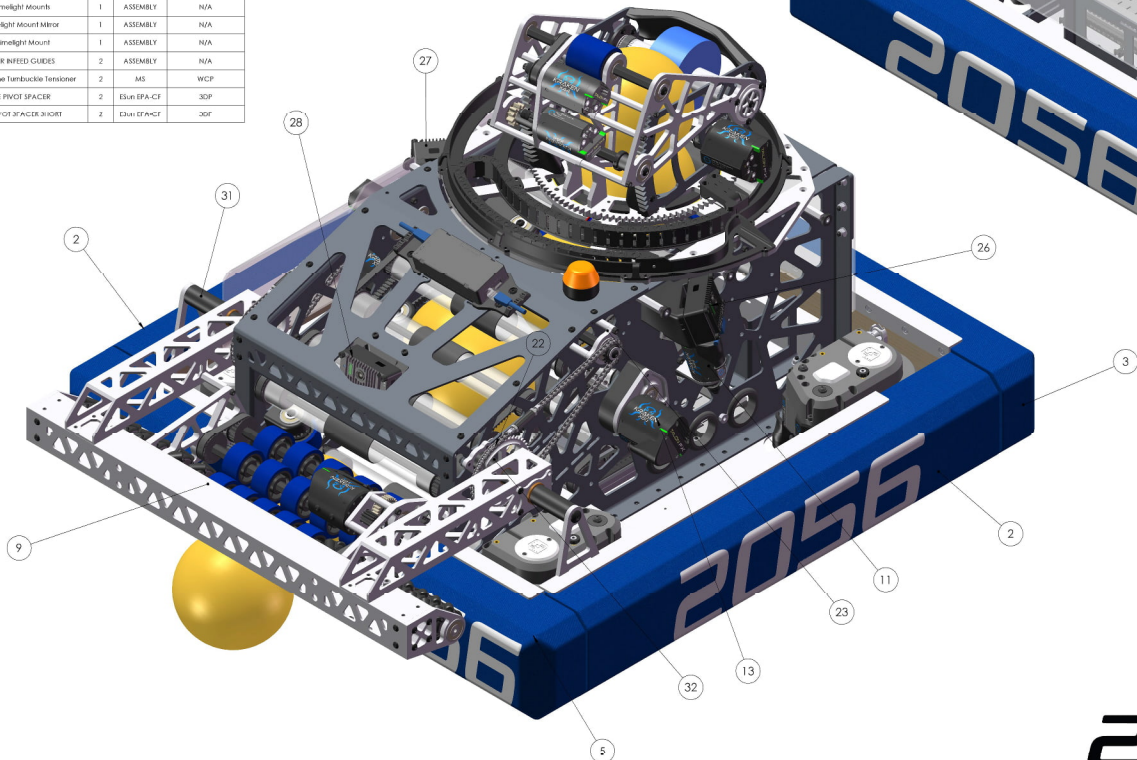
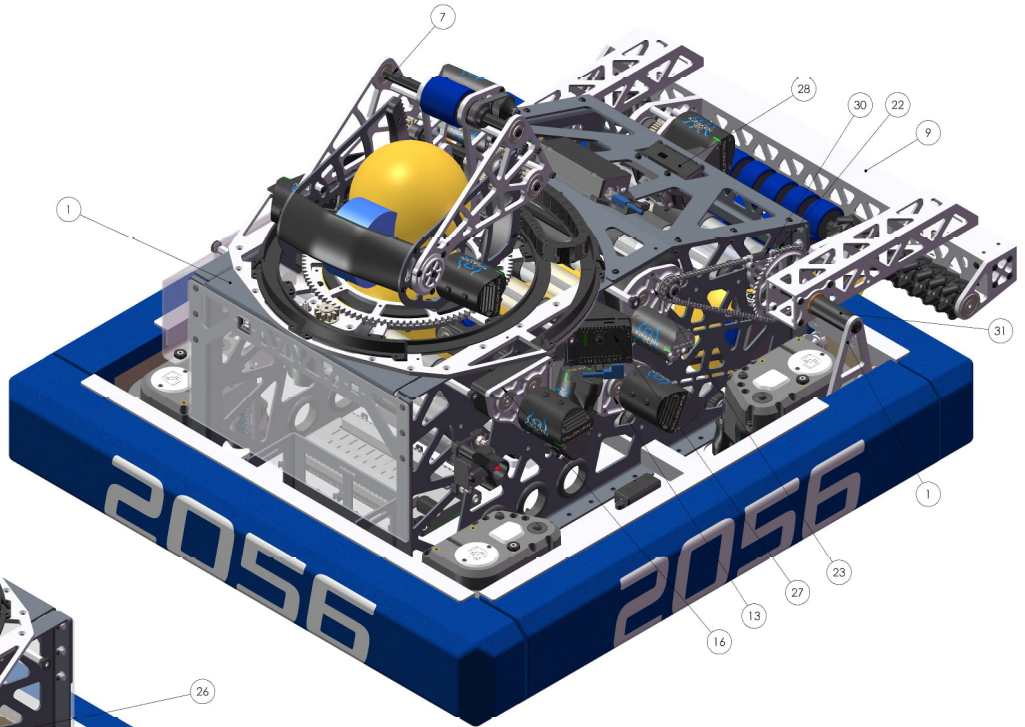
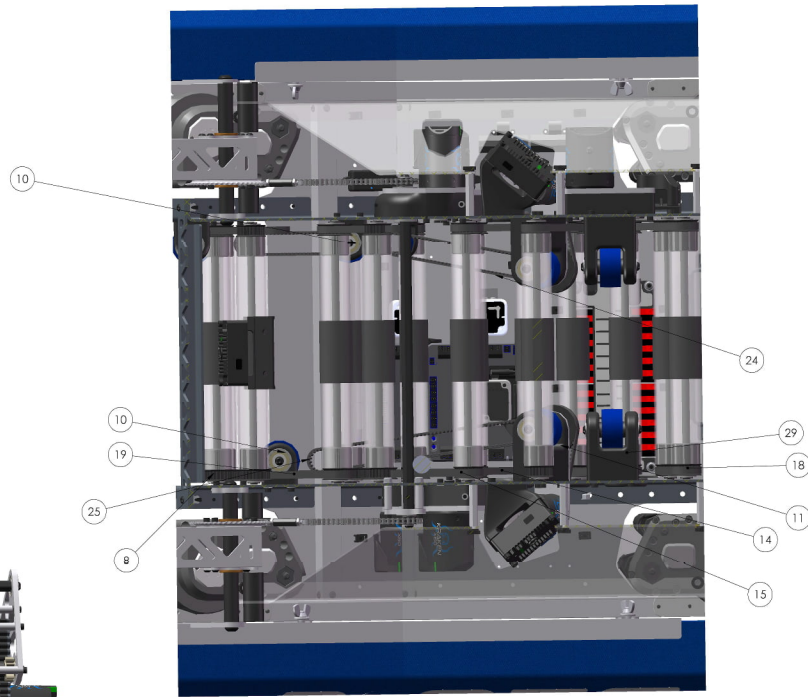


PART NUMBER	DESCRIPTION	QTY.	Material	Supplier
1 OPR26-A01	DRIVETRAH	1	ASSEMBLY	N/A
2 OPR26-A00	SIDE BUMPER	2	N/A	BUMPER
3 OPR26-A01	BACK BUMPER	1	ASSEMBLY	BUMPER
4 OPR26-A02	FRONT BUMPER	1	ASSEMBLY	BUMPER
5 OPR26-A03	FRONT LEFT BUMPER	1	ASSEMBLY	BUMPER
6 OPR26-A04	IRC 3026 Robot Competition (13CM Foam Ball)	8	Material not specified	AndyMark
7 OPR26-A10	TURRET	1	ASSEMBLY	N/A
8 OPR26-A20	Accelerator Roller	8	ASSEMBLY	N/A
9 OPR26-A30	Dropdown Intake	1	ASSEMBLY	N/A
10 OPR26-A21	SIDE ROLLER	3	ASSEMBLY	N/A
11 OPR26-A26	SIDE ROLLER DRIVE ASSEMBLY	2	ASSEMBLY	N/A
12 OPR26-A23	Feed Roller	7	ASSEMBLY	N/A
13 OPR26-A24	Feed Conveyor Gearbox	2	ASSEMBLY	ASSEMBLY
14 WCP-0617	40 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 50mm Long	2	POLYURETHAN E	WCP
15 WCP-0617	40 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 50mm Long	1	POLYURETHAN E	WCP
16 OPR26-A25	SHOOTER FEED ROLLER GEARBOX	1	ASSEMBLY	N/A
17 WCP-0164	55 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 275mm Long	2	POLYURETHAN E	WCP
18 WCP-0164	55 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 275mm Long	2	POLYURETHAN E	WCP
19 WCP-0164	55 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 275mm Long	2	POLYURETHAN E	WCP
20 WCP-0615	50 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 250mm Long	1	POLYURETHAN E	WCP
21 Y1231-A337	Black-oxide Alloy Steel Special Head Cold Screw 1/4-20 Thread, 0.5 Length	1	Alloy Steel	McMaster Carr
22 OPR26-F309	#25 Roller Chain, 24.5in Long (76 Links), Subtotal: 8 Links for In-line Chain Tensioner	2	MS	McMaster Carr
23 OPR26-A24	INTAKE PIVOT ONCEBOOK	1	ASSEMBLY	ASSEMBLY
24 WCP-0624	95 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 475mm Long	2	POLYURETHAN E	WCP
25 WCP-0625	130 Teeth Timing Belt, 5mm Pitch, 5mm Wide, 650mm Long	1	POLYURETHAN E	WCP
26 OPR26-A05	Side Linelight Mount	1	ASSEMBLY	N/A
27 OPR26-A05-M	Side Linelight Mount Mirror	1	ASSEMBLY	N/A
28 OPR26-A06	Front Linelight Mount	1	ASSEMBLY	N/A
29 OPR26-A07	SHOOTER IN-RED GUIDES	2	ASSEMBLY	N/A
30 WCP-0247	#25 Chain Wire Turnbuckle Tensioner	2	MS	WCP
31 OPR26-F222	INTAKE PIVOT SPACER	2	Elasto-PA-CF	3DP
32 OPR26-F223	INTAKE PIVOT SPACER JOINT	2	Elasto-PA-CF	3DP

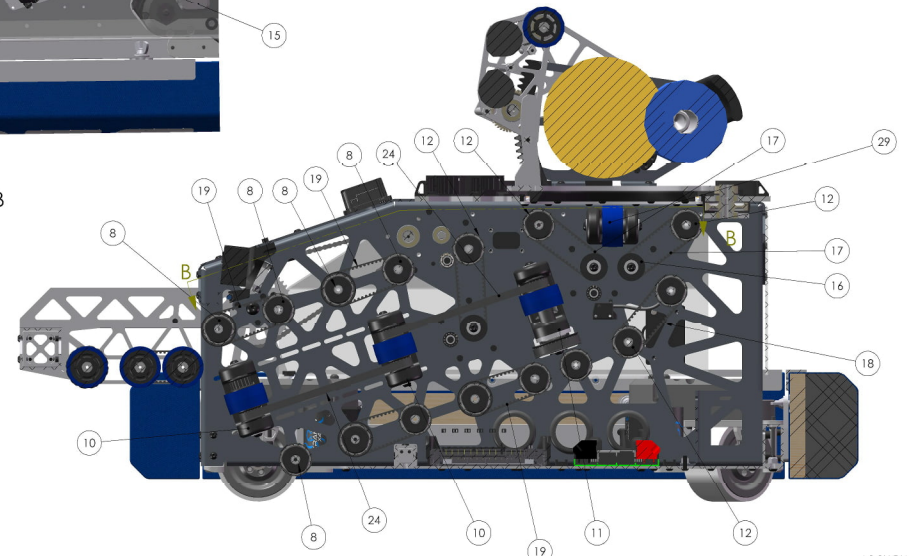
SOME SPONSER PANELS HIDDEN



Material		UNLESS OTHERWISE SPECIFIED		AS SHOWN: 2	
ASSEMBLY		PRIMARY UNITS INCHES		OP Robotics	
Finish		NO BURRS OR SHARP EDGES		(NAME TO BE DECIDED)	
NO FINISH		TOLERANCES		DWS. NO.	
Weight		2056		OPR26-A00	
Dimensions per OPR26-A00 adapt or skip		FRACTIONS 2 DECIMAL PLACES ±.005"		PRINTED ON 2026-01-30	
		DECIMALS 3 DECIMAL PLACES ±.005"		SCALE: 1:3	
		FLAT PATTERNS ±.005"		SHEET 1 OF 2	
		ANGULAR DEGREES ±0.5°			
		BENDS ±0.1°			



SECTION B-B



SECTION A-A

AS SHOWN: 2
OPPOSITE:

NGL DAWG JUST LOOK AT THE CAD MODEL

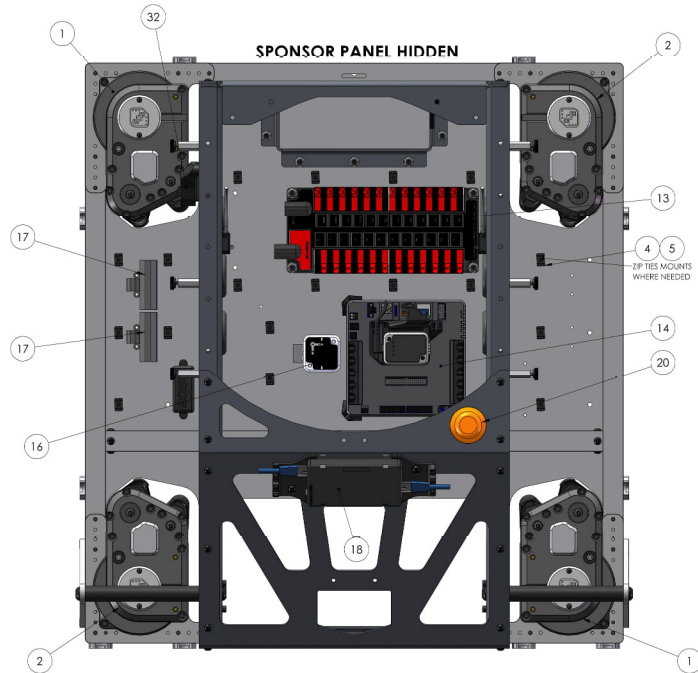
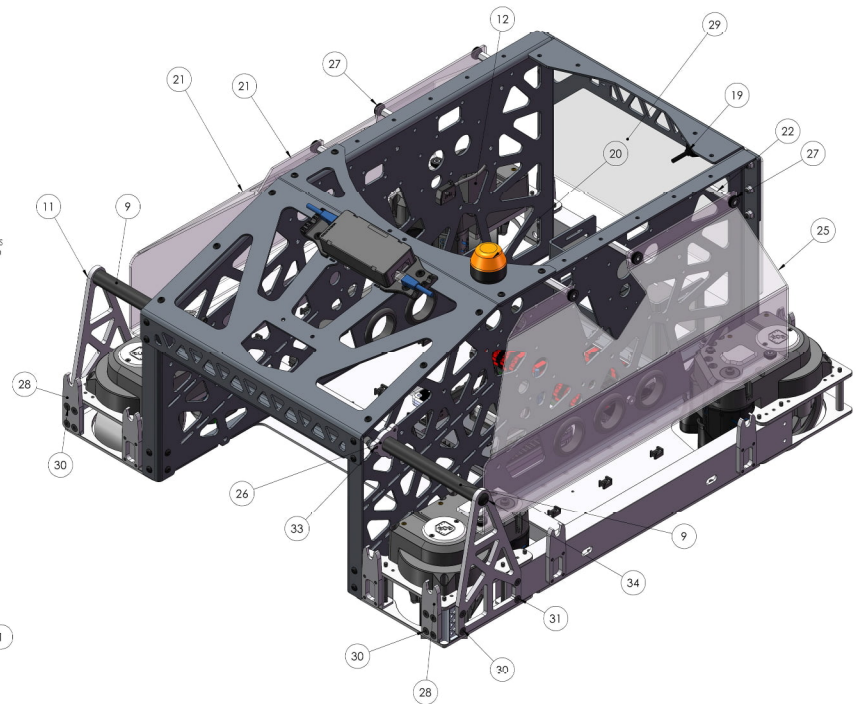
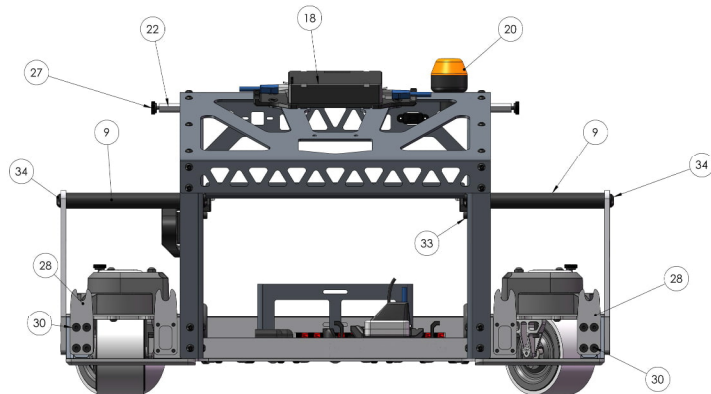


Material		UNLESS OTHERWISE SPECIFIED	
ASSEMBLY	FINISH	PRIMARY UNITS	INCHES
NO FINISH		NO BURRS OR SHARP EDGES	
TOLERANCES		TOLERANCES	
Weight:	123.674	Dimensions per	OPR26-A00 adapt or skip
Drawn By:	2056	DATE:	2026
FRACCTIONS		+1/32"	
2 DECIMAL PLACES		+0.01"	
3 DECIMAL PLACES		+0.005"	
FLAT PATTERNS		+0.005"	
ANGULAR DEGREES		±0.5°	
BENDS		±0.010"	

OP Robotics
(NAME TO BE DECIDED)

DWG. NO. OPR26-A00
PRINTED ON 2026-01-30 SCALE: 1:3 SHEET 2 OF 2

PART NUMBER	DESCRIPTION	QTY.	Material	Price	Weight	Supplier
1	OPR26-A03	2	ASSEMBLY	p	5.937	N/A
2	OPR26-A04	2	ASSEMBLY	N/A	5.937	N/A
3	OPR26-A02	1	ASSEMBLY	N/A	22.323	N/A
4	OPR26-P000	18	ESun EPA-CI	0.000	0.00	3DP
5	P1253A262	18	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.3125 Length	MS	0.26	McMaster Carr
6	P1253A261	4	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.25 Length	MS	0.13	McMaster Carr
7	P1253A269	4	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.75 Length	MS	0.22	McMaster Carr
8	MKS Corner Block	2	Material-not specified	0.0898	0.090	SOS
9	OPR26-P315	2	0.750000" Ø 0.1116 Precision Ground Round Bar 2.250000" Long	0.7444	0.355	LATHE
10	OPR26-P307	1	6061-T6	0.2909	0.291	CHC
11	OPR26-P307-M	1	6061-T6	0.2909	0.291	Fabricated
12	20amps Main Breaker	1	Electrical	29.00	0.2400	AndyMark
13	Power Distribution Panel 2.0	1	Material-not specified	195	1.220000	CTRE
14	OPR26-A03-R2	1	ASSEMBLY	N/A	0.896	ELECTRICAL
15	OPR26-A10	1	ASSEMBLY	N/A	0.023	N/A
16	Pigeon 2	1	Material-not specified	199.99	0.035	CTRE
17	TP1-122 (2-12 terminals)	2	COTS	0.0434	0.043	
18	OPR26-A02	1	ASSEMBLY	N/A	0.451	N/A
19	USB Extension Cable (25-100) 1m	1				
20	Panel Signal Light	1	ELECTRICAL	0	65.27	ROCKWELL AUTOMATION
21	OPR26-P020	1	0.125000 Lexan Sheet	0.489	1.016	ROUTER
22	P1780A343	6	6061-T6	1.49	0.0208	McMaster Carr
23	OPR26-A06-LH	1	ASSEMBLY	N/A	0.010	N/A
24	OPR26-A06-RH	1	ASSEMBLY	N/A	0.008	N/A
25	OPR26-P021	1	Lexan	1.0371	1.037	ROUTER
26	OPR26-P141	2	0.20000 4041-12 Sheet	0.1269	0.042	CHC
27	P8704A325	10	18-8 Trimless Steel			
28	OPR26-P022	2	6061-T6	0.0492	0.049	CHC
29	OPR26-P023	1	0.125000 Lexan Sheet	1.9321	0.651	ROUTER
30	P1253A003	12	MS	\$0.10	0.005	McMaster Carr
31	P1253A008	4	MS	\$0.11	0.007	McMaster Carr
32	OPR26-P021	1	Onyx	0.0403	0.040	3DP
33	P1251A340	6	Alloy Steel	0.11	0.0064	McMaster Carr
34	P1255A624	4	Black-Oxide Alloy Steel Button	0.39		McMaster Carr
35	P3298A109	9	MS	\$0.10	0.0072	McMaster Carr

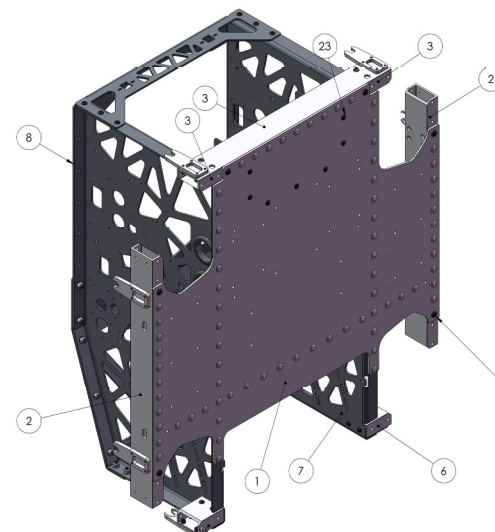


Material	UNLESS OTHERWISE SPECIFIED	OP Robotics
ASSEMBLY	PRIMARY UNITS INCHES	DRIVETRAIN
Finish	NO BURRS OR SHARP EDGES	
Weight	TOLERANCES	
54.147	2 DECIMAL PLACES ±0.01"	
Drawn By: 2056	3 DECIMAL PLACES ±0.005"	
Dimensions per OPR26-A01 adapt or skip	FLAT PATTERNS ±0.005"	
	ANGULAR DEGREES ±0.5°	
	BENDS ±0.010"	

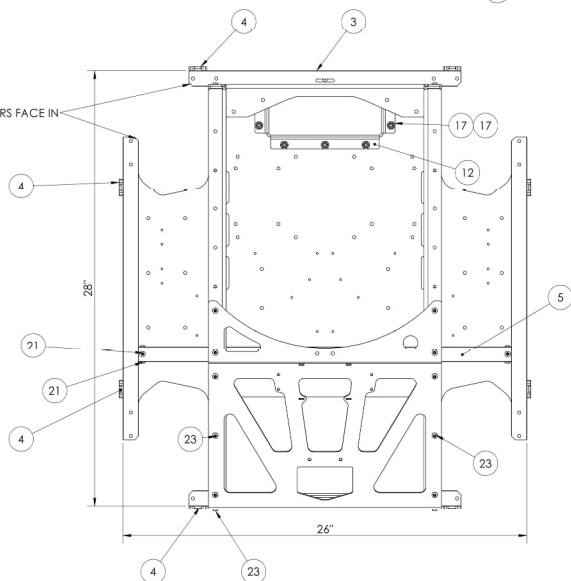
AS SHOWN: 2
OPPOSITE:

DWG. NO. OPR26-A01
PRINTED ON 2026-01-29 SCALE: 1:3 SHEET 1 OF 2

PART NUMBER	DESCRIPTION	QTY.	Material	Price	Weight	Supplier
1 0PR26-P001	BASEPLATE	1	0.125 6061-T6 Sheet	16.689	5.563	Fabworks
2 0PR26-P002	SIDE FRAME RAIL	2	2.000 x 1.000 x 0.125 6061-T6 tubing	3.81	1.265	WESTBROOK
3 0PR26-P003	REAR FRAME MEMBER	1	2.000 x 1.000 x 0.125 6061-T6 tubing	3.91	1.132	WESTBROOK
4 0PR26-P010	Front Bumper Mount	8	6061-T6	0.0359	0.056	CNC
5 0PR26-P008	CROSS MEMBER	1	1.000 x 1.000 x 0.125 6061-T6 tubing	3.03	1.011	WESTBROOK
6 0PR26-P009	DRIVER/PAU TUB	2	2.000 x 1.000 x 0.125 6061-T6 tubing	4.42	1.417	WESTBROOK
7 0PR26-P014	Side Frame	1	0.125 5052-H32 Sheet	10.8364	3.612	FABWORKS
8 0PR26-P014-M	SIDE FRAME MEMBER	1	5052-H32	6.1922	3.622	FABWORKS
9 WCF-0374	Tube Plug (2 1/4" ID) *10-32 Tapped)	2	6061-T6	9.99	0.063	WCF
10 0PR26-P015	Front Plate	1	0.125 5052-H32 Sheet	5.4219	1.807	Fabworks
11 0PR26-P016	Back Plate	1	0.125 5052-H32 Sheet	5.417	2.905	Fabworks
12 0PR26-P019	Bottery Holder	1	0.125 5052-H32 Sheet	1.5	0.5	FABWORKS
13 9602X28	1-3/4" Hollow Diameter and 1/8" Material Thickness	6	18R Rubber			McMaster Cor
14 9121SA340	Black Oxide Alloy Steel Socket Head Cap Screw 1/4"-20 Thread, 0.51 Length	4	Alloy Steel	0.11	0.0084	McMaster Cor
15 9121SA329	Black Oxide Alloy Steel Socket Head Cap Screw 1/4"-20 Thread, 0.625 Length	4	Alloy Steel	0.14	0.0151	McMaster Cor
16 9228BA-10	Medium-Thread Steel Hex-Flange Forging Locknut, Grade 5, Zinc-Plated, 1/4"-20 Thread, 0.51 Length	10	MS	\$0.13	0.0101	McMaster Cor
17 9228BA-19	Medium-Thread Steel Hex-Flange Forging Locknut, Grade 5, Zinc-Plated, 1/30 Thread, 0.51 Length	10	MS	\$0.10	0.0072	McMaster Cor
18 WCF-0376	Tube Plug (1 1/4" ID) *10-32 Tapped)	2	6061-T6	5.99	0.029	WCF
19 9747A451	Aluminum Blind Weld with Aluminum Washers, 1/4" Diameter, 1/8" Thick, 6061-T6 Material Thickness	6	5052-H32	0.3	0.0035	McMaster Cor
20 9125SA339	Alloy Steel Socket Head Cap Screw 1/4"-20 Thread, 0.625 Length	6	MS	0.14	0.012	McMaster Cor
21 9125SA363	Alloy Steel Socket Head Cap Screw 1/4"-20 Thread, 0.75 Length	6	MS	0.13	0.005	McMaster Cor
22 91016A-14	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	4	A 14-1	0.14	0.0064	McMaster Cor
23 9125SA367	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.625 Length	27	MS	0.25	0.0007	McMaster Cor



CORNER BOLTS
NEED TO BE
INSTALLED AFTER
RIMMER
BRACKETS

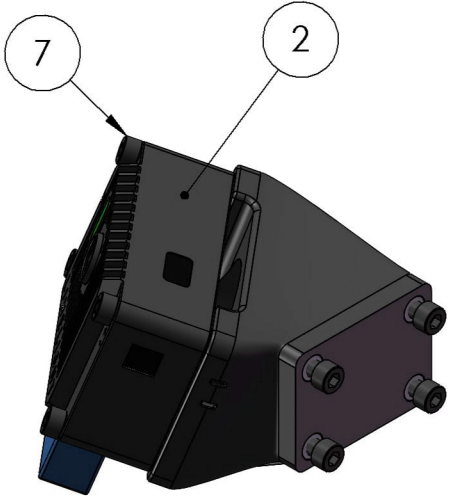
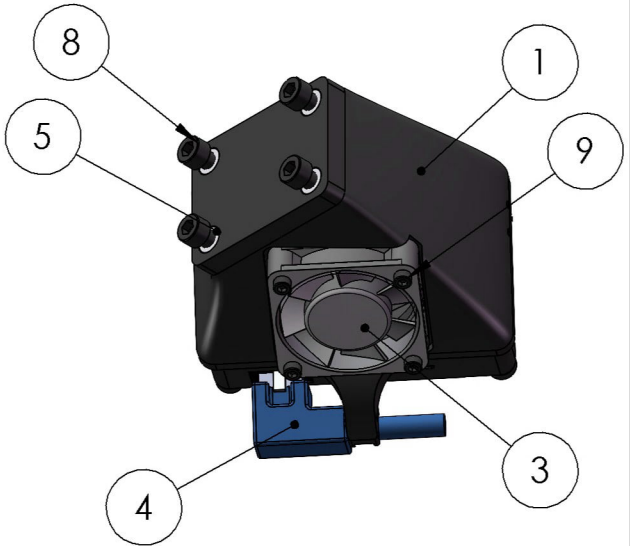
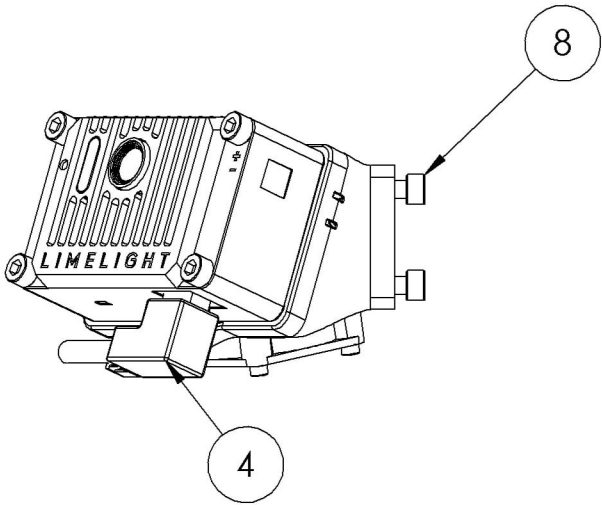
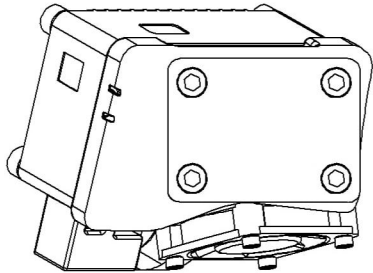


DRILL 0.201" #10 CLEARANCE HOLE THROUGH TUBE PLUG



	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P017	Camera Bracket	1
2	LIMELIGHT 4	Limelight 4 Vision Camera	1
3	40mm KOP fan	Fan, 40x40x10mm	1
4	Right-Left Angled RJ45 Connector		1
5	97164A101	#10-32, 0.225 Length Aluminum Heatset	8
6	97164A107	#4-40, 0.135 Length Aluminum Heatset	4
7	91251A349	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.25 Length	4
8	91251A340	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.375 Length	4
9	91251A110	Black-Oxide Alloy Steel Socket Head Cap Screw #4-40 Thread, 0.5 Length	4

PROCESS:	N/A
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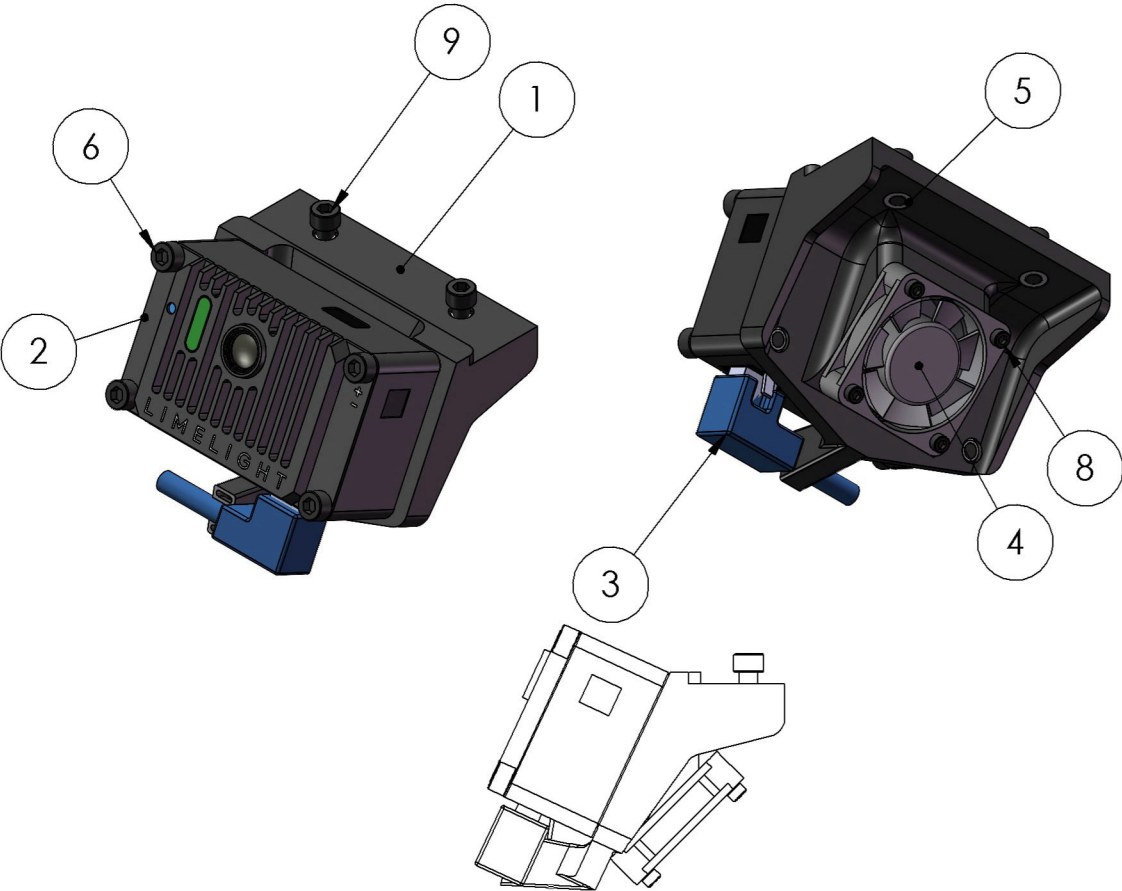
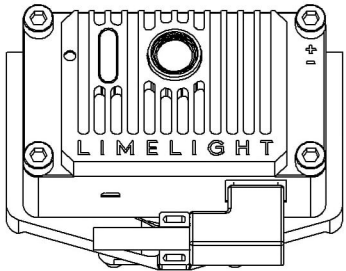
AS SHOWN: 2
OPPOSITE: 2

Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>			
ASSEMBLY		PRIMARY UNITS INCHES					
Finish		NO BURRS OR SHARP EDGES		Side Limelight Mounts			
NO FINISH		TOLERANCES					
Weight	Drawn By		FRACTIONS ±1/32"		DWG. NO. OPR26-A05		
0.607	TH		2 DECIMAL PLACES ±.010"				
Dimensions per OPR26-A05.sldprt or .step			3 DECIMAL PLACES ±.003"		PRINTED ON 30/01/2026 SCALE: 1:2 SHEET 1 OF 1		
			FLAT PATTERNS ±.005"				
			ANGULAR DEGREES ±0.5°				
			BENDS ±0.010"				



	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P018	LL4 Bracket	1
2	LIMELIGHT 4	Limelight 4 Vision Camera	1
3	Right-Left Angled RJ45 Connector		1
4	40mm KOP fan	Fan, 40x40x10mm	1
5	97164A101	#10-32, 0.225 Length Aluminum Heatset	6
6	91251A349	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.25 Length	4
7	97164A107	#4-40, 0.135 Length Aluminum Heatset	4
8	91251A110	Black-Oxide Alloy Steel Socket Head Cap Screw #4-40 Thread, 0.5 Length	4
9	91251A340	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.375 Length	2

PROCESS:	N/A
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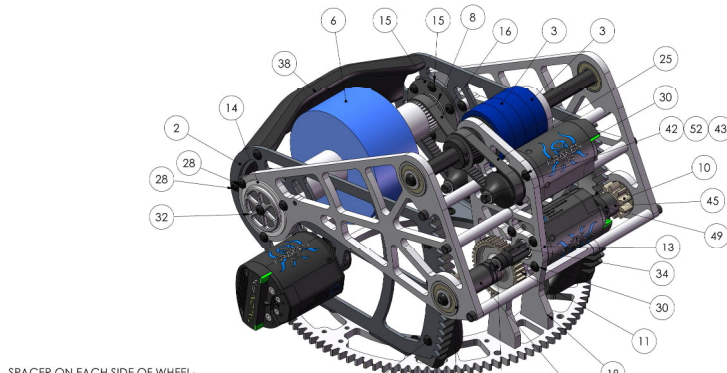


AS SHOWN:
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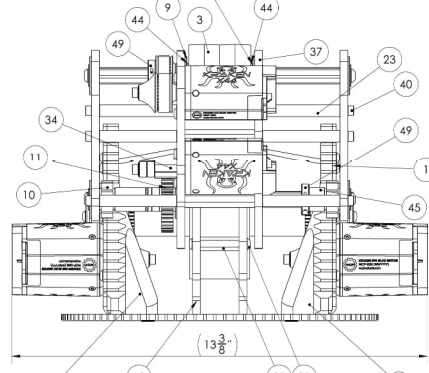
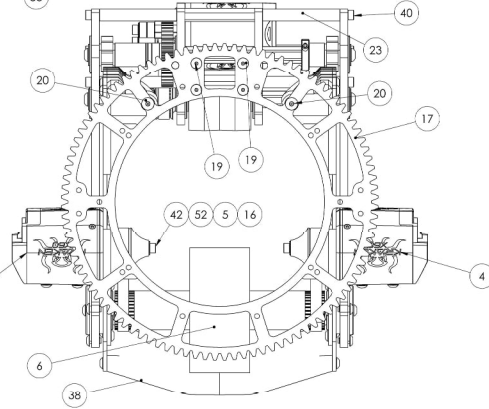
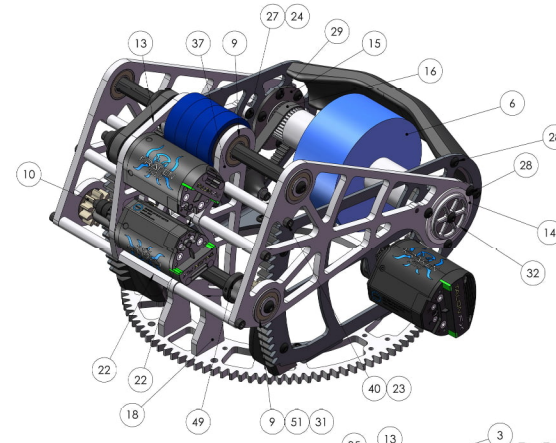
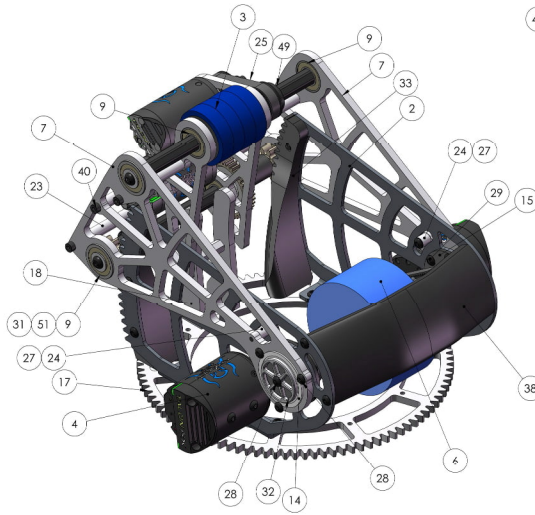
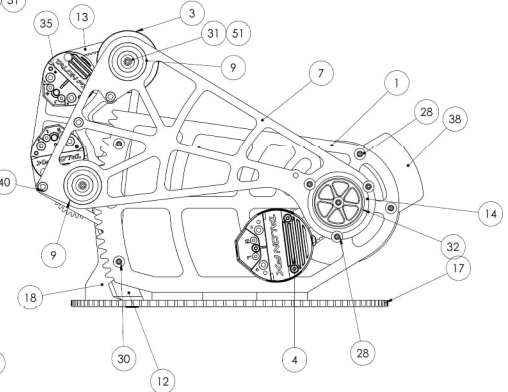


Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>			
ASSEMBLY		PRIMARY UNITS INCHES					
Finish		NO BURRS OR SHARP EDGES		Front Limelight Mount			
NO FINISH		TOLERANCES					
Weight	Drawn By		FRACTIONS ±1/32"		DWG. NO. OPR26-A06		
0.513	TH		2 DECIMAL PLACES ±.010"				
Dimensions per OPR26-A06.sldprt or .step			3 DECIMAL PLACES ±.003"		PRINTED ON 30/01/2026 SCALE: 1:2 SHEET 1 OF 1		
			FLAT PATTERNS ±.005"				
			ANGULAR DEGREES ±0.5°				
			BENDS ±0.010"				

PART NUMBER	DESCRIPTION	QTY.	Material	Supplier
1 OPR26-P105	SHOOTER SIDE PLATE	1	0.125 5052-1032 Sheet	FABWORKS
2 OPR26-P105-M	SHOOTER SIDE PLATE MIRROR	1	5052-1032	FABWORKS
3 AA-M3155	2 inch Stealth Wheel, 55A Diameter, 500 Hex Bore	2	Material not specified	ANDYMARK
4 WCP-QF40	Krohnert X40 Powered by TalonFX	2	Material not specified	WCP
5 OPR26-P103	34 Teeth Timing Pulley, 3mm Pitch	2	ESun EPA-CF	30P
6 OPR26-A11	SHOOTER WHEEL ASSEMBLY	1	ASSEMBLY	N/A
7 OPR26-P107	TURRET HOOD SIDE PLATE	2	6061-T6	CNC
8 PR822	0.5 ID, 1.125 OD, 0.3125 WD, Tapered Shielded Ball Bearing	2	SS	Robolabz
9 R8-88004	0.3125 WD, Tapered Shielded Ball Bearing	7	SS	Robolabz
10 WCP-Q062	10T Aluminum Spur Gear (10 DP, 1/2" Hex Bore)	2	7075-T6	WCO
11 WCP-Q116	40 Teeth, 20DP, 0.5 Hex Bore, Aluminum Pocketed Spur Gear	1	7075-T6	WCP
12 OPR26-P110	HOOD SECTOR GEAR	1	ESun EPA-CF	30P
13 OPR26-P108	DRIVE SIDE KICKER PLATE	1	6061-T6	CNC
14 WCP-1471	35MM ID FLANGED BALL BEARING	2	COTS	WCP
15 OPR26-P144	BEARING HOUSING	2	ESun EPA-CF	Fabricated
16 WCP-1047	75 Teeth Timing Belt, 3mm Pitch, 9mm Wide, 225mm Long	2	POLYURETHAN E	WCP
17 OPR26-P106	TURRET GEAR	1	6061-T6	FABWORKS
18 OPR26-P116	FIXED SHOOTER SKIS	2	6061-T6	CNC
19 P1253A194	Alloy Steel Flat Head Socket Cap Screw #8-32 Thread, 0.500 Length	4	MS	McMaster Carr
20 P1253A003	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.500 Length	2	MS	McMaster Carr
21 P17816124	Aluminum Torx, Threaded Hex Cap Screw #10-32 Screw Size	1	ALUMINUM	McMaster Carr
22 P1780A589	Aluminum Torx, Threaded Hex Standoff 0.375 Hex, 2.25 Length, #10-32 Screw Size	3	6061-T6	McMaster Carr
23 P2510A408	Aluminum Unthreaded Spacer 0.375 OD, 2.5 Length, #10 Screw	6	6061-T6	McMaster Carr
24 P2510A644	Aluminum Unthreaded Spacer 0.375 OD, 0.375 Length, #10 Screw	2	6061-T6	McMaster Carr
25 WCP-1048	45 Teeth Timing Belt, 3mm Pitch, 9mm Wide, 195mm Long	1	POLYURETHAN E	WCP
26 OPR26-P100	32 Teeth Timing Pulley, 3mm Pitch	1	ESun EPA-CF	30P
27 P1255A267	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.625 Length	2	MS	McMaster Carr
28 P1255A263	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.375 Length	16	MS	McMaster Carr
29 P1255A261	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.24 Length	12	MS	McMaster Carr
30 P1255A265	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.5 Length	14	MS	McMaster Carr
31 P1255A537	Alloy Steel Flat Head Socket Cap Screw #4-20 Thread, 0.5 Length	4	MS	McMaster Carr
32 OPR26-P113	FANCY WASHER	2	0.125 6061-T6 Sheet	CNC
33 OPR26-P110-M	HOOD SECTOR GEAR MIRROR	1	ESun EPA-CF	30P
34 WCP-1004	18 Flat Spur Gear (20 DP, 10P Center Distance, 8mm SpineX5 Bore)	1	4140 Steel	WCP
35 WCP-QF41	Krohnert X44	2	Material not specified	WCP
36 OPR26-P111	HOOD DRIVE SHAFT	2	7075-T6 0.500" Fluted Hex 8.375" Long	LATHE
37 OPR26-P107	HIGH ROLLER SIDE PLATE	1	6061-T6	Q1Q
38 OPR26-P112	SHOOTER BRIDGE	1	ESun EPA-CF	30P
39 A89-1003-ND	Magnet Neodymium Iron Boron (Hafn) N35 0.25" Dia x 0.25" H (6.35mm x 6.35mm)	1	COTS	DiKey
40 P1251A361	Black Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.375 Length	6	Alloy Steel	McMaster Carr
41 P1251A340	Black Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.375 Length	6	Alloy Steel	McMaster Carr
42 P1251A342	Black Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.5 Length	6	Alloy Steel	McMaster Carr
43 OPR26-P104-R1	32 Teeth Timing Pulley, 3mm Pitch	1	ESun EPA-CF	30P
44 217-3257	0.0625 Delrin Washer - 0.5 Hex	4	COTS	30P
45 217-3261	0.5 Delrin Washer - 0.5 Hex	1	COTS	30P
46 217-3263	1 Delrin Washer - 0.5 Hex	1	COTS	30P
47 217-3259	0.25 Delrin Washer - 0.5 Hex	1	COTS	30P
48 217-2758	0.125 Delrin Washer - 0.5 Hex	1	COTS	30P
49 WCP-Q199	1/2" Hex Clamping Shaft Collar	2	6061-T6	WCP
50 WCP-1405	0.25 SpineX5 Krohnert Spacer	2	Onyx	30P
51 P258A0213	Aluminum Flat Washer 0.4875 OD, 1/4" Screw Size	4	6061-T6	McMaster Carr
52 P258A0211	Aluminum Flat Washer 0.4375 OD, #10 Screw Size	4	6061-T6	McMaster Carr



SPACER ON EACH SIDE OF WHEEL



- NOTES:
- PRINTED PARTS NEED 10-32 HEATSETS INSTALLED PRIOR TO ASSY
 - SHOOTER WHEEL ASSEMBLY CAN NOT BE INSERTED LATER, IT MUST GO ON AT THE SAME TIME AS THE SIDEPLATES
 - CREASE THE HOOD GEARBOX VERY VERY LIGHTLY
 - 10DP HOOD DRIVE GEARS MUST BE CLOCCED ON THE HEX SHAFT.
 - KICKER MOTOR PULLEY AND SHOOTER MOTOR PULLEY ARE NOT THE SAME

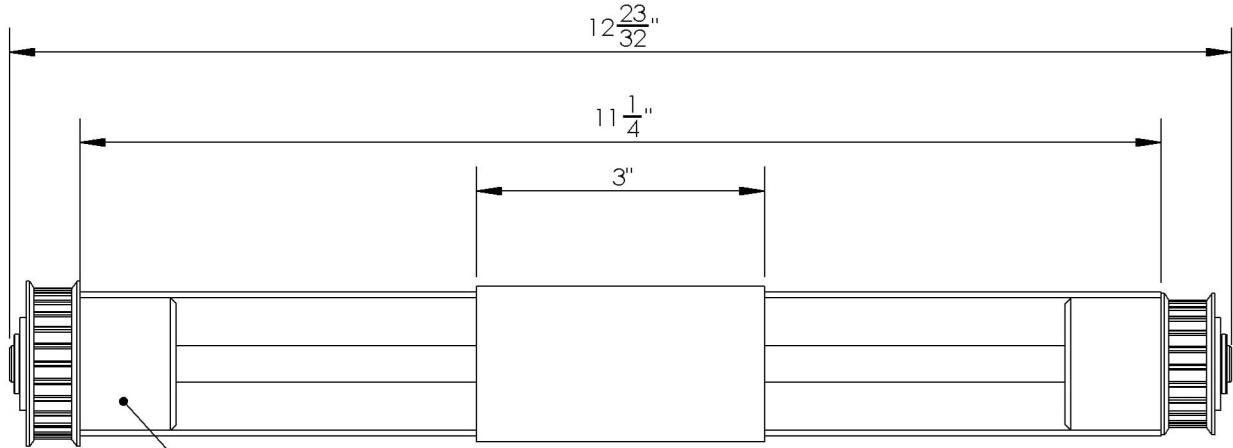
AS SHOWN: 2
OPPOSITE:



