

2

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BEGIN FRONT END SECTION

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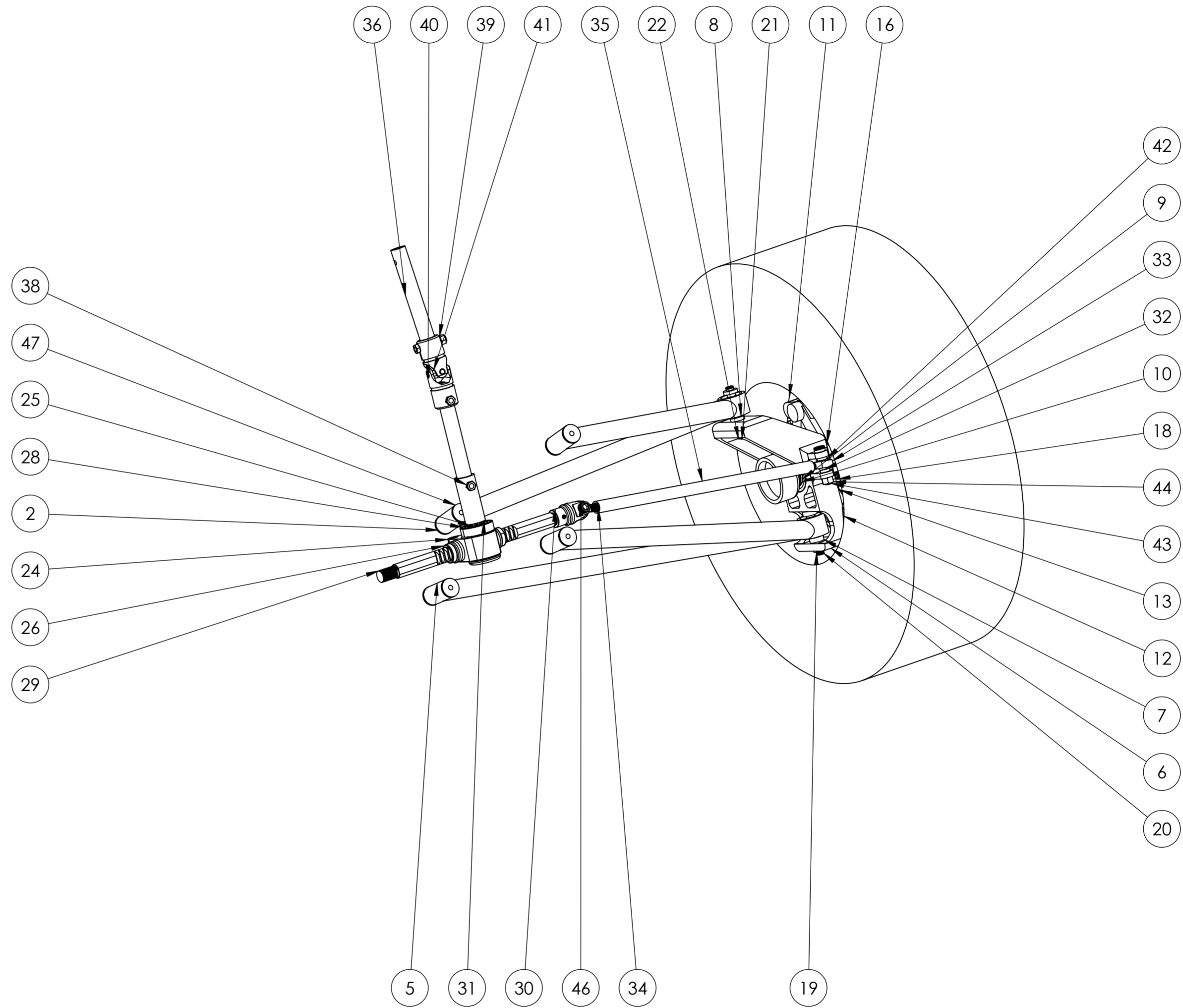
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			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Front Master Drawing File		
SIZE A	DWG. NO. Front Master Drawing File	REV 1.0
SCALE: 1:2	WEIGHT:	SHEET 1 OF 24

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Frame Mounting Points Lotus		1
2	UCA Shark		1
3	63195K36	Swivel Joint	2
4	63195K36	Swivel Joint	2
5	LCA Shark		1
6	Driver Knuckle 2.3	6061-T6 Aluminum	1
7	63195K36	Swivel Joint	2
8	63195K36	Swivel Joint	2
9	6661K89	Ball Bearing, 30mm shaft, 55mm od, 13mm Width	2
10	CV Axle End	Husky 305 CV Axle End	1
11	wheel		1
12	Brake Rotor Front (1)		1
13	Hub V2.4		1
14	Hub Spacer		1
15	Hub Spline		1
16	Brake Caliper HBS		1
17	91294A284	Black-Oxide Alloy Steel Hex Drive Flat Head Screw	2
18	91864A061	Black-Oxide Alloy Steel Socket Head Screw	4
19	LCA Spacer		1
20	90807A119	Same-Size Thread Alloy Steel Shoulder Screw	1
21	91273A157	Same-Size Thread 18-8 Stainless Steel Shoulder Screw	1
22	94895A110	High-Strength Steel Hex Nut	1
23	91268A268	High-Strength Grade 8 Steel Hex Head Screw	4
24	Pinion Assembly		1
25	Gear		1
26	Brass Bushing		2
27	Internal Bearing		2
28	Outside Bearing Face		1
29	Custom Rack		1
31	Rack to Steering Column		1
32	3x8 - 24 Rod End Ball		2
33	3x8-24 Rod End Housing		2
34	Threaded Insert	Aluminum insert	2
35	Tie Rod		1
36	Steering Column 2 and 3		2
37	Aluminum Insert		3
39	94528A117	Titanium Nylon-Insert Locknut	3
42	Tie Rod Spacer Knuckle		2
43	91273A225	Same-Size Thread 18-8 Stainless Steel Shoulder Screw	1
44	94895A145	High-Strength Steel Hex Nut	1
45	94895A145	High-Strength Steel Hex Nut	1
46	91251A426	Black-Oxide Alloy Steel Socket Head Screw	1
47	Delrin Bushing for Pivot Points		8