Material	UNLESS OTHERWISE SPECIFIED	OP Robotics
ASSEMBLY	PRIMARY UNITS INCHES	SHOOTER
Finish	NO BURRS OR SHARP EDGES	
NO FINISH	TOLERANCES	
Weight	FINISHES	
10.273	2 DECIMAL PLACES ±0.005"	
	3 DECIMAL PLACES ±0.0005"	
	FLAT PATTERNS ±0.5°	
	ANGULAR DEGREES ±0.010°	
Dimensions per OPR26-A12 altprt or .step		

DWG. NO. OPR26-A12
PRINTED ON 2026-01-30 SCALE: 1:2 SHEET 1 OF 1

	PART NUMBER	DESCRIPTION	QTY.		PROCESS:	N/A
1	OPR26-P201	ROLLER	1			
2	OPR26-P200	TUBE PLUG26 Teeth Timing Pulley, 5mm Pitch	1			
3	FR6ZZ	0.375" ID, 0.875" OD, Flanged Double Shielded Ball Bearing	2			
4	OPR26-P203	0.375" Tube Axle Stock 12.719" Long	1			
5	OPR26-P204	WCP Silicone Roller Sleeve	1			
6	217-3258	0.0625 Delrin Washer - 0.375 Hex	2			
7	OPR26-P202	TUBE PLUG 22 Teeth Timing Pulley, 5mm Pitch	1			



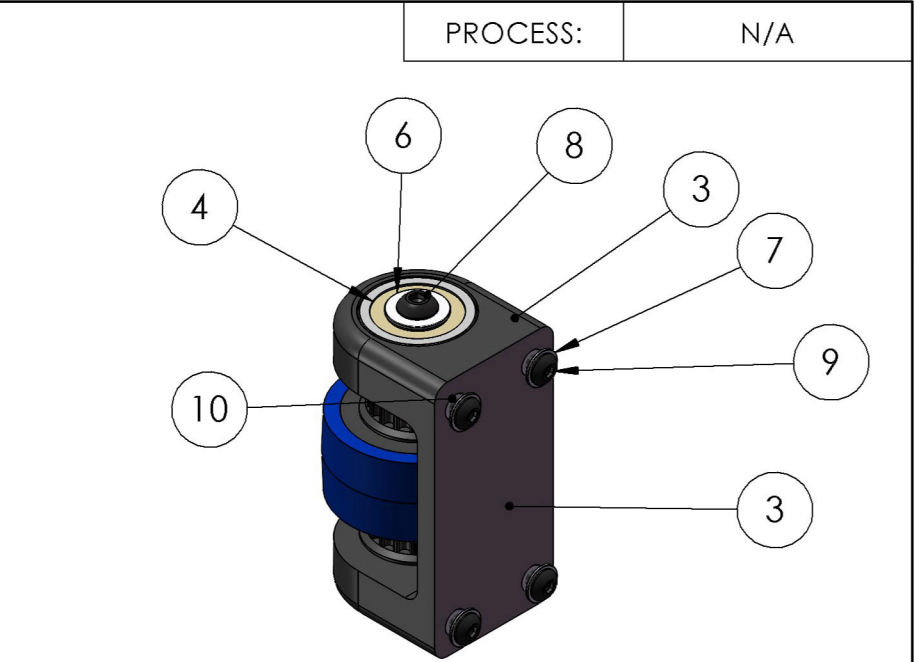
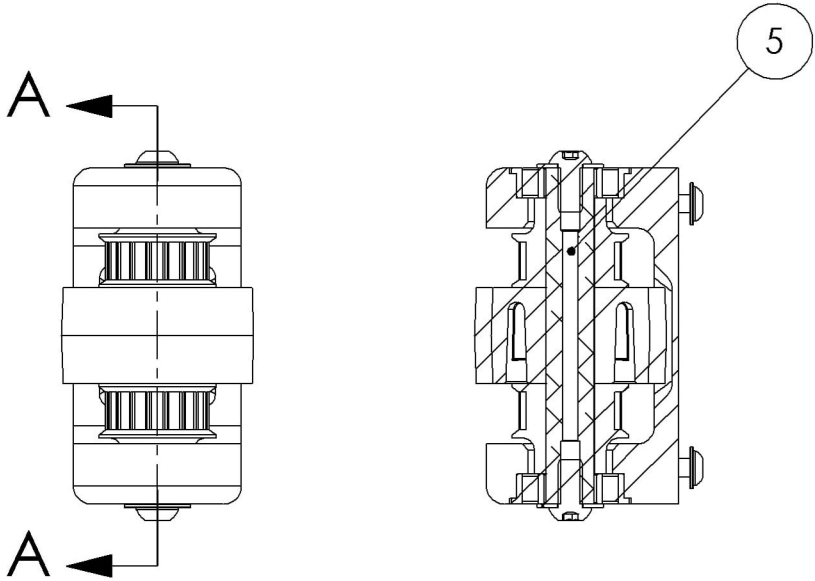
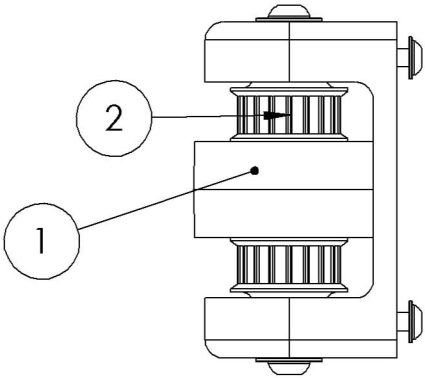
EPOXY TUBE PLUGS
WITH URETHANE ADHESIVE LORD 7150A/B

AS SHOWN: 18
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>Accelerator Roller</div> <div>DWG. NO. OPR26-A20</div> <div>PRINTED ON 2026-01-29 SCALE: 1:2 SHEET 1 OF 1</div>		
ASSEMBLY		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES				
NO FINISH		TOLERANCES				
Weight	Drawn By		FRACTIONS		±1/32"	
0.437	TH		2 DECIMAL PLACES		±.010"	
Dimensions per OPR26-A20.sldprt or .step			3 DECIMAL PLACES		±.003"	
			FLAT PATTERNS		±.005"	
			ANGULAR DEGREES		±0.5°	
			BENDS		±0.010"	

	PART NUMBER	DESCRIPTION	QTY.
1	AM-3155	2 inch Stealth Wheel, 50A Durometer, 500 Hex Bore	1
2	OPR26-P205	18 Teeth Timing Pulley, 5mm Pitch	2
3	OPR26-P206	NARROW YOKE	1
4	RB-BB004	13.75mm Rounded Hex, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	2
5	OPR26-P219	Side Roller Shaft	1
6	93286A013	Aluminum Flat Washer 0.6875 OD, 1/4 Screw Size	2
7	93286A011	Aluminum Flat Washer 0.4375 OD, #10 Screw Size	4
8	91255A537	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	2
9	91255A265	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.5 Length	4
10	97164A101	#10-32, 0.225 Length Aluminum Heatset	4



SECTION A-A

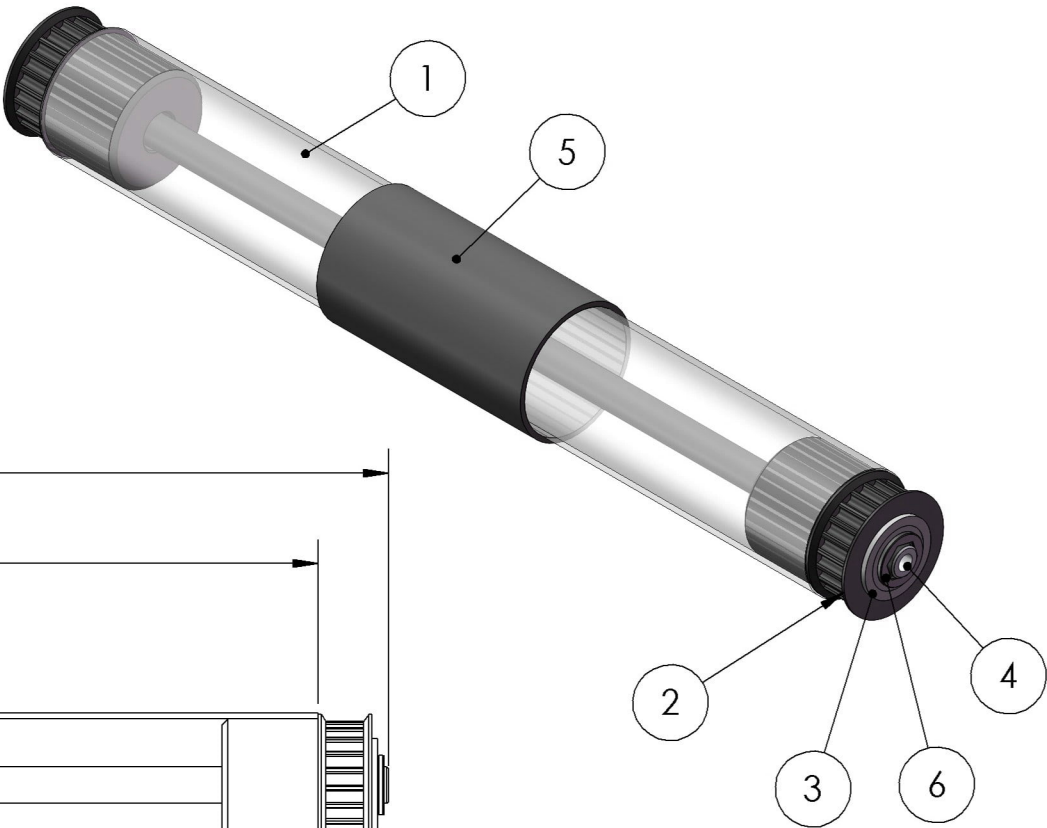
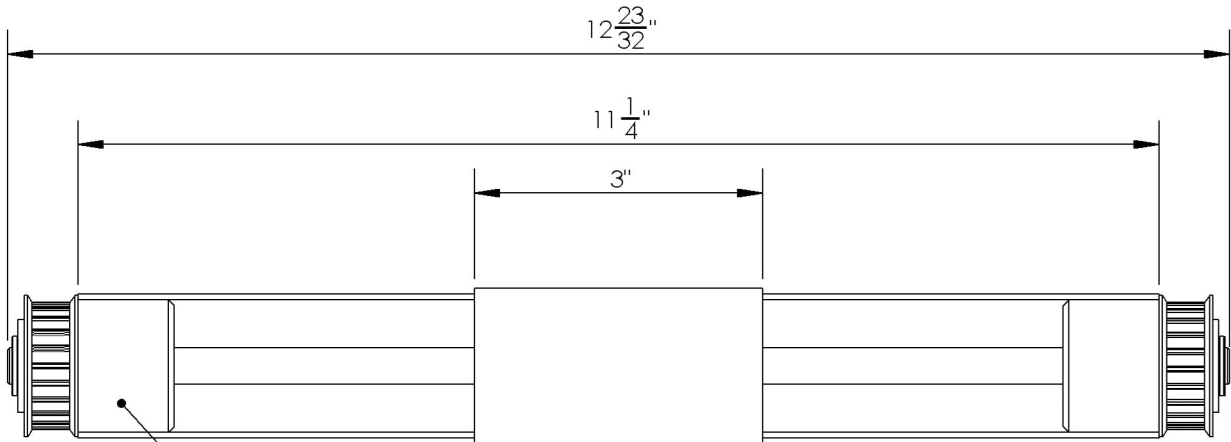
AS SHOWN: 6
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>			
ASSEMBLY		PRIMARY UNITS INCHES					
Finish		NO BURRS OR SHARP EDGES		SIDE ROLLER			
NO FINISH		TOLERANCES					
Weight	Drawn By		FRACTIONS ±1/32"		DWG. NO. OPR26-A21		
0.451	TH		2 DECIMAL PLACES ±.010"				
Dimensions per OPR26-A21.sldprt or .step			3 DECIMAL PLACES ±.003"		PRINTED ON 2026-01-29 SCALE: 1:2 SHEET 1 OF 1		
			FLAT PATTERNS ±.005"				
			ANGULAR DEGREES ±0.5°				
			BENDS ±0.010"				

			PROCESS:	N/A
PART NUMBER	DESCRIPTION	QTY.		

1	OPR26-P201	ROLLER	1
2	OPR26-P202	TUBE PLUG 22 Teeth Timing Pulley, 5mm Pitch	2
3	FR6ZZ	0.375" ID, 0.875" OD, Flanged Double Shielded Ball Bearing	2
4	OPR26-P203	0.375" Tube Axle Stock 12.719" Long	1
5	OPR26-P204	WCP Silicone Roller Sleeve	1
6	217-3258	0.0625 Delrin Washer - 0.375 Hex	2



EPOXY TUBE PLUGS
WITH URETHANE ADHESIVE LORD 7150A/B

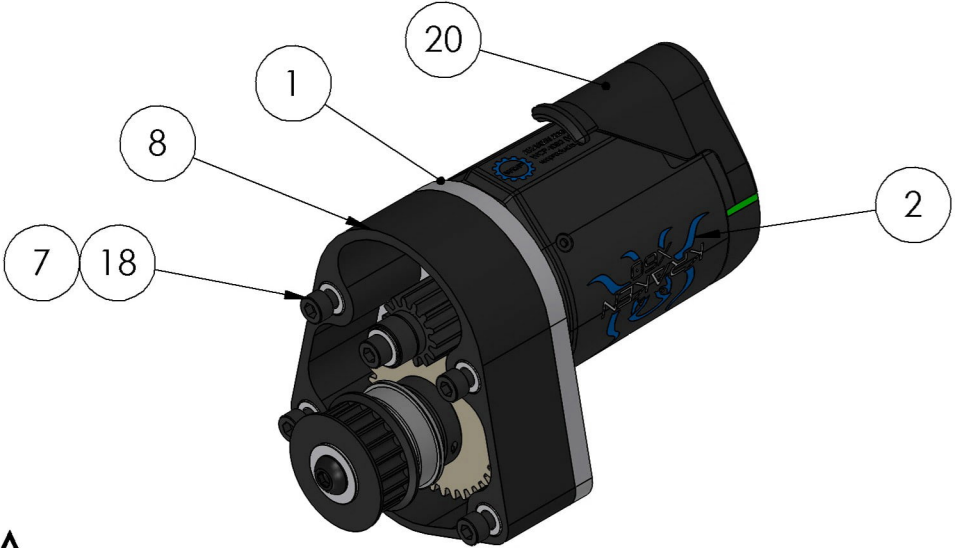
AS SHOWN: 15
OPPOSITE: 0



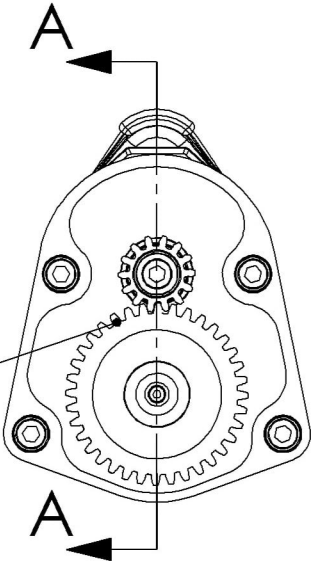
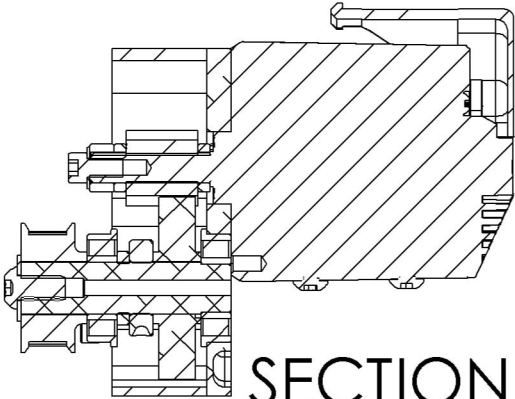
Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
ASSEMBLY		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES		Feed Roller		
NO FINISH		TOLERANCES				
Weight	Drawn By	FRACTIONS		DWG. NO.		
0.430		2 DECIMAL PLACES				
Dimensions per OPR26-A23.sldprt or .step		3 DECIMAL PLACES		OPR26-A23		
		FLAT PATTERNS				
		ANGULAR DEGREES				
		BENDS				
		±1/32"		PRINTED ON 2026-01-29		
		±.010"		SCALE: 1:2		
		±.003"		SHEET 1 OF 1		
		±.005"				
		±0.5°				
		±0.010"				

	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P208	FEED CONVEYOR GEARBOX PLATE	1
2	WCP-0940	Kraken X60 Powered by TalonFX	1
3	FR8ZZ	0.5 ID, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	1
4	RB-BB004	13.75mm Rounded Hex, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	1
5	WCP-0709	36 Tooth, 20DP, 0.5 Hex Bore, Aluminum Spur Gear	1
6	WCP-1013	14t Steel Spur Gear (20 DP, 8mm SplineXS Bore)	1
7	92510A649	Aluminum Unthreaded Spacer 0.375 OD, 1 Length, #10 Screw Size	4
8	OPR26-P213	FEED CONVEYOR GEARBOX COVER	1
9	OPR26-P215	20 Teeth Timing Pulley, 5mm Pitch	1
10	OPR26-P217	Gearbox Shaft	1
11	WCP-0799	1/2" Hex Clamping Shaft Collar	1
12	217-2758	0.125 Delrin Washer - 0.5 Hex	1
13	WCP-1404	0.125 SplineXS Kraken Spacer	2
14	WCP-1405	0.25 SplineXS Kraken Spacer	1
15	93286A011	Aluminum Flat Washer 0.4375 OD, #10 Screw Size	1
16	93286A013	Aluminum Flat Washer 0.6875 OD, 1/4 Screw Size	1
17	91251A340	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.375 Length	1
18	91251a287	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.625 Length	2
19	91255A537	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	1
20	OPRSTD-P012	Kraken x60 Wire Guard	1
21	McMaster Carr - Socket Head Cap Screw	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.375 Length	2

PROCESS:	ASSEMBLY
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APPLY GREASE



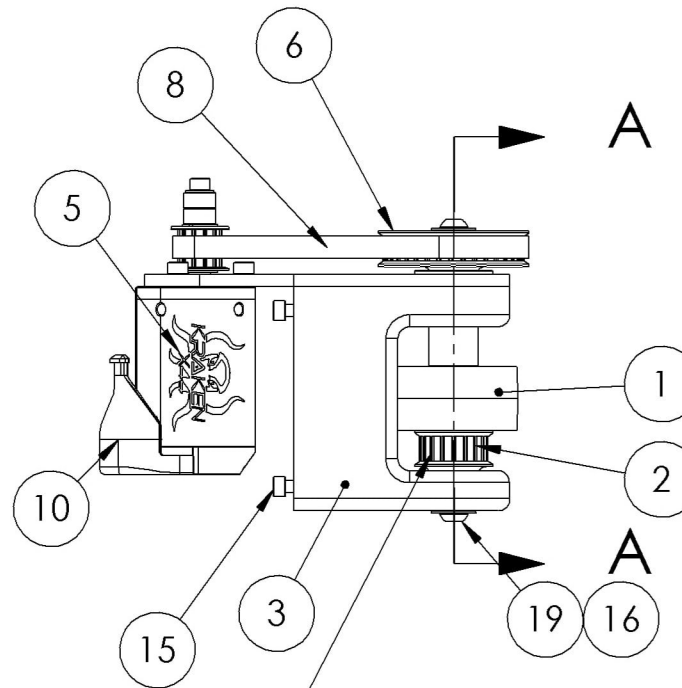
SECTION A-A

AS SHOWN: 4
OPPOSITE: 0

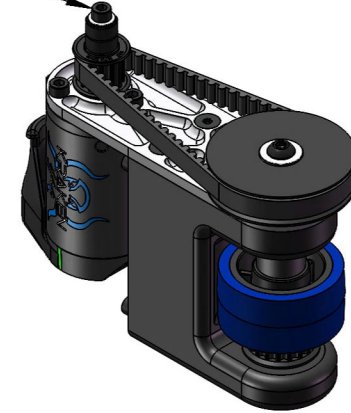
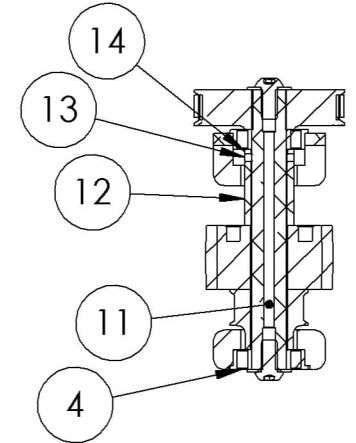
Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
ASSEMBLY		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES		Feed Conveyor Gearbox		
NO FINISH		TOLERANCES				
Weight	Drawn By	FRACTIONS		<div>DWG. NO.</div> <div>OPR26-A24</div>		
1.811	TH	2 DECIMAL PLACES ±1/32"				
Dimensions per OPR26-A24.sldprt or .step		3 DECIMAL PLACES ±.010"				
		FLAT PATTERNS ±.003"				
		ANGULAR DEGREES ±.005"				
		BENDS ±0.5°		<div>PRINTED ON 2026-01-29</div> <div>SCALE: 1:2</div> <div>SHEET 1 OF 1</div>		
		±0.010"				



	PART NUMBER	DESCRIPTION	QTY.
1	AM-3155	2 inch Stealth Wheel, 50A Durometer, 500 Hex Bore	1
2	OPR26-P205	18 Teeth Timing Pulley, 5mm Pitch	1
3	OPR26-P211	DRIVE YOKE	1
4	RB-BB004	13.75mm Rounded Hex, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	2
5	WCP-0941	Kraken X44	1
6	OPR26-P210	36 Teeth Timing Pulley, 5mm Pitch	1
7	WCP-1017	12t x 9mm Wide Aluminum Pulley (HTD 5mm, 8mm SplineXS Bore)	1
8	WCP-0618	65 Teeth Timing Belt, 5mm Pitch, 9mm Wide, 325mm Long	1
9	OPR26-P212	SIDE ROLLER DRIVE PLATE	1
10	OPRSTD-P011	Kraken X44 Wire Guard	1
11	OPR26-P220	Driving Side Roller Shaft	1
12	217-3263	1 Delrin Washer - 0.5 Hex	1
13	217-2758	0.125 Delrin Washer - 0.5 Hex	1
14	217-3257	0.0625 Delrin Washer - 0.5 Hex	1
15	91251A342	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.5 Length	8
16	93286A013	Aluminum Flat Washer 0.6875 OD, 1/4 Screw Size	2
17	93286A011	Aluminum Flat Washer 0.4375 OD, #10 Screw Size	1
18	WCP-1405	0.25 SplineXS Kraken Spacer	2
19	91255A537	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	2
20	97164A101	#10-32, 0.225 Length Aluminum Heatset	8
21	91253A003	Alloy Steel Flat Head Socket Cap Screw #10-32 Thread, 0.500 Length	4



PROCESS: N/A



SECTION A-A

AS SHOWN: 4
OPPOSITE: 0

INSTALL DESIRED TIMING BELT DURING ASSEMBLY



Material		UNLESS OTHERWISE SPECIFIED	
ASSEMBLY		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
1.586	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-A26.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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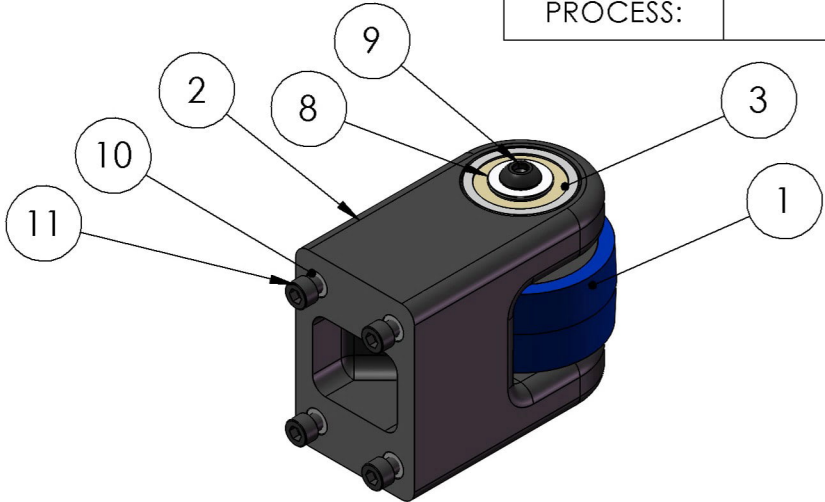
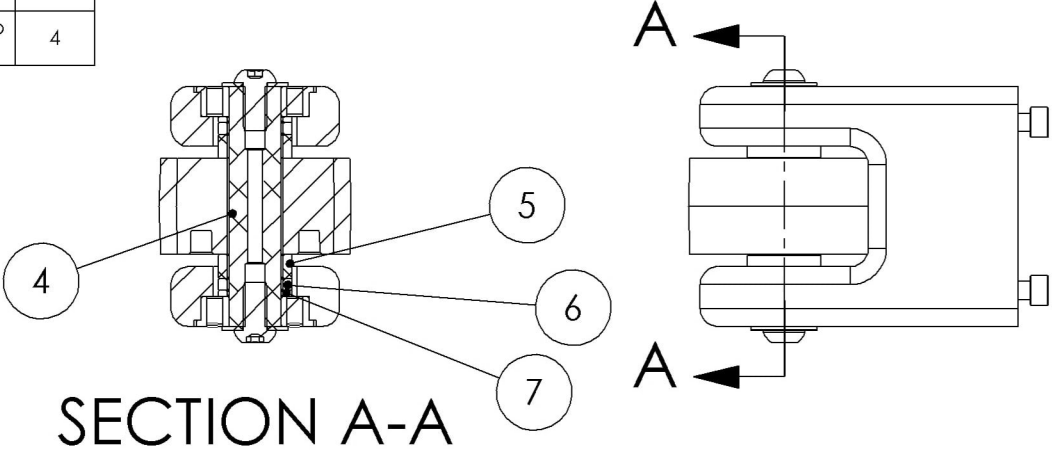
SIDE ROLLER DRIVE ASSEMBLY

DWG. NO.

OPR26-A26

PRINTED ON 2026-01-29 SCALE: 1:3 SHEET 1 OF 1

	PART NUMBER	DESCRIPTION	QTY.
1	AM-3155	2 inch Stealth Wheel, 50A Durometer, 500 Hex Bore	1
2	OPR26-P216	SHOOTER GUIDE YOKES	1
3	RB-BB004	13.75mm Rounded Hex, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	2
4	OPR26-P221	Idle Roller Shaft	1
5	217-3259	0.25 Delrin Washer - 0.5 Hex	2
6	217-2758	0.125 Delrin Washer - 0.5 Hex	2
7	217-3257	0.0625 Delrin Washer - 0.5 Hex	2
8	93286A013	Aluminum Flat Washer 0.6875 OD, 1/4 Screw Size	2
9	91255A537	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	2
10	97164A101	#10-32, 0.225 Length Aluminum Heatset	4
11	91251A342	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.5 Length	4



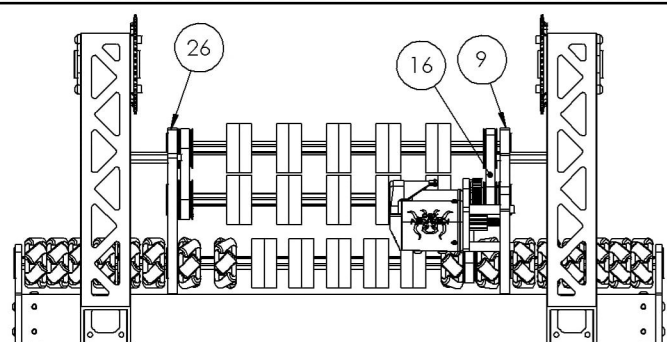
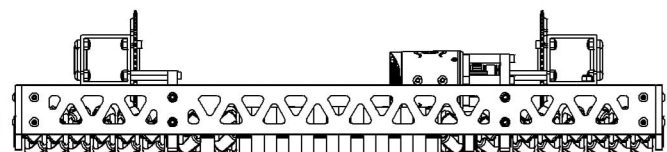
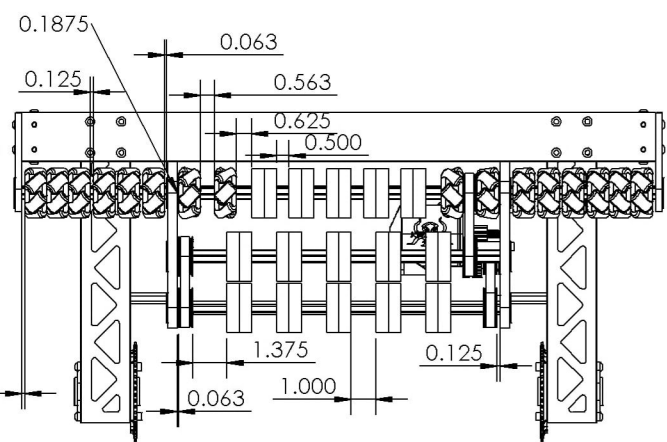
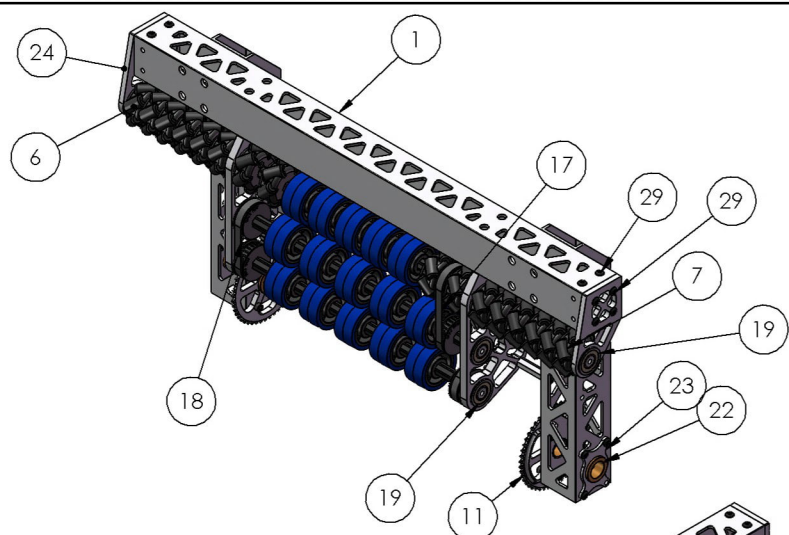
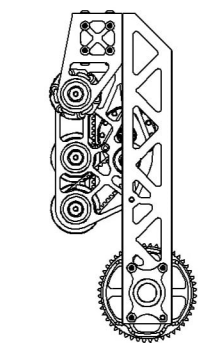
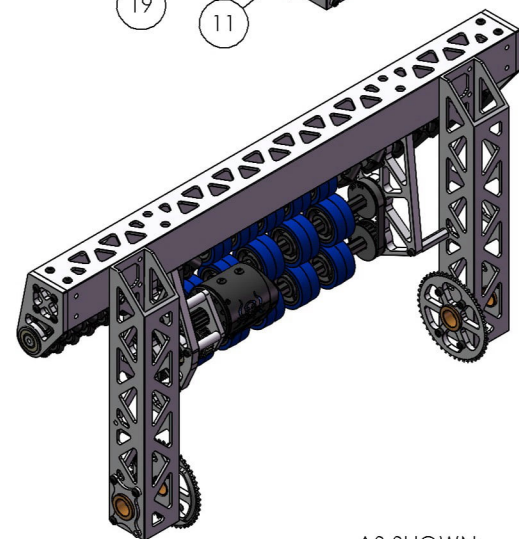
SECTION A-A

AS SHOWN: 4
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
ASSEMBLY		PRIMARY UNITS INCHES				
Finish		NO BURRS OR SHARP EDGES		SHOOTER INFEED GUIDES		
NO FINISH		TOLERANCES				
Weight	Drawn By		FRACTIONS ±1/32"		<div>DWG. NO.</div> <div>OPR26-A27</div>	
0.512	BP		2 DECIMAL PLACES ±.010"			
Dimensions per OPR26-A27.sldprt or .step			3 DECIMAL PLACES ±.003"			
			FLAT PATTERNS ±.005"			
			ANGULAR DEGREES ±0.5°			
			BENDS ±0.010"		PRINTED ON 2026-01-29	
					SCALE: 1:2	
					SHEET 1 OF 1	

PART NUMBER	DESCRIPTION	QTY.
1 OPR26-P300	INTAKE FRONT BAR	1
2 OPR26-P301	INTAKE PIVOT ARM	2
3 OPR26-P302	Intake Shaft	1
4 AM-3155	2 inch Stealth Wheel, 50A Durometer, 500 Hex Bore	15
5 OPR26-P310	24 Teeth Timing Pulley, 5mm Pitch	5
6 ITB-0010-LH	2" Vectored Intake Wheels	8
7 ITB-0010-RH		8
8 WCP-0373	Tube Plug (2"x2"x0.125", #10-32 Tapped)	2
9 OPR26-P304	Intake Gearbox Plate	1
10 OPR26-P305	Intake Transfer Shaft	2
11 OPR26-P306	48T Sprocket	2
12 WCP-0940	Kraken X60 Powered by TalonFX	1
13 OPR26-P322	18 Teeth Timing Pulley, 5mm Pitch	1
14 WCP-1010	12T Steel Spur Gear (20 DP, 8mm SpineX5 Bore)	1
15 WCP-0705	28 Tooth, 20DP, 0.5 Hex Bore, Aluminum Spur Gear	1
16 WCP-0615	50 Teeth Timing Belt, 5mm Pitch, 9mm Wide, 250mm Long	1
17 WCP-0615	50 Teeth Timing Belt, 5mm Pitch, 9mm Wide, 250mm Long	1
18 WCP-0162	45 Teeth Timing Belt, 5mm Pitch, 9mm Wide, 225mm Long	1
19 FR8ZZ	0.5 ID, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	10
20 OPR26-P308	Intake Motor Plate	1
21 92510A650	Aluminum Unthreaded Spacer 0.375 OD, 1.25 Length, #10 Screw Size	3
22 6338K429	Bronze Flanged Sleeve Bearing, 0.75" Bore, 0.875" OD, 0.5" Length	4
23 OPR26-P316	Bushing Plate	2
24 OPR26-P317	Intake End Plates	2
25 93298A109	Medium-Strength Steel Nylon-Insert Hange Locknut, Grade f, Zinc-Plated, 10-32 Thread Size	1
26 OPR26-P319	Intake Idler Side Plate	1
27 OPR26-P321	Intake Intermediate Shaft	1
28 91780A308	Aluminum Female Threaded Hex Standoff 0.375 Hex, 1.5 Length, #10-32 Screw Size	2
29 91255A263	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.375 Length	16
30 91251A354	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 2.25 Length	3
31 91255A265	Alloy Steel Button Head Socket Cap Screw #10-32 Thread, 0.5 Length	7
32 91251A344	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.625 Length	8
33 90631A411	Zinc-Plated Grade 2 STL Nylon-Insert Hex Locknut 10-32 Thread Size, 3/8" Width, 15/64" Height	16
34 91251A194	Black-Oxide Alloy Steel Socket Head Cap Screw #8-32 Thread, 0.5 Length	6
35 91251A197	Black-Oxide Alloy Steel Socket Head Cap Screw #8-32 Thread, 0.75 Length	2
36 OPRSTD-P012	Kraken x60 Wire Guard	1

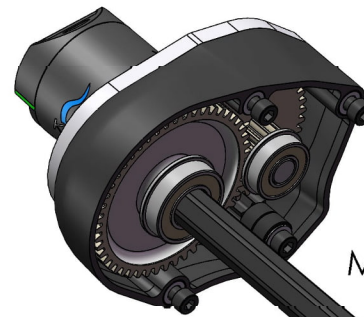


AS SHOWN:
OPPOSITE:



Material	UNLESS OTHERWISE SPECIFIED	OP Robotics www.2056.ca Dropdown Intake
ASSEMBLY	PRIMARY UNITS INCHES	
Finish	NO BURRS OR SHARP EDGES	DWG. NO. OPR26-A30
NO FINISH	TOLERANCES	
Weight	Drawn By	PRINTED ON 30/01/2026 SCALE: 1:5 SHEET 1 OF 1
11.490	TH	
Dimensions per OPR26-A30.sldprt or .step		FRACTIONS ±1/32" 2 DECIMAL PLACES ±.010" 3 DECIMAL PLACES ±.003" FLAT PATTERNS ±.005" ANGULAR DEGREES ±0.5° BENDS ±0.010"

	PART NUMBER	DESCRIPTION	QTY.	Supplier
1	WCP-0119	50 Tooth, 20DP, 0.5 Hex Bore, Aluminum Pocketed Spur Gear	1	WCP
2	WCP-0693	40 Tooth, 20DP, 0.375 Hex Bore, Aluminum Spur Gear	1	WCP
3	WCP-0680	14 Tooth, 20DP, 0.375 Hex Bore, Aluminum Spur Gear	1	WCP
4	RB-BB004	13.75mm Rounded Hex, 1.125 OD, 0.3125 WD, Flanged Shielded Ball Bearing	3	RoboBitz
5	FR6ZZ	0.375 ID, 0.875 OD, 0.281 WD, Flanged Shielded Ball Bearing	2	RoboBitz
6	WCP-0941	Kraken X44	1	WCP
7	WCP-0577	14t Steel Double Hub Sprocket (#25 Chain, 1/2" Hex Bore)	2	WCP
8	OPR26-P312	INTAKE PIVOT GEARBOX PLATE	1	CNC
9	WCP-1006	8t Steel Spur Gear (20 DP, 10t Center Distance, 8mm SplineXS Bore)	1	WCP
10	OPR26-P311	Jack Shaft	1	LATHE
11	OPR26-P313	Intake Jackshaft Bearing Plate	1	CNC
12	92511A008	Aluminum Unthreaded Spacer 0.375 OD, 1.125 Length, #10 Screw Size	6	McMaster Carr
13	OPR26-P218	Gearbox Shaft	1	LATHE
14	OPR26-P314	INTAKE PIVOT GEARBOX COVER	1	3DP
15	93286A013	Aluminum Flat Washer 0.6875 OD, 1/4 Screw Size	2	McMaster Carr
16	93286A011	Aluminum Flat Washer 0.4375 OD, #10 Screw Size	1	McMaster Carr
17	91255A537	Alloy Steel Button Head Socket Cap Screw 1/4"-20 Thread, 0.5 Length	2	McMaster Carr
18	91251A351	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.5 Length	3	McMaster Carr
19	91251A342	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 0.5 Length	3	McMaster Carr
20	91251A352	Black-Oxide Alloy Steel Socket Head Cap Screw #10-32 Thread, 1.75 Length	3	McMaster Carr
21	WCP-1405	0.25 SplineXS Kraken Spacer	2	3DP
22	217-3261	0.5 Delrin Washer - 0.5 Hex	1	3DP
23	217-3257	0.0625 Delrin Washer - 0.5 Hex	3	3DP



MOUNTS ONTO MAIN CHASSIS



ASSEMBLY INSTRUCTION ON NEXT PAGE

AS SHOWN: 2
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED
ASSEMBLY		PRIMARY UNITS INCHES
Finish		NO BURRS OR SHARP EDGES
NO FINISH		TOLERANCES
Weight	Drawn By	FRACTIONS ±1/32"
2.106	BP	2 DECIMAL PLACES ±.010"
Dimensions per OPR26-A34.sldprt or .step		3 DECIMAL PLACES ±.003"
		FLAT PATTERNS ±.005"
		ANGULAR DEGREES ±0.5°
		BENDS ±0.010"

OP Robotics

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INTAKE PIVOT GEARBOX

DWG. NO.

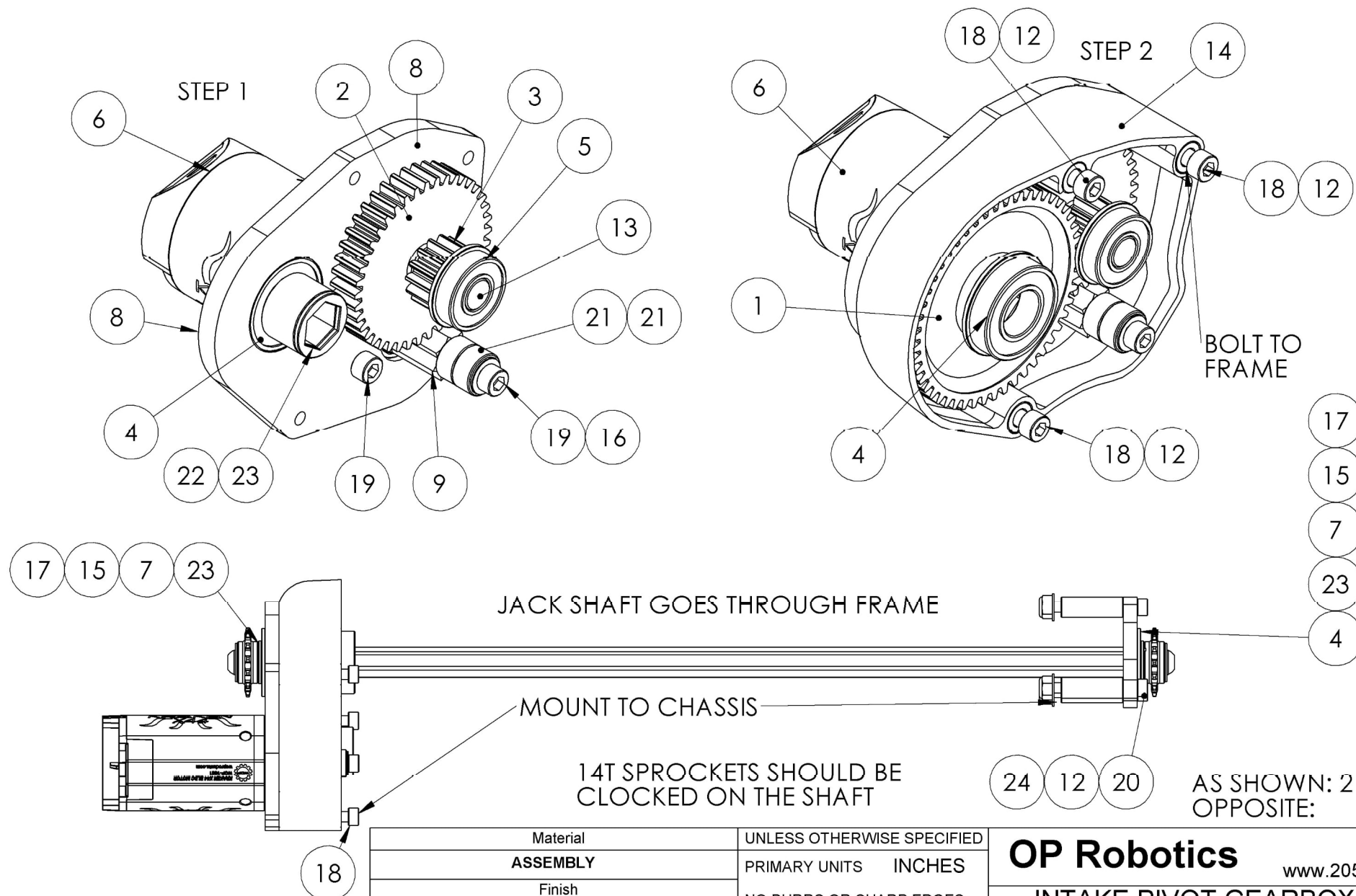
OPR26-A34

PRINTED ON 2026-01-30

SCALE: 1:2.5

SHEET 1 OF 2

BILL OF MATERIALS ON FIRST PAGE



Material		UNLESS OTHERWISE SPECIFIED	
ASSEMBLY		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
2.106	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-A34.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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INTAKE PIVOT GEARBOX

DWG. NO.

OPR26-A34

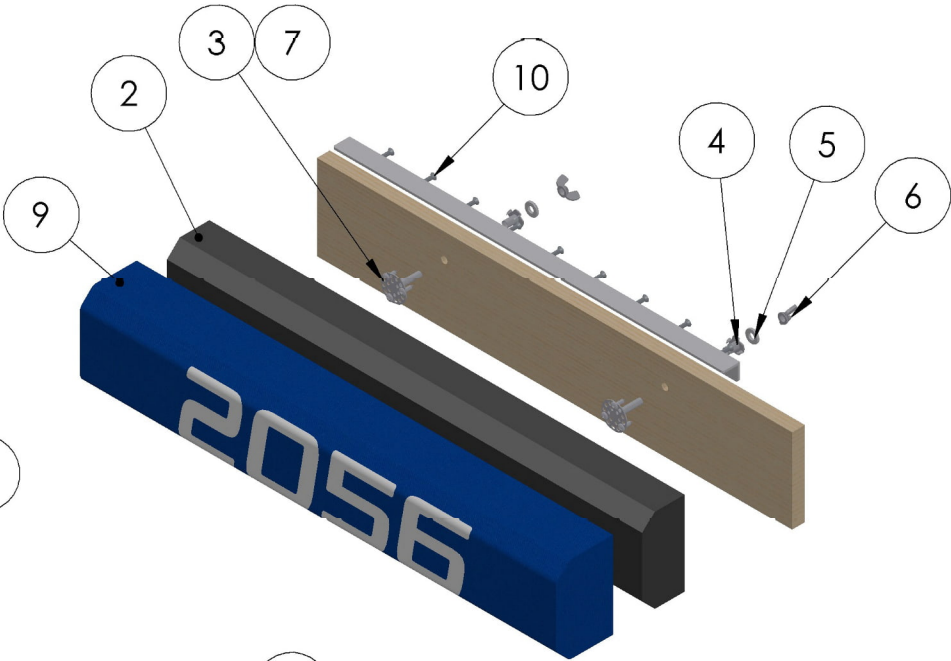
PRINTED ON 2026-01-30

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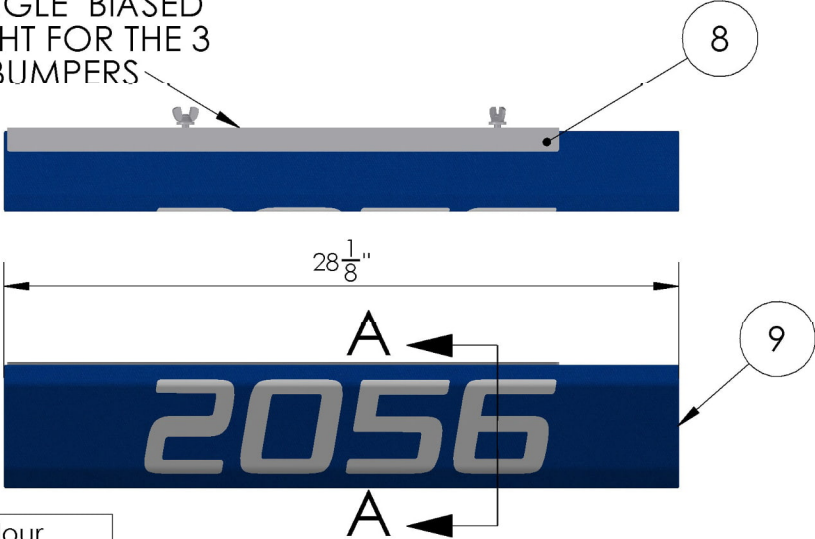
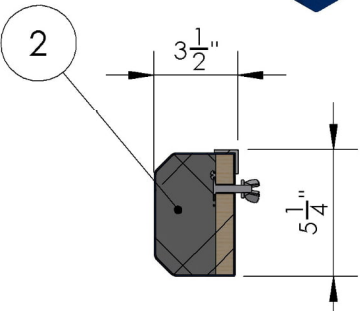
SHEET 2 OF 2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P800	Side Bumper Backing	1
2	OPR26-P801	Side Bumper Foam (WCP-2498)	1
3	97590A440	Adhesive-Mount Studs Zinc-Plated Steel, 5/16"-18 Thread, 1-1/2" Long	2
4	90975A036	Steel Tee Nut Inserts Zinc-Plated, 5/16"-18 Thread Size, 0.688" Installed Length	2
5	92510A586	5/16 ID x 1/8" Aluminum Spacer	2
6	90866A030	Zinc-Plated Steel Wing Nut 5/16"-18 Thread Size, 9/16" Base Diameter	2
7	91070A258	Rounded Head Screws for Plywood and OSB	6
8	OPR26-P802	Bumper Reinforcing Channel	1
9	OPR26-P803	Side Bumper Fabric	1
10	90610A245	Zinc-Plated Steel Screw for Wood Flat Square Drive, NO 10 Size, 3/4" Length	9

PROCESS:	BUMPER
----------	--------



MOUNT ANGLE BIASED TO THE RIGHT FOR THE 3 OPPOSITE BUMPERS



SECTION A-A AS SHOWN: 3
OPPOSITE: 3

Qty	Colour
1 AS SHOWN, 1 OPPOSITE	BLUE
1 AS SHOWN, 1 OPPOSITE	RED
1 AS SHOWN, 1 OPPOSITE	ANY FOR PRAC

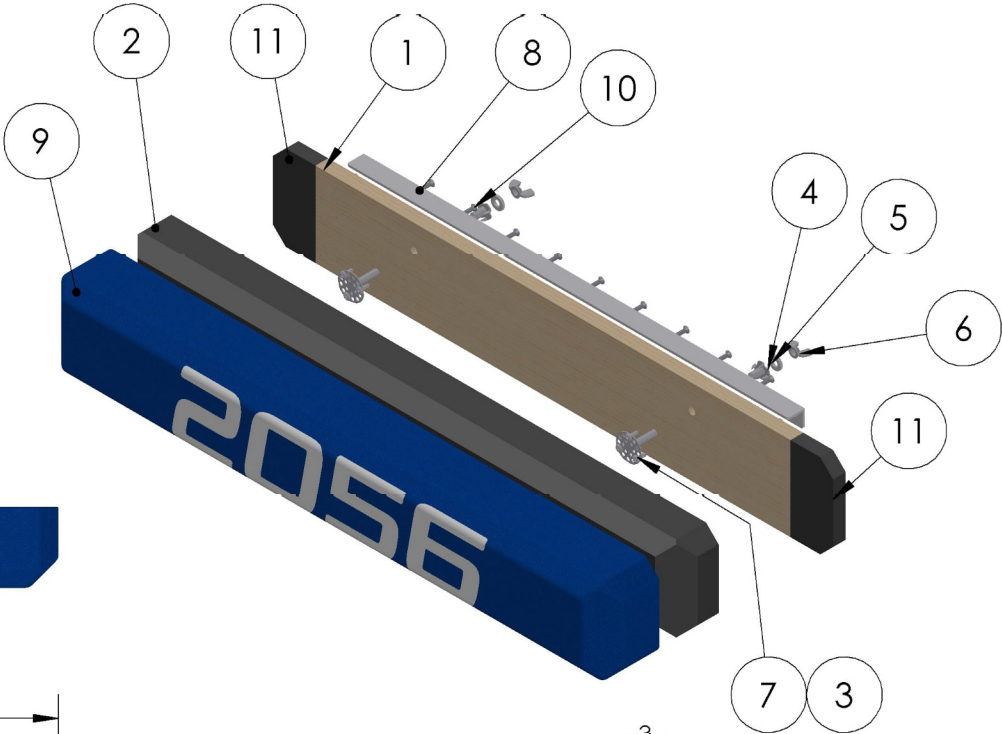
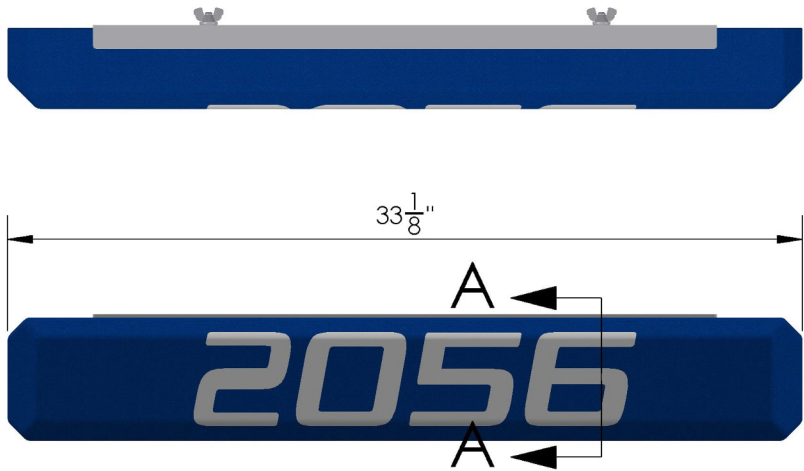
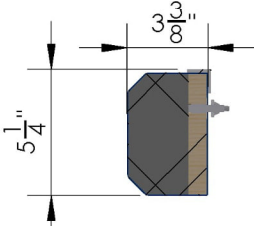
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N/A		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
N/A		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
4.503	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-A80.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics			www.2056.ca
SIDE BUMPER			
DWG. NO. OPR26-A80			
PRINTED ON 2026-01-30	SCALE: 1:8	SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P810	Front Bumper Backing	1
2	OPR26-P811	Long Bumper Foam (WCP-2498)	1
3	97590A440	Adhesive-Mount Studs Zinc-Plated Steel, 5/16"-18 Thread, 1-1/2" Long	2
4	90975A036	Steel Tee Nut Inserts Zinc-Plated, 5/16"-18 Thread Size, 0.688" Installed Length	2
5	92510A586	5/16 ID x 1/8" Aluminum Spacer	2
6	90866A030	Zinc-Plated Steel Wing Nut 5/16"-18 Thread Size, 9/16" Base Diameter	2
7	91070A258	Rounded Head Screws for Plywood and OSB	6
8	OPR26-P812	Bumper Reinforcing Channel	1
9	OPR26-P813	Front Bumper Fabric	1
10	90610A245	Zinc-Plated Steel Screw for Wood Flat Square Drive, NO 10 Size, 3/4" Length	11
11	OPR26-P814	Corner Bumper Foam	2

PROCESS:	BUMPER
----------	--------



SECTION A-A AS SHOWN: 3 OPPOSITE:

Qty	Colour
1	BLUE
1	RED
1	ANY FOR PRACTICE



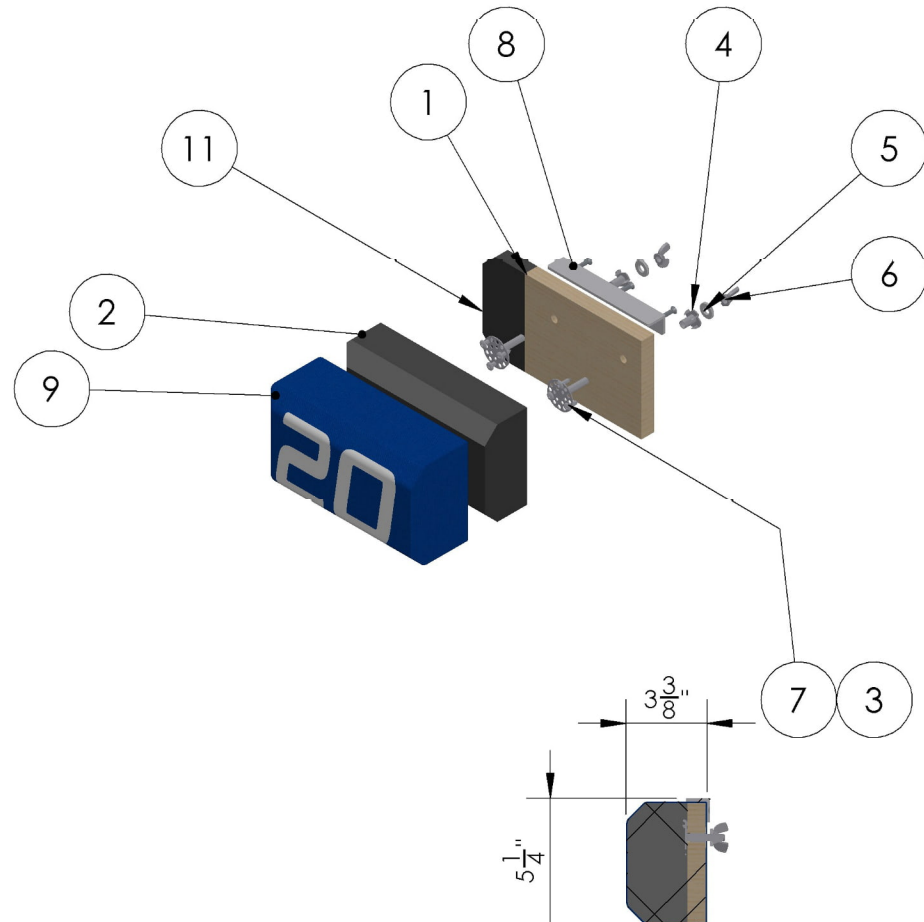
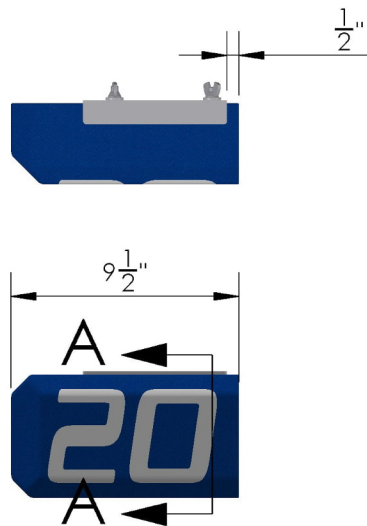
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ASSEMBLY		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
4.834	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-A81.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics www.2056.ca		
BACK BUMPER		
DWG. NO. OPR26-A81		
PRINTED ON 2026-01-27	SCALE: 1:8	SHEET 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	OPR26-P820	Front Bumper Backing	1
2	OPR26-P821	Long Bumper Foam (WCP-2498)	1
3	97590A440	Adhesive-Mount Studs Zinc-Plated Steel, 5/16"-18 Thread, 1-1/2" Long	2
4	90975A036	Steel Tee Nut Inserts Zinc-Plated, 5/16"-18 Thread Size, 0.688" Installed Length	2
5	92510A586	5/16 ID x 1/8" Aluminum Spacer	2
6	90866A030	Zinc-Plated Steel Wing Nut 5/16"-18 Thread Size, 9/16" Base Diameter	2
7	91070A258	Rounded Head Screws for Plywood and OSB	6
8	OPR26-P822	Bumper Reinforcing Channel	1
9	OPR26-P823	Front Bumper Fabric 20	1
10	90610A245	Zinc-Plated Steel Screw for Wood Flat Square Drive, NO 10 Size, 3/4" Length	3
11	OPR26-P814	Corner Bumper Foam	1

PROCESS:

BUMPER



SECTION A-A AS SHOWN: 3
OPPOSITE:

Qty	Colour
1	BLUE
1	RED
1	ANY FOR PRACTICE

Material		UNLESS OTHERWISE SPECIFIED	
ASSEMBLY		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
1.469	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-A82.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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FRONT BUMPER

DWG. NO.

OPR26-A82

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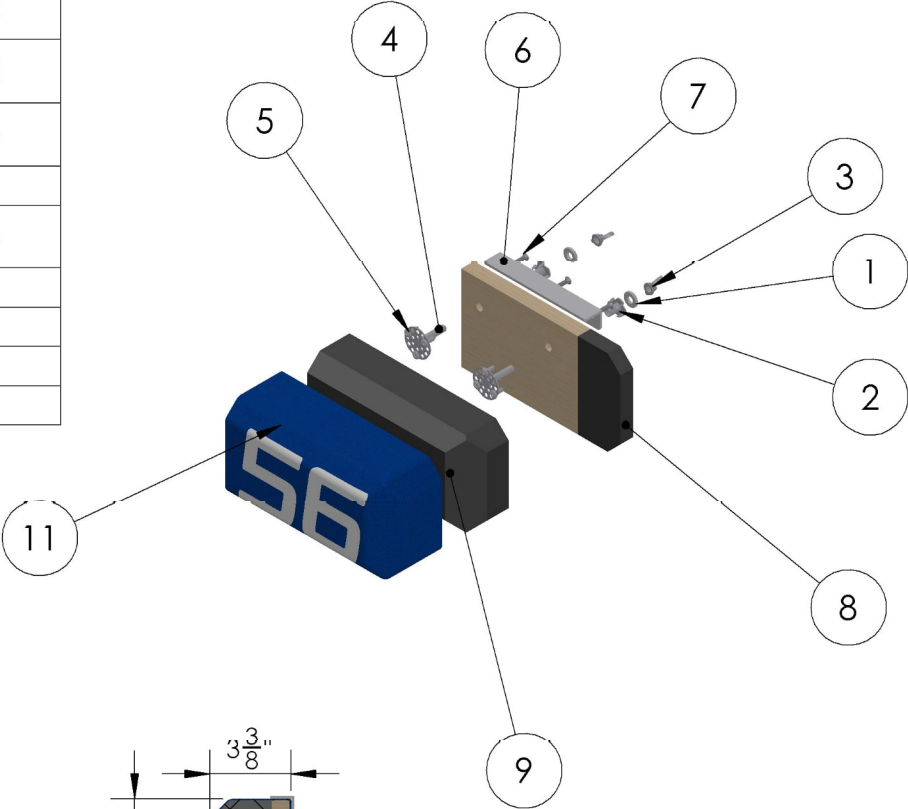
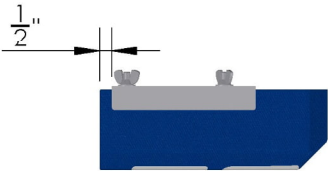
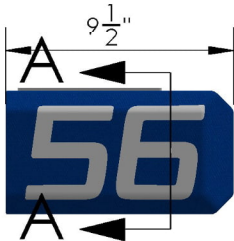
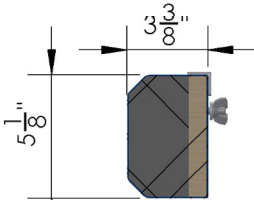
SCALE: 1:8

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	92510A586	5/16 ID x 1/8" Aluminum Spacer	2
2	90975A036	Steel Tee Nut Inserts Zinc-Plated, 5/16"-18 Thread Size, 0.688" Installed Length	2
3	90866A030	Zinc-Plated Steel Wing Nut 5/16"-18 Thread Size, 9/16" Base Diameter	2
4	97590A440	Adhesive-Mount Studs Zinc-Plated Steel, 5/16"-18 Thread, 1-1/2" Long	2
5	91070A258	Rounded Head Screws for Plywood and OSB	6
6	OPR26-P822	Bumper Reinforcing Channel	1
7	90610A245	Zinc-Plated Steel Screw for Wood Flat Square Drive, NO 10 Size, 3/4" Length	3
8	OPR26-P814	Corner Bumper Foam	1
9	OPR26-P821	Long Bumper Foam (WCP-2498)	1
10	OPR26-P820	Front Bumper Backing	1
11	OPR26-P824	Front Bumper Fabric	1

PROCESS:	BUMPER
----------	--------



SECTION A-A

AS SHOWN: 3
OPPOSITE:

QTY	COLOUR
1	BLUE
1	RED
1	ANY COLOUR

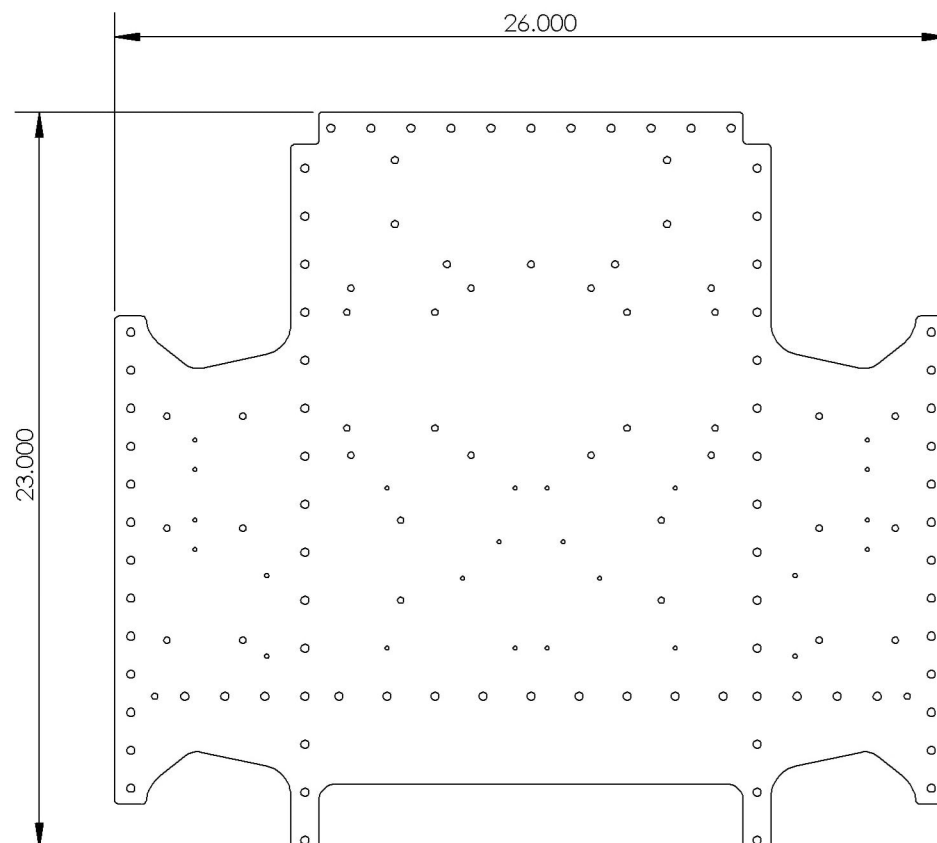
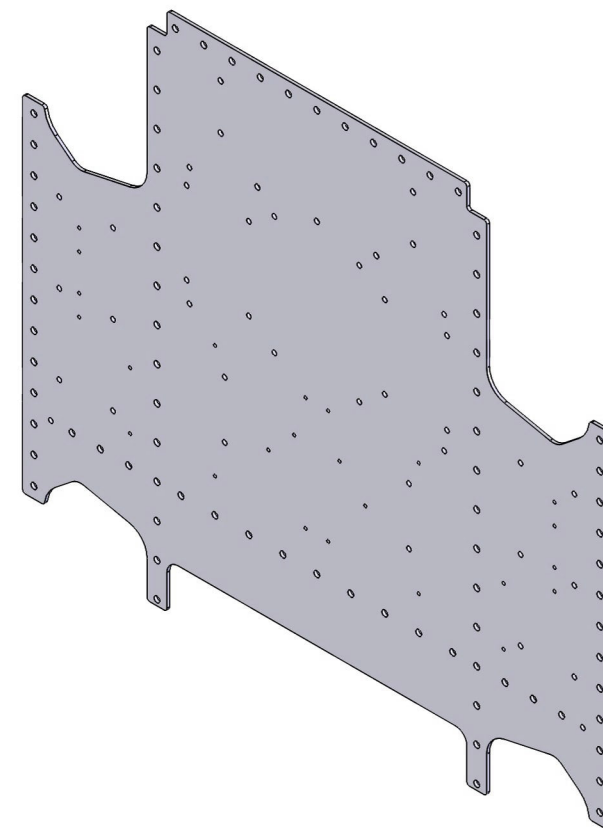
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ASSEMBLY		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
1.469	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-A83.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics www.2056.ca		
FRONT LEFT BUMPER		
DWG. NO. OPR26-A83		
PRINTED ON 2026-01-27	SCALE: 1:8	SHEET 1 OF 1



PROCESS:

Fabworks

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.125 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
5.563	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P001.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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BASEPLATE

DWG. NO.

OPR26-P001

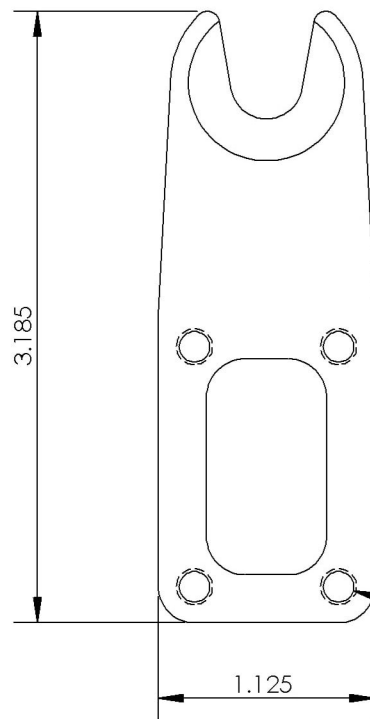
PRINTED ON 2026-01-27

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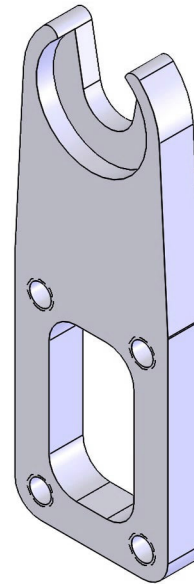
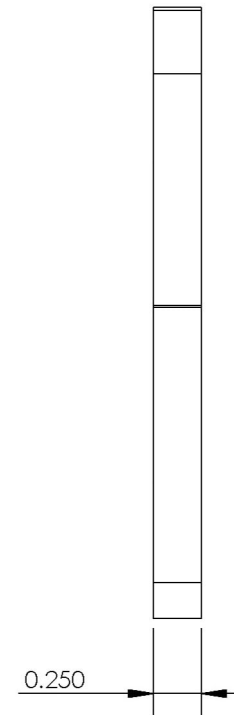
SHEET 1 OF 1

PROCESS:

CNC



4X $\varnothing$.159 THRU
10-32 UNF THRU



AS SHOWN: 16
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.056	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P010.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Front Bumper Mount

DWG. NO.

OPR26-P010

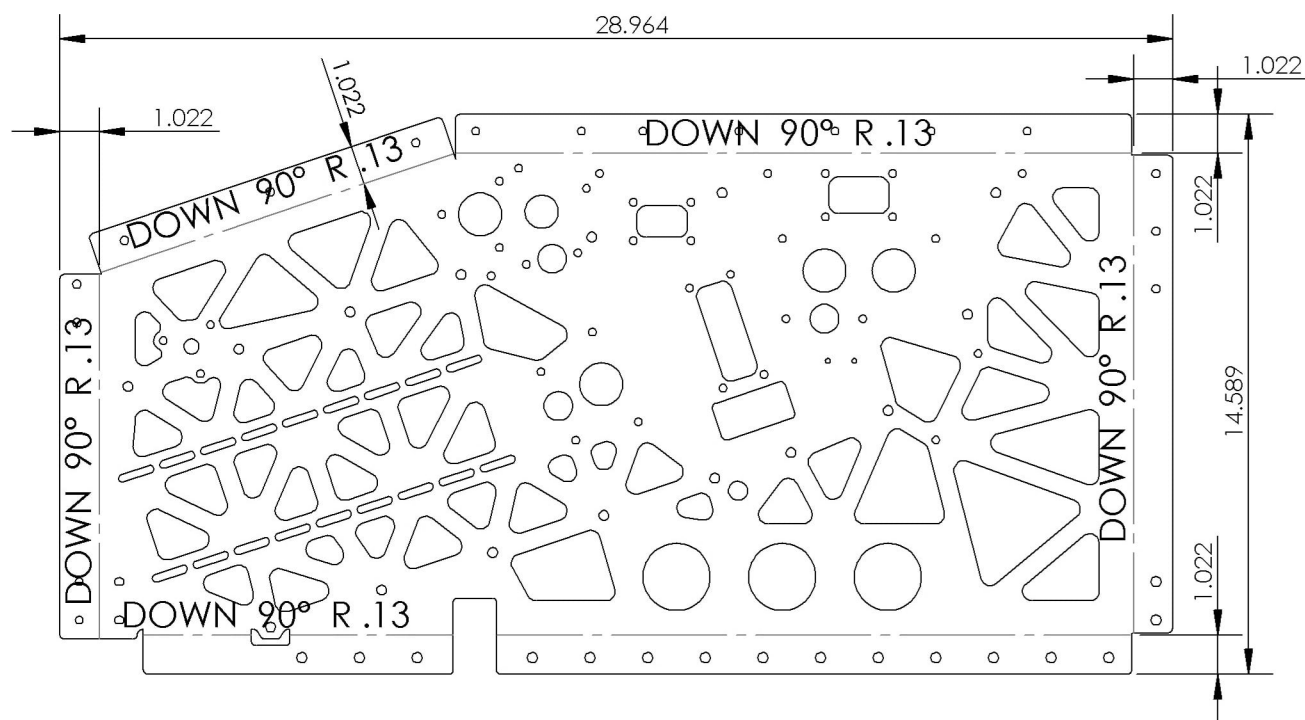
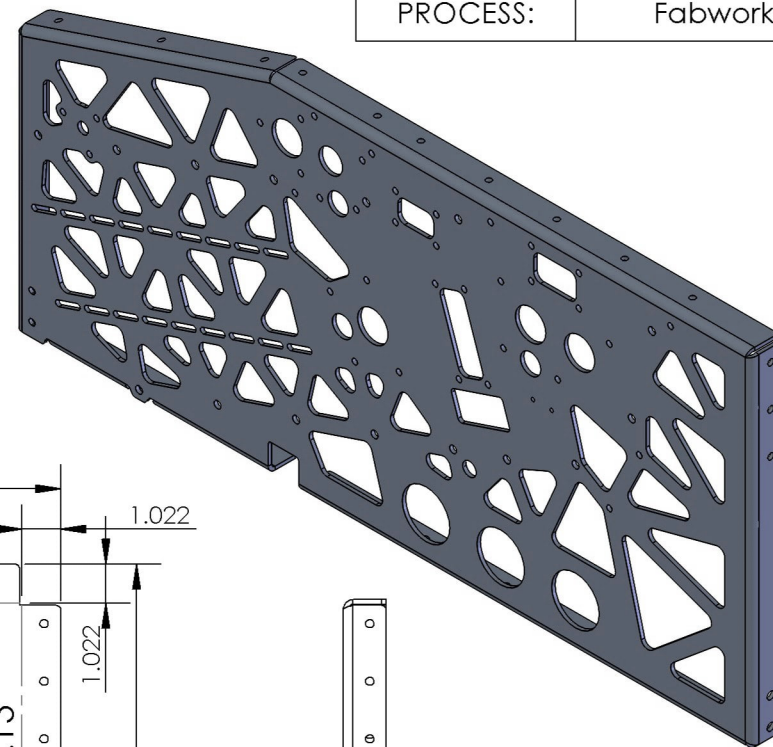
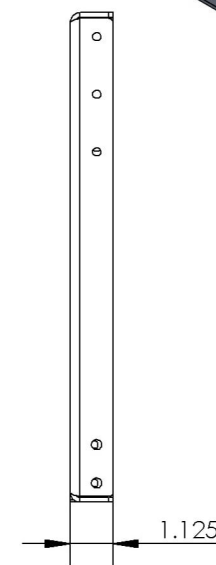
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

Fabworks

AS SHOWN: 2
OPPOSITE: 2

Material		UNLESS OTHERWISE SPECIFIED	
0.125 5052-H32 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
3.612	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P014.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Side Frame

DWG. NO.

OPR26-P014

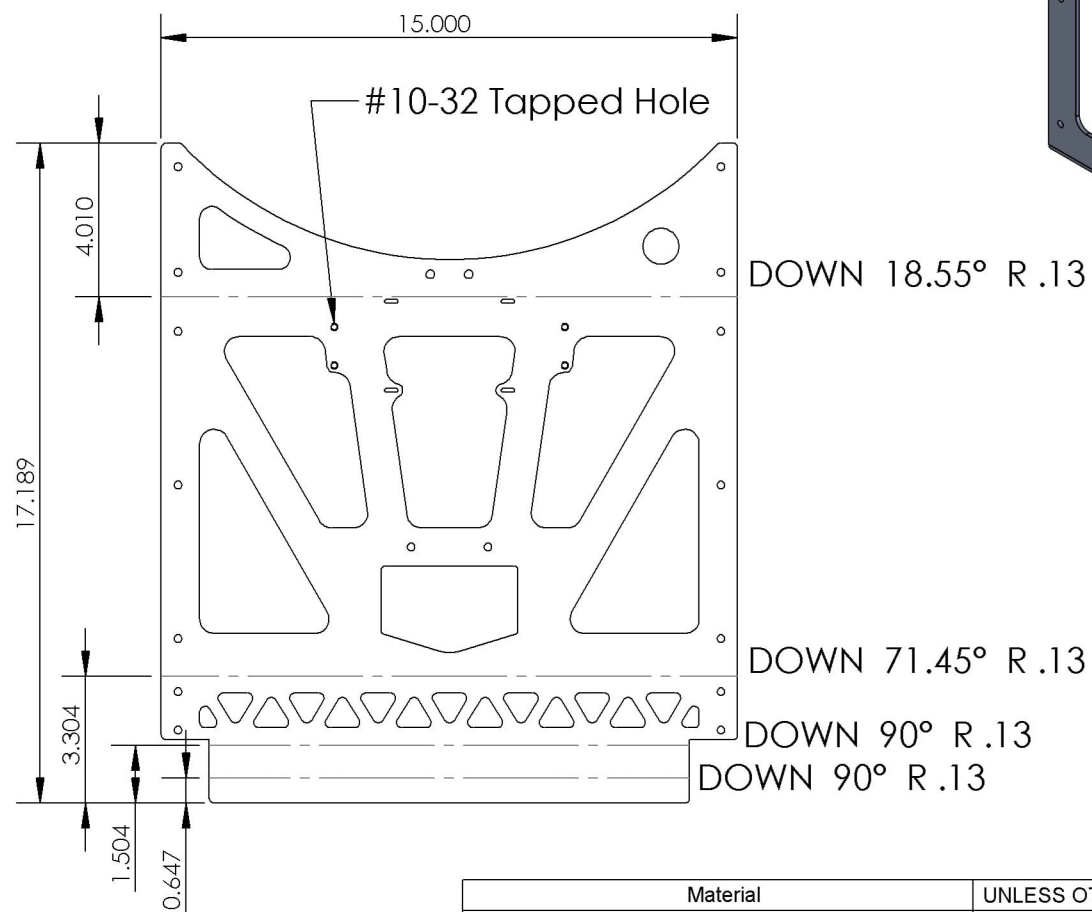
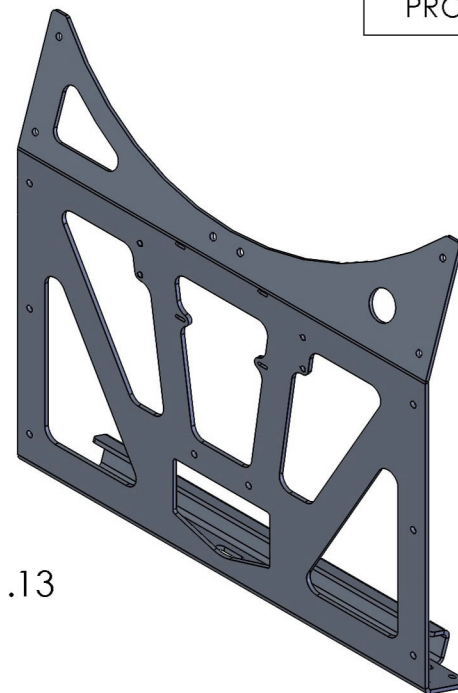
PRINTED ON 2026-01-27

SCALE: 1:5

SHEET 1 OF 1

PROCESS:

Fabworks

AS SHOWN:
OPPOSITE:AS SHOWN:
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.125 5052-H32 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
1.807	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P015.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Front Plate

DWG. NO.

OPR26-P015

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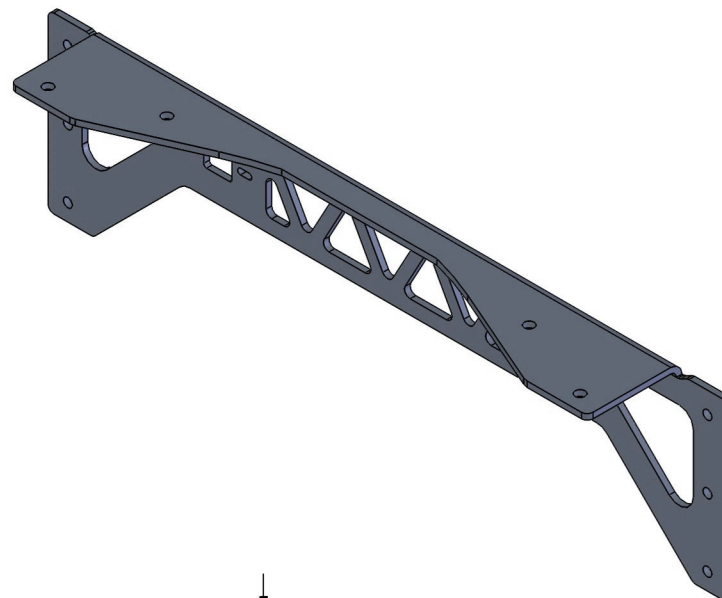
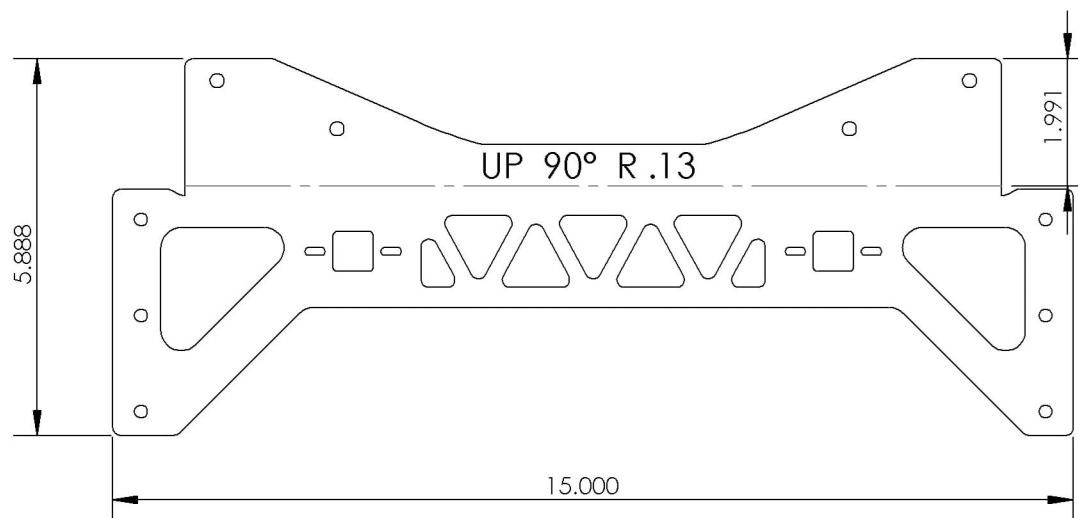
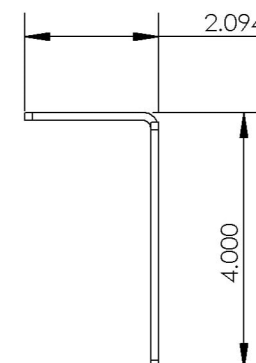
SCALE: 1:5

SHEET 1 OF 1



PROCESS:

Fabworks

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.125 5052-H32 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.505	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P016.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Back Plate

DWG. NO.

OPR26-P016

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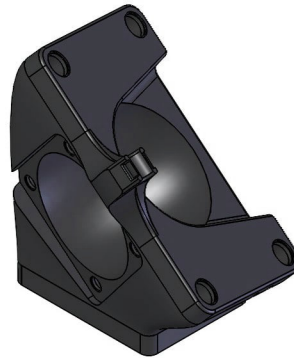
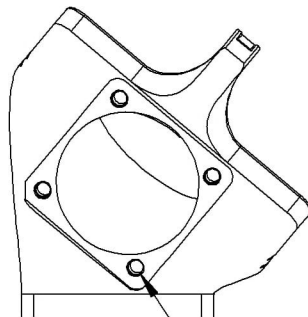
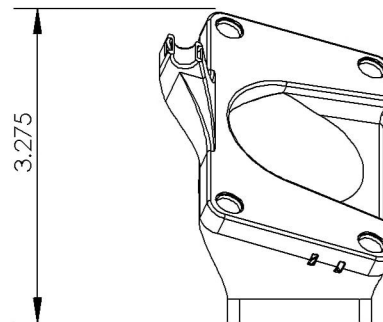
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SHEET 1 OF 1

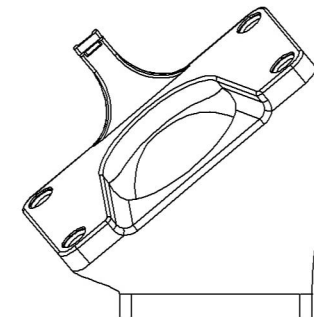
USE EPA-CF STANDARD PROFILE
USE SUPPORTS

PROCESS:

3DP



10-32 HEATSETS



Build Plate

4-40 HEATSETS

AS SHOWN: 2
OPPOSITE: 2



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.133	TH	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P017.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Camera Bracket

DWG. NO.

OPR26-P017

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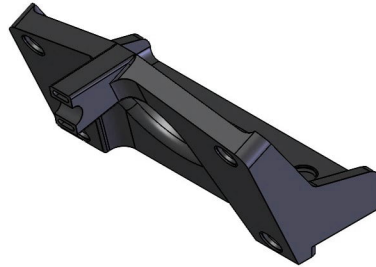
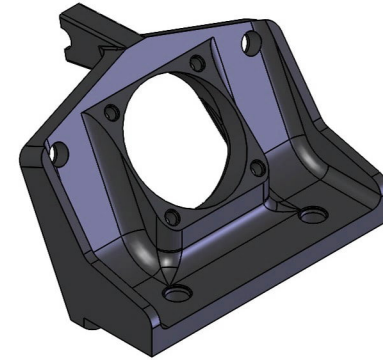
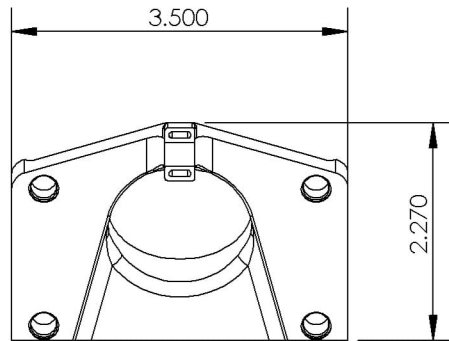
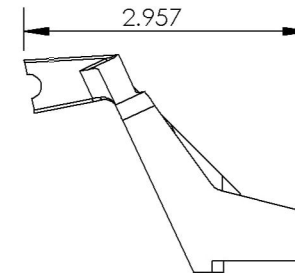
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SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE
ENABLE SUPPORTS

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
Onyx		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.054	BSP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P018.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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LL4 Bracket

DWG. NO.

OPR26-P018

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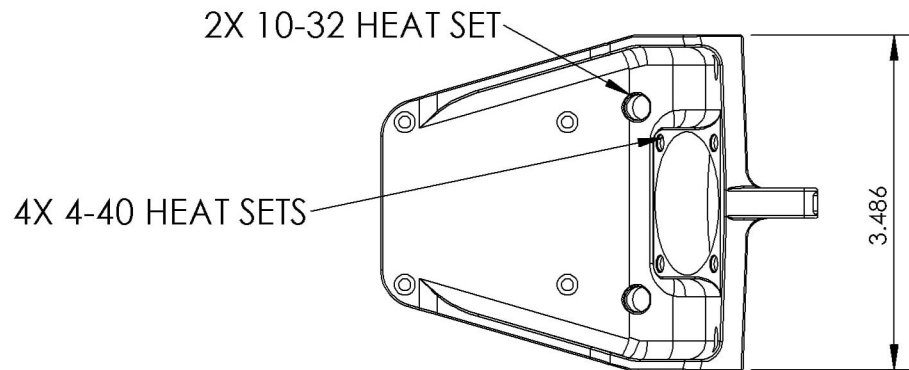
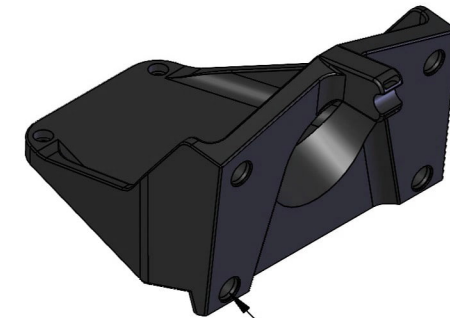
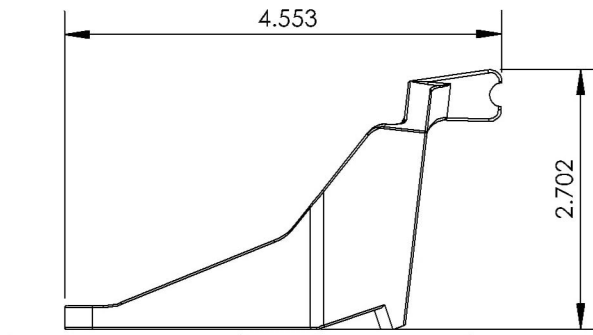
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SHEET 1 OF 1

USE EPA-CF STRONG PROFILE
USE SUPPORTS

PROCESS:

3DP



Build Plate

AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.095	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P018-R2.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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LL4 Bracket

DWG. NO.

OPR26-P018-R2

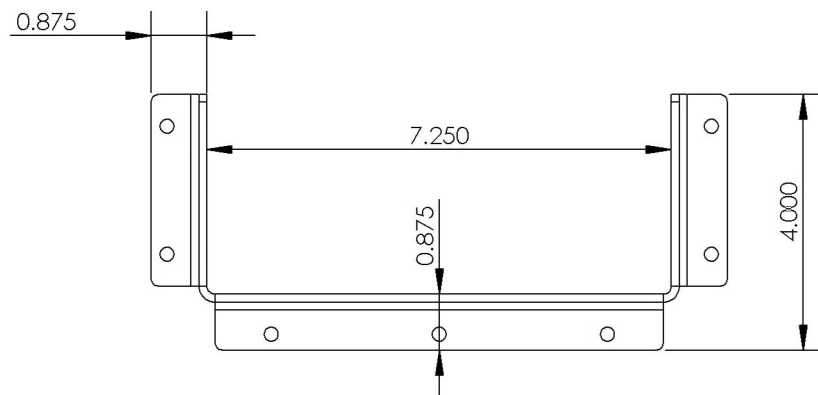
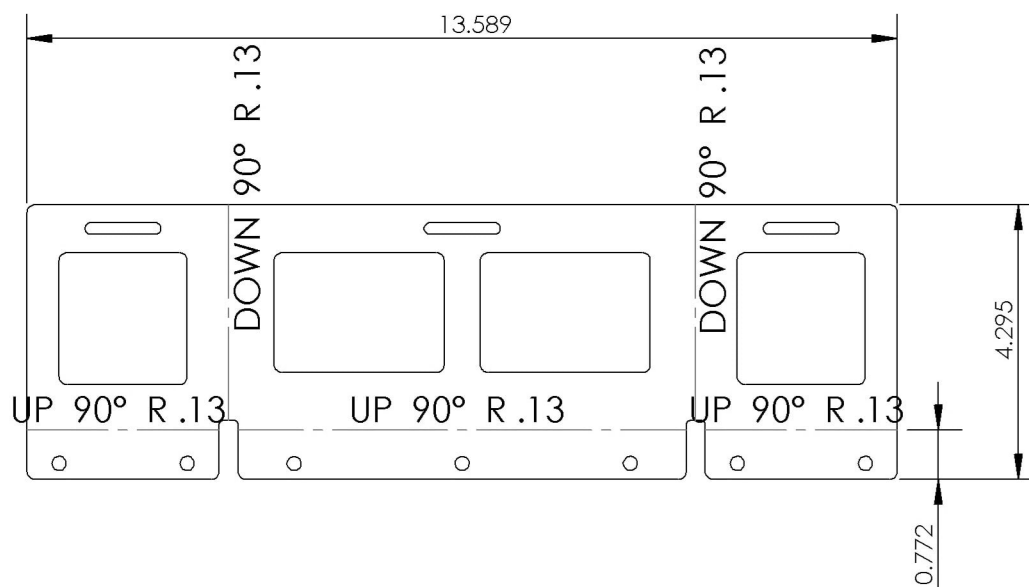
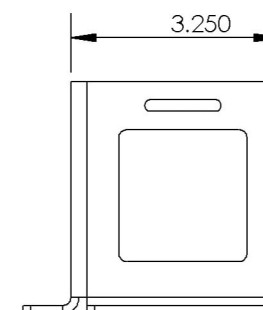
PRINTED ON 09/02/2026

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

FABWORKS

AS SHOWN: 2
OPPOSITE: 0

Material		UNLESS OTHERWISE SPECIFIED	
0.125 5052-H32 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.5	Th	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P019.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Battery Holder

DWG. NO.

OPR26-P019

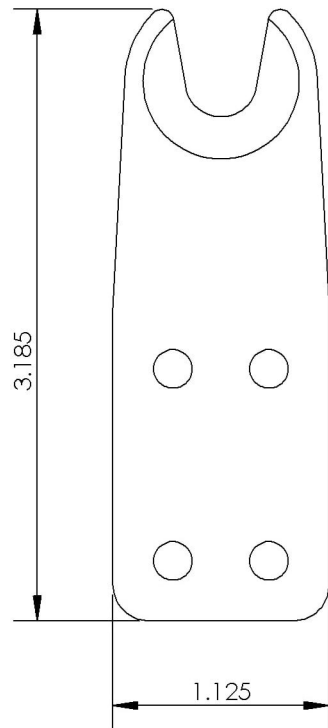
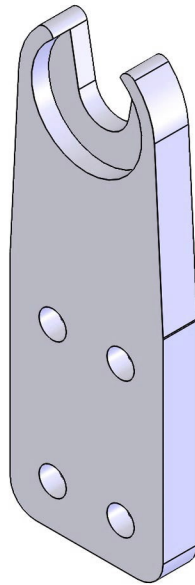
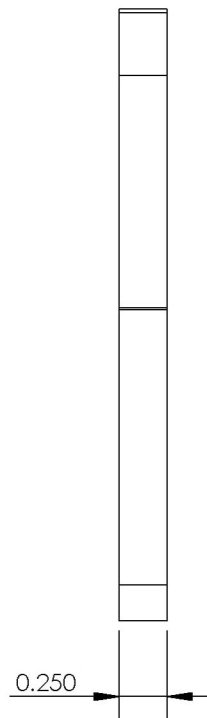
PRINTED ON 2026-01-27

SCALE: 1:3

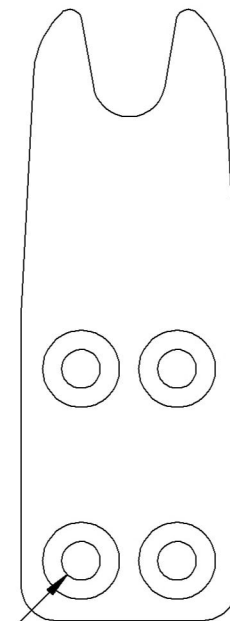
SHEET 1 OF 1

PROCESS:

CNC



4X $\varnothing$.201 THRU
 $\checkmark$ $\varnothing$.400 X 82°



AS SHOWN: 4
 OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.069	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P022.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Front Bumper Mount

DWG. NO.

OPR26-P022

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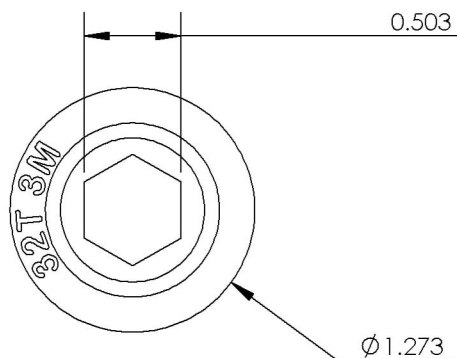
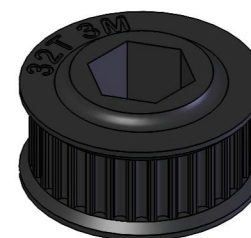
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 3
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.010	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P100.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**32 Teeth Timing Pulley, 3mm
Pitch**

DWG. NO.

OPR26-P100

PRINTED ON 2026-01-27

SCALE: 1:1

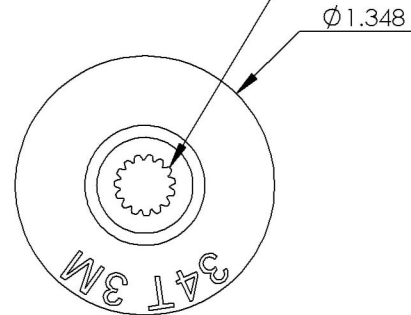
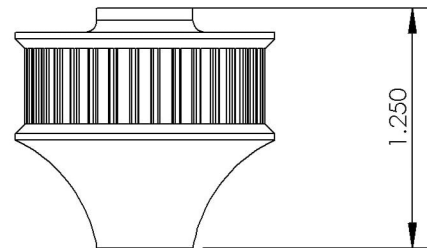
SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP

CHECK FIT ON KRAKEN OUTPUT SHAFT



BUILD PLATE

AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.018		2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P103.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**34 Teeth Timing Pulley, 3mm
Pitch**

DWG. NO.