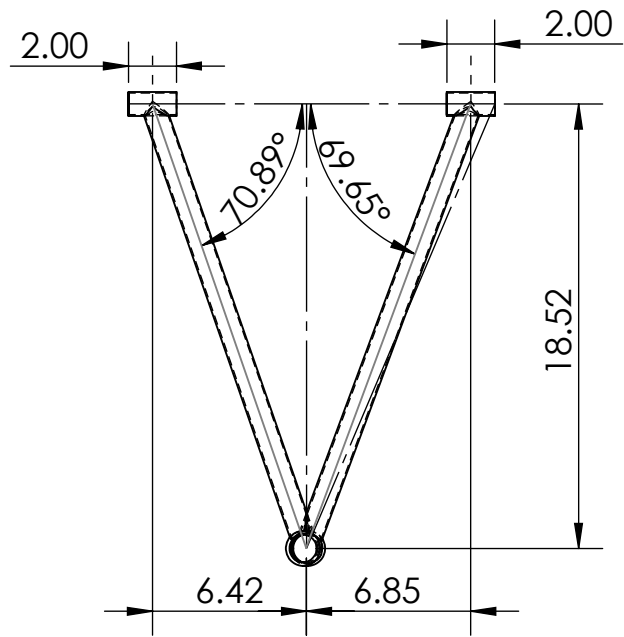
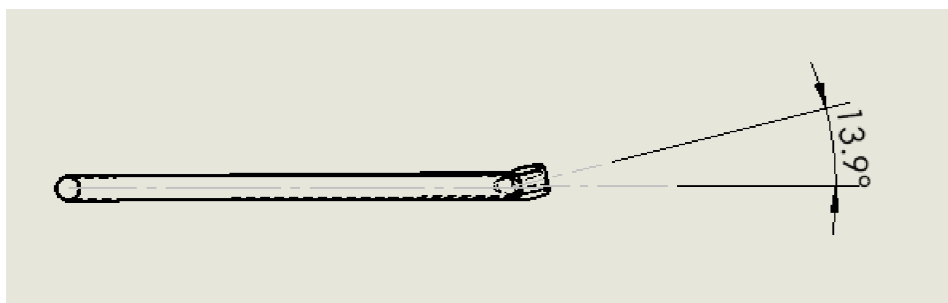
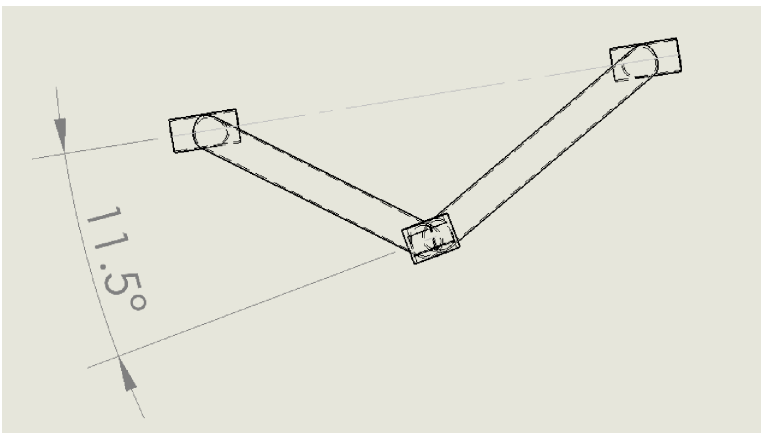
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SURFACE FINISH:				TOLERANCES:		LINEAR:		ANGULAR:		TITLE:	
DRAWN				NAME		SIGNATURE		DATE		Front Complete Assembly	
CHK'D										Front Master Drawing File	
APPV'D										A2	
MFG										DWG NO.	
Q.A.										SCALE:1:10	
										SHEET 2 OF 24	
										WEIGHT:	

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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4130 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Baja Driver's Lower Control Arm		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:8	WEIGHT:	SHEET 3 OF 24