OPR26-P103

PRINTED ON 2026-01-27

SCALE: 1:1

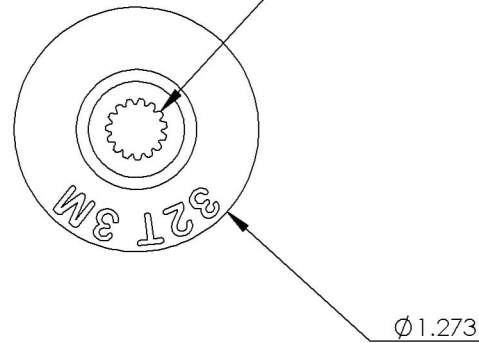
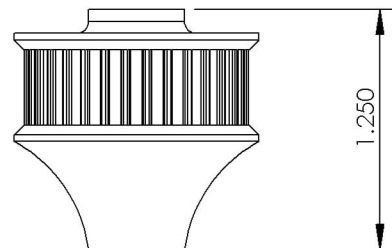
SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP

CHECKFIT ON KRAKEN SHAFT



BUILD PLATE

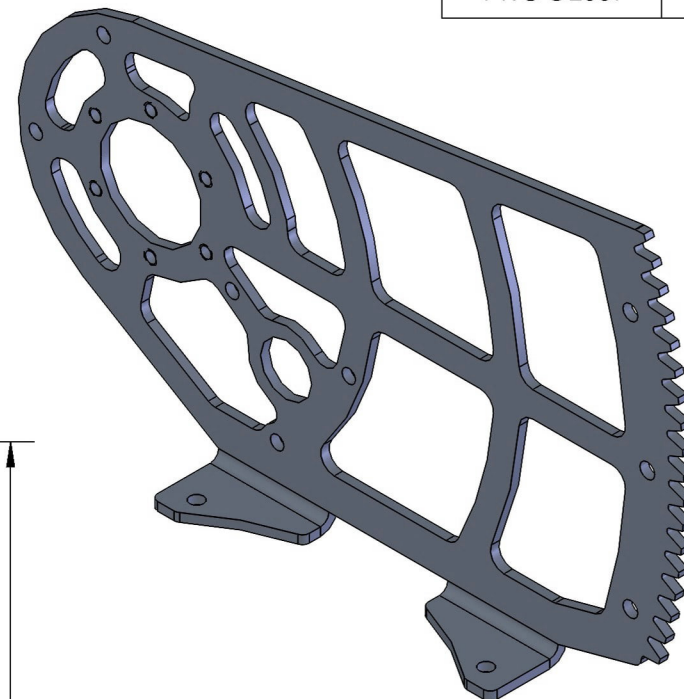
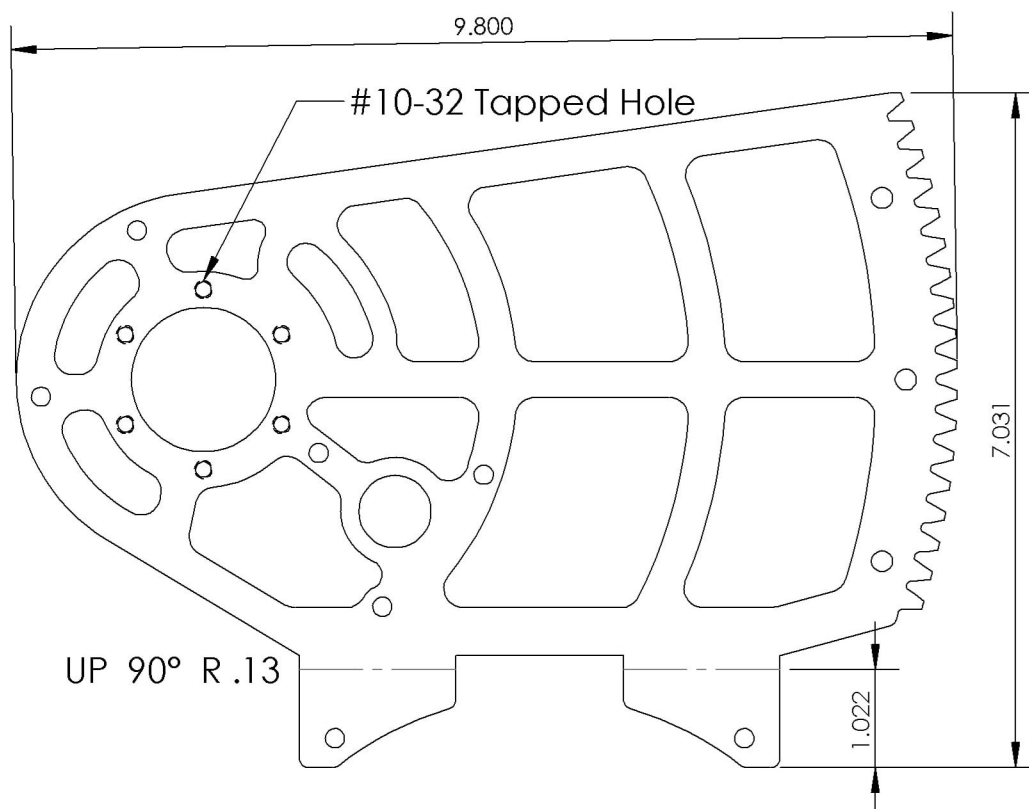
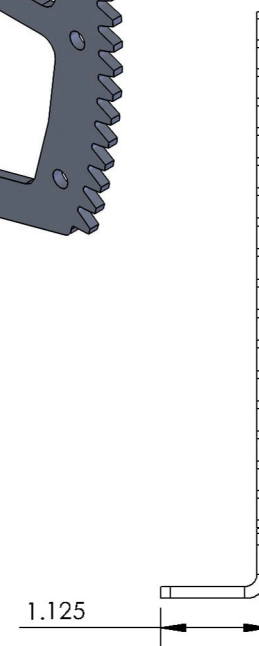
AS SHOWN: 3
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>32 Teeth Timing Pulley, 3mm Pitch</div>	
ESun EPA-CF		PRIMARY UNITS	INCHES		
Finish		NO BURRS OR SHARP EDGES			
NO FINISH		TOLERANCES		<div>DWG. NO.</div> <div>OPR26-P104</div> <div>PRINTED ON 2026-01-27 SCALE: 1:1 SHEET 1 OF 1</div>	
Weight	Drawn By	FRACTIONS	±1/32"		
0.016	BP	2 DECIMAL PLACES	±.010"		
		3 DECIMAL PLACES	±.003"		
		FLAT PATTERNS	±.005"		
Dimensions per OPR26-P104.sldprt or .step		ANGULAR DEGREES	±0.5°		
		BENDS	±0.010"		

PROCESS:

FABWORKS



AS SHOWN: 2
OPPOSITE: 2



Material		UNLESS OTHERWISE SPECIFIED	
0.125 5052-H32 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.303	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P105.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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SHOOTER SIDE PLATE

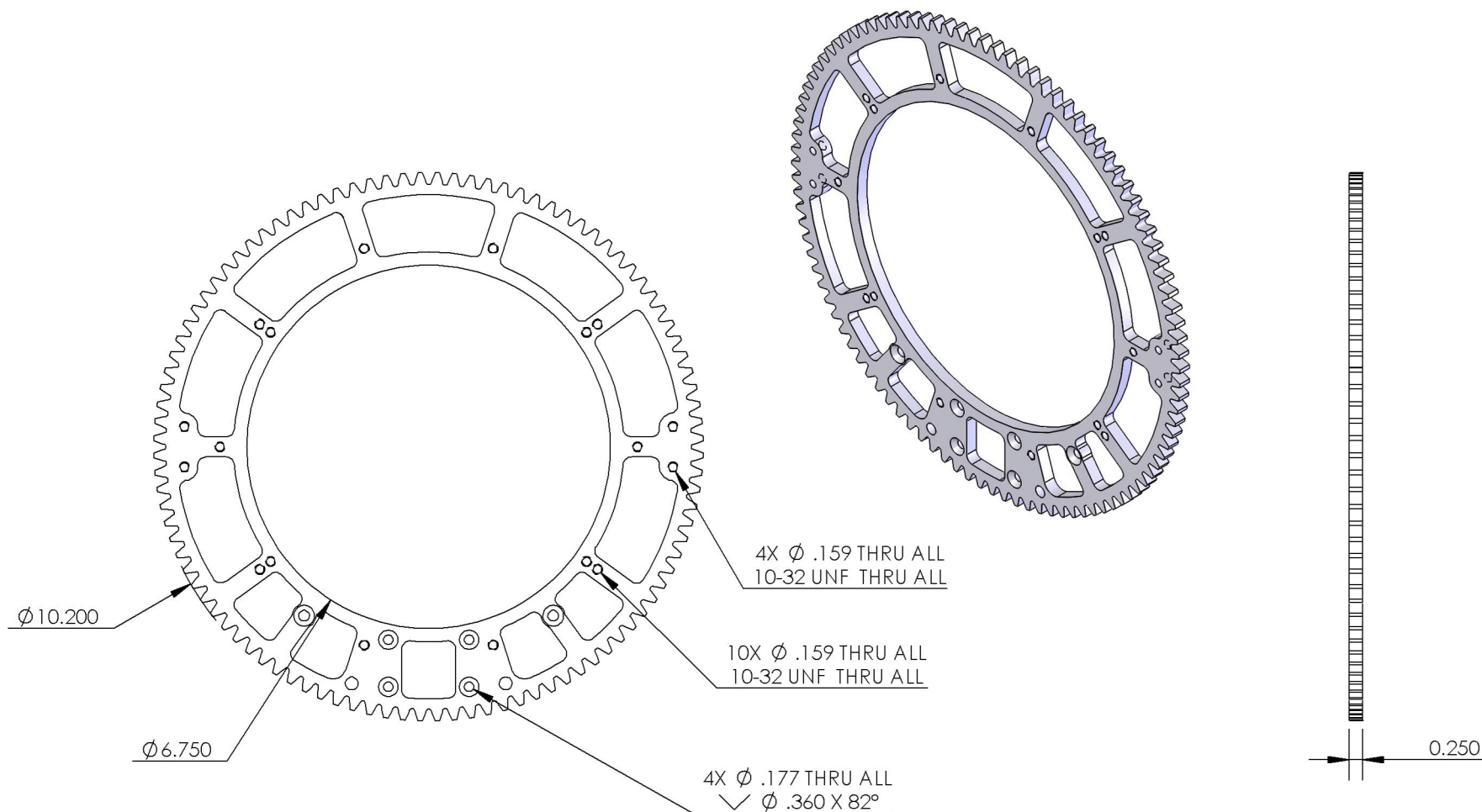
DWG. NO.

OPR26-P105

PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1



AS SHOWN: 2
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.515	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P106.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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TURRET GEAR

DWG. NO.

OPR26-P106

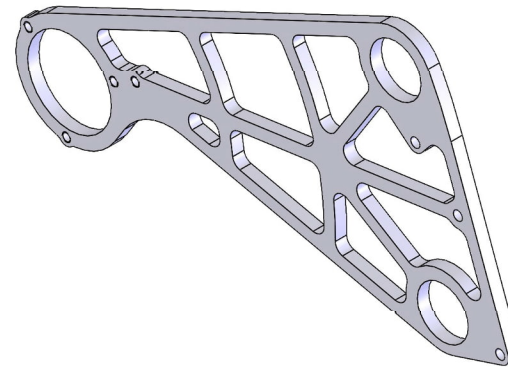
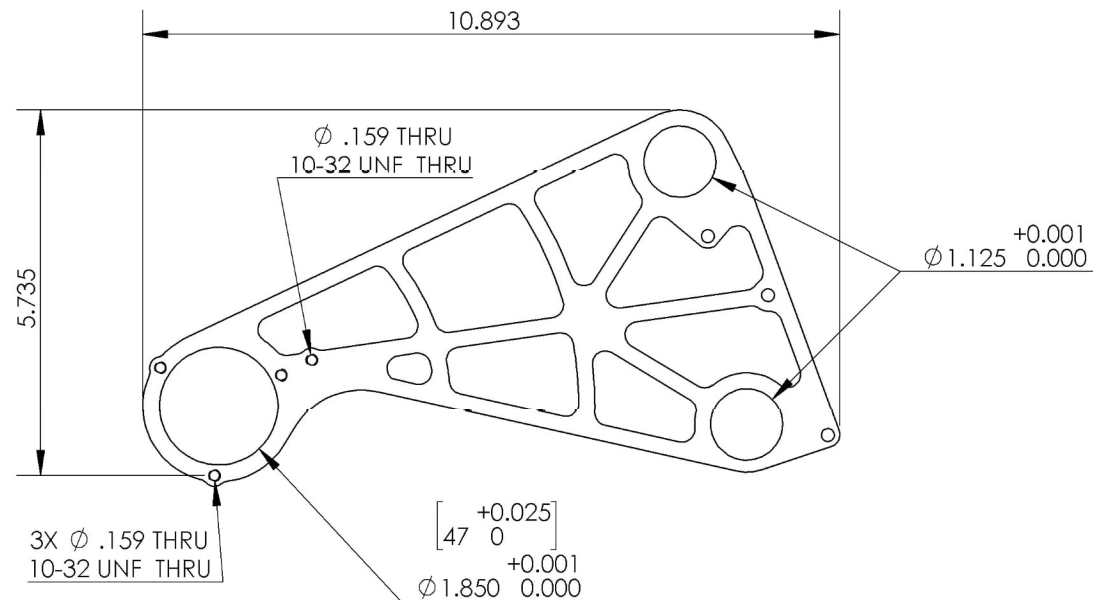
PRINTED ON 2026-01-27

SCALE: 1:3

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 4
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.357	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P107.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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TURRET HOOD SIDE PLATE

DWG. NO.

OPR26-P107

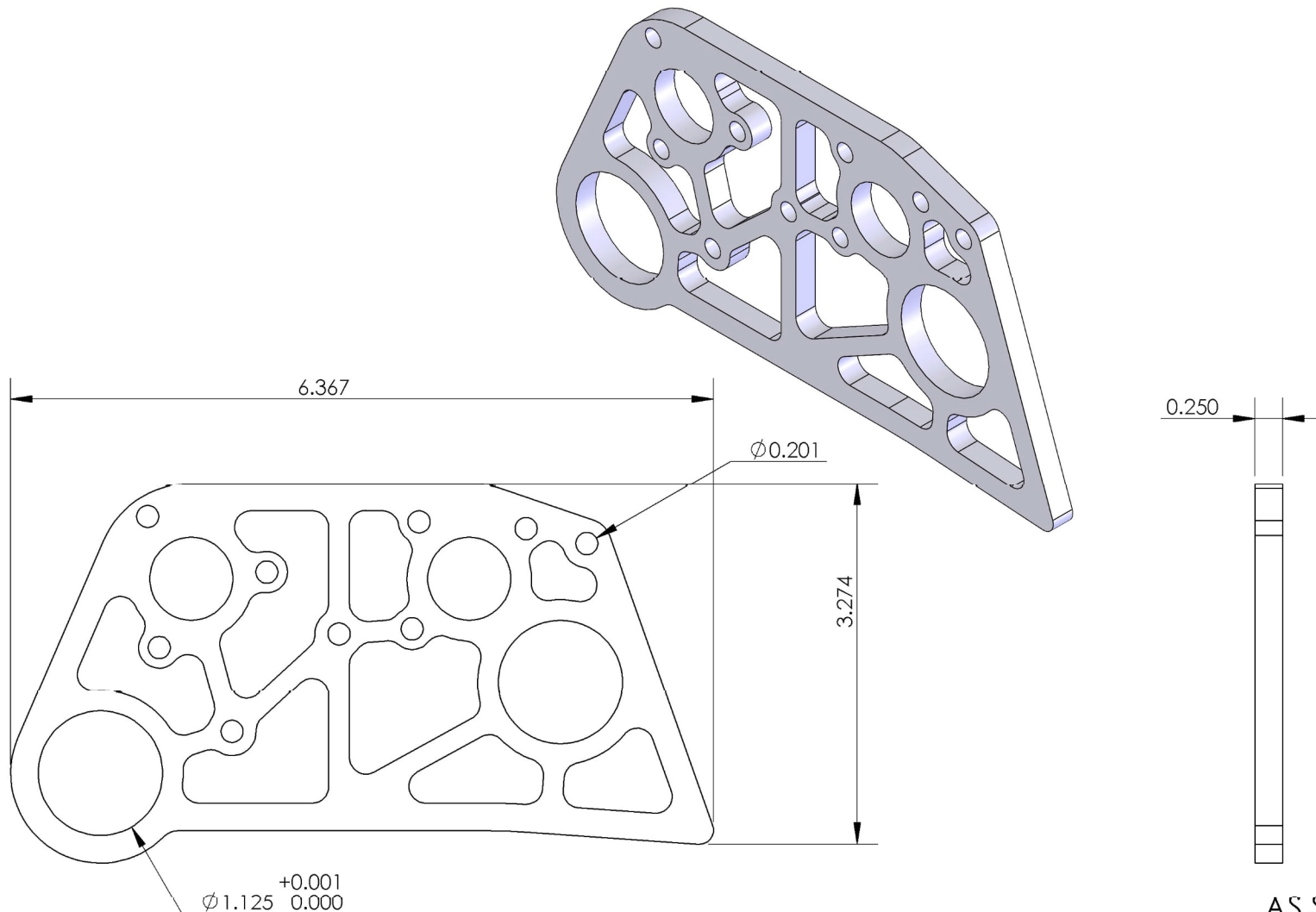
PRINTED ON 2026-01-26

SCALE: 1:3

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.203	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P108.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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DRIVE SIDE KICKER PLATE

DWG. NO.

OPR26-P108

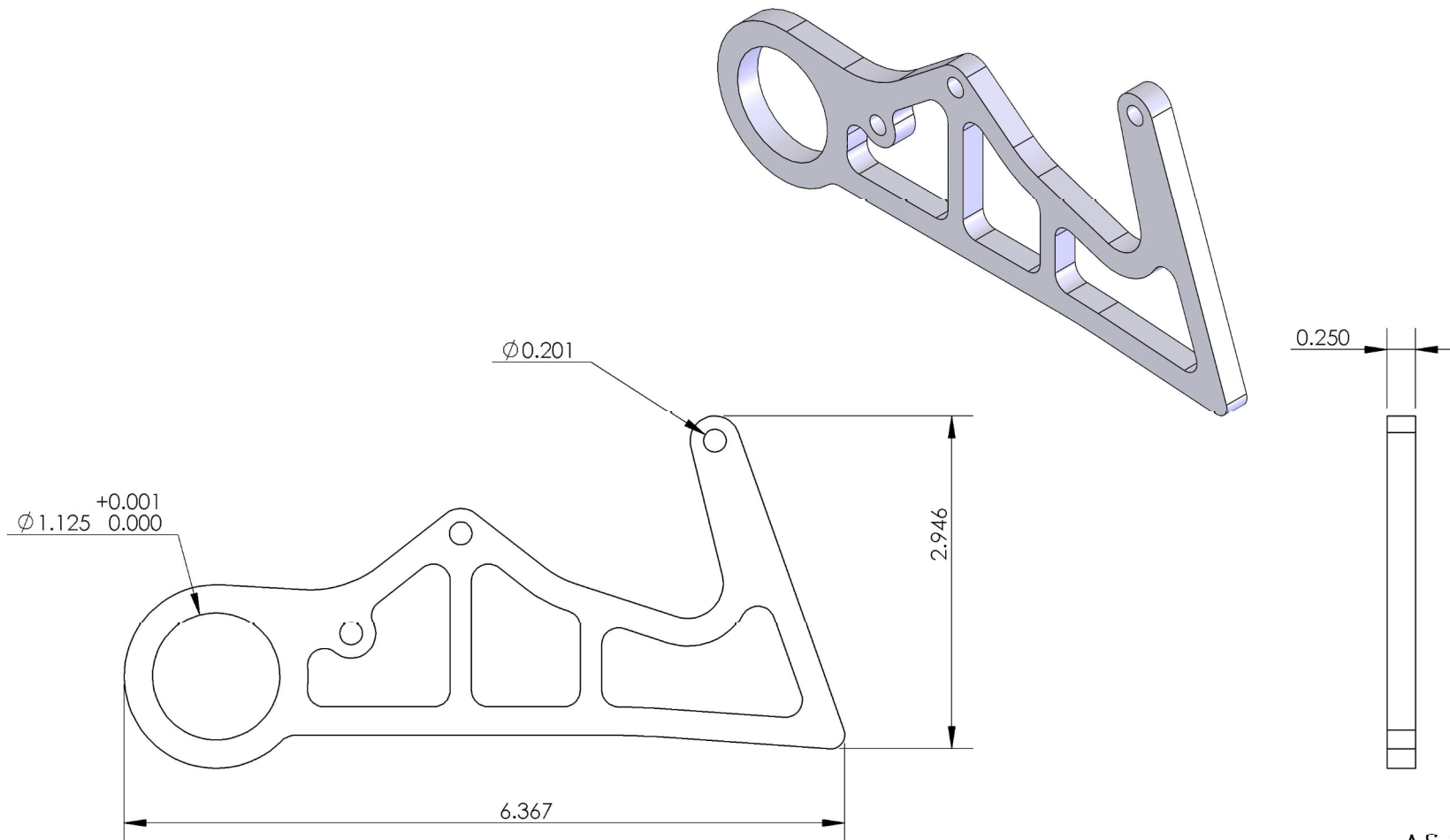
PRINTED ON 2026-01-26

SCALE: 2:3

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.128	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P109.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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KICKER ROLLER SIDE PLATE

DWG. NO.

OPR26-P109

PRINTED ON 2026-01-26

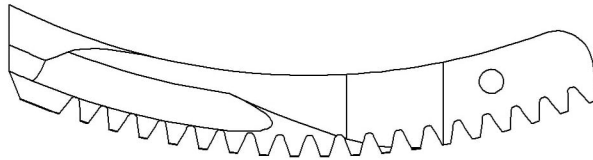
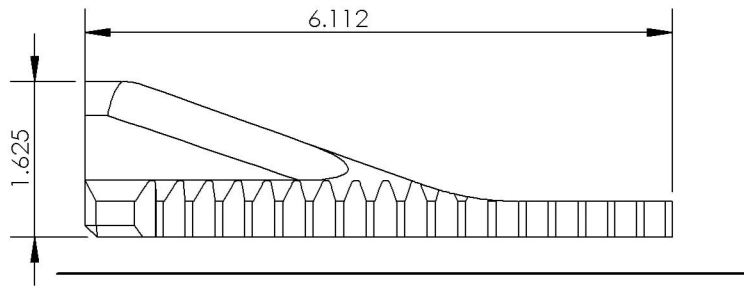
SCALE: 2:3

SHEET 1 OF 1

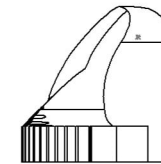
USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE



AS SHOWN: 2
OPPOSITE: 2



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.068	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P110.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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HOOD SECTOR GEAR

DWG. NO.

OPR26-P110

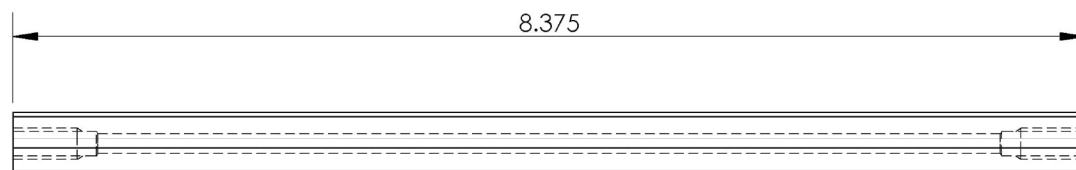
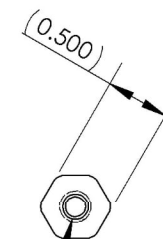
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

LATHE



2X ϕ .201 ∇ .650
 1/4-20 UNC ∇ .500

AS SHOWN: 5
 OPPOSITE:

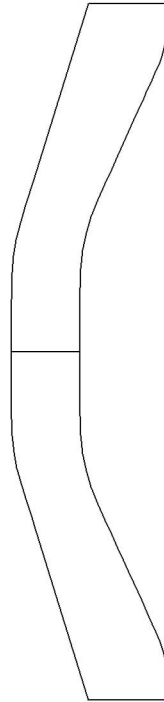


Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
7075-T6 0.500" Rounded Hex 8.375" Long		PRIMARY UNITS INCHES			
Finish		NO BURRS OR SHARP EDGES		HOOD DRIVE SHAFT	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS		DWG. NO.	
0.163	BP	2 DECIMAL PLACES			
Dimensions per OPR26-P111.sldprt or .step		3 DECIMAL PLACES		OPR26-P111	
		FLAT PATTERNS			
		ANGULAR DEGREES			
		BENDS			
		±1/32"			
		±.010"			
		±.003"			
		±.005"			
		±0.5°			
		±0.010"			
				PRINTED ON 2026-01-26	
				SCALE: 2:3	
				SHEET 1 OF 1	

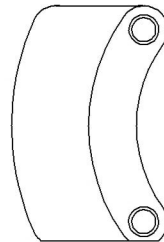
USE EPA-CF STANDARD PROFILE

PROCESS:

Fabricated



4X 10-32 HEATSET



BUILD PLATE

AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.189	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P112.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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SHOOTER BRIDGE

DWG. NO.

OPR26-P112

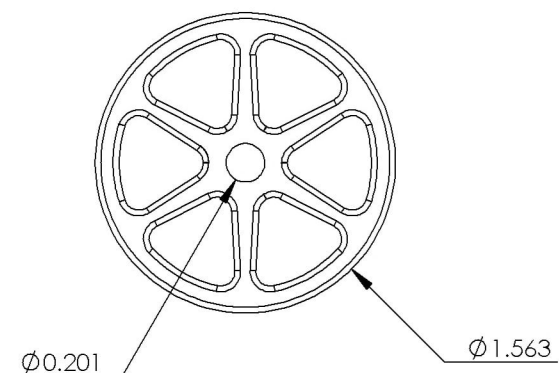
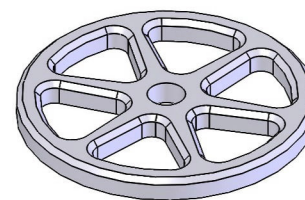
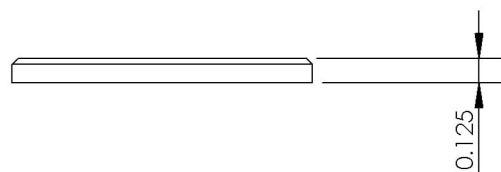
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 5
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
0.125 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.012	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P113.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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FANCY WASHER

DWG. NO.

OPR26-P113

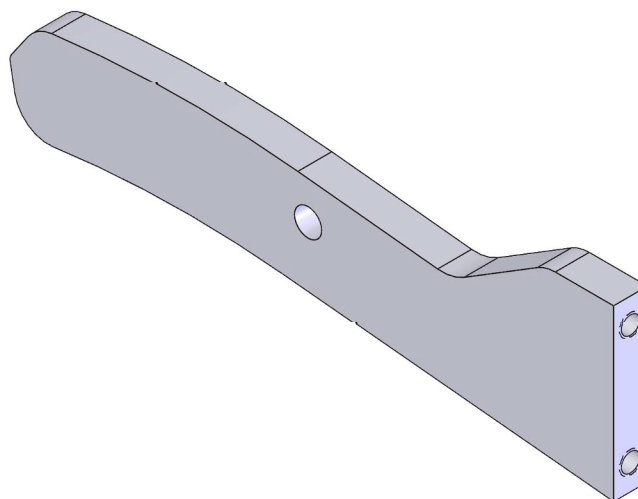
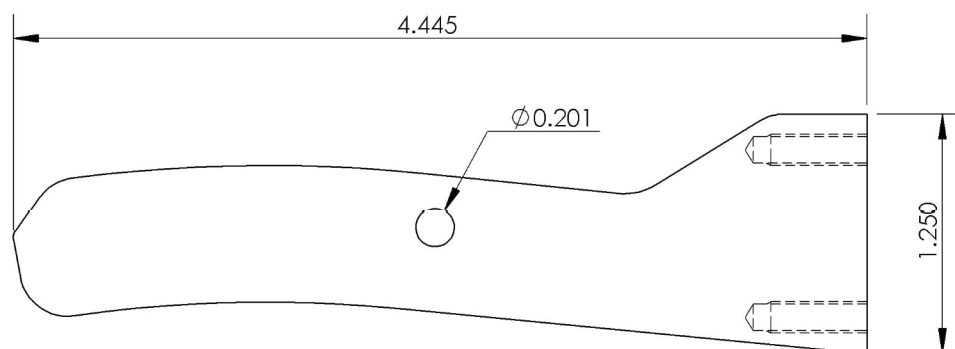
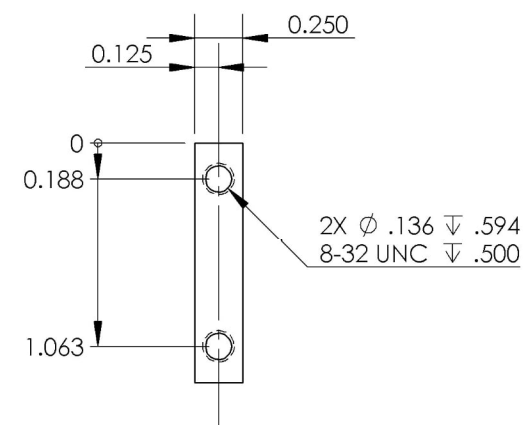
PRINTED ON 2026-01-27

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 4
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32''$
0.084	BP	2 DECIMAL PLACES	$\pm .010''$
Dimensions per OPR26-P116.sldprt or .step		3 DECIMAL PLACES	$\pm .003''$
		FLAT PATTERNS	$\pm .005''$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010''$

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FIXED SHOOTER SKIS

DWG. NO.

OPR26-P116

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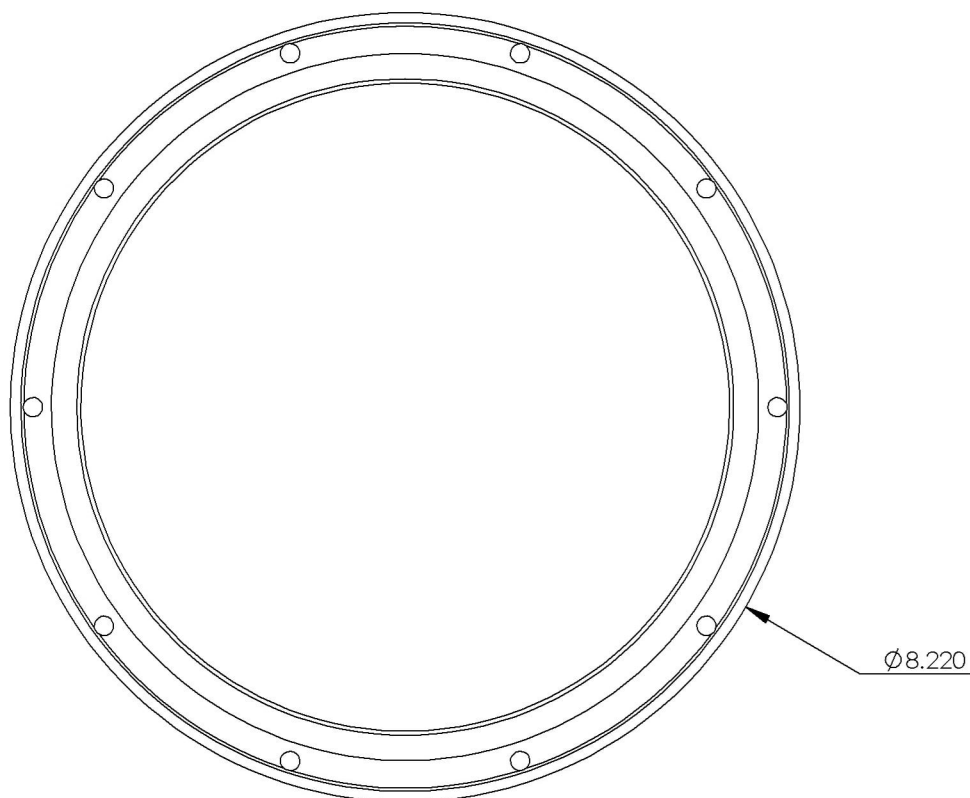
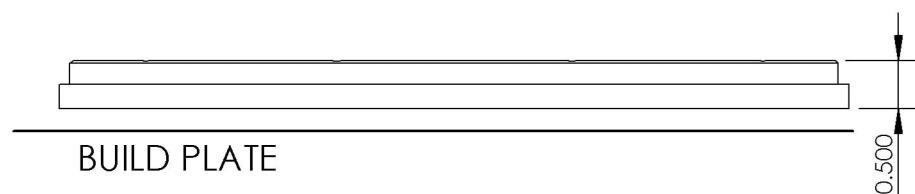
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.125	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P120.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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TURRET BEARING SPACER

DWG. NO.

OPR26-P120

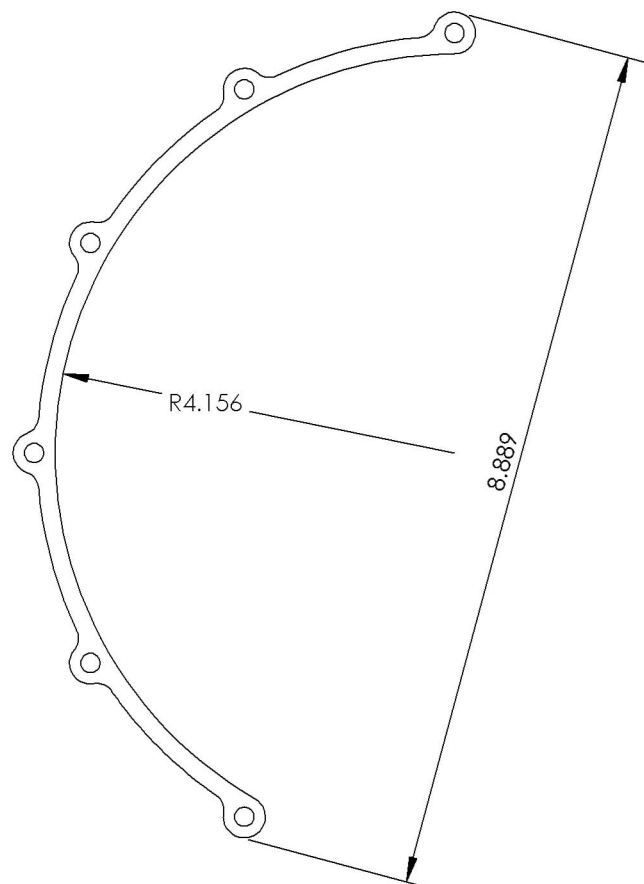
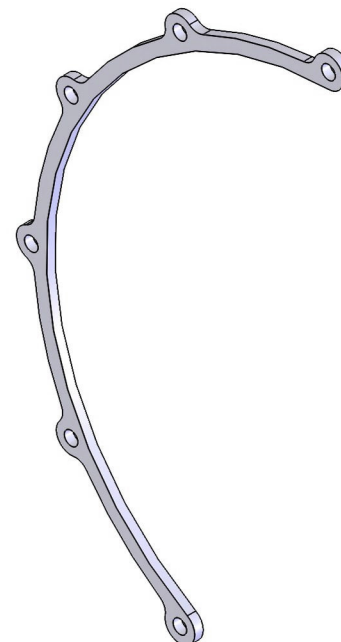
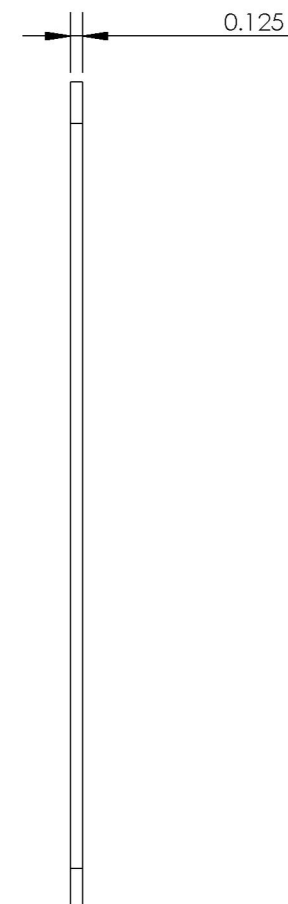
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
0.125 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.031	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P121.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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BEARING RETAINER PLATE

DWG. NO.

OPR26-P121

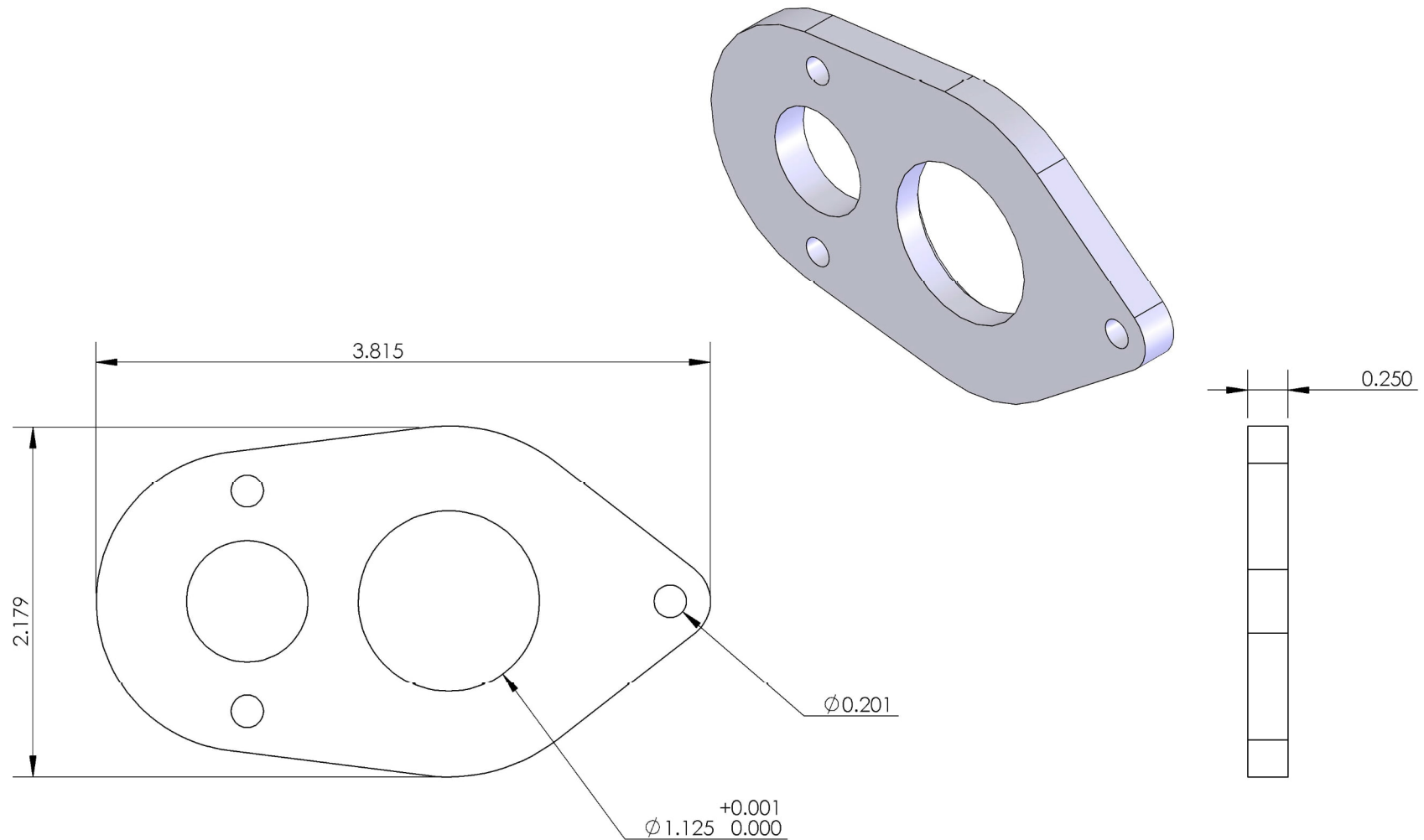
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.113	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P122.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

OP Robotics

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TURRET GEARBOX PLATE

DWG. NO.

OPR26-P122

PRINTED ON 2026-01-26

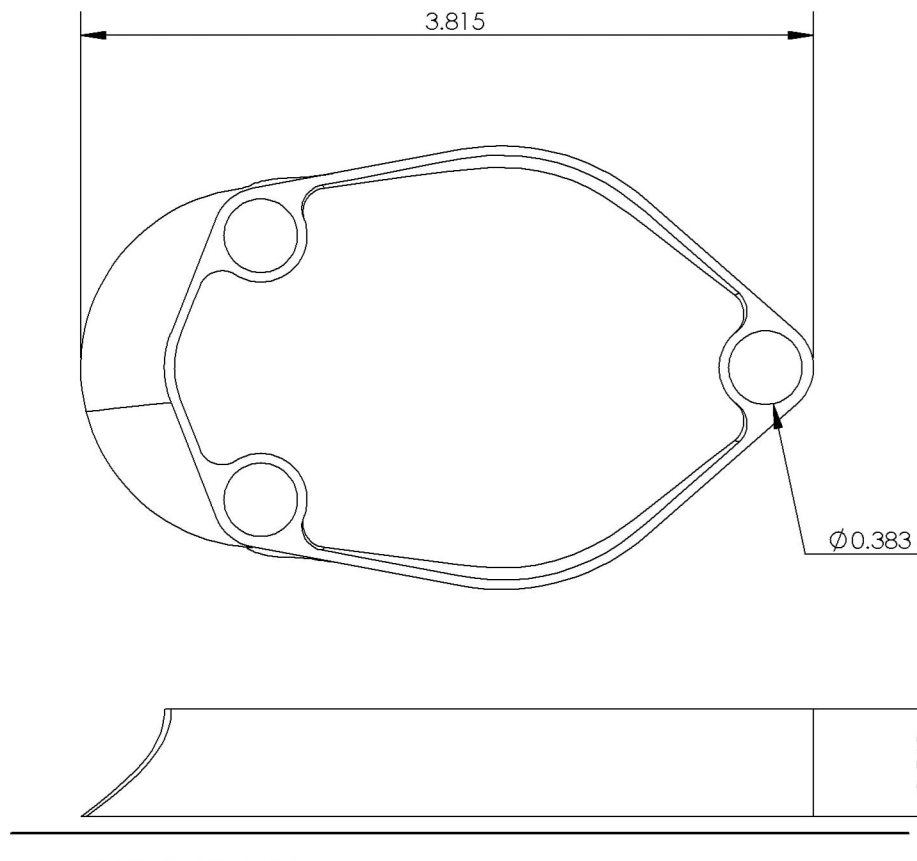
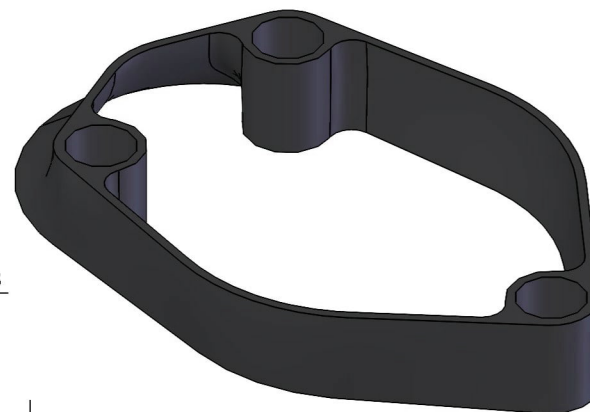
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



AS SHOWN: 2
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.008	BP	2 DECIMAL PLACES	±.010"
		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"
Dimensions per OPR26-P123.sldprt or .step			

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TURRET GEARBOX COVER

DWG. NO.

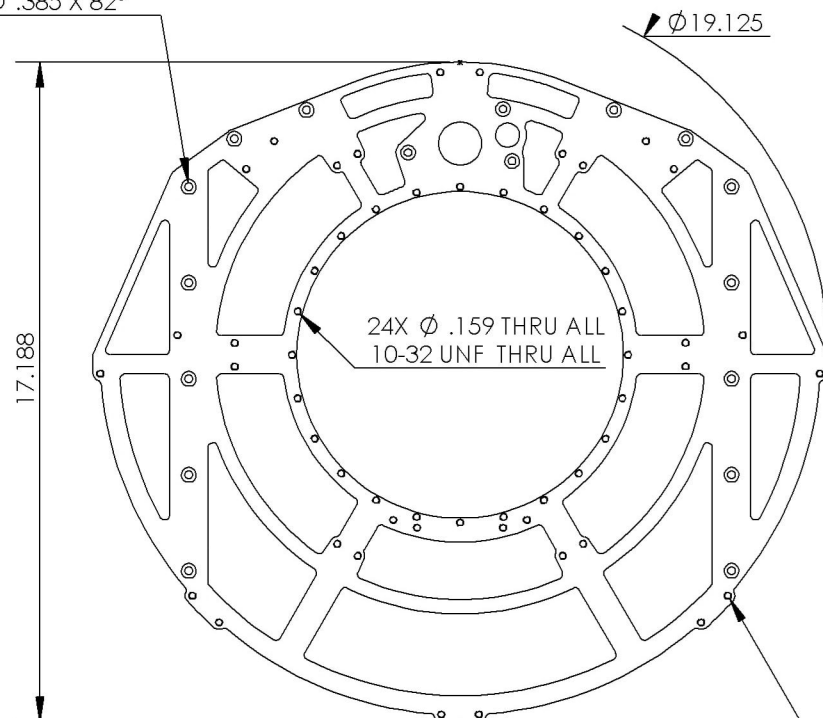
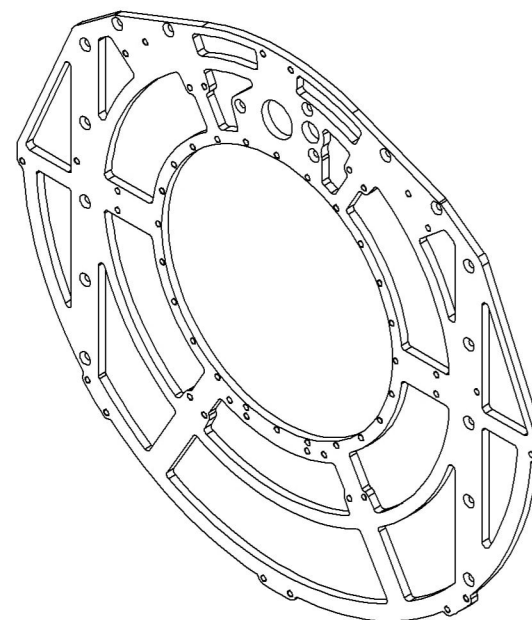
OPR26-P123

PRINTED ON 2026-01-27

SCALE: 1:1

SHEET 1 OF 1

14X ϕ .201 THRU ALL
 $\checkmark$ ϕ .385 X 82°



16X ϕ .159 THRU
 10-32 UNF THRU

AS SHOWN: 2
 OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
2.243	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P124.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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TURRET BASE PLATE

DWG. NO.

OPR26-P124

PRINTED ON 2026-01-27

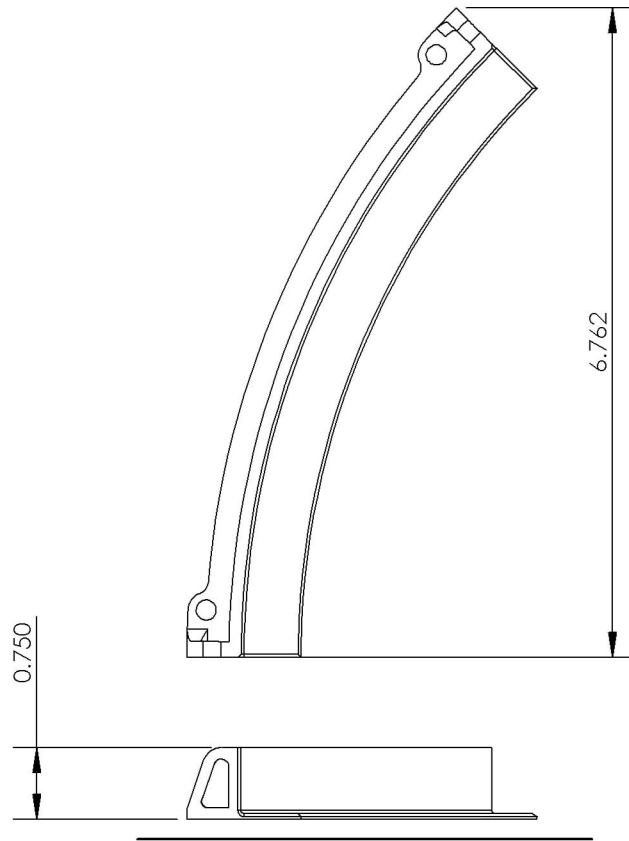
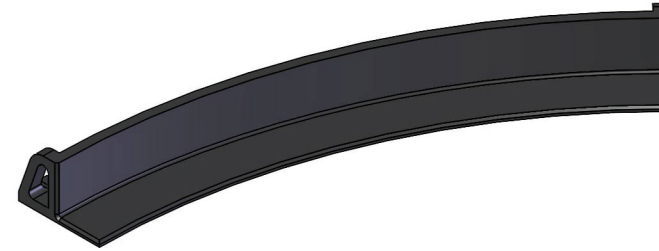
SCALE: 1:5

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 6
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.024	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P130.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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CABLE CHAIN OUTER GUIDE

DWG. NO.