2

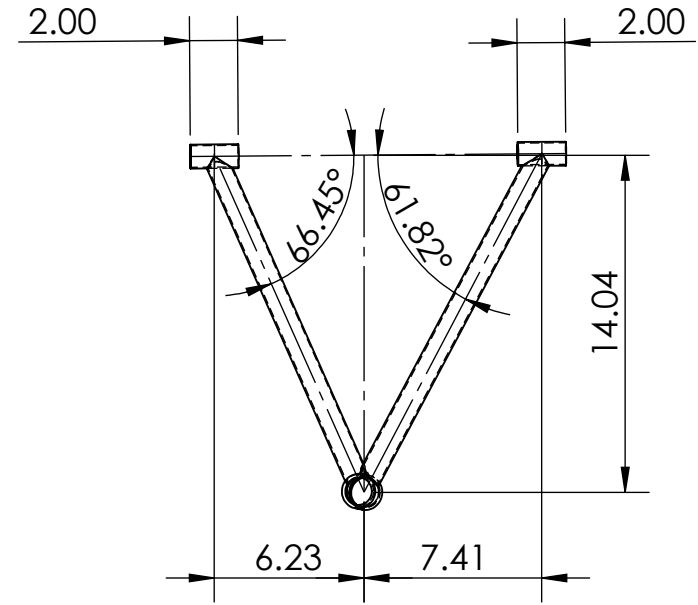
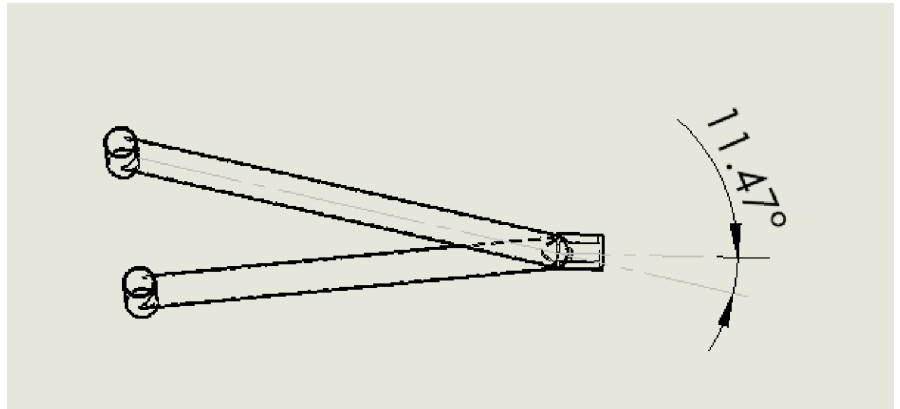
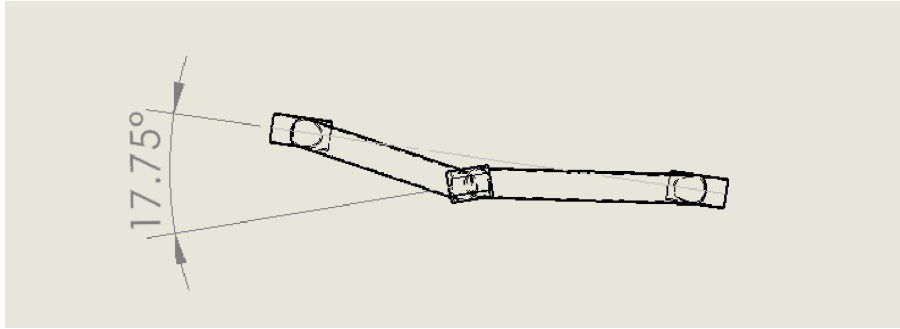
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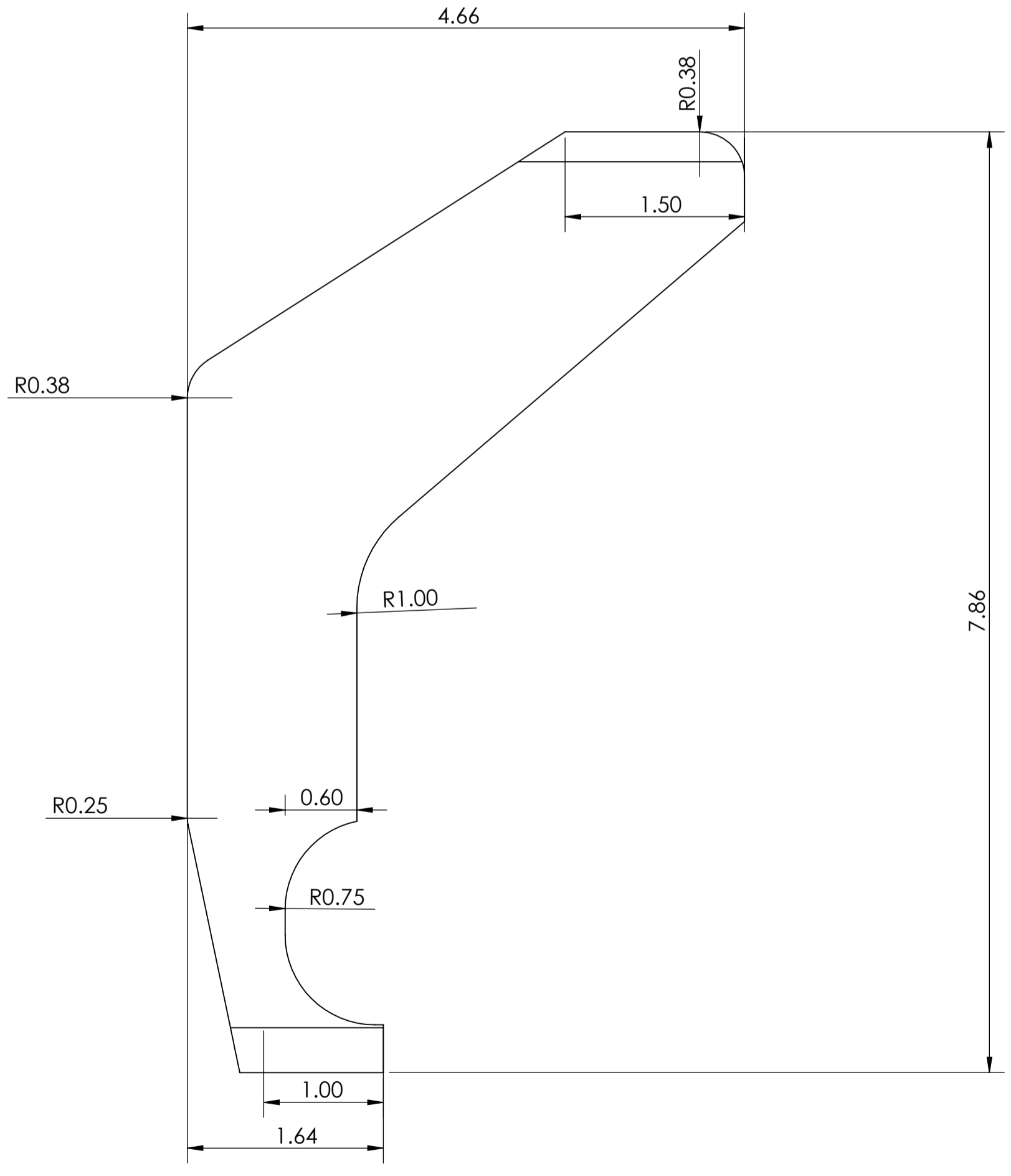
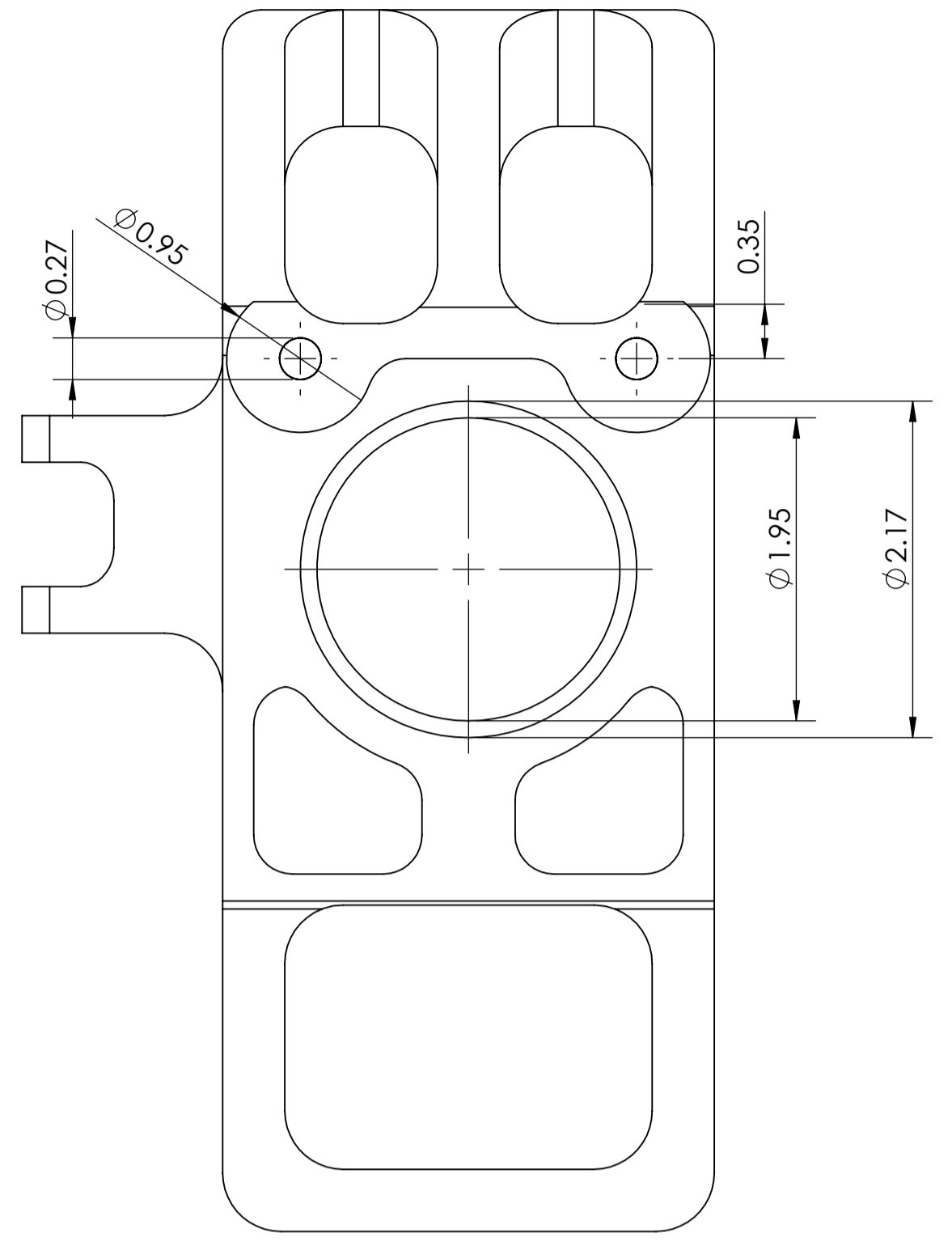