OPR26-P130

PRINTED ON 2026-01-27

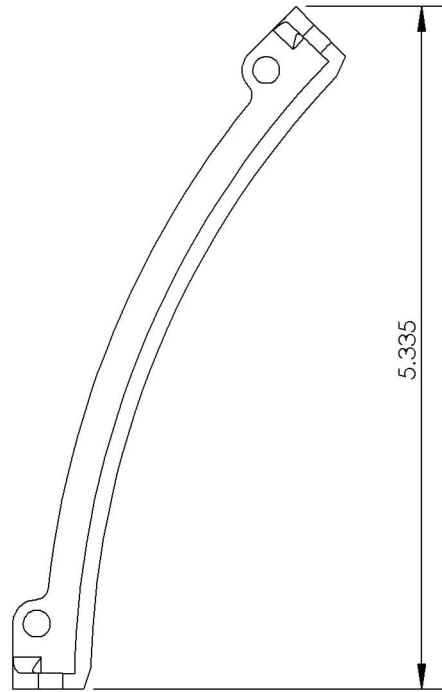
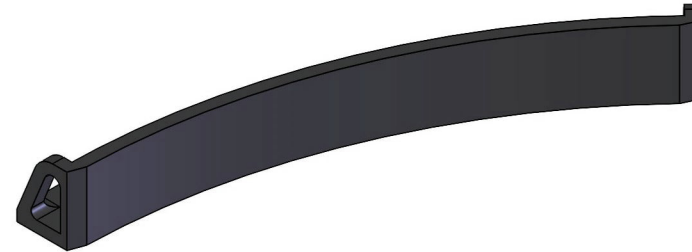
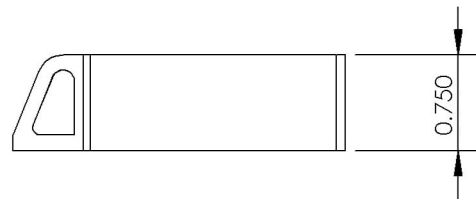
SCALE: 1:2

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 6
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.015	TH	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P131.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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CABLE CHAIN INNER GUIDE

DWG. NO.

OPR26-P131

PRINTED ON 2026-01-27

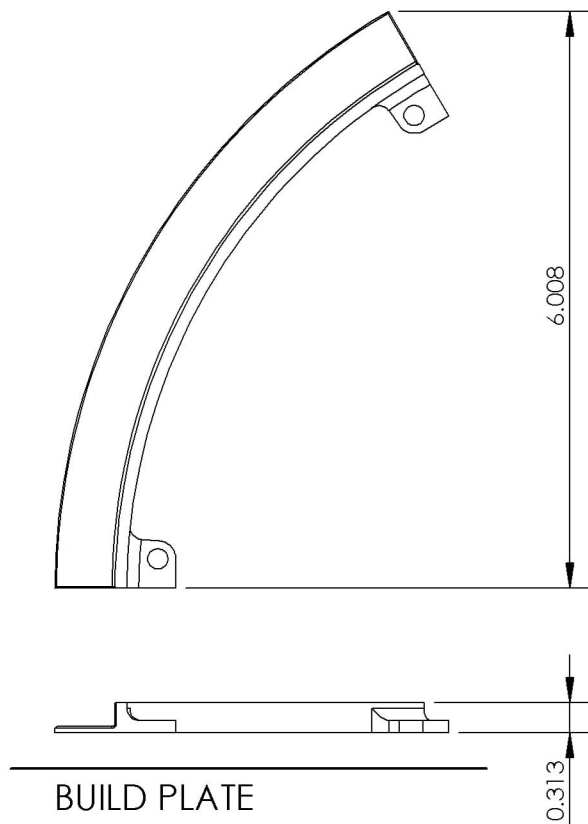
SCALE: 1:1.5

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



AS SHOWN: 12
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32''$
0.012	BP	2 DECIMAL PLACES	$\pm .010''$
Dimensions per OPR26-P132.sldprt or .step		3 DECIMAL PLACES	$\pm .003''$
		FLAT PATTERNS	$\pm .005''$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010''$

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**CABLE CHAIN INNER BOTTOM
GUIDE**

DWG. NO.

OPR26-P132

PRINTED ON 2026-01-27

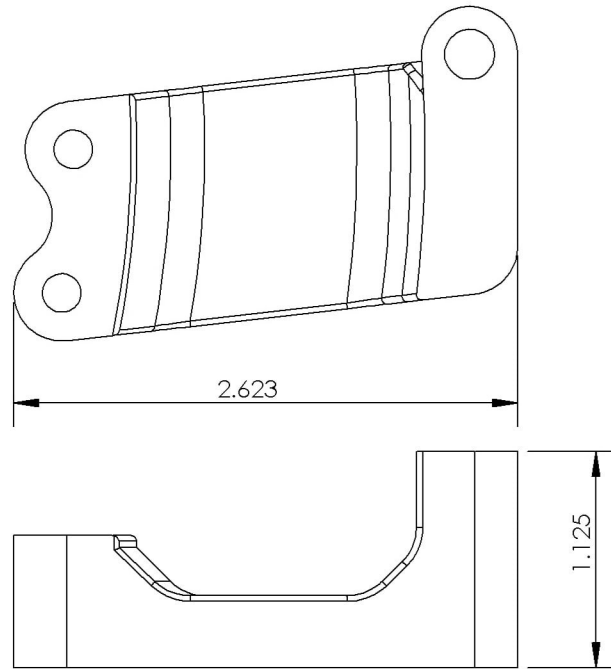
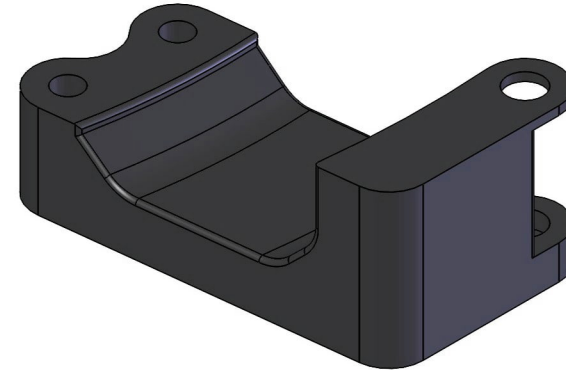
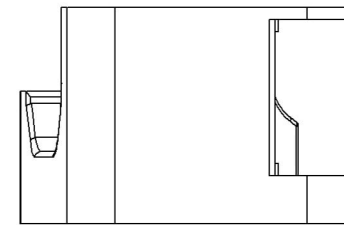
SCALE: 1:2

SHEET 1 OF 1

USE EPA-CF STANDARD
USE SUPPORTS

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.029	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P133.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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CHAIN TURRET BRACKET

DWG. NO.

OPR26-P133

PRINTED ON 2026-01-27

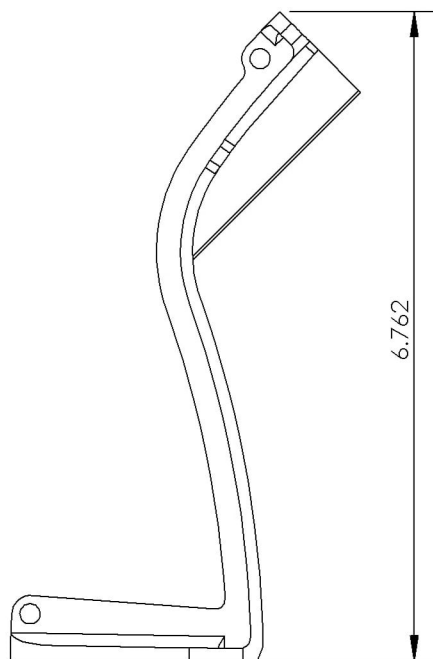
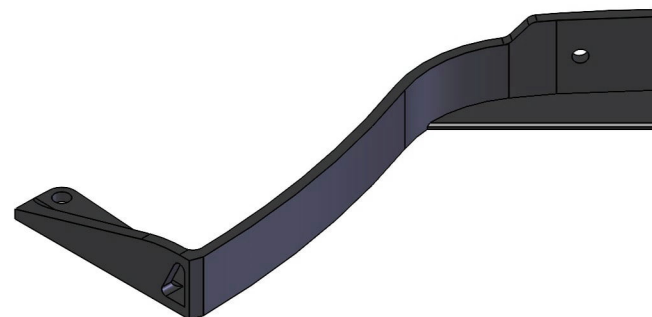
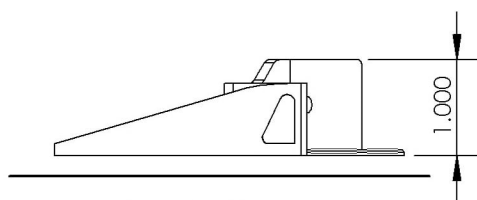
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 3
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.026	TH	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P136.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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CABLE CHAIN END BRACKET

DWG. NO.

OPR26-P136

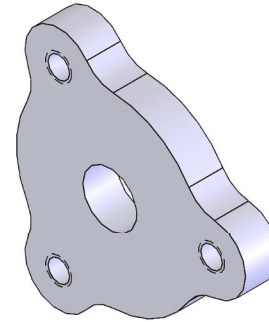
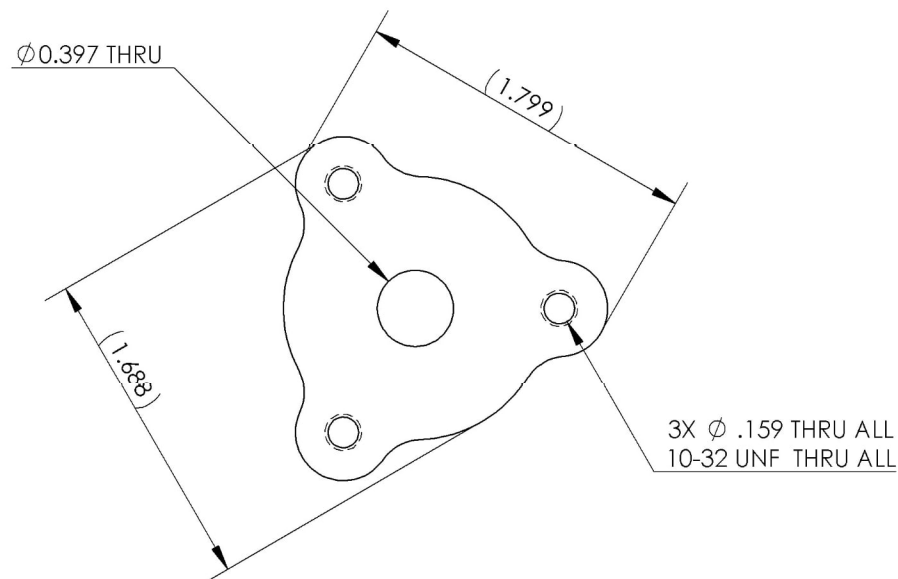
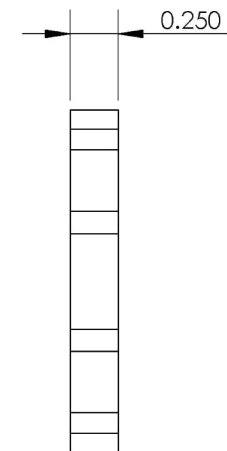
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 6
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.042	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P141.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**INTAKE PIVOT
REINFORCEMENT**

DWG. NO.

OPR26-P141

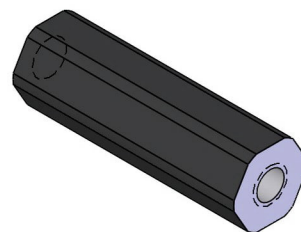
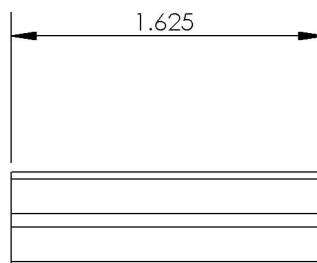
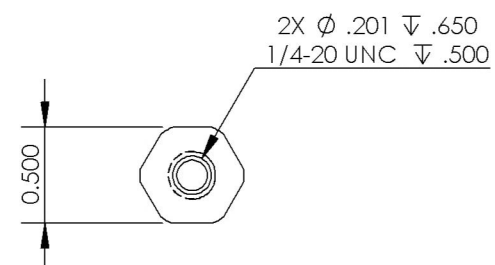
PRINTED ON 2026-01-29

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE

AS SHOWN: 3
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 1.625" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.030	JS	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P142.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Turret Drive Shaft

DWG. NO.

OPR26-P142

PRINTED ON 2026-01-26

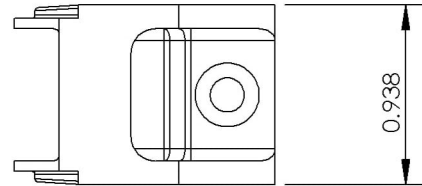
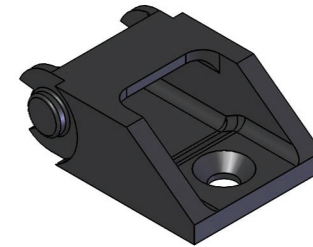
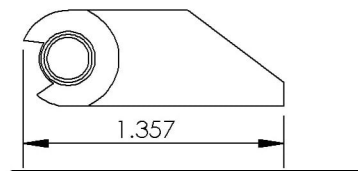
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SHEET 1 OF 1

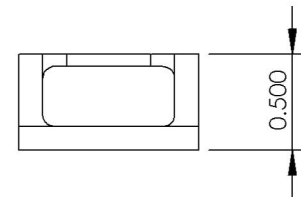
USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE



AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.004	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P143.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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CABLE CHAIN END BRACKET

DWG. NO.

OPR26-P143

PRINTED ON 2026-01-27

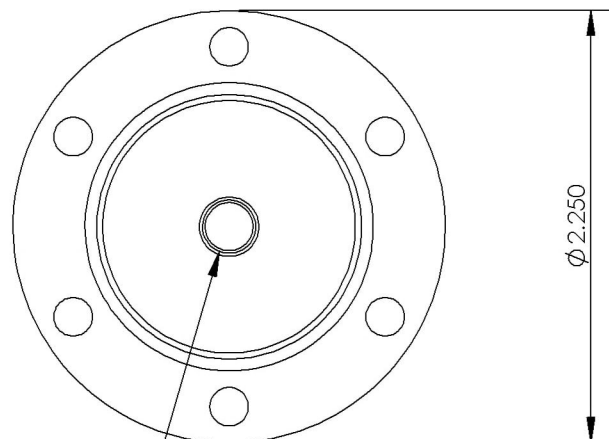
SCALE: 1:1

SHEET 1 OF 1

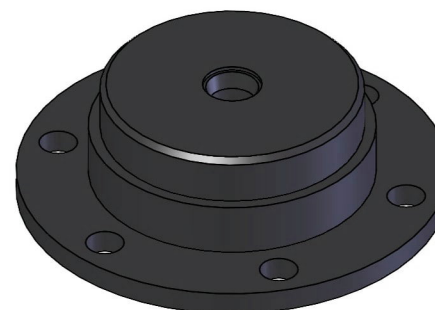
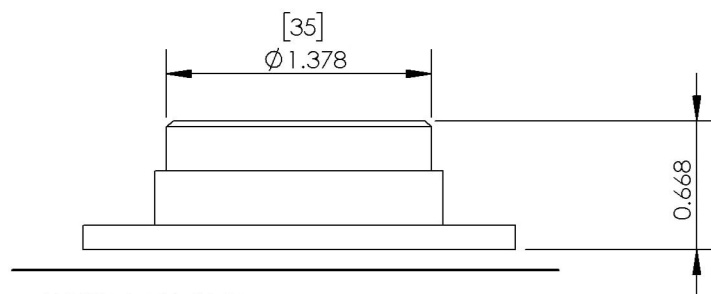
USE EPA-CF STRONG PROFILE
ENABLE SUPPORTS

PROCESS:

Fabricated



10-32 HEAT SET



BUILD PLATE

AS SHOWN: 6
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.021	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P144.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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BEARING HOUSING

DWG. NO.

OPR26-P144

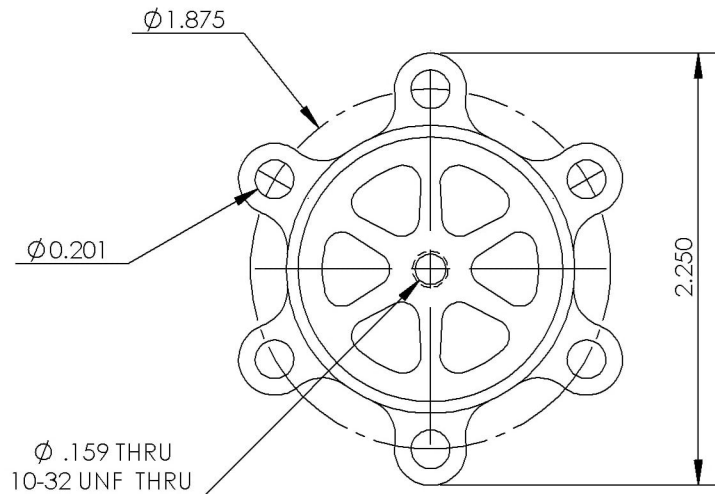
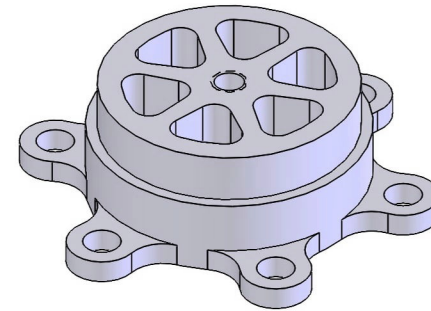
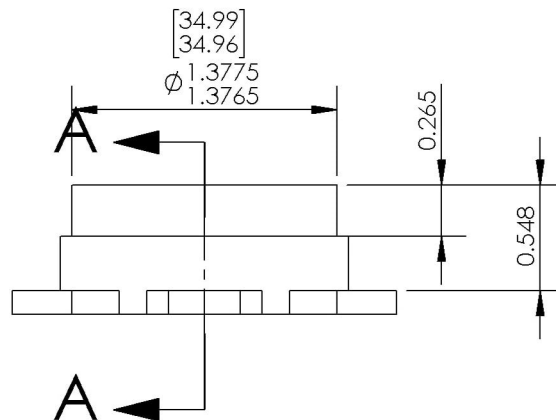
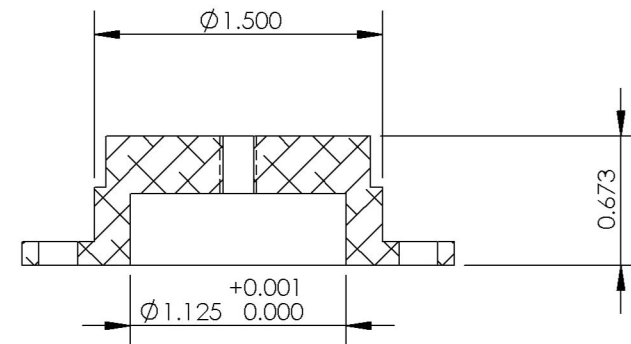
PRINTED ON 28/01/2026

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

Fabricated



SECTION A-A

AS SHOWN: 6
OPPOSITE: 0

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.063	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P144-R1.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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BEARING HOUSING

DWG. NO.

OPR26-P144-R1

PRINTED ON 2026-02-08

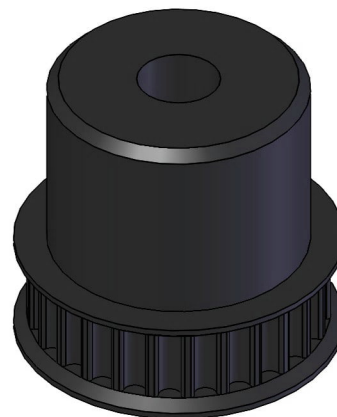
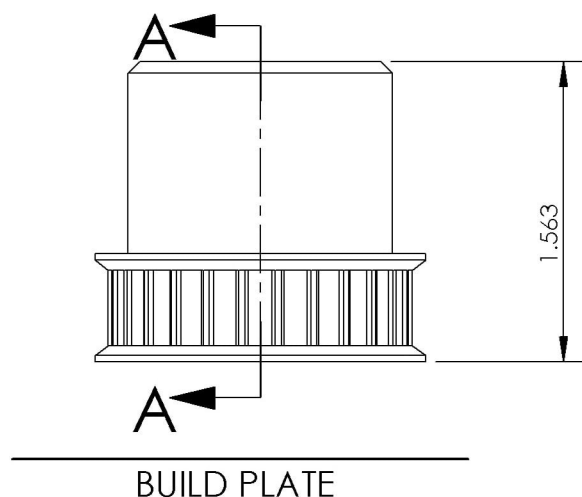
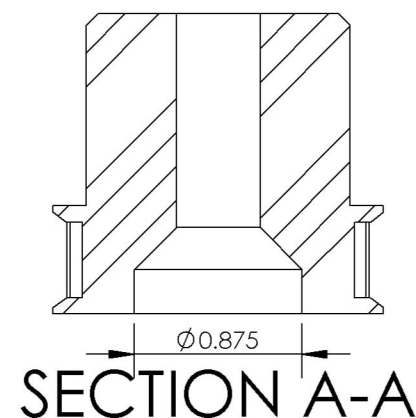
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP



AS SHOWN: 20
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.043	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P200.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**TUBE PLUG26 Teeth Timing
Pulley, 5mm Pitch**

DWG. NO.

OPR26-P200

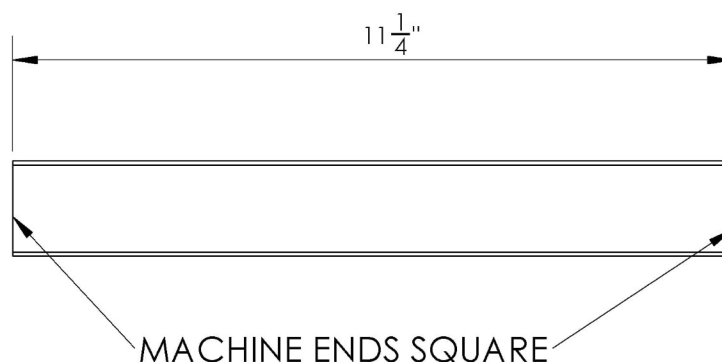
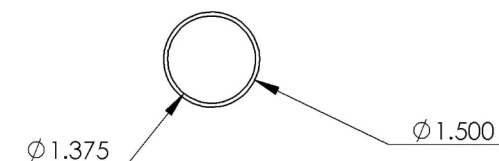
PRINTED ON 2026-01-27

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE



AS SHOWN: 33
OPPOSITE: 0

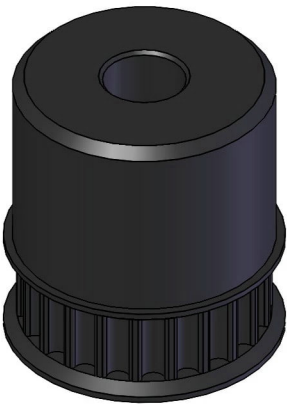
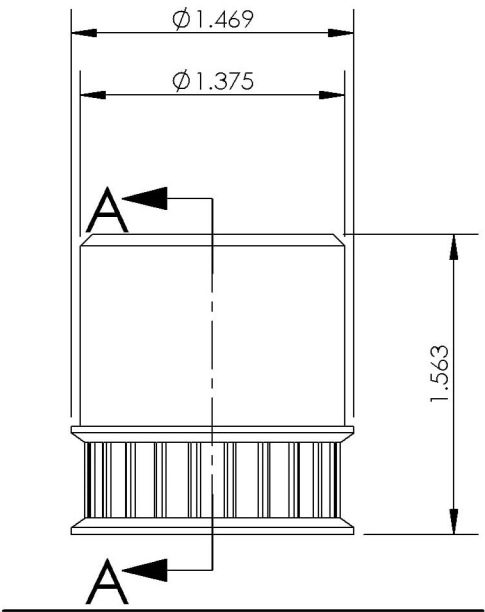


Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
1.500"OD, 0.063" Wall Lexan Round Tube 11.250"		PRIMARY UNITS	INCHES		
Long		NO BURRS OR SHARP EDGES		ROLLER	
Finish		TOLERANCES			
NO FINISH		FRACTIONS		DWG. NO.	
Weight	Drawn By	2 DECIMAL PLACES			
0.137	TH	3 DECIMAL PLACES		OPR26-P201	
Dimensions per OPR26-P201.sldprt or .step		FLAT PATTERNS			
		ANGULAR DEGREES			
		BENDS			

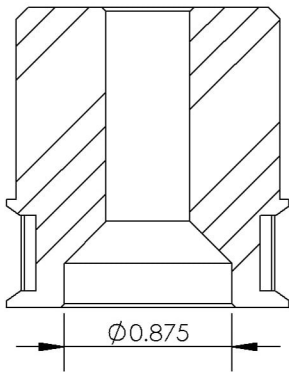
USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE



SECTION A-A

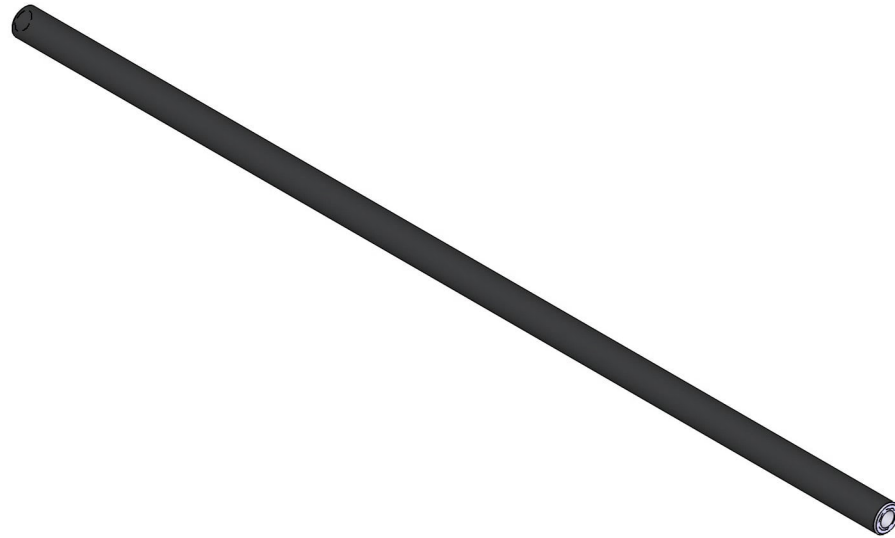
AS SHOWN: 50
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>			
ESun EPA-CF		PRIMARY UNITS INCHES					
Finish		NO BURRS OR SHARP EDGES		TUBE PLUG 22 Teeth Timing Pulley, 5mm Pitch			
NO FINISH		TOLERANCES					
Weight	Drawn By		FRACTIONS		DWG. NO. OPR26-P202		
0.037	TH		2 DECIMAL PLACES				
			3 DECIMAL PLACES				
			FLAT PATTERNS				
			ANGULAR DEGREES				
Dimensions per OPR26-P202.sldprt or .step		BENDS		PRINTED ON 2026-01-27			
		±1/32"		SCALE: 1:1			
		±.010"		SHEET 1 OF 1			
		±.003"					
		±.005"					
		±0.5°					
		±0.010"					

PROCESS:

LATHE


 $12\frac{23}{32}"$
 $2X \ \phi \ .201 \ \nabla \ .900$
 $1/4-20 \text{ UNC } \nabla \ .750$
 $\phi 0.375$

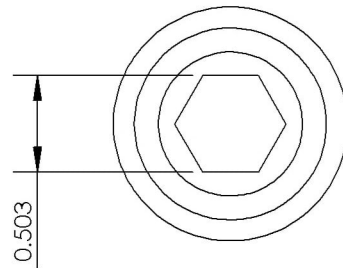
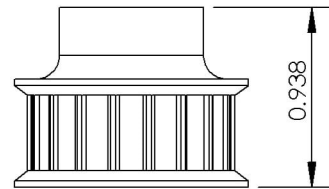
 AS SHOWN: 32
 OPPOSITE: 0


Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>0.375" Tube Axle Stock 12.719" Long</div>	
6061-T6		PRIMARY UNITS	INCHES		
Finish		NO BURRS OR SHARP EDGES			
NO FINISH		TOLERANCES		<div>DWG. NO.</div> <div>OPR26-P203</div> <div>PRINTED ON 2026-01-27 SCALE: 1:2 SHEET 1 OF 1</div>	
Weight	Drawn By	FRACTIONS	±1/32"		
0.099	TH	2 DECIMAL PLACES	±.010"		
		3 DECIMAL PLACES	±.003"		
		FLAT PATTERNS	±.005"		
		ANGULAR DEGREES	±0.5°		
Dimensions per OPR26-P203.sldprt or .step		BENDS	±0.010"		

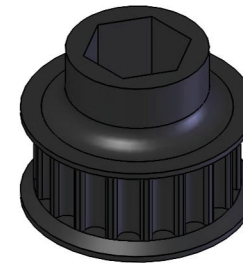
USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE



AS SHOWN: 20
OPPOSITE: 0

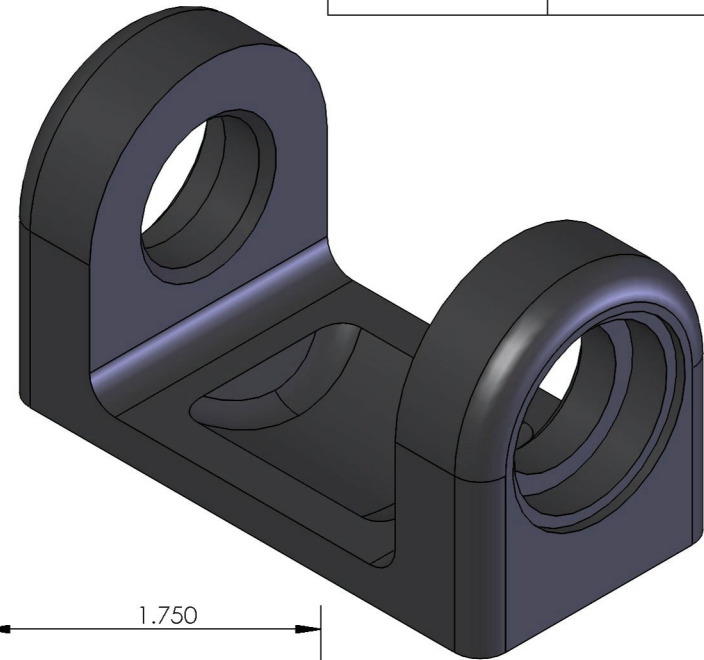
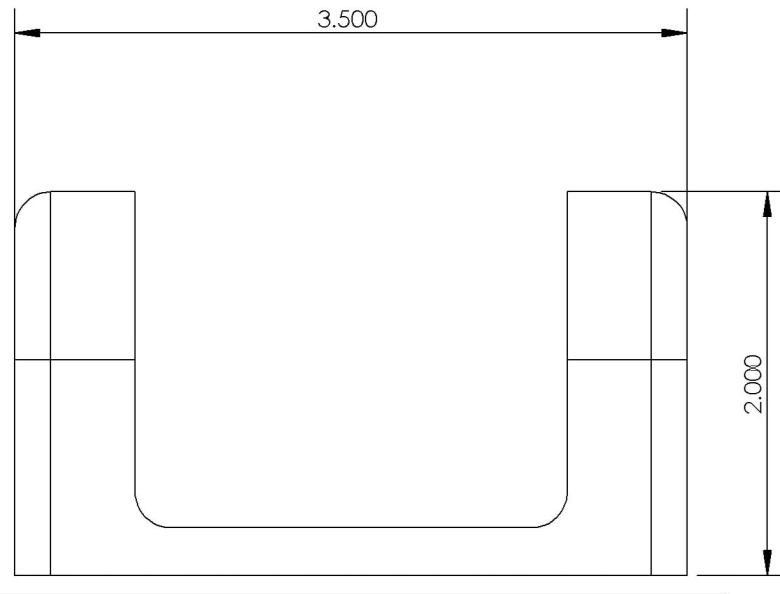
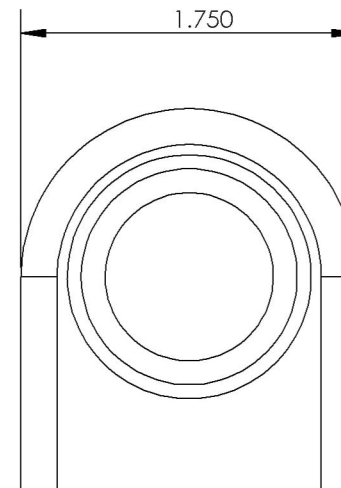


Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
ESun EPA-CF		PRIMARY UNITS	INCHES		
Finish		NO BURRS OR SHARP EDGES		18 Teeth Timing Pulley, 5mm Pitch	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS ±1/32" 2 DECIMAL PLACES ±.010" 3 DECIMAL PLACES ±.003" FLAT PATTERNS ±.005" ANGULAR DEGREES ±0.5° BENDS ±0.010"		DWG. NO.	
0.009	BP			OPR26-P205	
Dimensions per OPR26-P205.sldprt or .step					
		PRINTED ON 2026-01-27		SCALE: 1:1	SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



AS SHOWN: 7
OPPOSITE:

BUILD PLATE



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.071	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P206.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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NARROW YOKE

DWG. NO.

OPR26-P206

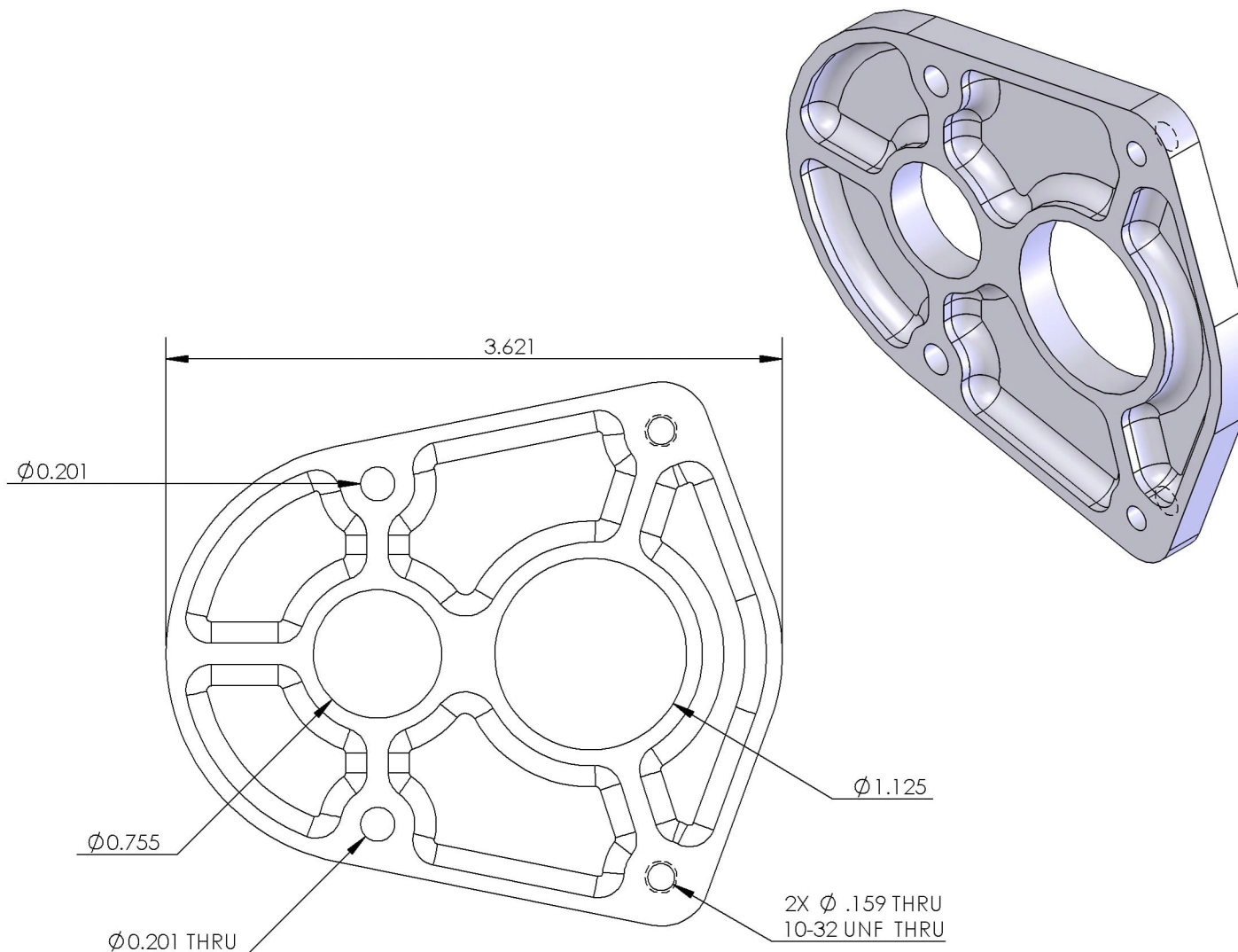
PRINTED ON 2026-01-27

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.097	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P208.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**FEED CONVEYOR GEARBOX
PLATE**

DWG. NO.

OPR26-P208

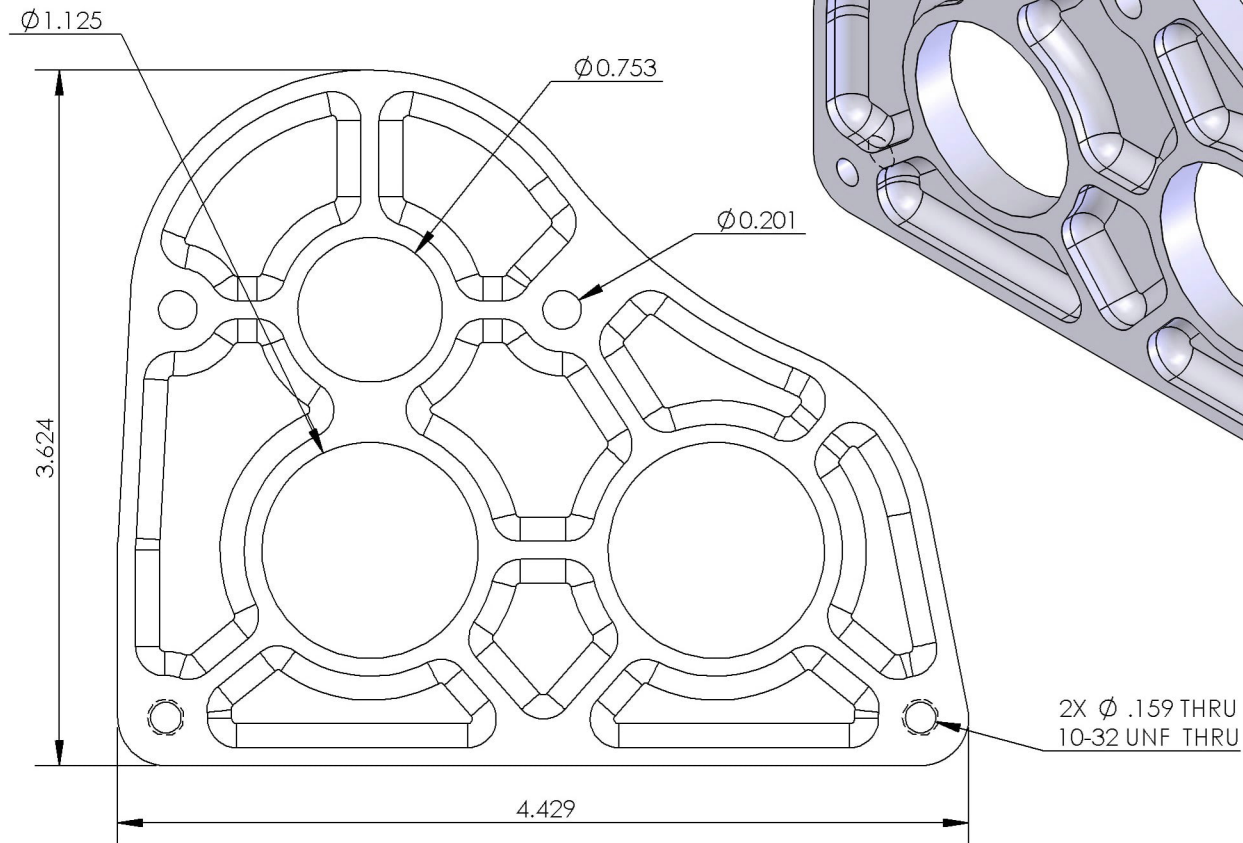
PRINTED ON 2026-01-29

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE: 0

Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.134	TH	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P209.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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SHOOTER FEED GEARBOX

DWG. NO.

OPR26-P209

PRINTED ON 2026-01-29

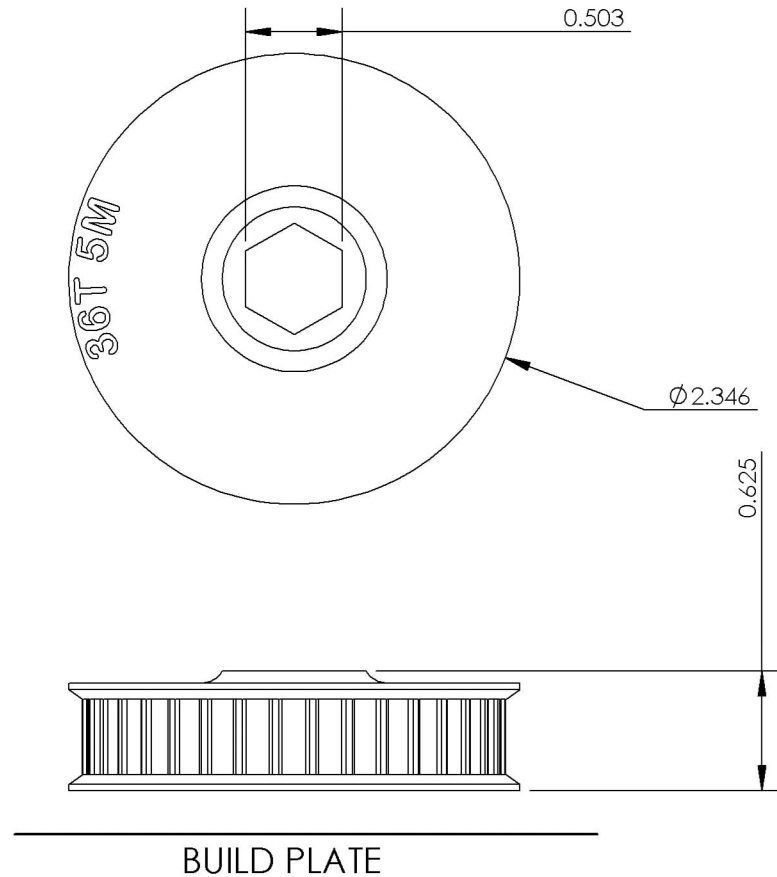
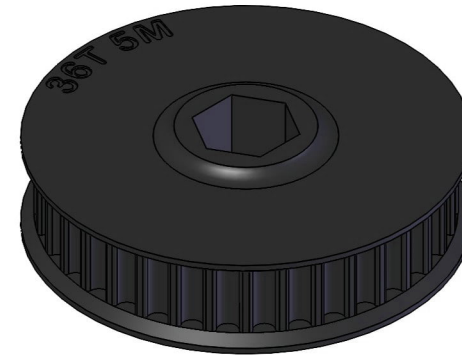
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP



AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.039	3DP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P210.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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**36 Teeth Timing Pulley, 5mm
Pitch**

DWG. NO.

OPR26-P210

PRINTED ON 2026-01-27

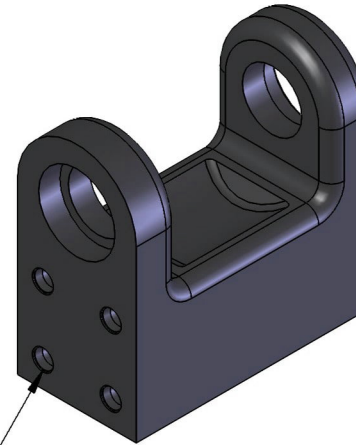
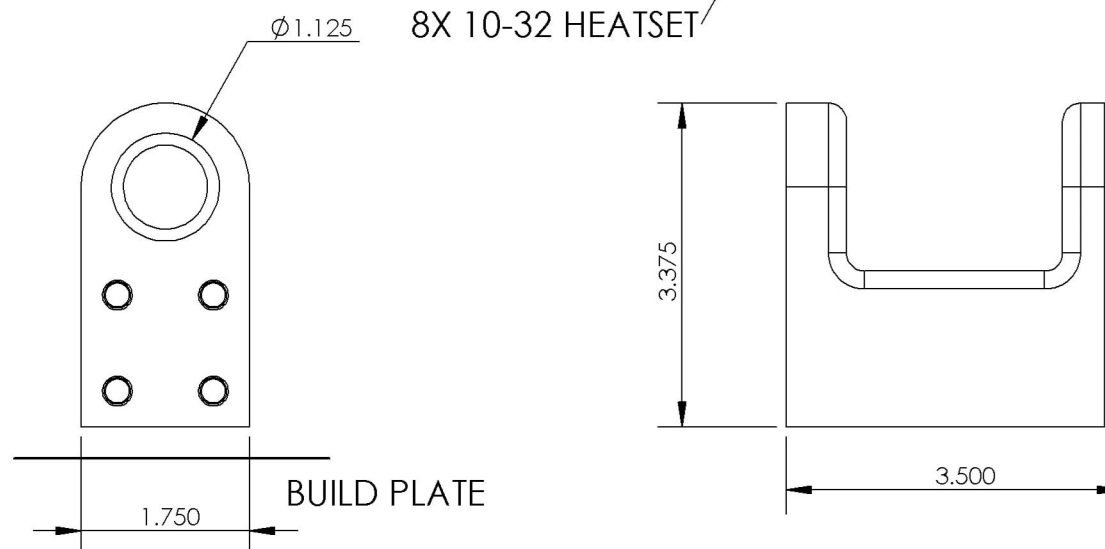
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



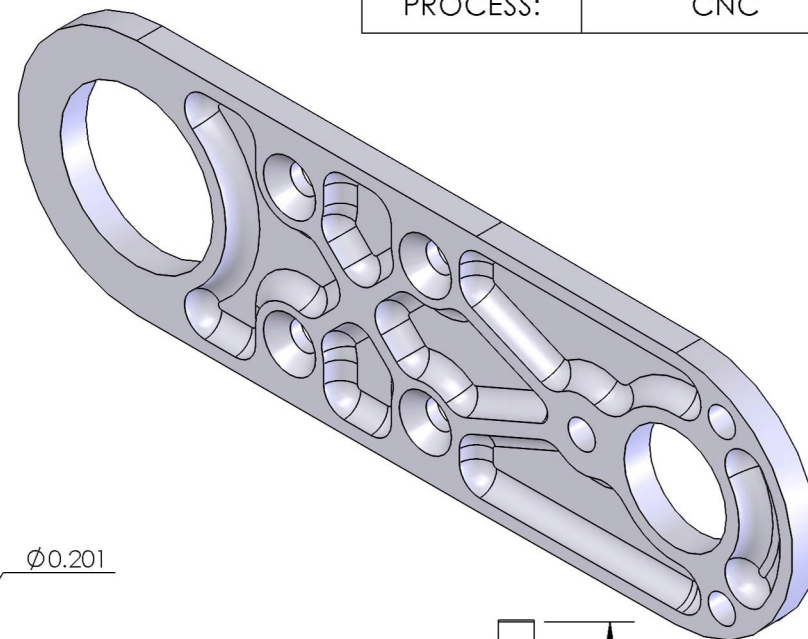
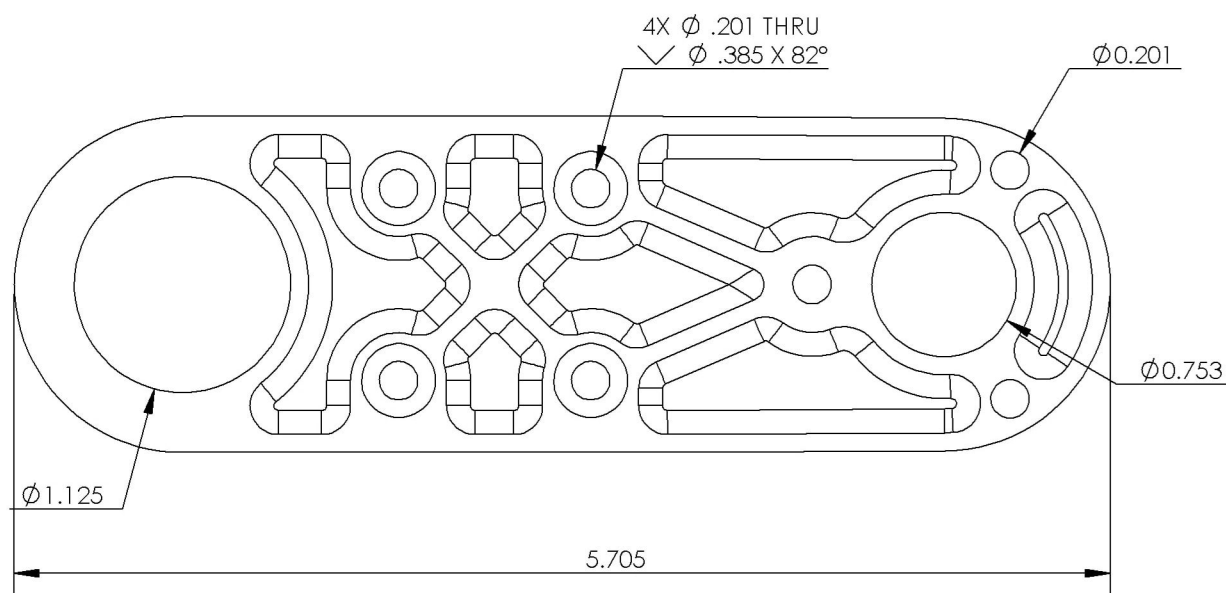
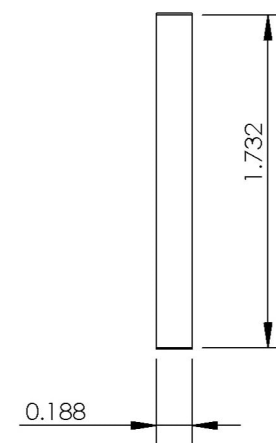
AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
ESun EPA-CF		PRIMARY UNITS INCHES			
Finish		NO BURRS OR SHARP EDGES		DRIVE YOKE	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS ±1/32" 2 DECIMAL PLACES ±.010" 3 DECIMAL PLACES ±.003" FLAT PATTERNS ±.005" ANGULAR DEGREES ±0.5° BENDS ±0.010"		DWG. NO.	
0.189	TH			OPR26-P211	
Dimensions per OPR26-P211.sldprt or .step				PRINTED ON 2026-01-27	
				SCALE: 1:2	
				SHEET 1 OF 1	

PROCESS:

CNC



AS SHOWN: 4
 OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
0.188 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.098	TH	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P212.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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SIDE ROLLER DRIVE PLATE

DWG. NO.