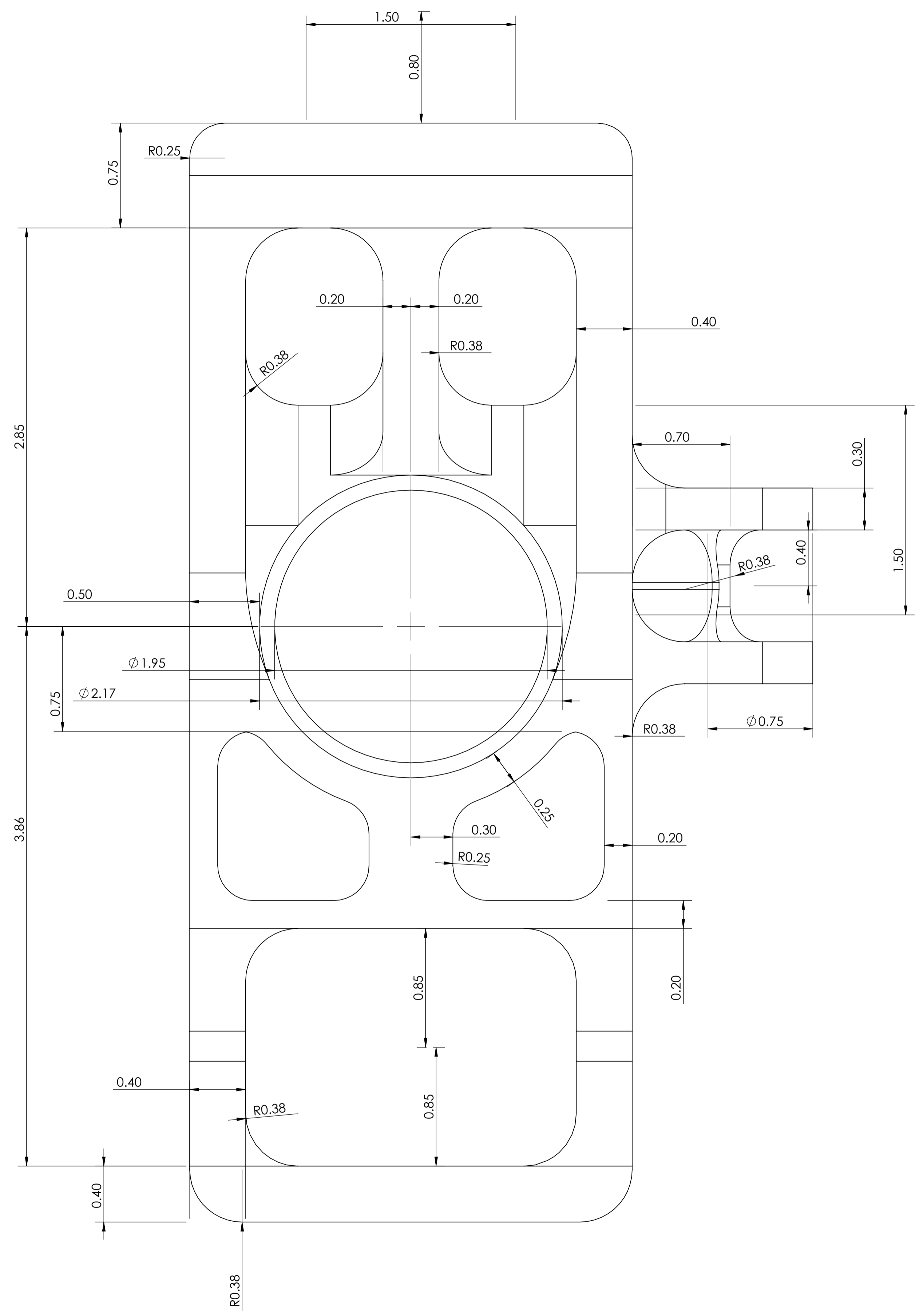
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4130 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Baja Driver's Upper Control Arm		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:8	WEIGHT:	SHEET 4 OF 24

2

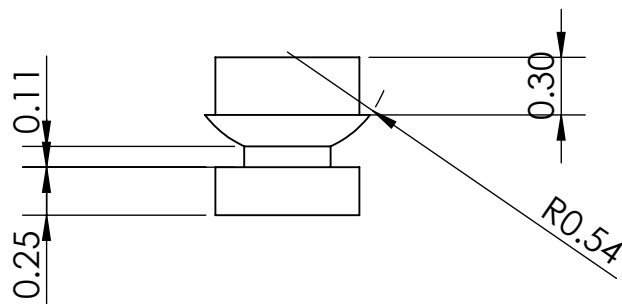
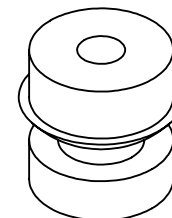
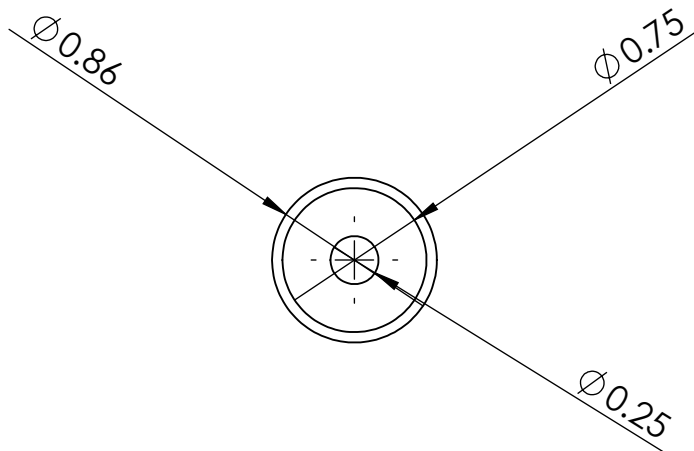
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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
NAME	SIGNATURE	DATE	TITLE:	
DRAWN:			Driver Knuckle Final	
CHECKED:				
APPROVED:				
MFG:				
Q.A.				A1
	MATERIAL:		DWG NO.	
	WEIGHT:		SCALE:1:1	SHEET 5 OF 24

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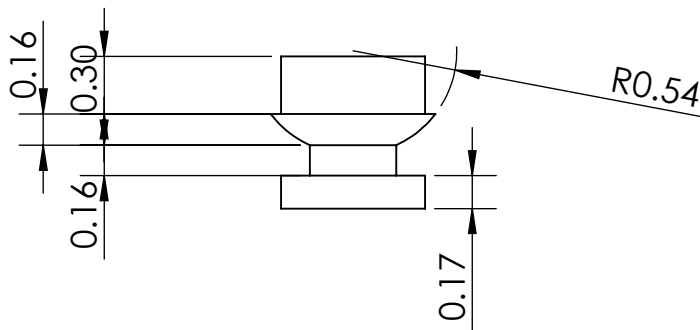
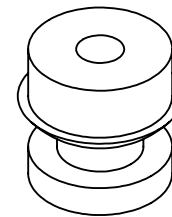
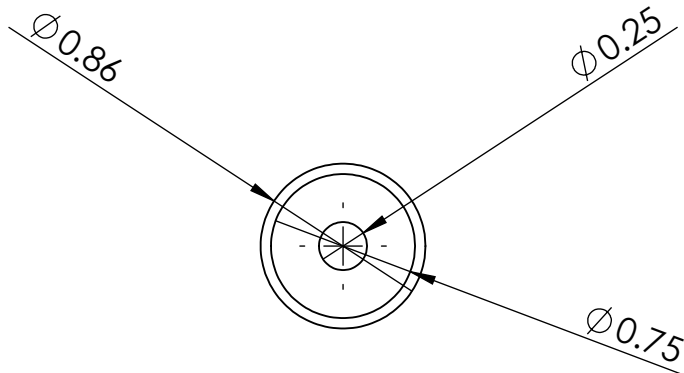
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		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>LCA Spacer</h1>		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:1	WEIGHT:	SHEET 6 OF 24