OPR26-P212

PRINTED ON 2026-01-27

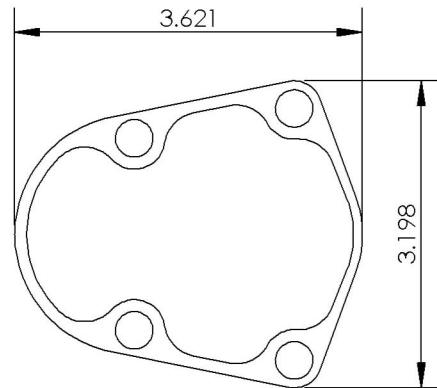
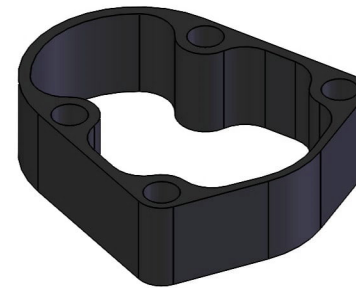
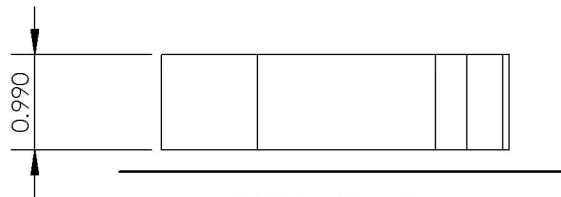
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 4
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.038	CP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P213.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**FEED CONVEYOR GEARBOX
COVER**

DWG. NO.

OPR26-P213

PRINTED ON 2026-01-27

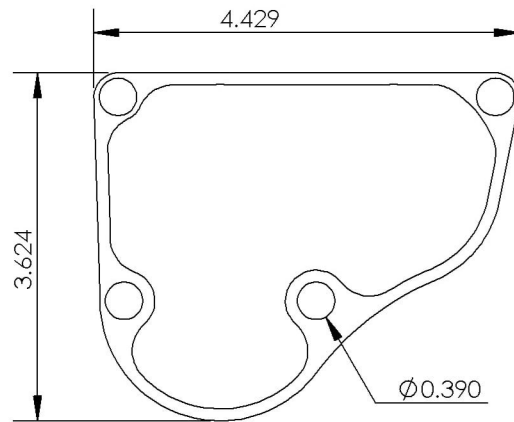
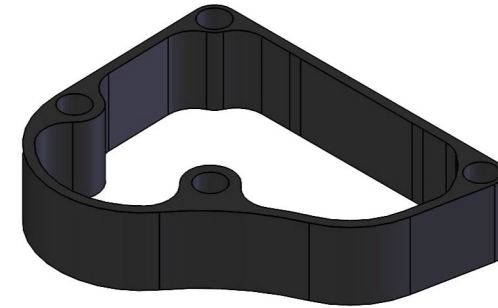
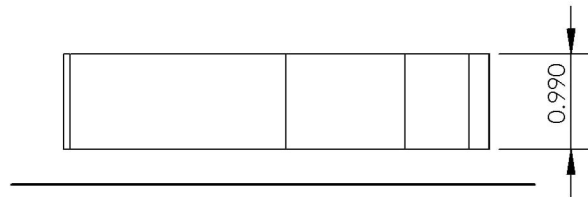
SCALE: 1:2

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.045	CP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P214.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**SHOOTER FEED CONVEYOR
COVER**

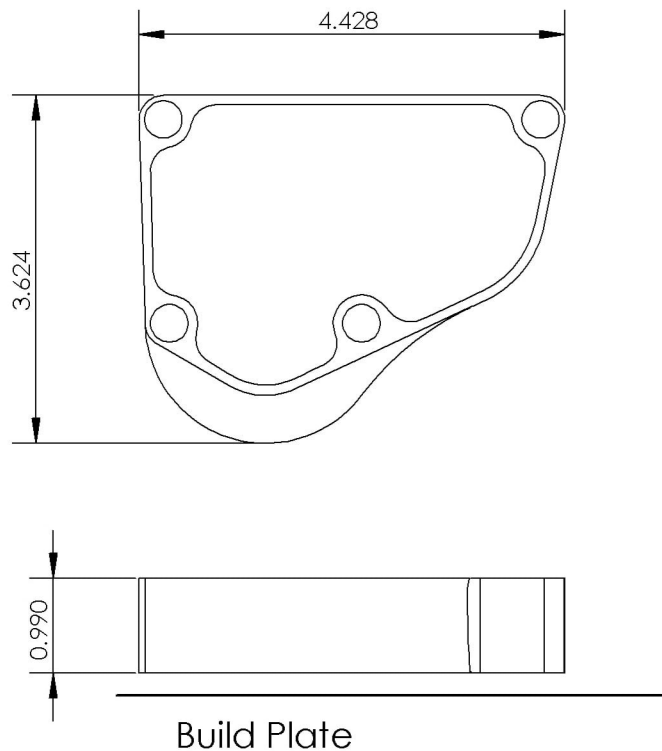
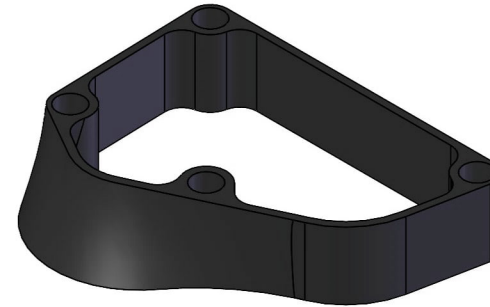
DWG. NO.

OPR26-P214

PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.036	CP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P214-R1.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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**SHOOTER FEED CONVEYOR
COVER**

DWG. NO.

OPR26-P214-R1

PRINTED ON 06/02/2026

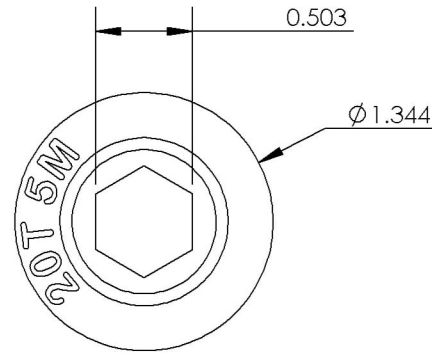
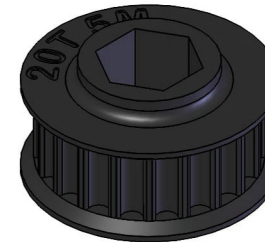
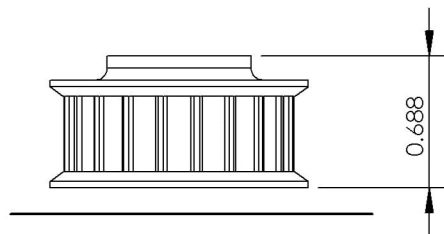
SCALE: 1:2

SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 10
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.010	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P215.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**20 Teeth Timing Pulley, 5mm
Pitch**

DWG. NO.

OPR26-P215

PRINTED ON 2026-01-27

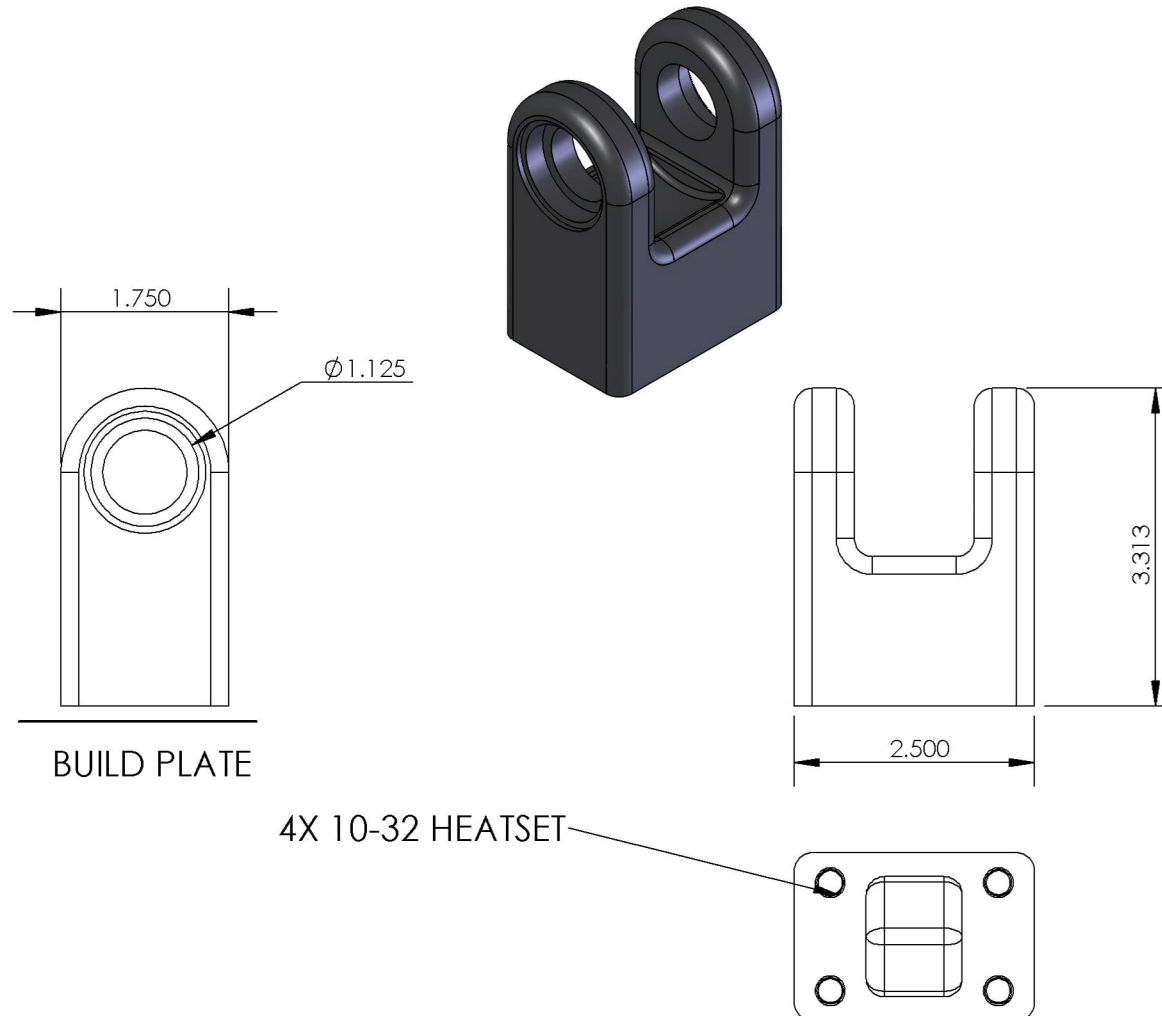
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STANDARD PROFILE

PROCESS:

Fabricated



AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.155	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P216.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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SHOOTER GUIDE YOKES

DWG. NO.

OPR26-P216

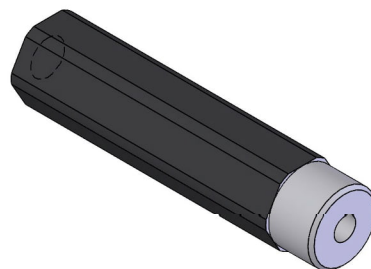
PRINTED ON 2026-01-27

SCALE: 1:2

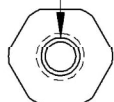
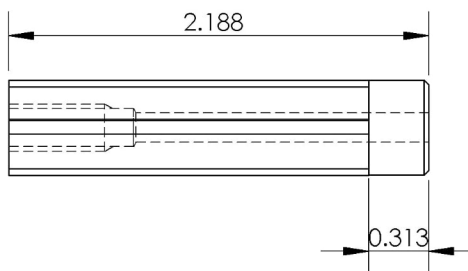
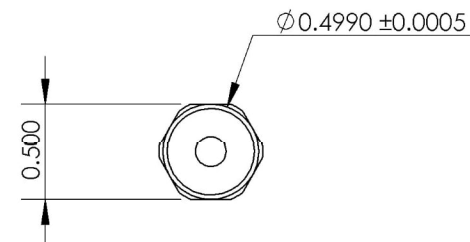
SHEET 1 OF 1

PROCESS:

LATHE



$\varnothing .201 \nabla .650$
1/4-20 UNC $\nabla .500$



AS SHOWN: 9
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 2.188" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.041	JS	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P217.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Gearbox Shaft

DWG. NO.

OPR26-P217

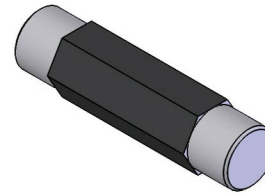
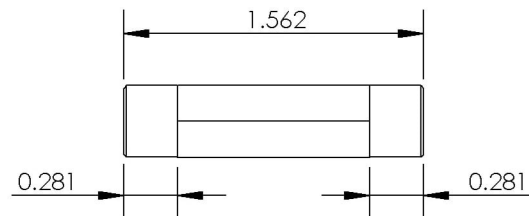
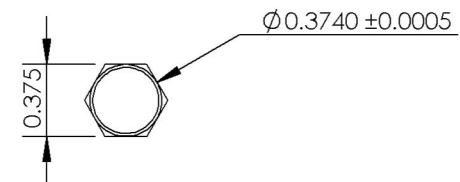
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

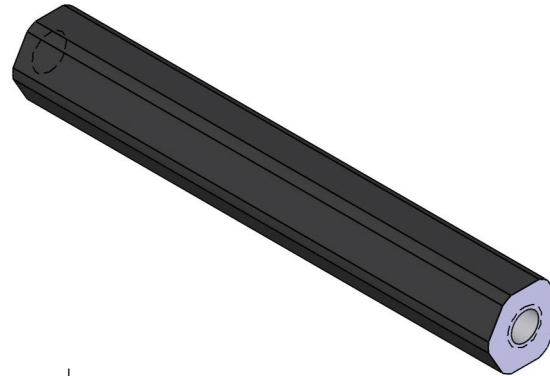
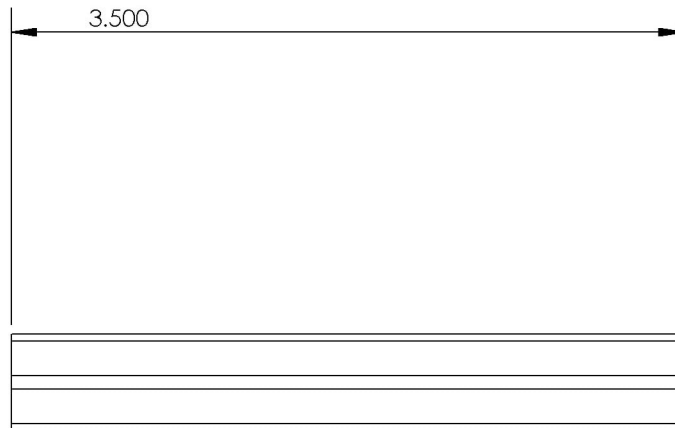
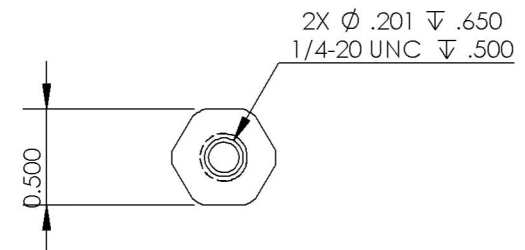
LATHE

AS SHOWN: 3
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
7075-T6 0.375" Hex Bar 1.562" Long		PRIMARY UNITS INCHES			
Finish		NO BURRS OR SHARP EDGES		Gearbox Shaft	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS			

PROCESS:

LATHE

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 3.500" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.067	JS	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P219.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Side Roller Shaft

DWG. NO.

OPR26-P219

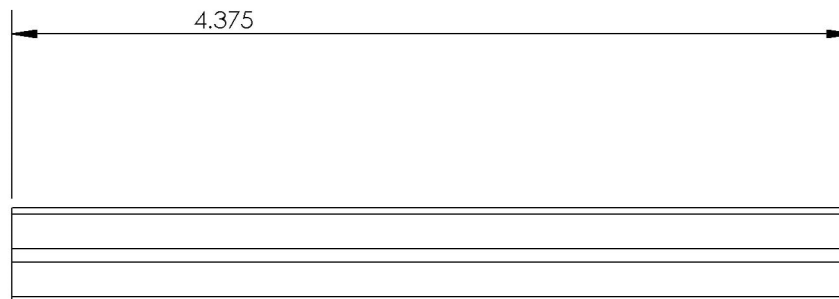
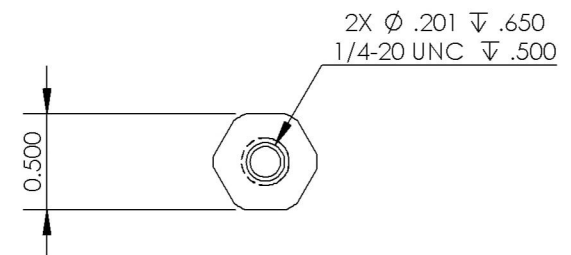
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 4.375" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.084	JS	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P220.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Driving Side Roller Shaft

DWG. NO.

OPR26-P220

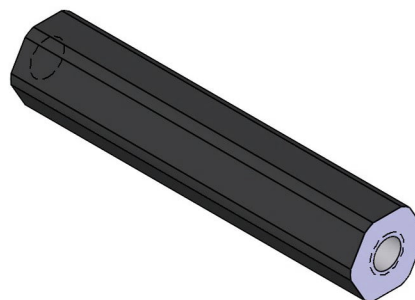
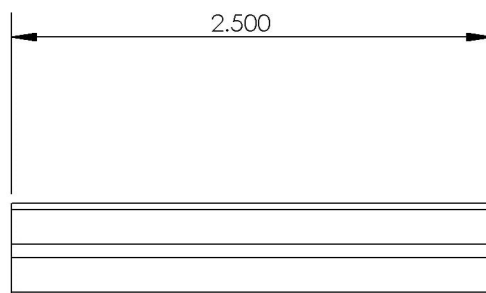
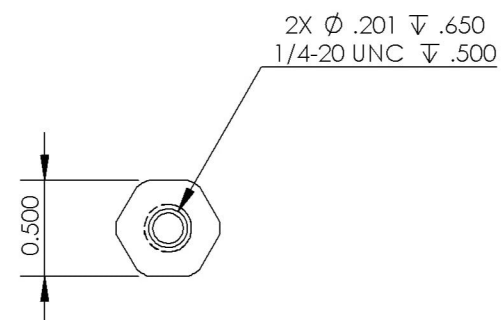
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 2.500" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.047	JS	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P221.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Idle Roller Shaft

DWG. NO.

OPR26-P221

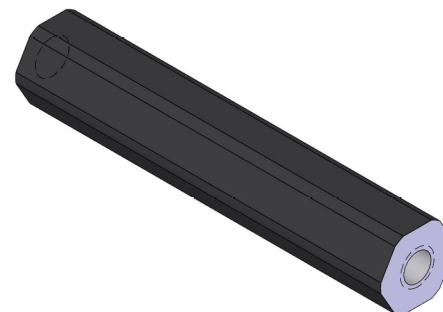
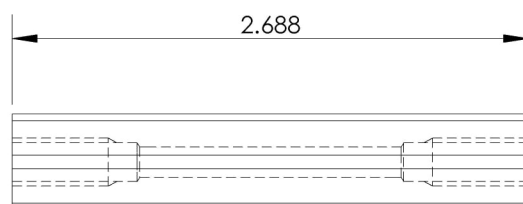
PRINTED ON 2026-01-26

SCALE: 1:1

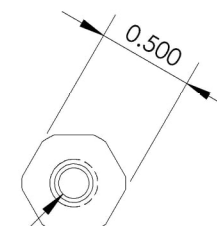
SHEET 1 OF 1

PROCESS:

LATHE



2X $\varnothing$.201 ∇ .650
1/4-20 UNC ∇ .500



AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 2.688" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.051	JS	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P235.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Side Roller Shaft

DWG. NO.

OPR26-P235

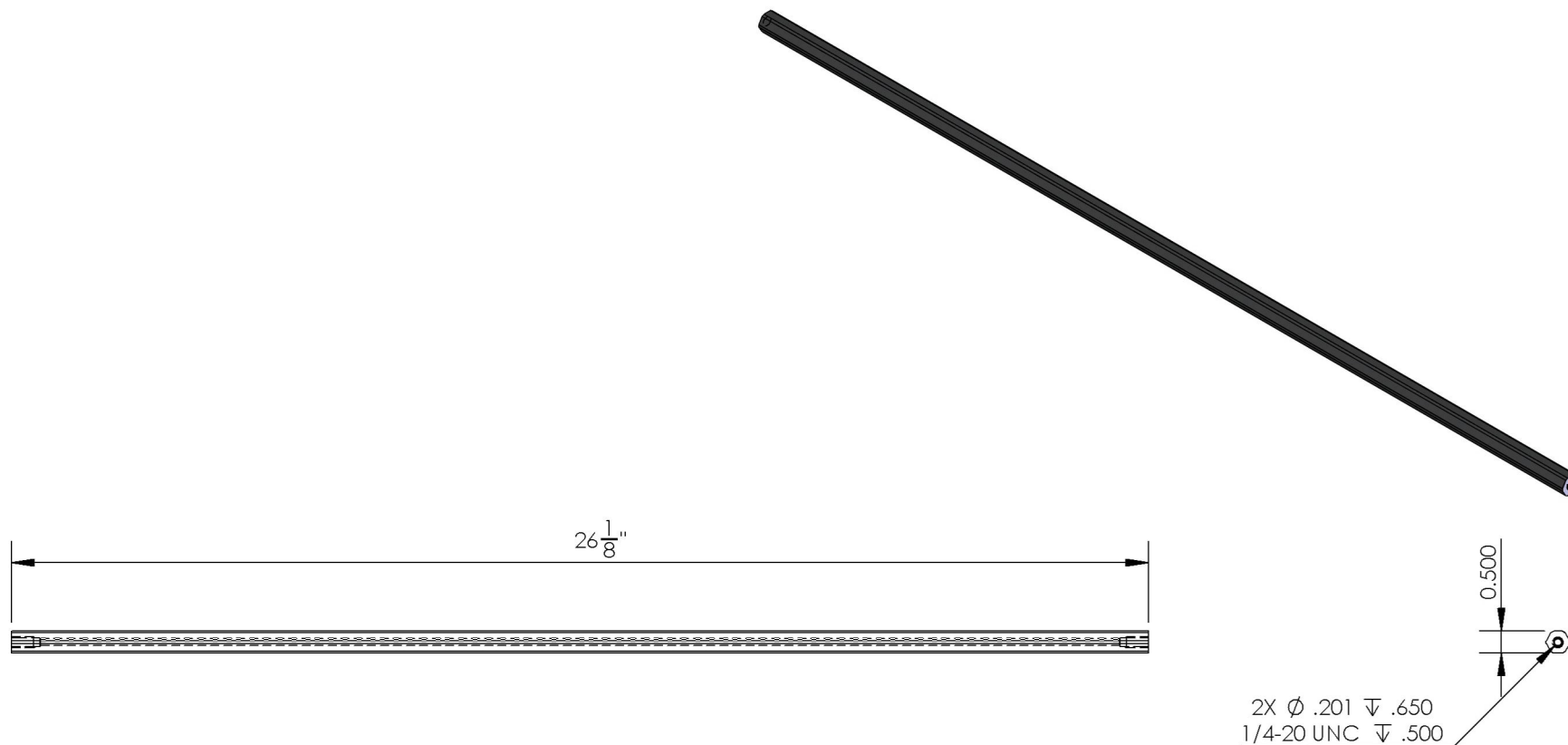
PRINTED ON 2/9/2026

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE



AS SHOWN: 3
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 26.125" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm$ 1/32"
0.510	TH	2 DECIMAL PLACES	$\pm$.010"
Dimensions per OPR26-P302.sldprt or .step		3 DECIMAL PLACES	$\pm$.003"
		FLAT PATTERNS	$\pm$.005"
		ANGULAR DEGREES	$\pm$ 0.5°
		BENDS	$\pm$ 0.010"

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Intake Shaft

DWG. NO.

OPR26-P302

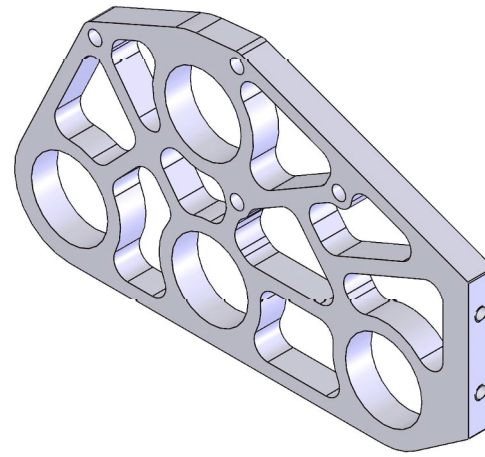
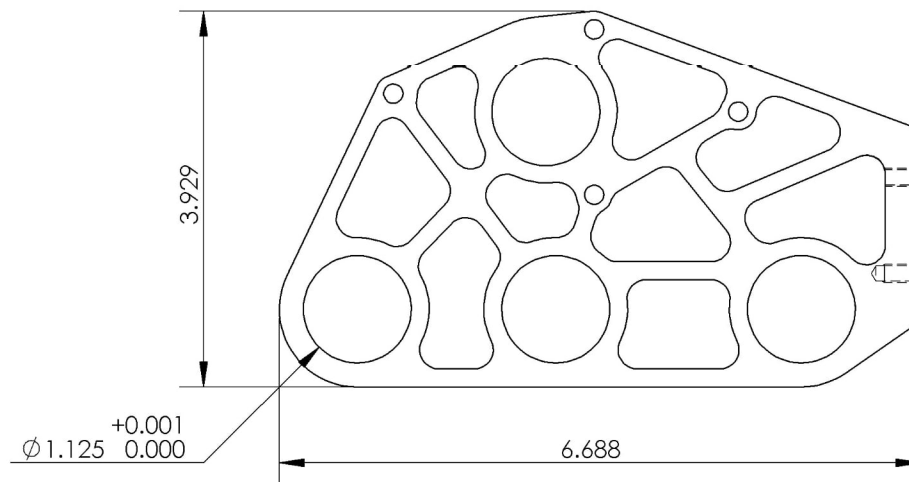
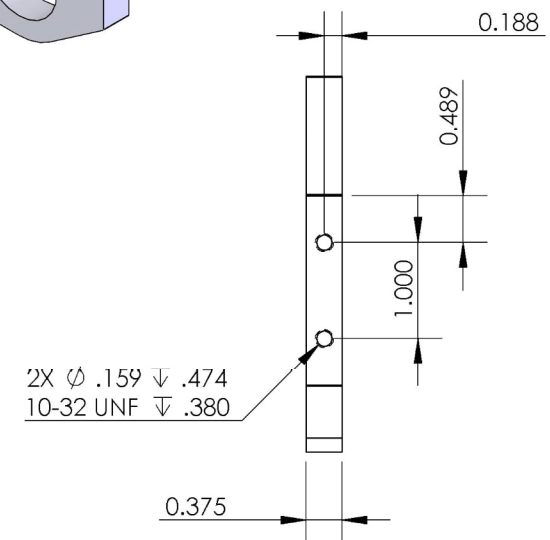
PRINTED ON 2026-01-26

SCALE: 1:4

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.329	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P304.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Intake Gearbox Plate

DWG. NO.

OPR26-P304

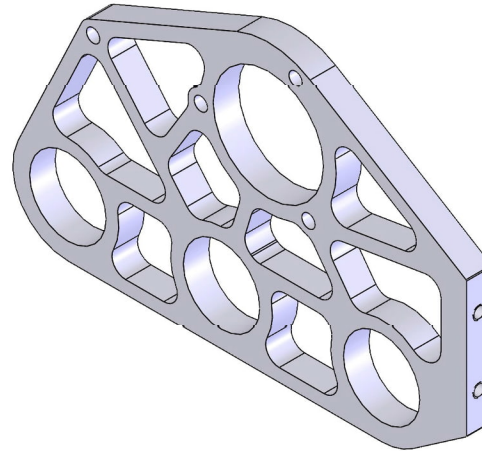
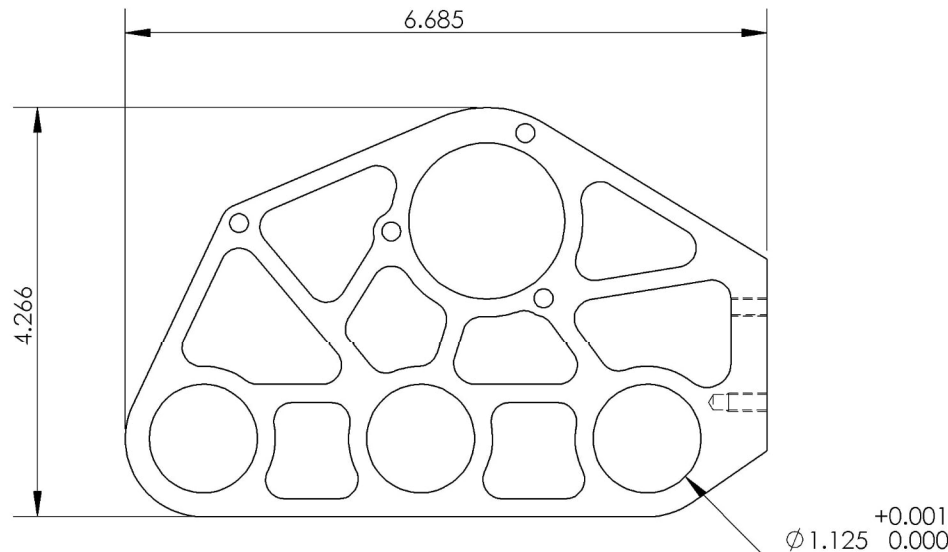
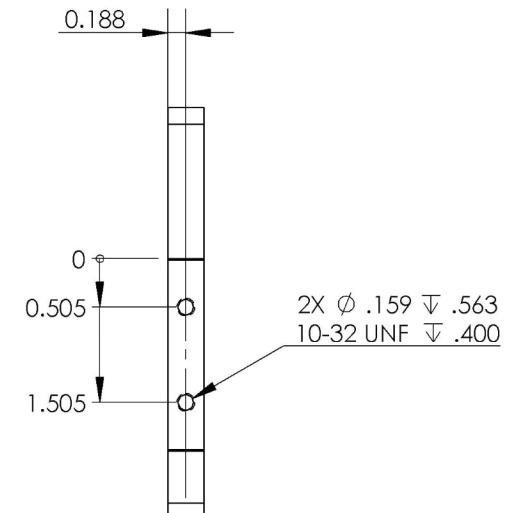
PRINTED ON 2026-01-26

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.330	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P304-R1.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Intake Gearbox Plate

DWG. NO.

OPR26-P304-R1

PRINTED ON 2026-02-10

SCALE: 1:2

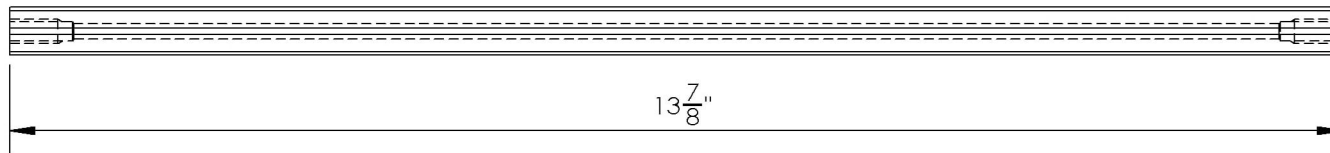
SHEET 1 OF 1

PROCESS:

LATHE



2X $\varnothing$.201 ∇ .650
1/4-20 UNC ∇ .500



13 $\frac{7}{8}$ "

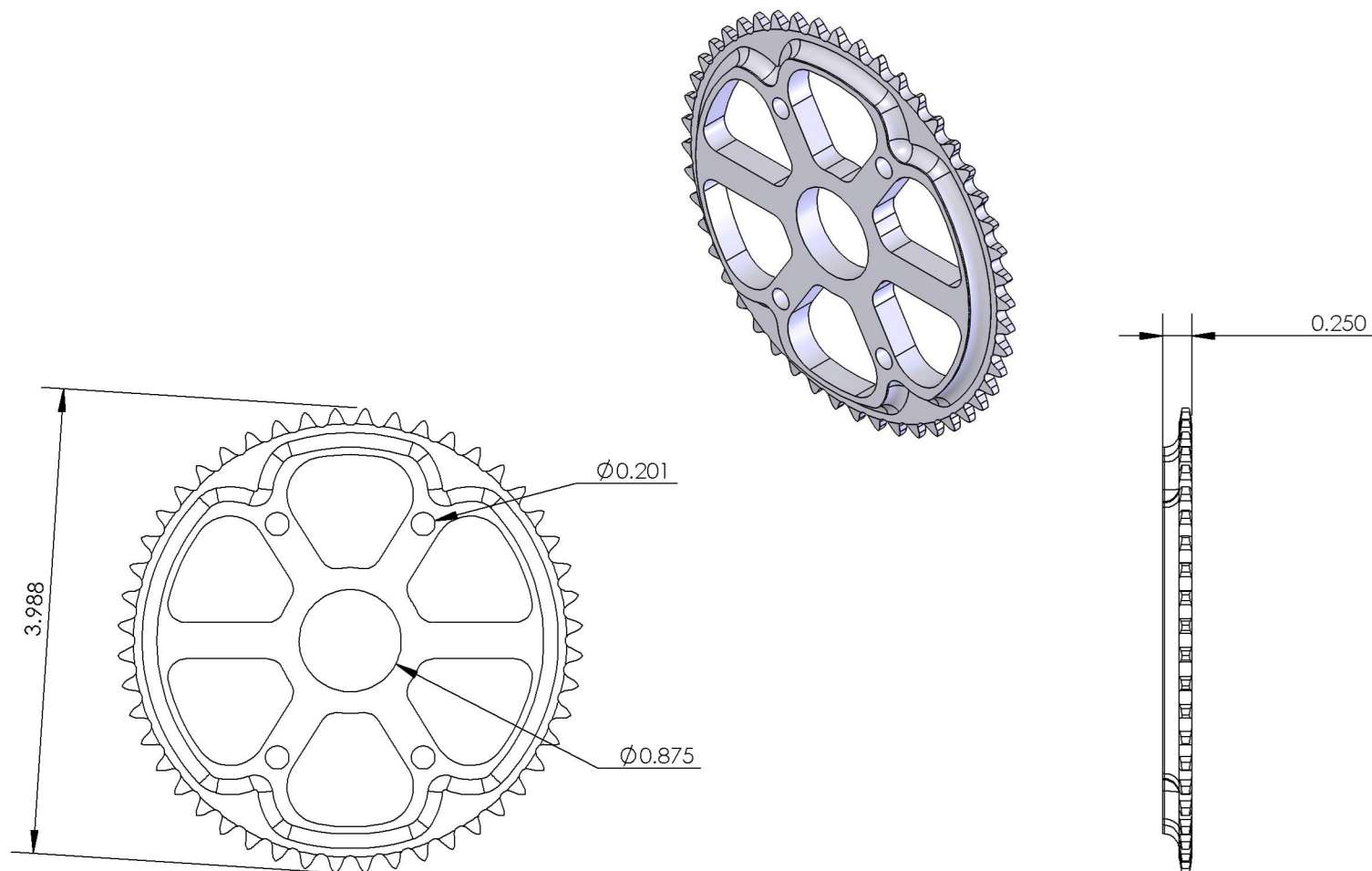
AS SHOWN: 4
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
7075-T6 0.500" Rounded Hex 13.875" Long		PRIMARY UNITS INCHES			
Finish		NO BURRS OR SHARP EDGES		Intake Transfer Shaft	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS			

PROCESS:

CNC

AS SHOWN: 4
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.108	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P306.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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48T Sprocket

DWG. NO.

OPR26-P306

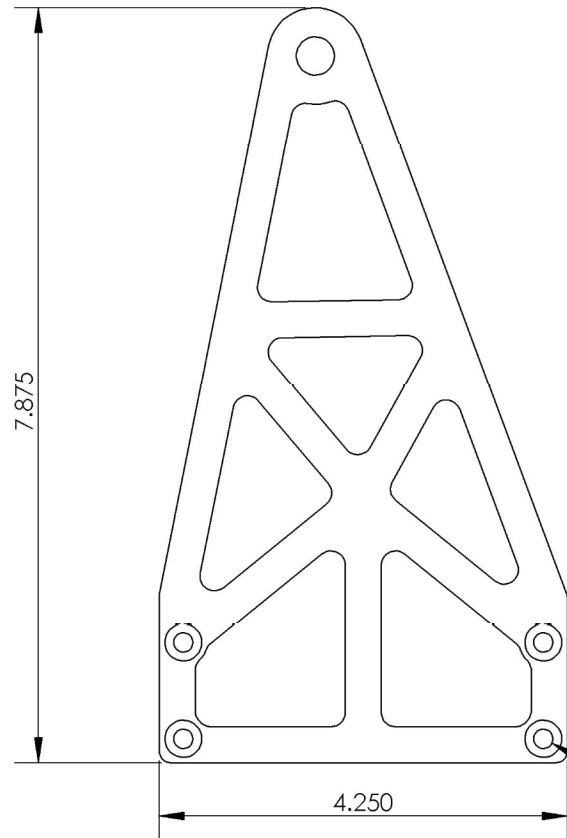
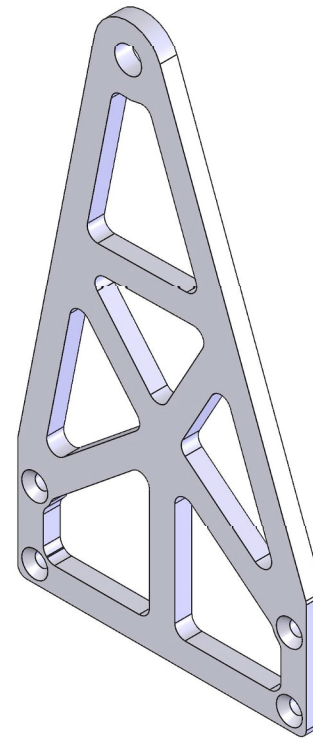
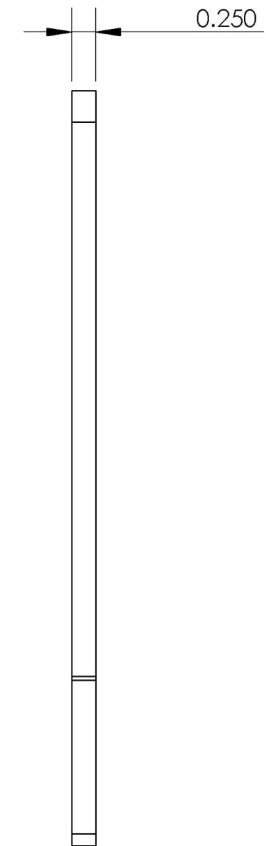
PRINTED ON 2026-01-26

SCALE: 1:1.5

SHEET 1 OF 1

PROCESS:

CNC



4X $\varnothing$.201 THRU
 $\checkmark$ $\varnothing$.385 X 82°
 #10 Bolt to sit flush in hole

AS SHOWN: 2
 OPPOSITE: 2



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.291	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P307.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Intake Pivot Plate

DWG. NO.

OPR26-P307

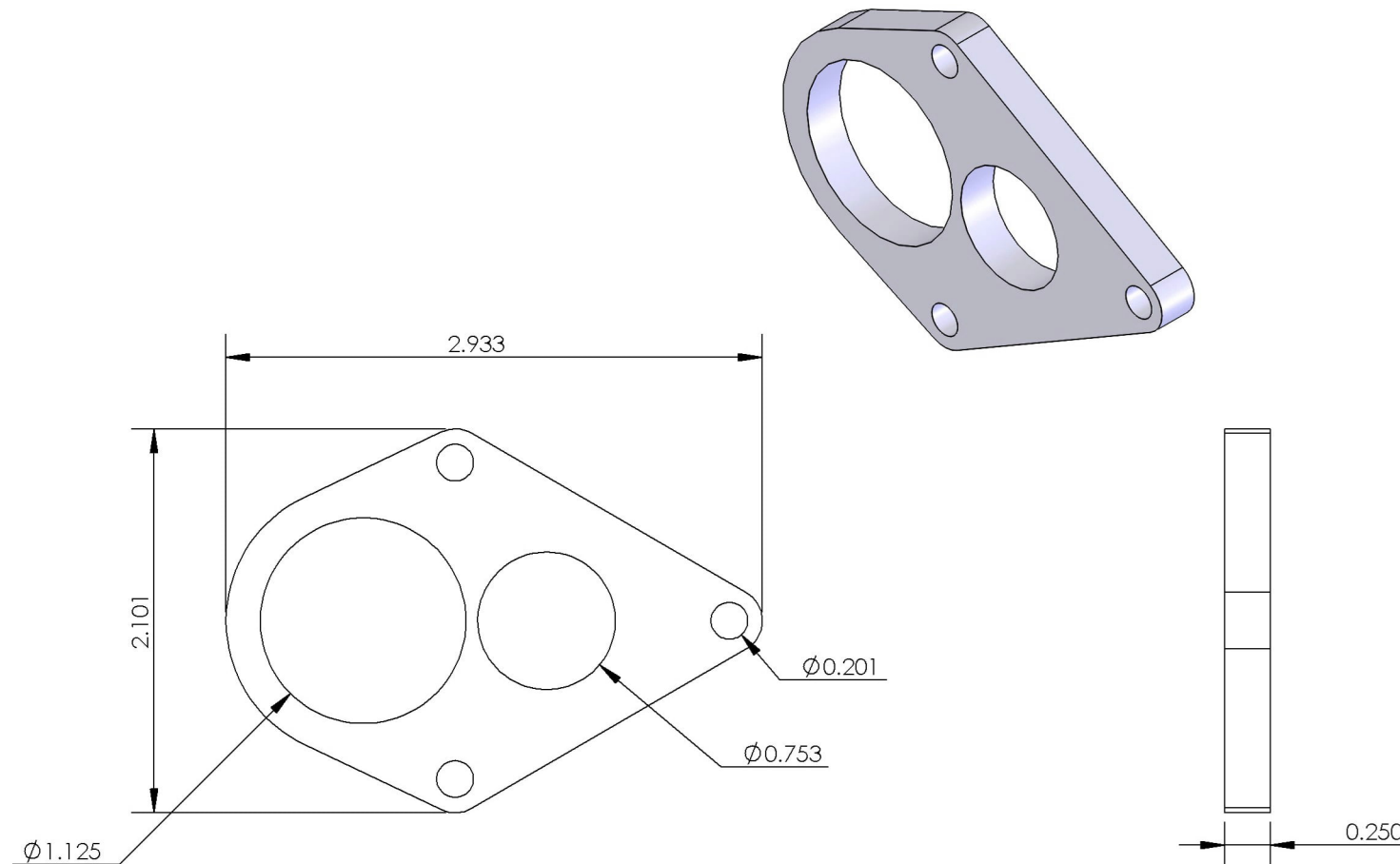
PRINTED ON 2026-01-26

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.056	BSP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P308.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Intake Motor Plate

DWG. NO.

OPR26-P308

PRINTED ON 2026-01-26

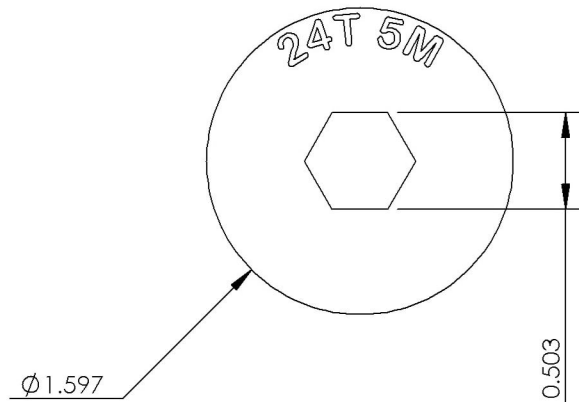
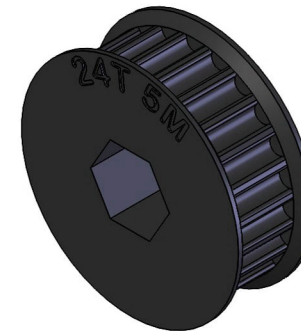
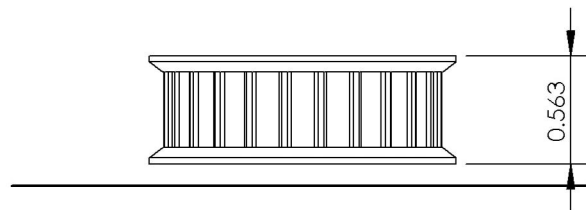
SCALE: 1:1

SHEET 1 OF 1

USE EPA-CF STRONG PROFILE

PROCESS:

3DP



BUILD PLATE

AS SHOWN: 12
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.015	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P310.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**24 Teeth Timing Pulley, 5mm
Pitch**

DWG. NO.