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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
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		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

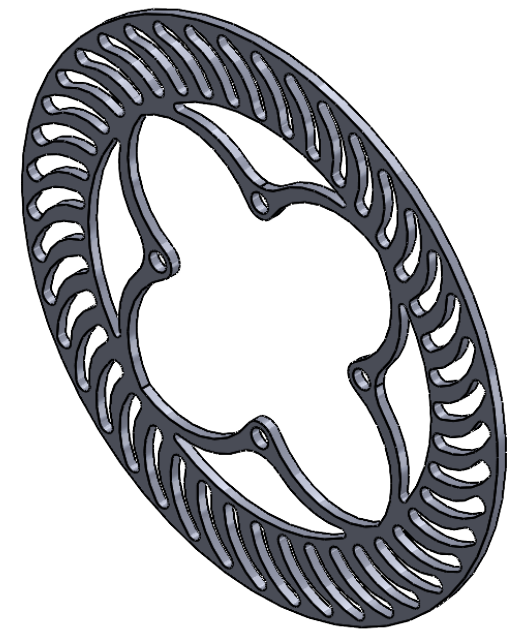
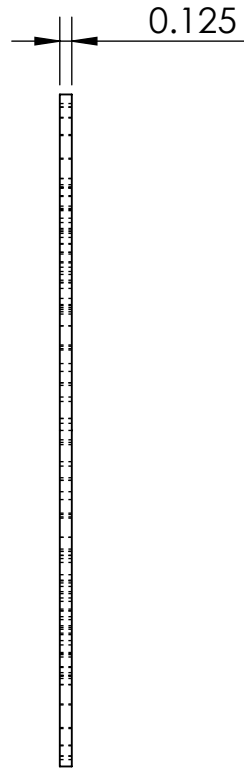
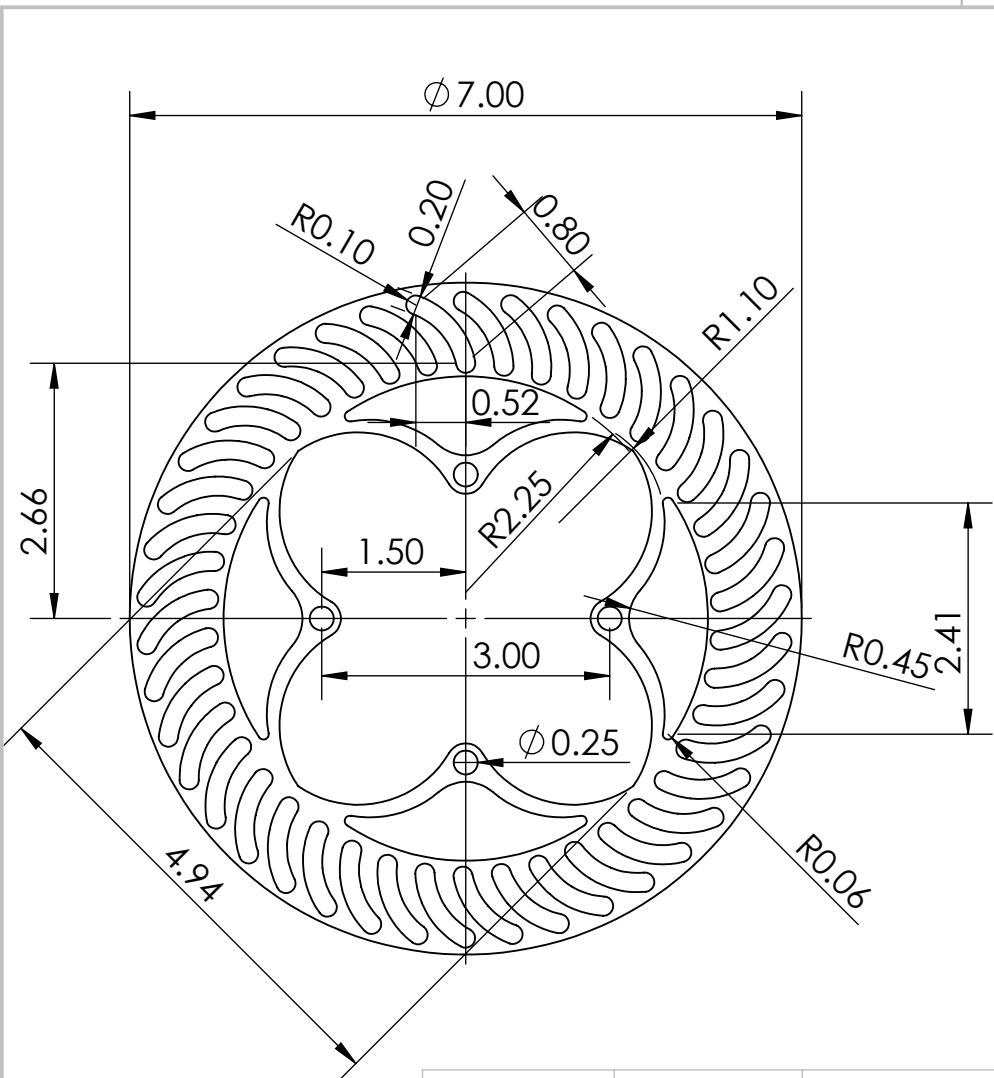
TITLE: UCA Spacer		
SIZE A	DWG. NO. Front Master Drawing File	REV 1.0
SCALE: 1:1	WEIGHT:	SHEET 7 OF 24