OPR26-P310

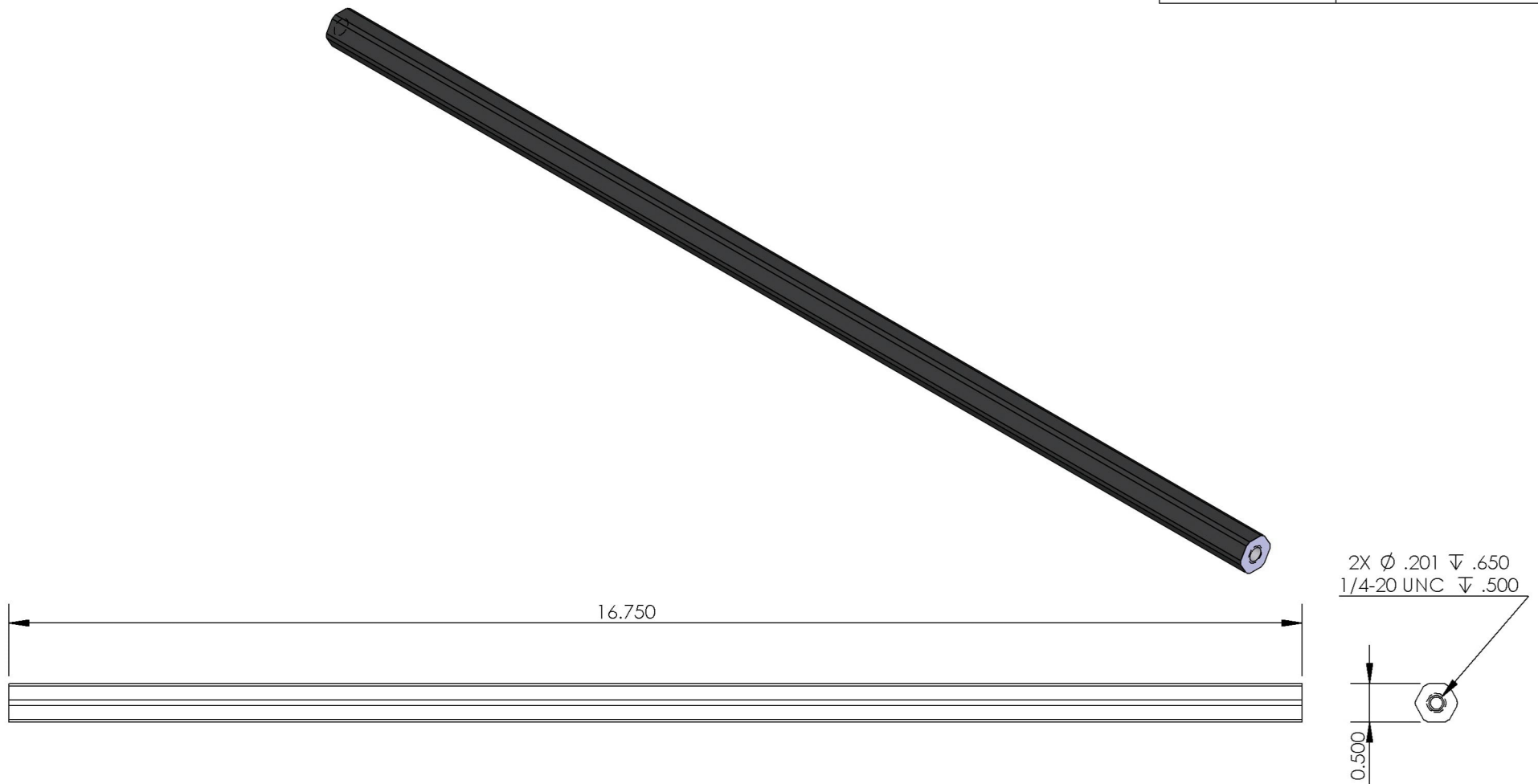
PRINTED ON 2026-01-27

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
7075-T6 0.500" Rounded Hex 16.750" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.327	JS	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P311.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Jack Shaft

DWG. NO.

OPR26-P311

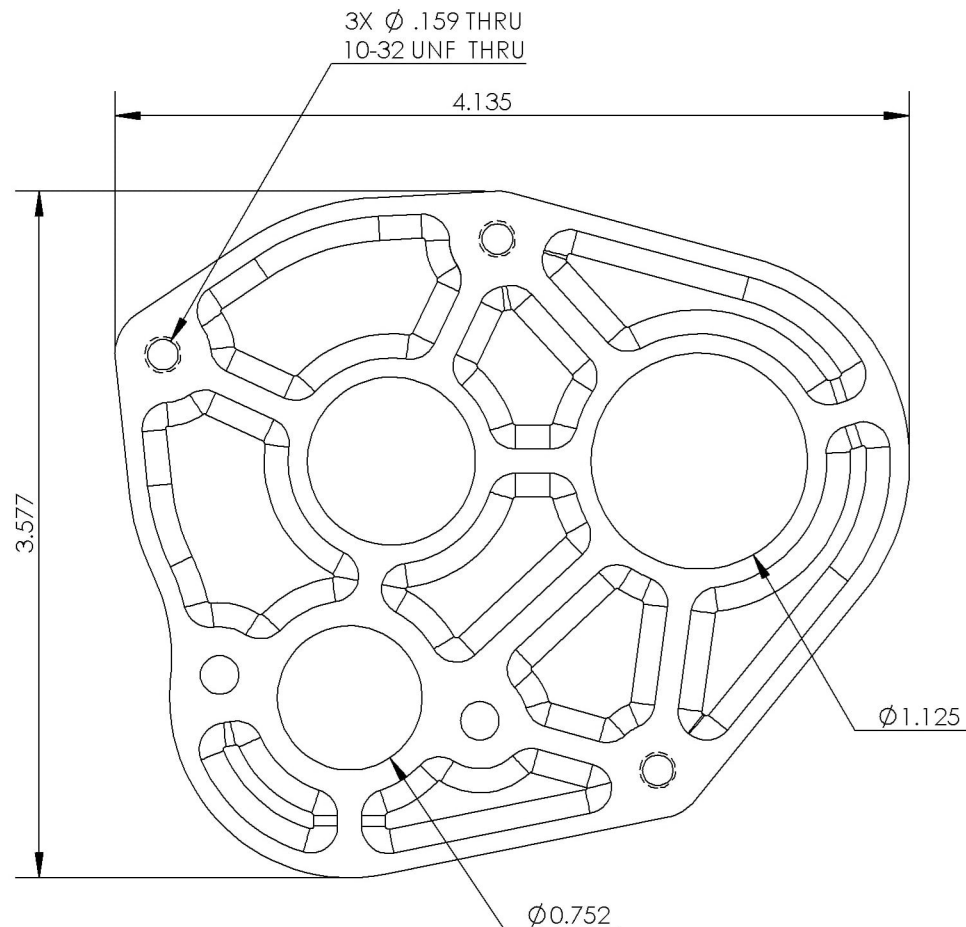
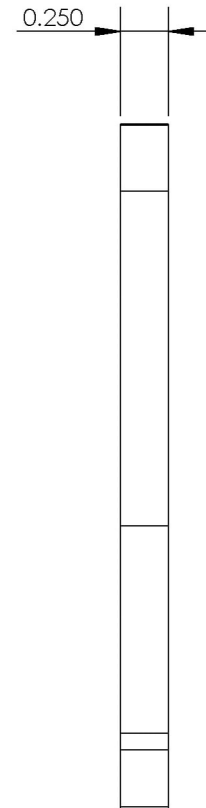
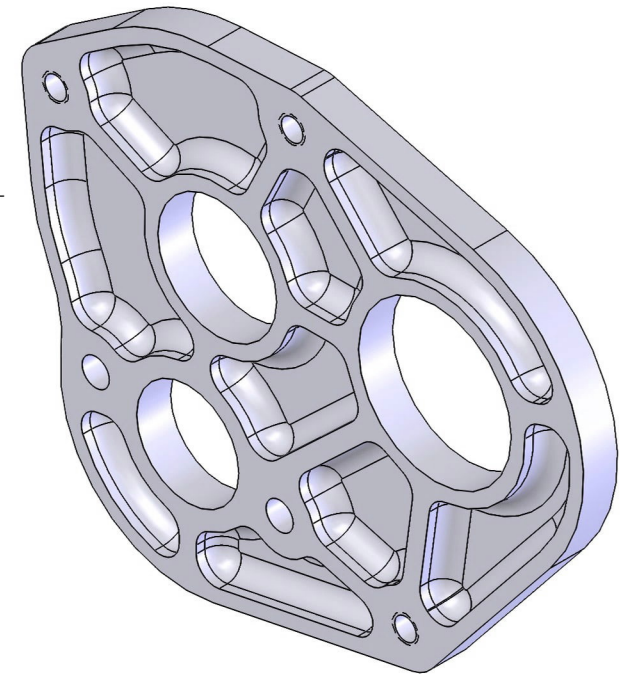
PRINTED ON 2026-01-26

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.134	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P312.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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**INTAKE PIVOT GEARBOX
PLATE**

DWG. NO.

OPR26-P312

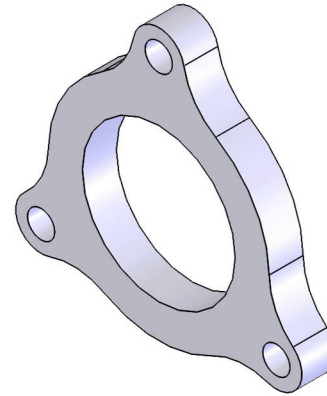
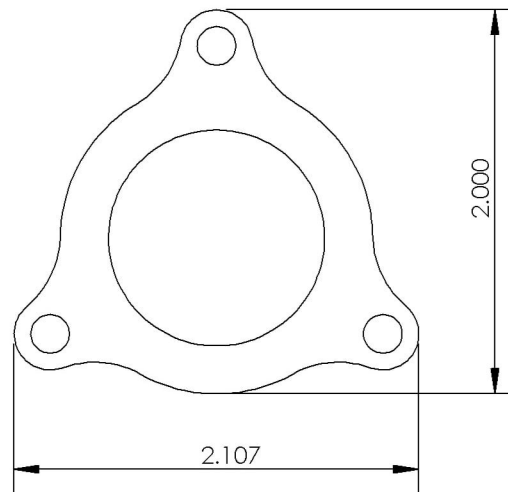
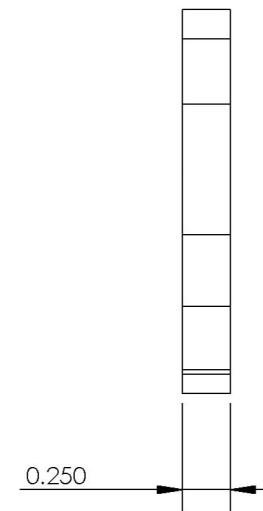
PRINTED ON 2026-01-29

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC



AS SHOWN: 2
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.035	BSP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P313.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Intake Jackshaft Bearing Plate

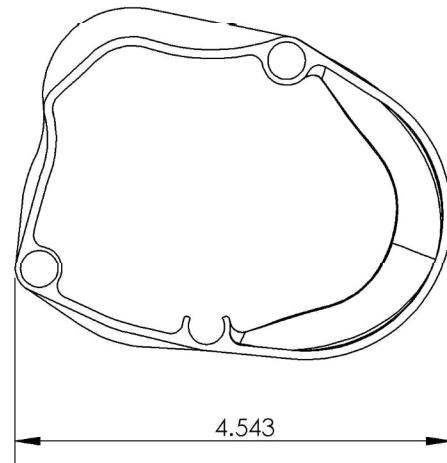
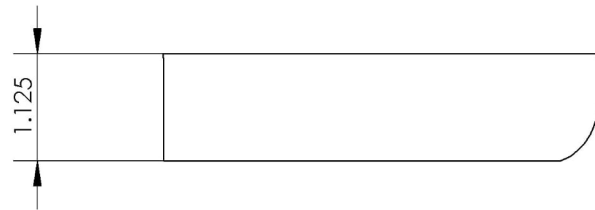
DWG. NO.

OPR26-P313

PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1



BUILD PLATE

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
ESun EPA-CF		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.030	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P314.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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**INTAKE PIVOT GEARBOX
COVER**

DWG. NO.

OPR26-P314

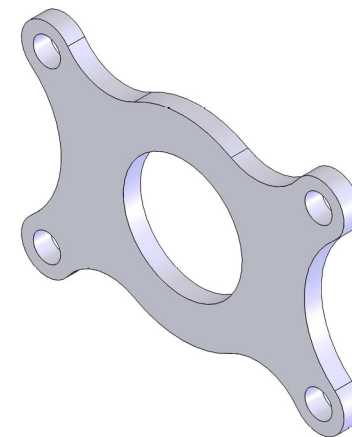
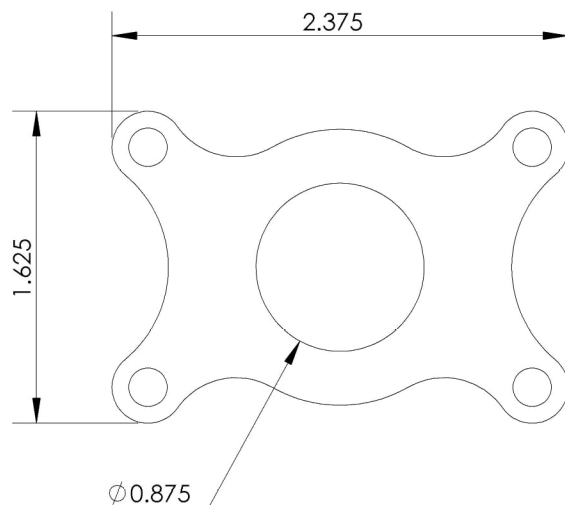
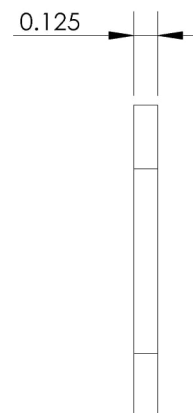
PRINTED ON 2026-01-30

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.125 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.025	BSP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P316.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Bushing Plate

DWG. NO.

OPR26-P316

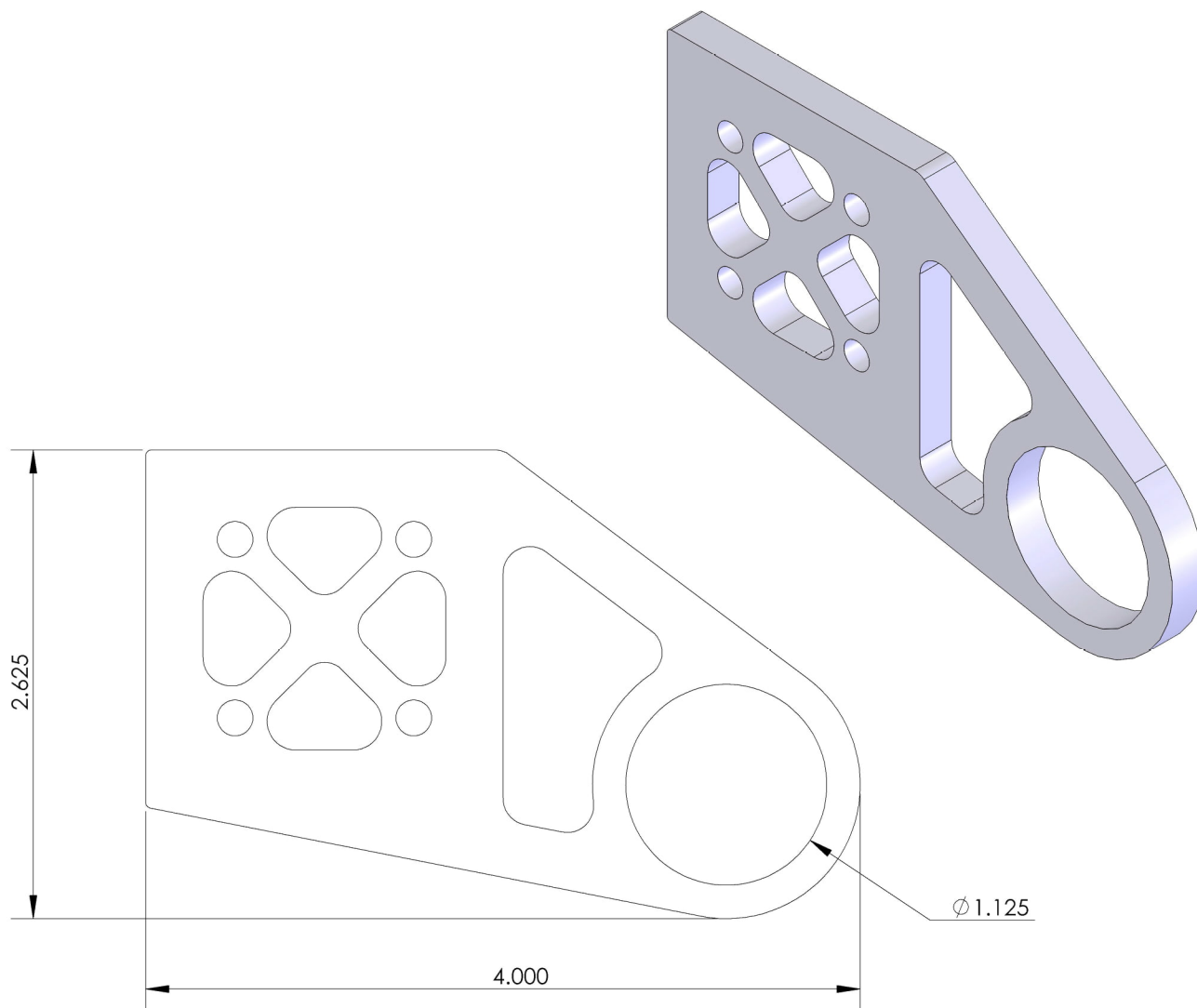
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 6
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.119	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P317.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Intake End Plates

DWG. NO.

OPR26-P317

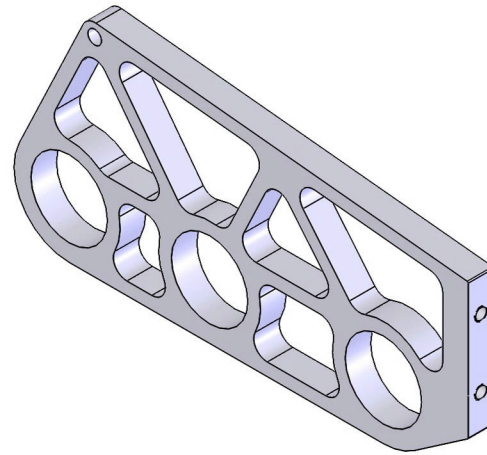
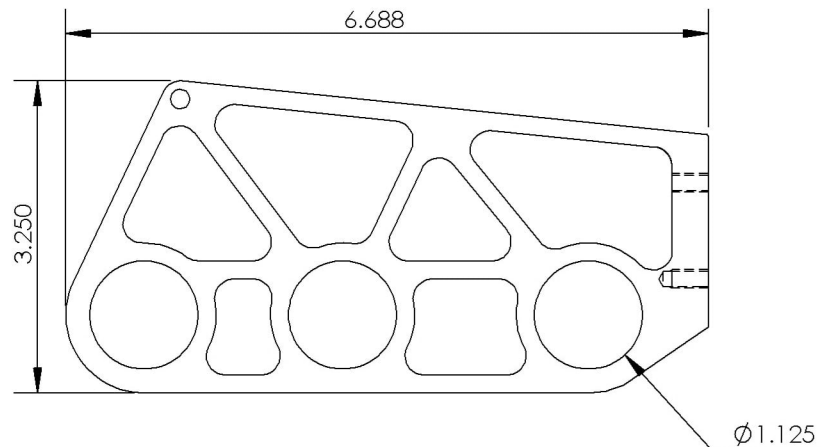
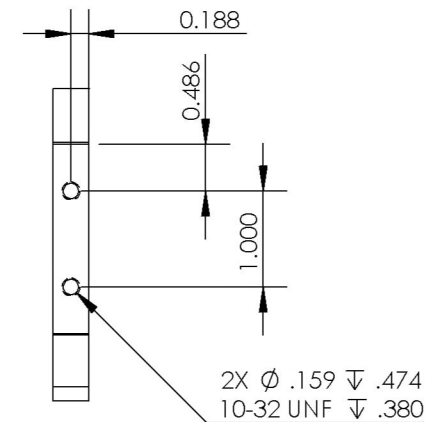
PRINTED ON 2026-01-26

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

CNC

AS SHOWN: 2
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.269	BSP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P319.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Intake Idler Side Plate

DWG. NO.

OPR26-P319

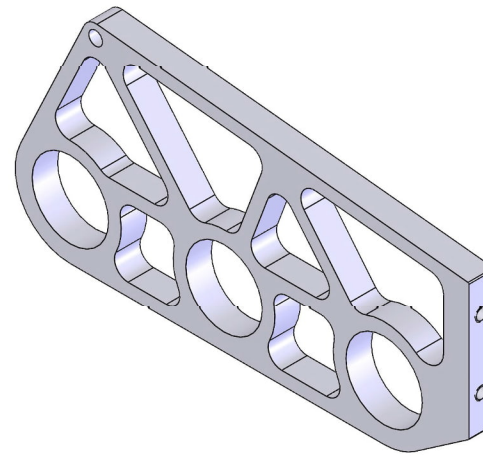
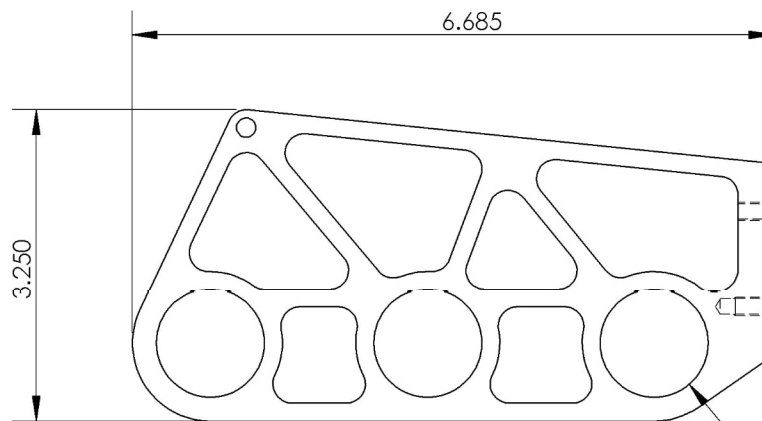
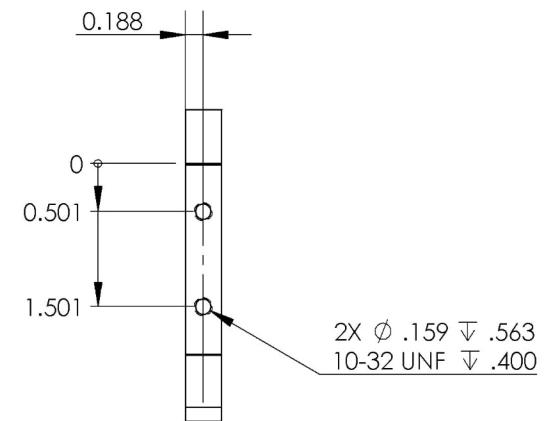
PRINTED ON 2026-01-26

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

CNC



Ø1.125 $\begin{smallmatrix} +0.001 \\ 0.000 \end{smallmatrix}$

AS SHOWN: 2
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.270	BSP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P319-R1.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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Intake Idler Side Plate

DWG. NO.

OPR26-P319-R1

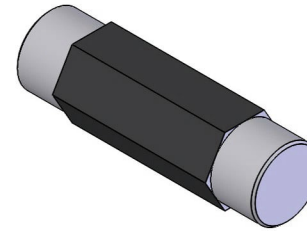
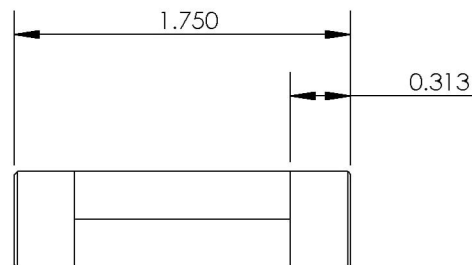
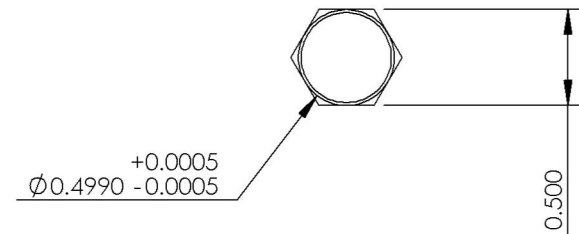
PRINTED ON 2026-02-10

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

LATHE



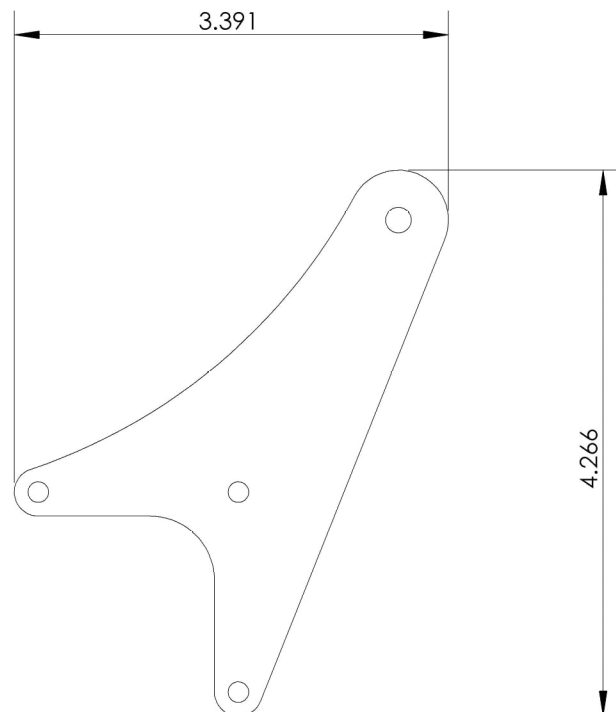
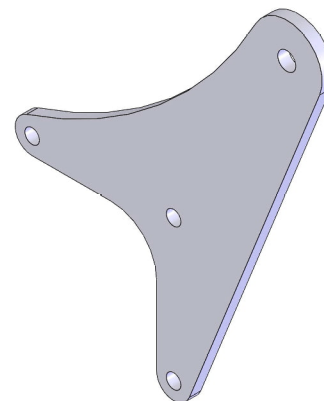
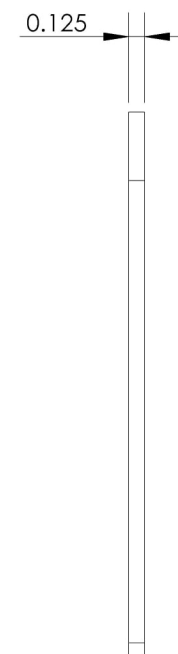
AS SHOWN: 3
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>Intake Intermediate Shaft</div>	
7075-T6 0.500" Hex Bar 1.750" Long		PRIMARY UNITS	INCHES		
Finish		NO BURRS OR SHARP EDGES			
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS		<div>DWG. NO.</div> <div>OPR26-P321</div>	
0.037	BSP	2 DECIMAL PLACES			
		3 DECIMAL PLACES			
		FLAT PATTERNS			
Dimensions per OPR26-P321.sldprt or .step		ANGULAR DEGREES		<div>PRINTED ON 2026-01-26</div> <div>SCALE: 1:1</div> <div>SHEET 1 OF 1</div>	
		BENDS			

PROCESS:

CNC



AS SHOWN: 4
OPPOSITE:

Material

0.125 6061-T6 Sheet

Finish

No Coating, Machine Deburr

Weight

0.059

Drawn By

BP

Dimensions per
OPR26-P324.sldprt or .step

UNLESS OTHERWISE SPECIFIED

PRIMARY UNITS INCHES

NO BURRS OR SHARP EDGES

TOLERANCES

FRACTIONS $\pm 1/32"$
 2 DECIMAL PLACES $\pm .010"$
 3 DECIMAL PLACES $\pm .003"$
 FLAT PATTERNS $\pm .005"$
 ANGULAR DEGREES $\pm 0.5^\circ$
 BENDS $\pm 0.010"$

OP Robotics

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INTAKE SIDE ROLLER PLATE

DWG. NO.

OPR26-P324

PRINTED ON 2/7/2026

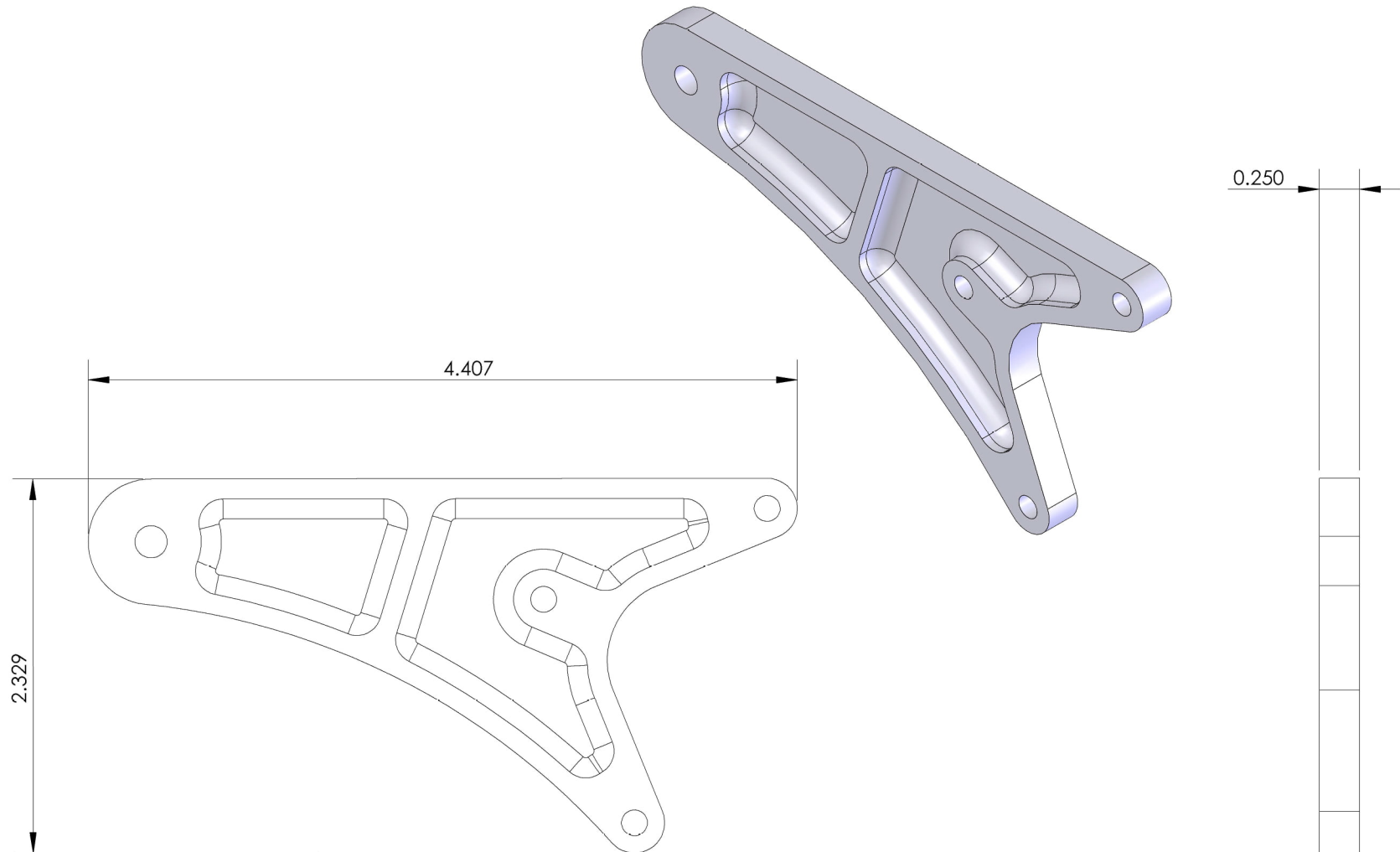
SCALE: 2:3

SHEET 1 OF 1



PROCESS:

CNC



AS SHOWN: 1
OPPOSITE: 1



Material		UNLESS OTHERWISE SPECIFIED	
0.250 6061-T6 Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
No Coating, Machine Deburr		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.071	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P324-R1.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

OP Robotics

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INTAKE SIDE ROLLER PLATE

DWG. NO.

OPR26-P324-R1

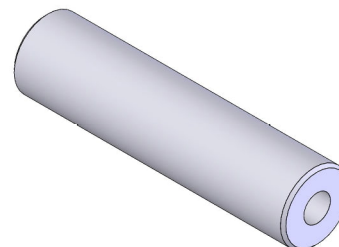
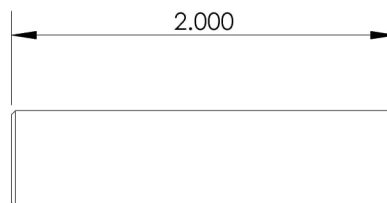
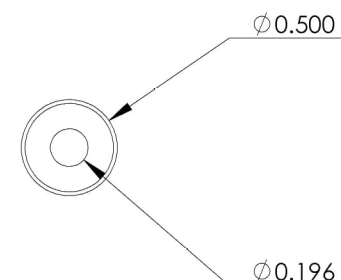
PRINTED ON 2/11/2026

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

LATHE

AS SHOWN: 5
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
0.500" Tube Axle Stock 2.000" Long		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.032	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P325.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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INTAKE WALL ROLLER SHAFT

DWG. NO.

OPR26-P325

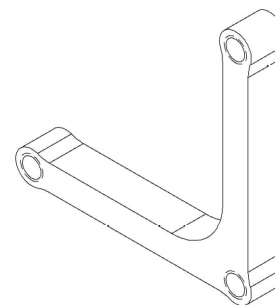
PRINTED ON 2/7/2026

SCALE: 1:1

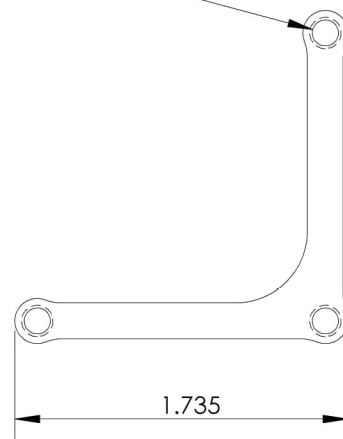
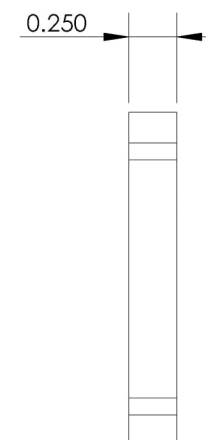
SHEET 1 OF 1

PROCESS:

CNC



3X ϕ .136 THRU ALL
8-32 UNC THRU ALL



AS SHOWN: 2
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.015	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P331.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

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NUT PLATE

DWG. NO.

OPR26-P331

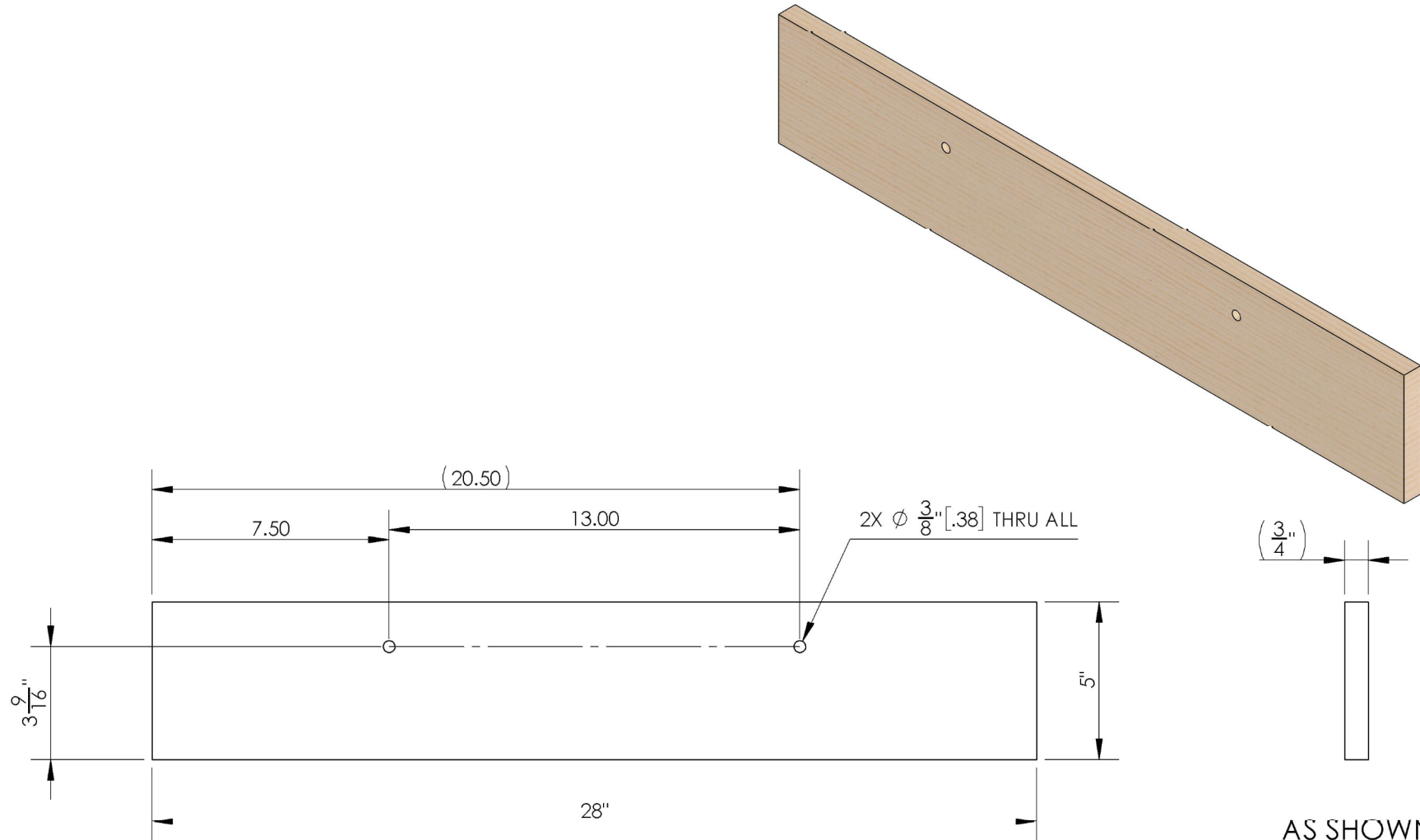
PRINTED ON 2/11/2026

SCALE: 1:1

SHEET 1 OF 1

PROCESS:

BUMPER

AS SHOWN: 6
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
3/4" Plywood Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
2.272	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P800.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Side Bumper Backing

DWG. NO.

OPR26-P800

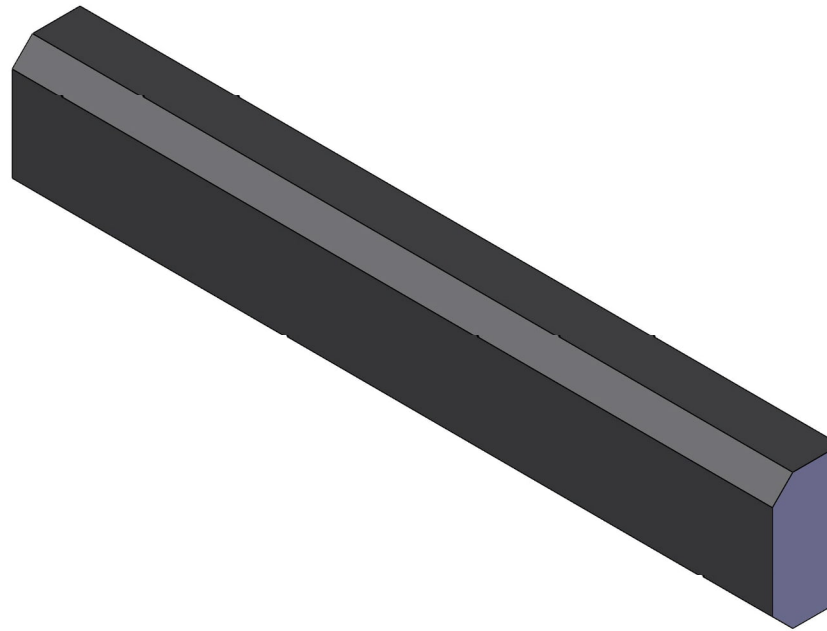
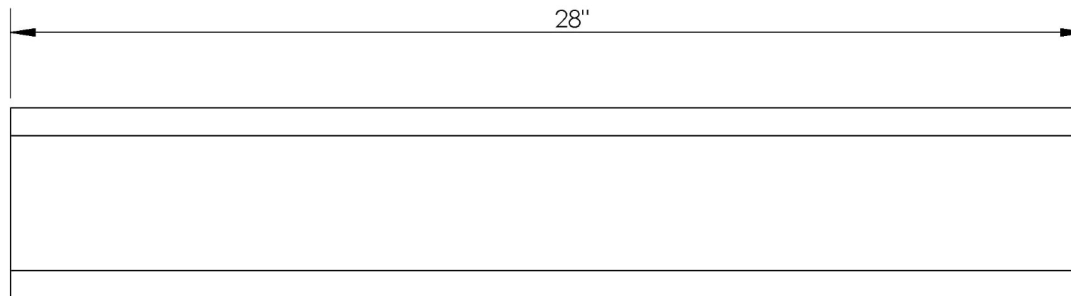
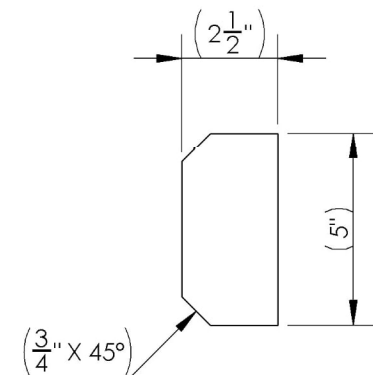
PRINTED ON 2026-01-27

SCALE: 1:5

SHEET 1 OF 1

PROCESS:

WCP

AS SHOWN: 6
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
XLPE Bumper Foam		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.581	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P801.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

OP Robotics

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Side Bumper Foam (WCP-2498)

DWG. NO.

OPR26-P801

PRINTED ON 2026-01-27

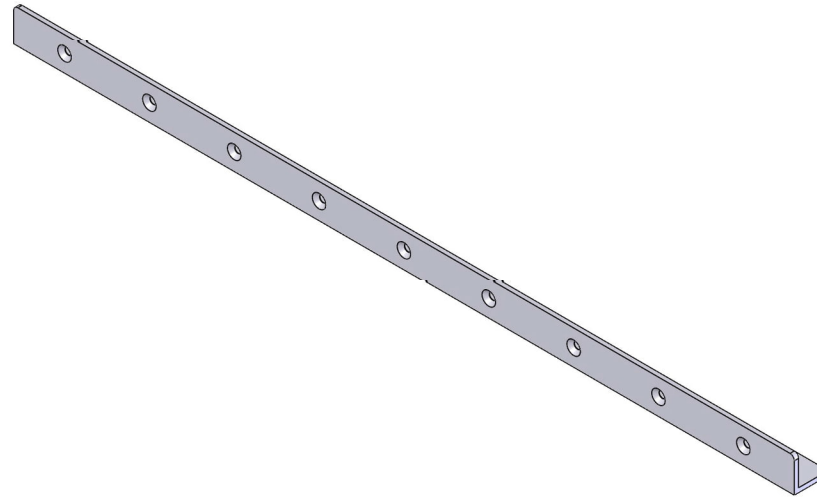
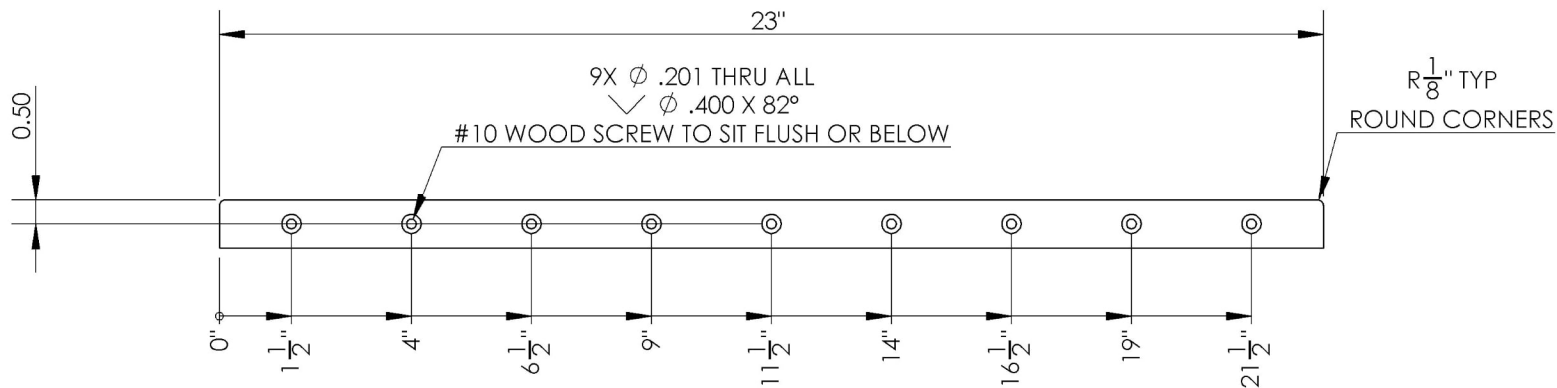
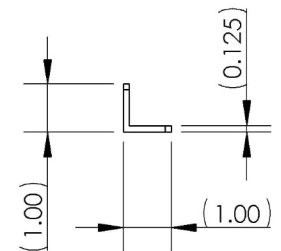
SCALE: 1:5

SHEET 1 OF 1

EXACT HOLE PATTERN NOT IMPORTANT ANY BUMPER ANGLE WITH THE SAME LENGTH WILL SUFFICE

PROCESS:

MILL



AS SHOWN: 6
 OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED	
6061-T6 L Channel 1.00 x 1.00 x 0.125 wall		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32$ "
0.518	BP	2 DECIMAL PLACES	$\pm .010$ "
Dimensions per OPR26-P802.sldprt or .step		3 DECIMAL PLACES	$\pm .003$ "
		FLAT PATTERNS	$\pm .005$ "
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	± 0.010 "

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Bumper Reinforcing Channel

DWG. NO.