2

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NOTE: Slot is repeated 42 times around the diameter of the rotor

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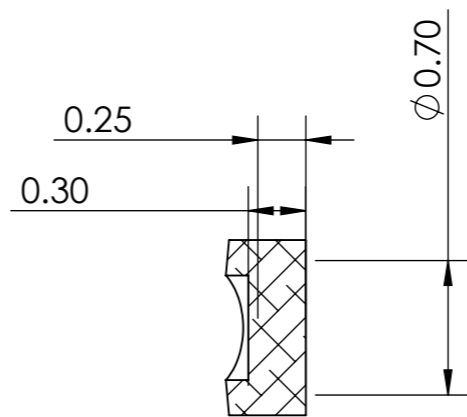
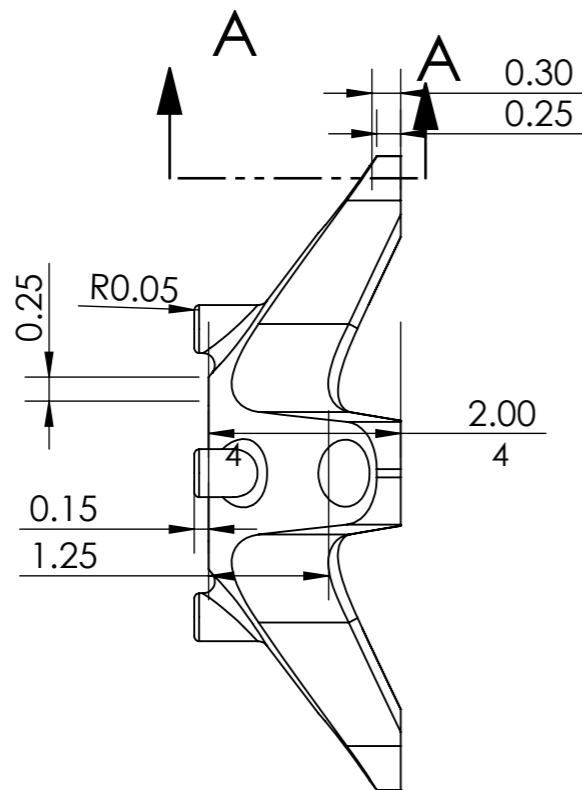
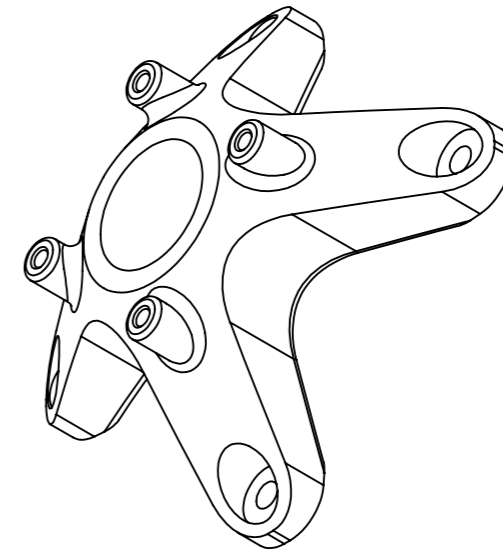
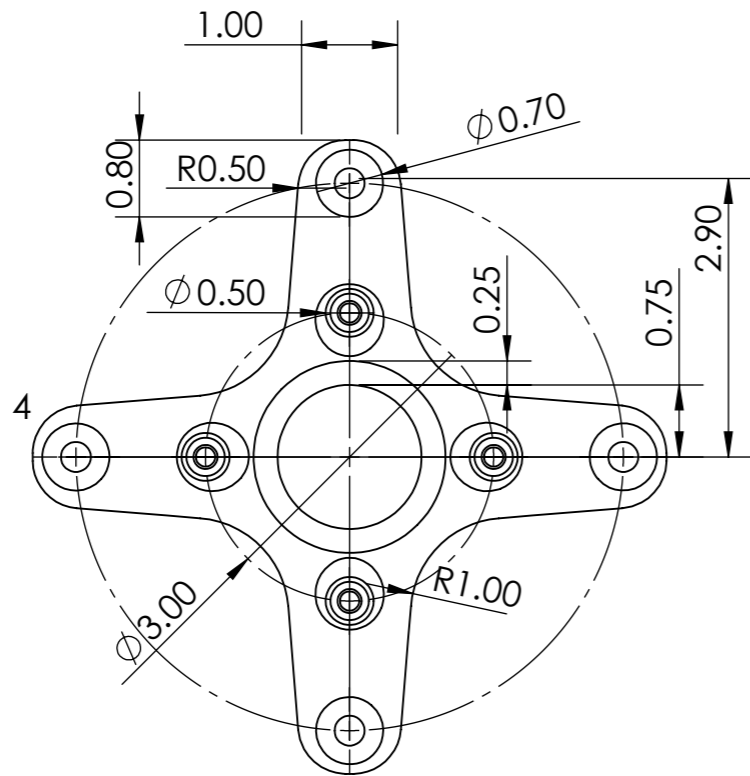
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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
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		MATERIAL			
		1020 Steel			
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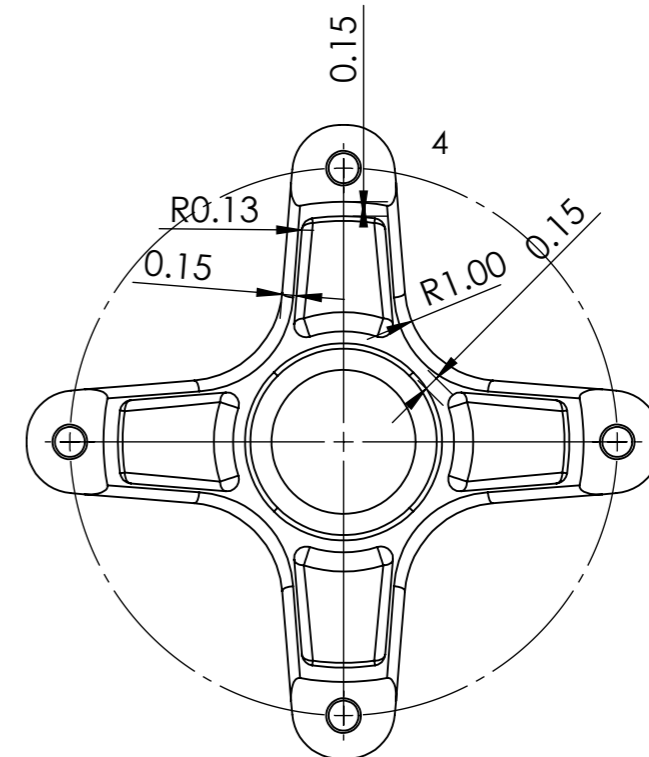
TITLE:		
Baja Front Brake Rotor		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:2	WEIGHT:	SHEET 8 OF 24