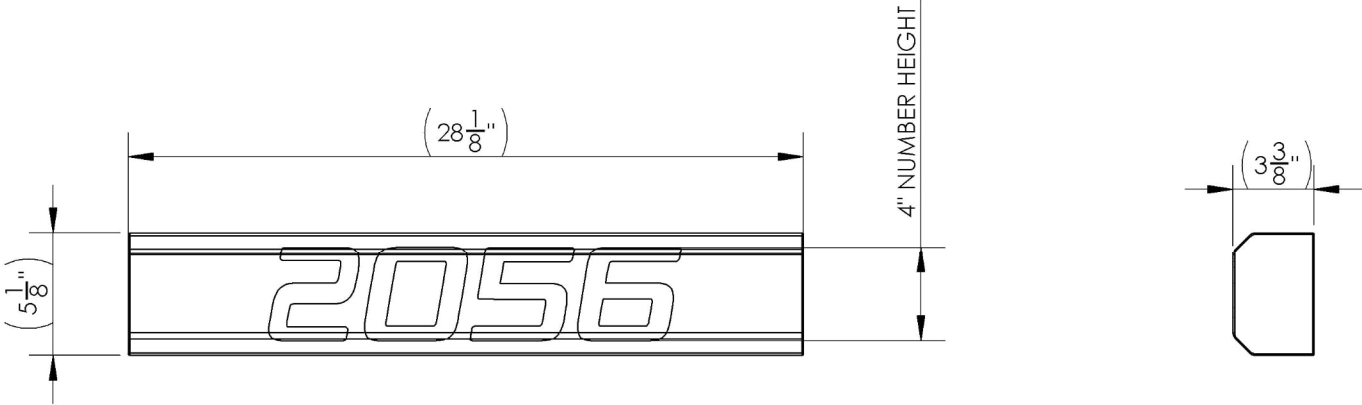
OPR26-P802

PRINTED ON 2026-01-27

SCALE: 1:4

SHEET 1 OF 1

Qty	Colour	DRAWING FOR REFERENCE	PROCESS:	BUMPER
2	BLUE			
2	RED			
2	ANY FOR PRACTICE			



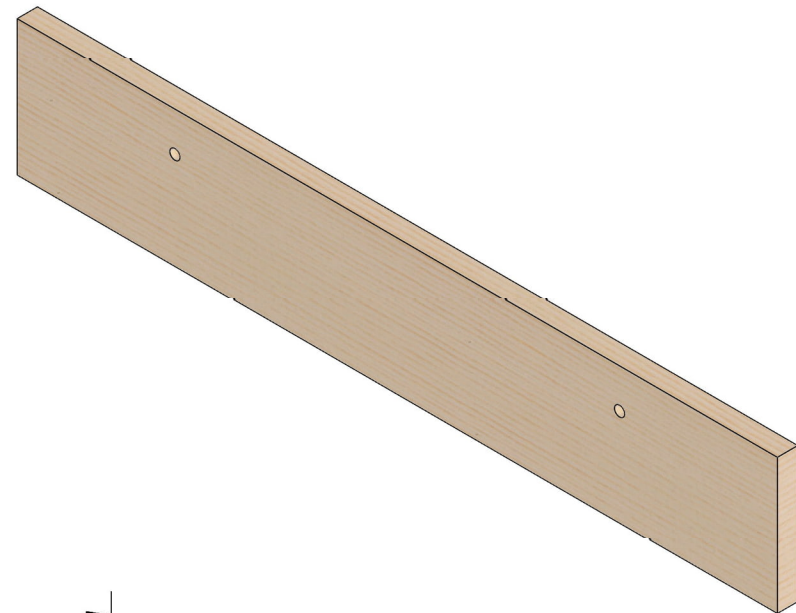
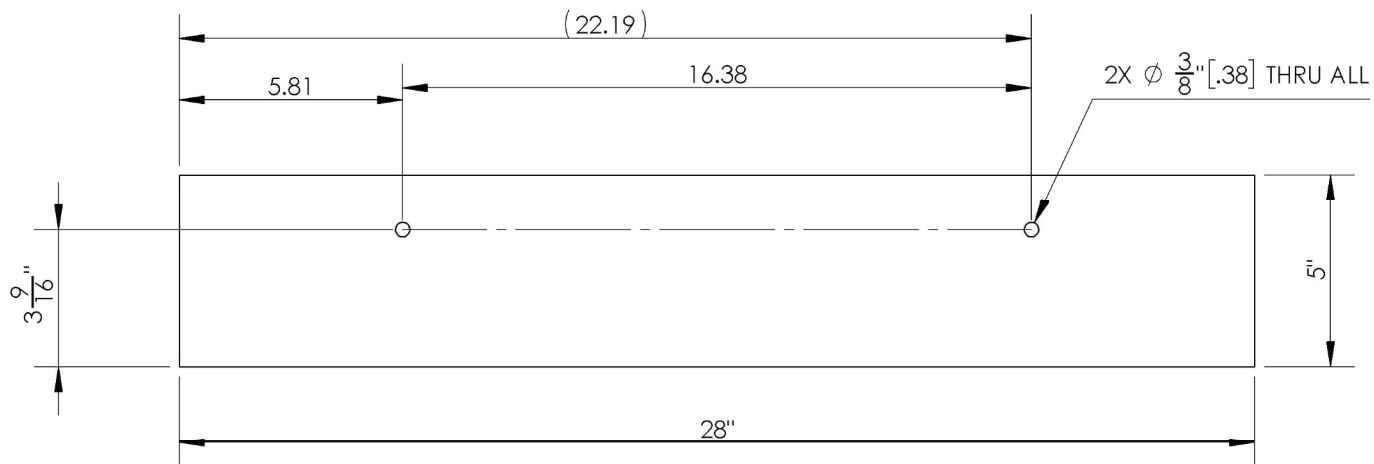
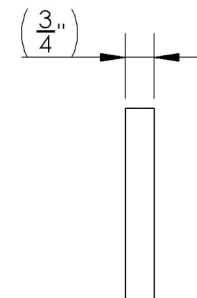
AS SHOWN: 6
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>Side Bumper Fabric</div>		
Codura Fabric		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES				
Silk Screen Team Number		TOLERANCES				
Weight	Drawn By	FRACTIONS		<div>DWG. NO.</div> <div>OPR26-P803</div>		
0.852	BP	2 DECIMAL PLACES ± 1/32"				
		3 DECIMAL PLACES ± .010"				
		FLAT PATTERNS ± .003"				
Dimensions per OPR26-P803.sldprt or .step		ANGULAR DEGREES ± .005"		<div>PRINTED ON 2026-01-27</div> <div>SCALE: 1:8</div> <div>SHEET 1 OF 1</div>		
		BENDS ± 0.5° ± 0.010"				

PROCESS:

BUMPER

AS SHOWN: 3
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
3/4" Plywood Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
2.272	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P810.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

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Rear Bumper Backing

DWG. NO.

OPR26-P810

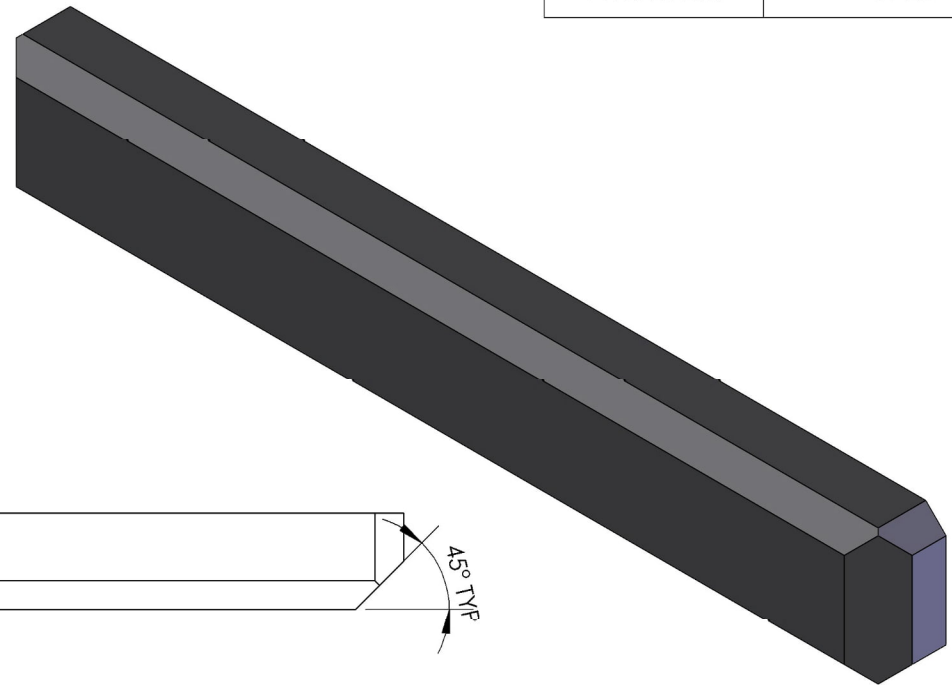
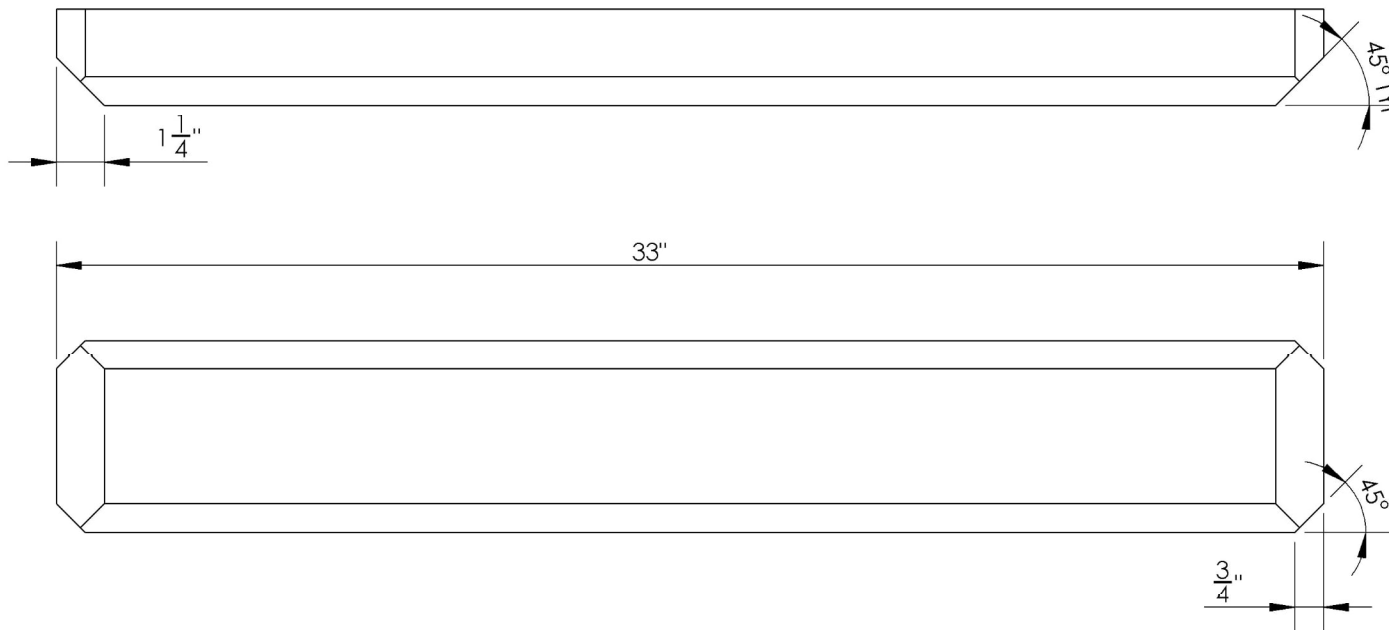
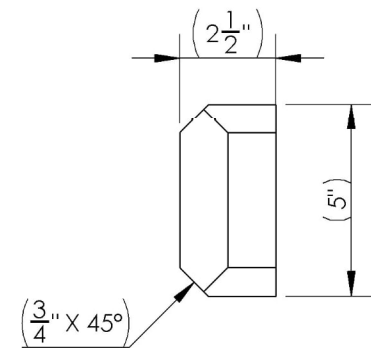
PRINTED ON 2026-01-27

SCALE: 1:5

SHEET 1 OF 1

PROCESS:

WCP

AS SHOWN: 3
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
XLPE Bumper Foam		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.670	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P811.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Long Bumper Foam (WCP-2498)

DWG. NO.

OPR26-P811

PRINTED ON 2026-01-27

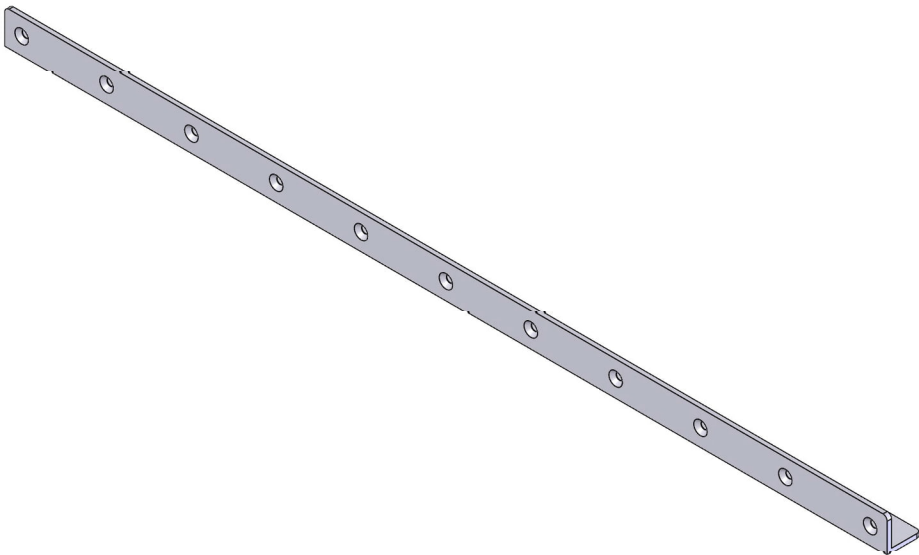
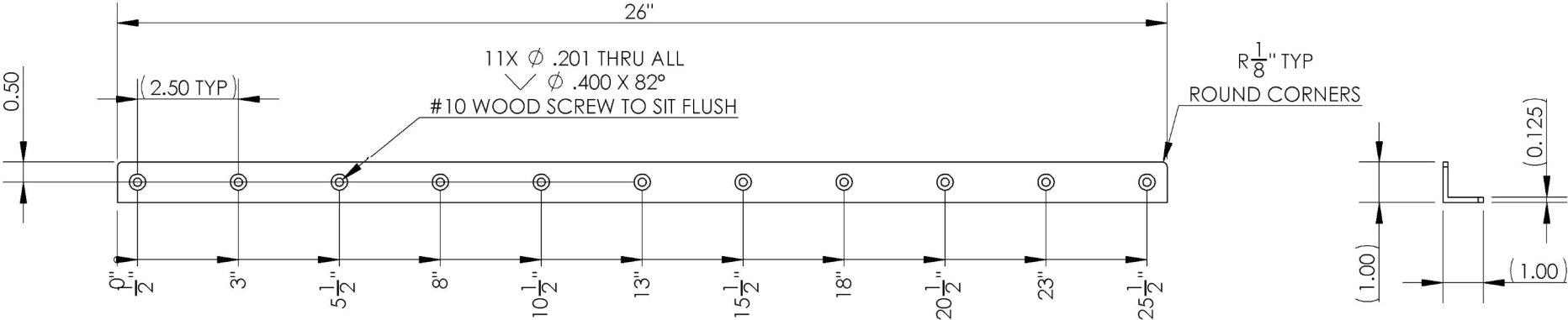
SCALE: 1:5

SHEET 1 OF 1

EXACT HOLE PATTERN NOT IMPORTANT ANY BUMPER ANGLE WITH THE SAME LENGTH WILL SUFFICE

PROCESS:

MILL



AS SHOWN: 3
OPPOSITE:



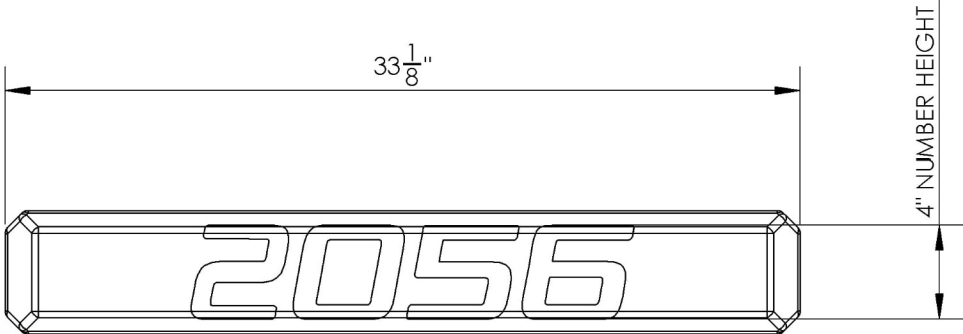
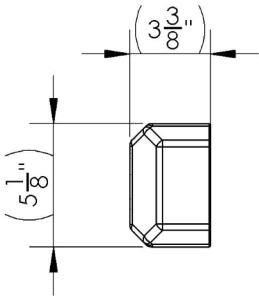
Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
6061-T6 L Channel 1.00 x 1.00 x 0.125 wall		PRIMARY UNITS INCHES				
Finish		NO BURRS OR SHARP EDGES		Bumper Reinforcing Channel		
NO FINISH		TOLERANCES				
Weight	Drawn By	FRACTIONS ± 1/32"		DWG. NO. OPR26-P812		
0.585		2 DECIMAL PLACES ±.010"				
Dimensions per OPR26-P812.sldprt or .step		3 DECIMAL PLACES ±.003"		PRINTED ON 2026-01-27 SCALE: 1:4 SHEET 1 OF 1		
		FLAT PATTERNS ±.005"				
		ANGULAR DEGREES ±0.5°				
		BENDS ±0.010"				

Qty	Colour
1	BLUE
1	RED
1	ANY FOR PRACTICE

DRAWING FOR REFERENCE

PROCESS:

BUMPER



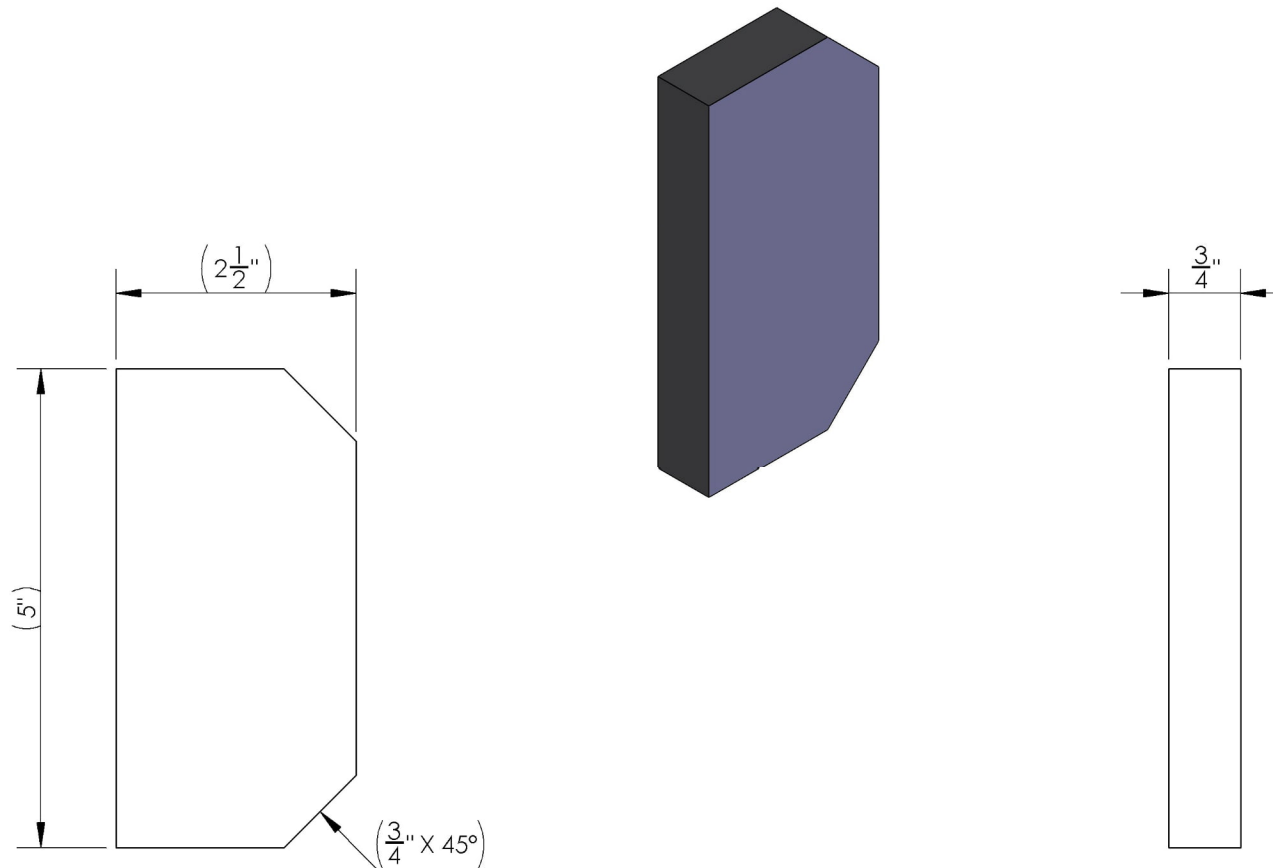
AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
Codura Fabric		PRIMARY UNITS INCHES				
Finish		NO BURRS OR SHARP EDGES		Rear Bumper Fabric		
Silk Screen Team Number		TOLERANCES				
Weight	Drawn By	FRACTIONS ± 1/32"		DWG. NO. OPR26-P813		
0.984		2 DECIMAL PLACES ±.010"				
Dimensions per OPR26-P813.sldprt or .step		3 DECIMAL PLACES ±.003"		PRINTED ON 2026-01-27 SCALE: 1:8 SHEET 1 OF 1		
		FLAT PATTERNS ±.005"				
		ANGULAR DEGREES ±0.5°				
		BENDS ±0.010"				

PROCESS:

WCP

AS SHOWN: 12
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
XLPE Bumper Foam		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	$\pm 1/32"$
0.016	BP	2 DECIMAL PLACES	$\pm .010"$
Dimensions per OPR26-P814.sldprt or .step		3 DECIMAL PLACES	$\pm .003"$
		FLAT PATTERNS	$\pm .005"$
		ANGULAR DEGREES	$\pm 0.5^\circ$
		BENDS	$\pm 0.010"$

OP Robotics

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Corner Bumper Foam

DWG. NO.

OPR26-P814

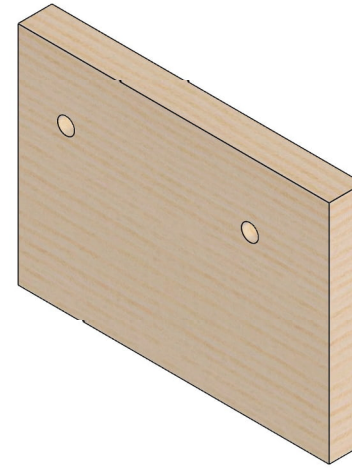
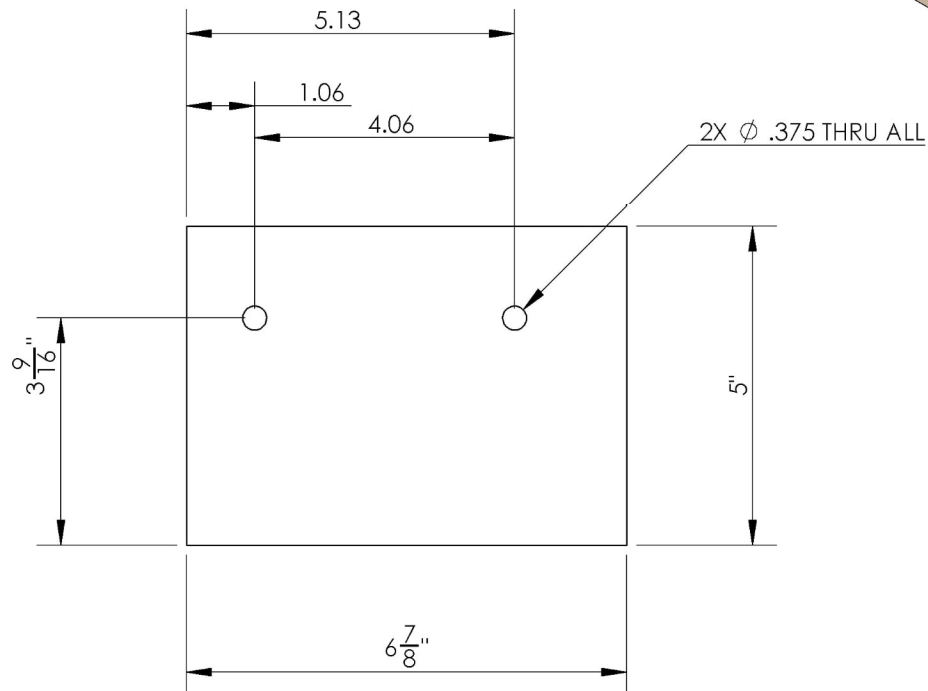
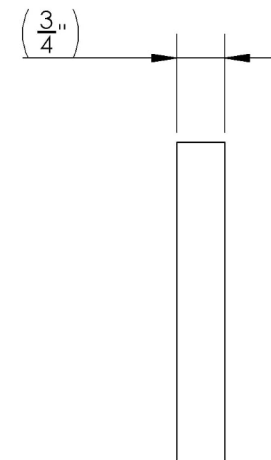
PRINTED ON 2026-01-27

SCALE: 1:2

SHEET 1 OF 1

PROCESS:

BUMPER

AS SHOWN: 6
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
3/4" Plywood Sheet		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.555	BP	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P820.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

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Front Bumper Backing

DWG. NO.

OPR26-P820

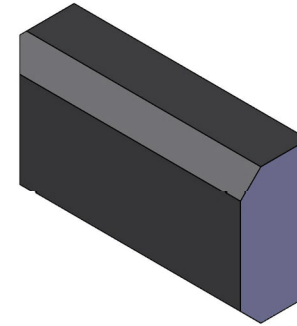
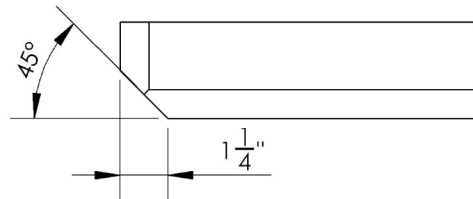
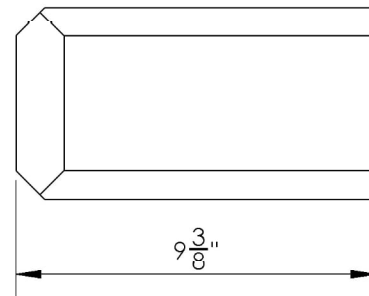
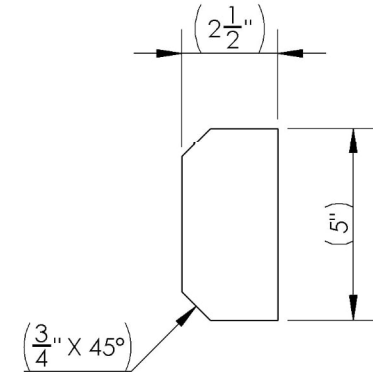
PRINTED ON 2026-01-27

SCALE: 1:3

SHEET 1 OF 1

PROCESS:

WCP

AS SHOWN: 6
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
XLPE Bumper Foam		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	± 1/32"
0.187	BP	2 DECIMAL PLACES	± .010"
Dimensions per OPR26-P821.sldprt or .step		3 DECIMAL PLACES	± .003"
		FLAT PATTERNS	± .005"
		ANGULAR DEGREES	± 0.5°
		BENDS	± 0.010"

OP Robotics

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Front Short Bumper Foam (WCP-2498)

DWG. NO.

OPR26-P821

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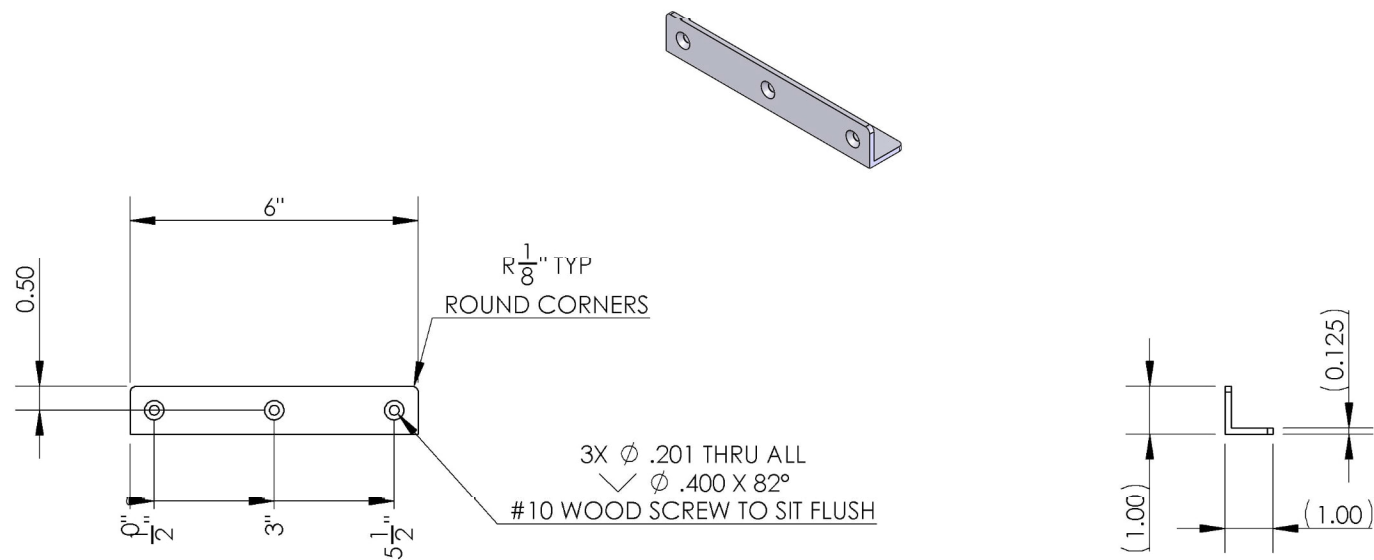
SCALE: 1:5

SHEET 1 OF 1

EXACT HOLE PATTERN NOT IMPORTANT ANY BUMPER ANGLE WITH THE SAME LENGTH WILL SUFFICE

PROCESS:

MILL

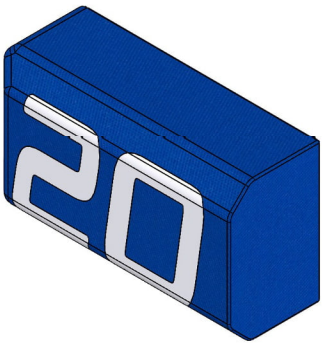
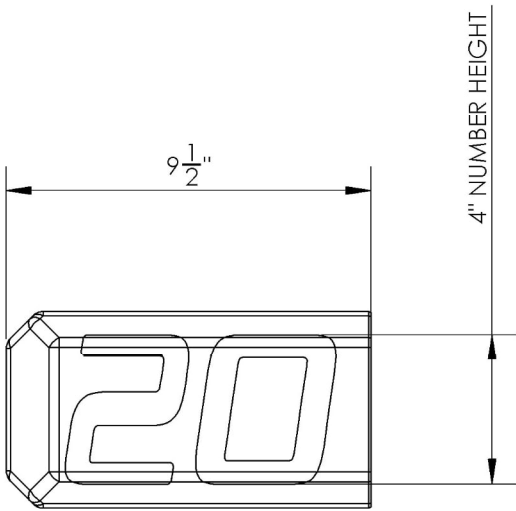
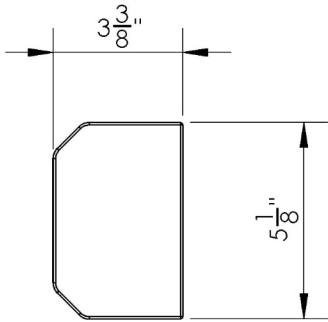


AS SHOWN: 6
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
6061-T6 L Channel 1.00 x 1.00 x 0.125 wall		PRIMARY UNITS INCHES			
Finish		NO BURRS OR SHARP EDGES		Bumper Reinforcing Channel	
NO FINISH		TOLERANCES			
Weight	Drawn By	FRACTIONS ± 1/32"		DWG. NO. OPR26-P822	
0.134		2 DECIMAL PLACES ±.010"			
Dimensions per OPR26-P822.sldprt or .step		3 DECIMAL PLACES ±.003"		PRINTED ON 2026-01-27	
		FLAT PATTERNS ±.005"			
		ANGULAR DEGREES ± 0.5 °			
		BENDS ±0.010"		SCALE: 1:4	
				SHEET 1 OF 1	

Qty	Colour	DRAWING FOR REFERENCE	PROCESS:	BUMPER
1	BLUE			
1	RED			
1	ANY FOR PRACTICE			

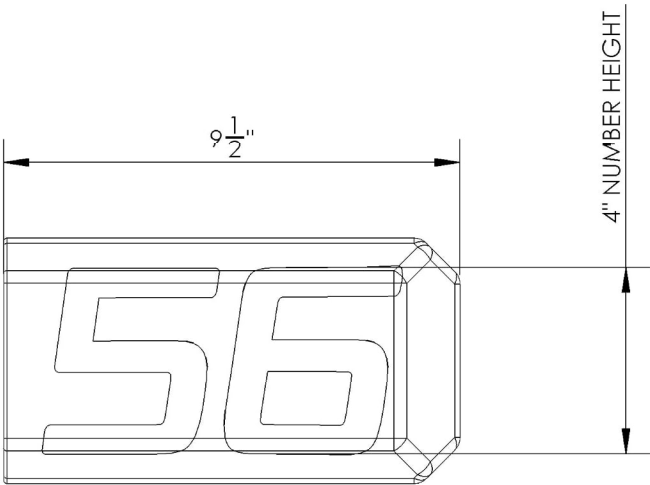
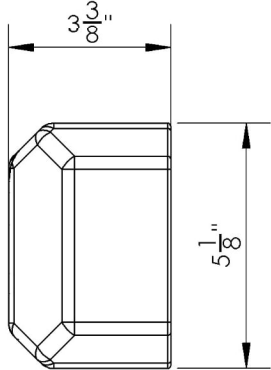


AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div> <div>Front Bumper Fabric 20</div>		
Codura Fabric		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES				
Silk Screen Team Number		TOLERANCES				
Weight	Drawn By	FRACTIONS		<div>DWG. NO.</div> <div>OPR26-P823</div>		
0.335		2 DECIMAL PLACES				
Dimensions per OPR26-P823.sldprt or .step		3 DECIMAL PLACES				
		FLAT PATTERNS				
		ANGULAR DEGREES		<div>PRINTED ON 2026-01-27</div> <div>SCALE: 1:5</div> <div>SHEET 1 OF 1</div>		
		BENDS				

QTY	COLOUR	DRAWING FOR REFERENCE	PROCESS:	BUMPER
1	BLUE			
1	RED			
1	ANY COLOUR			



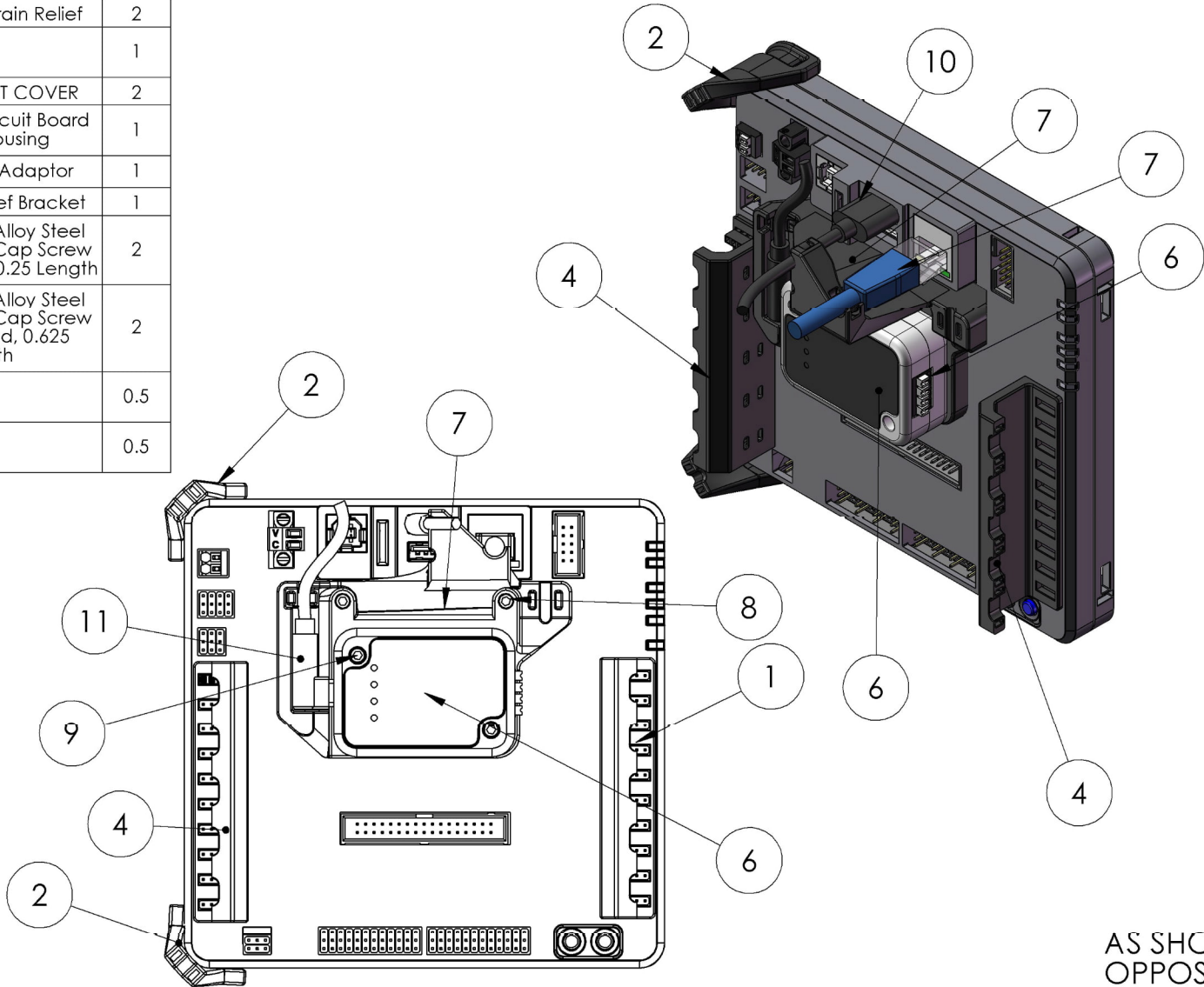
AS SHOWN: 3
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
Codura Fabric		PRIMARY UNITS	INCHES			
Finish		NO BURRS OR SHARP EDGES		Front Bumper Fabric 56		
Silk Screen Team Number		TOLERANCES				
Weight	Drawn By	FRACTIONS		DWG. NO.		
0.335		2 DECIMAL PLACES				
Dimensions per OPR26-P824.sldprt or .step		3 DECIMAL PLACES		OPR26-P824		
		FLAT PATTERNS				
		ANGULAR DEGREES				
		BENDS				
		± 1/32"		PRINTED ON 2026-01-27		
		± .010"		SCALE: 1:4		
		± .003"		SHEET 1 OF 1		
		± .005"				
		± 0.5°				
		± 0.010"				

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	roboRIO 2.0	NI roboRIO 2.0	1
2	OPRSTD-P913	Rio Corner Strain Relief	2
3	Straight RJ45 Connector		1
4	OPRSTD-P915	RIO DIO PORT COVER	2
5	8192N13	Amphenol Circuit Board Sleeve Housing	1
6	CANivore	USB to CAN Adaptor	1
7	OPRSTD-P025-R1	Rio Strain Relief Bracket	1
8	91251A106	Black-Oxide Alloy Steel Socket Head Cap Screw #4-40 Thread, 0.25 Length	2
9	91251A112	Black-Oxide Alloy Steel Socket Head Cap Screw #4-40 Thread, 0.625 Length	2
10	USB A to USB C Right Angle		0.5
11	USB A to USB C Right Angle		0.5

PROCESS:	ELECTRICAL
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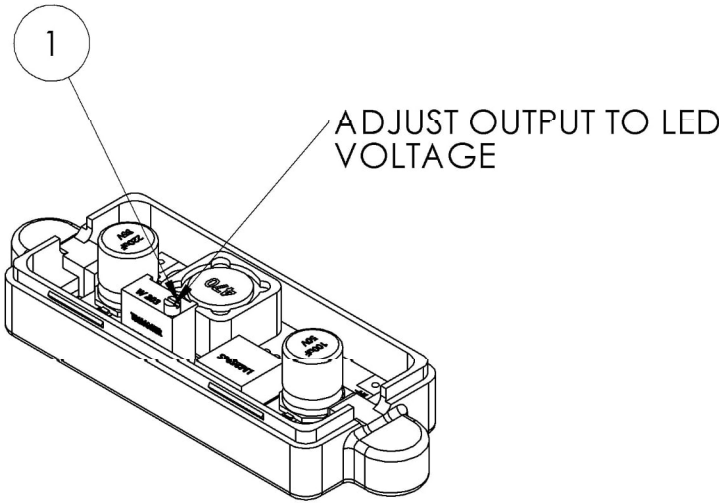
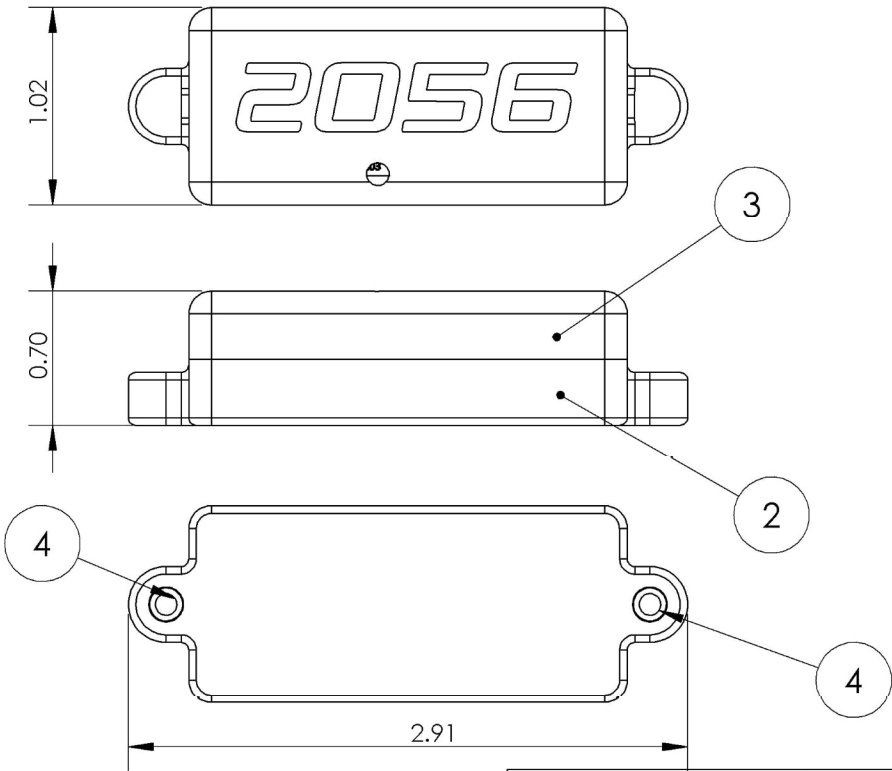


AS SHOWN:
OPPOSITE:



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
ASSEMBLY		PRIMARY UNITS INCHES				
Finish		NO BURRS OR SHARP EDGES		RIO + CANIVORE ASSEMBLY		
NO FINISH		TOLERANCES				
Weight	Drawn By		FRACTIONS ± 1/32" 2 DECIMAL PLACES ± .010" 3 DECIMAL PLACES ± .003" FLAT PATTERNS ± .005" ANGULAR DEGREES ± 0.5 ° BENDS ± 0.010"		DWG. NO. OPRSTD-A03-R2	
0.896	BP					
Dimensions per OPRSTD-A03-R2.sldprt or .step						
				PRINTED ON 2026-01-29 SCALE: 1:2 SHEET 1 OF 1		

	PART NUMBER	DESCRIPTION	QTY.
1	LM2596 DC to DC Buck Converter 3 A	DC Buck Converter	1
2	OPRSTD-P150	Voltage Regulator Base	1
3	OPRSTD-P151	Voltage Regulator Cover	1
4	97164A107	4-40 Thread Size, 0.135" Installed Length, 0.152 Max Hole Dia Tapered Heat-Set Inserts	2



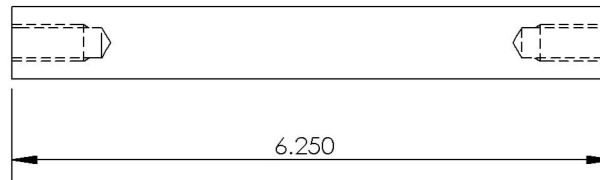
AS SHOWN: 2
OPPOSITE:



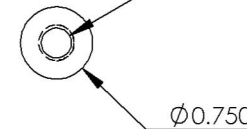
Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>		
ASSEMBLY		PRIMARY UNITS INCHES				
Finish		NO BURRS OR SHARP EDGES		Voltage Regulator		
NO FINISH		TOLERANCES				
Weight	Drawn By	FRACTIONS ± 1/32"		DWG. NO. OPRSTD-A10		
0.023		2 DECIMAL PLACES ± .010"				
Dimensions per OPRSTD-A10.sldprt or .step		3 DECIMAL PLACES ± .003"		PRINTED ON 2026-01-30 SCALE: 1:1 SHEET 1 OF 1		
		FLAT PATTERNS ± .005"				
		ANGULAR DEGREES ± 0.5°				
		BENDS ± 0.010"				

PROCESS:

LATHE



2X ϕ .313 ∇ .938
3/8-16 UNC ∇ .750



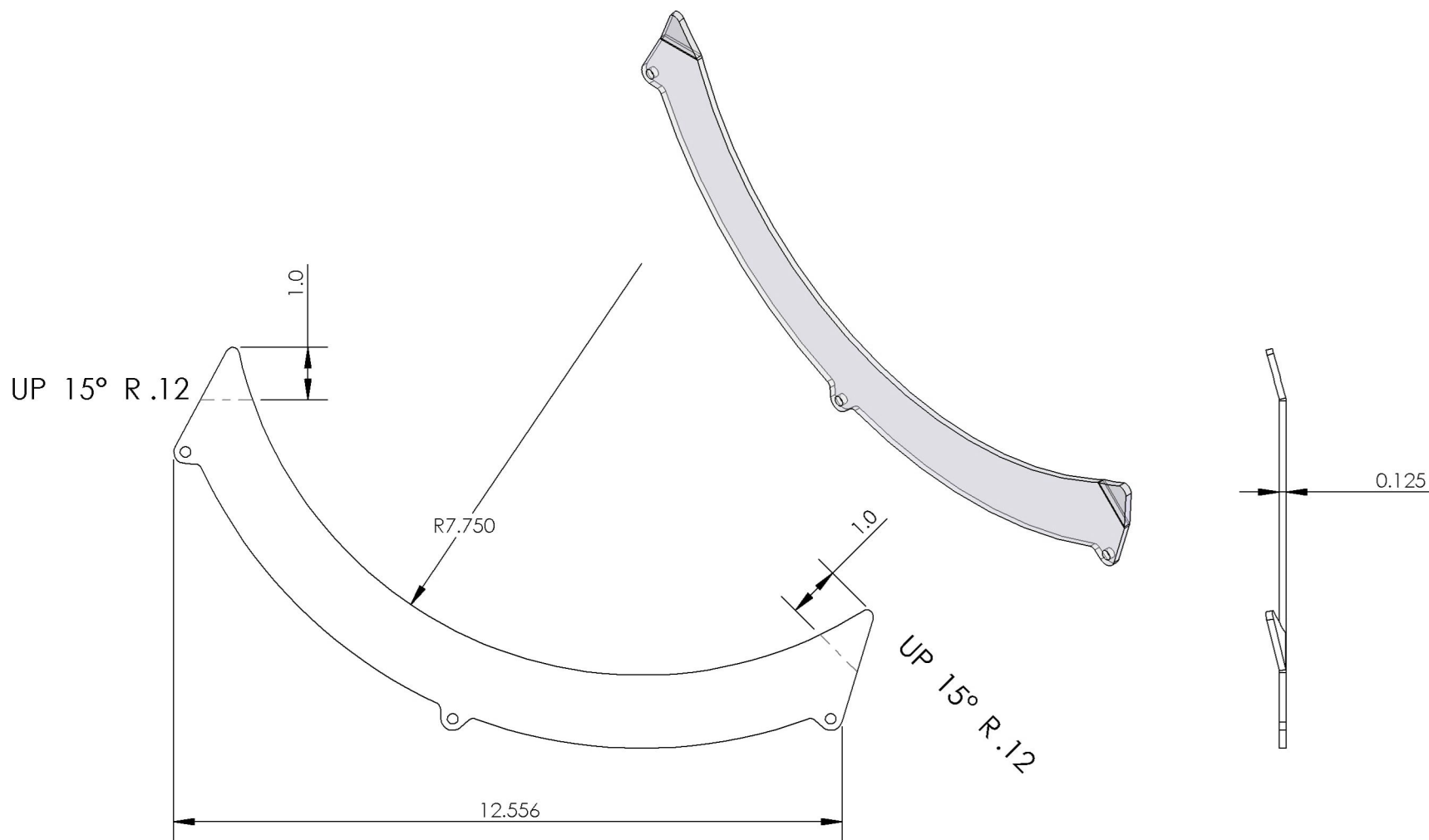
AS SHOWN: 5
OPPOSITE: 0



Material		UNLESS OTHERWISE SPECIFIED		<div>OP Robotics</div> <div>www.2056.ca</div>	
0.750" 6061-T6 Precision Ground Round Bar		PRIMARY UNITS	INCHES		
6.250" Long		NO BURRS OR SHARP EDGES		Intake Pivot Shaft	
Finish		TOLERANCES			
ANODIZED		FRACTIONS ±1/32" 2 DECIMAL PLACES ±.010" 3 DECIMAL PLACES ±.003" FLAT PATTERNS ±.005" ANGULAR DEGREES ±0.5° BENDS ±0.010"		DWG. NO.	
Weight	Drawn By			OPR26-P315	
0.255	BSP				
Dimensions per OPR26-P315.sldprt or .step					
				PRINTED ON 2026-01-26	

PROCESS:

Router

AS SHOWN:
OPPOSITE:

Material		UNLESS OTHERWISE SPECIFIED	
Lexan		PRIMARY UNITS	INCHES
Finish		NO BURRS OR SHARP EDGES	
NO FINISH		TOLERANCES	
Weight	Drawn By	FRACTIONS	±1/32"
0.115	TH	2 DECIMAL PLACES	±.010"
Dimensions per OPR26-P147.sldprt or .step		3 DECIMAL PLACES	±.003"
		FLAT PATTERNS	±.005"
		ANGULAR DEGREES	±0.5°
		BENDS	±0.010"

OP Robotics

www.2056.ca

Cable Chain Hold Down Guide

DWG. NO.

OPR26-P147

PRINTED ON 11/02/2026

SCALE: 1:3

SHEET 1 OF 1