2

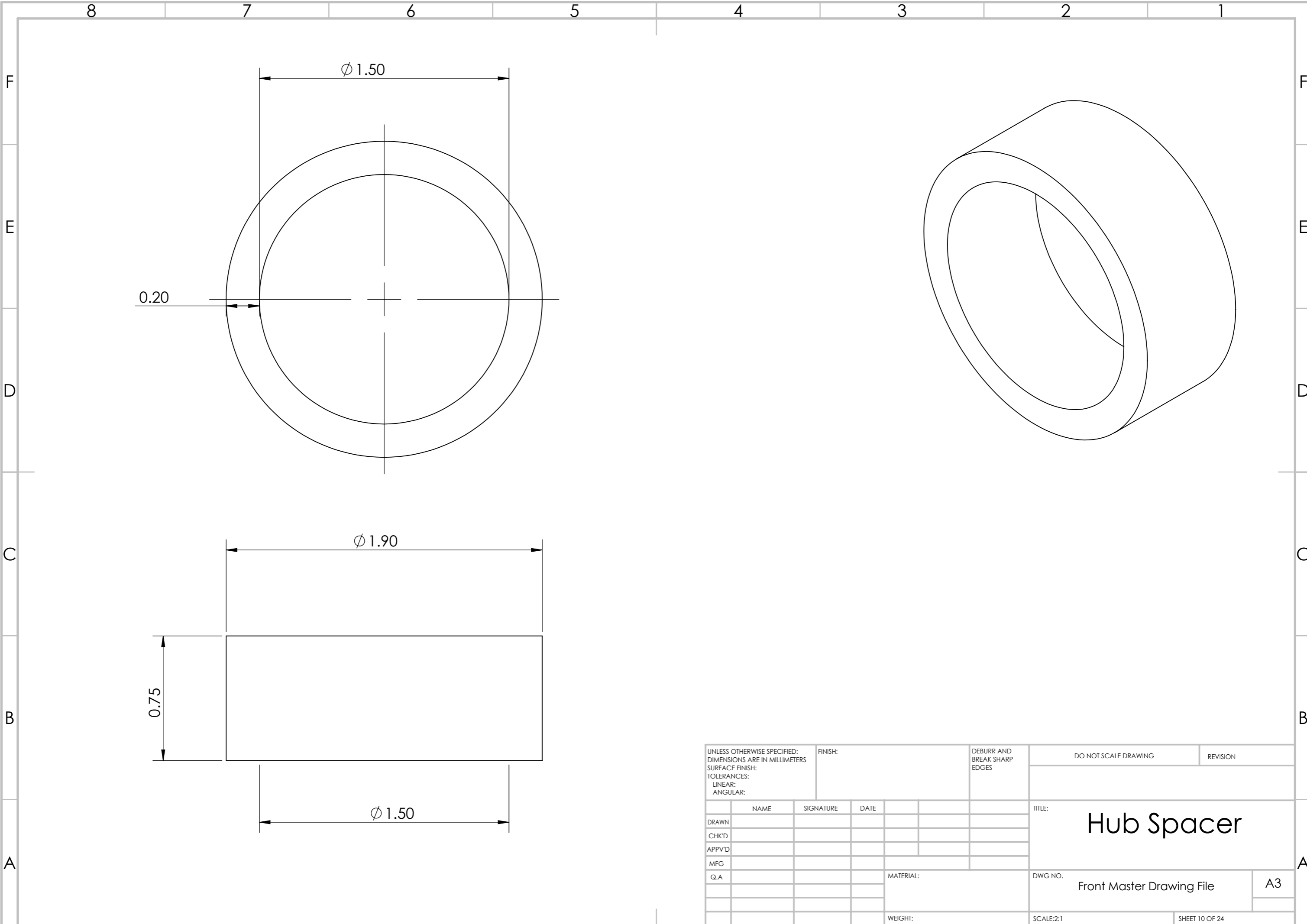
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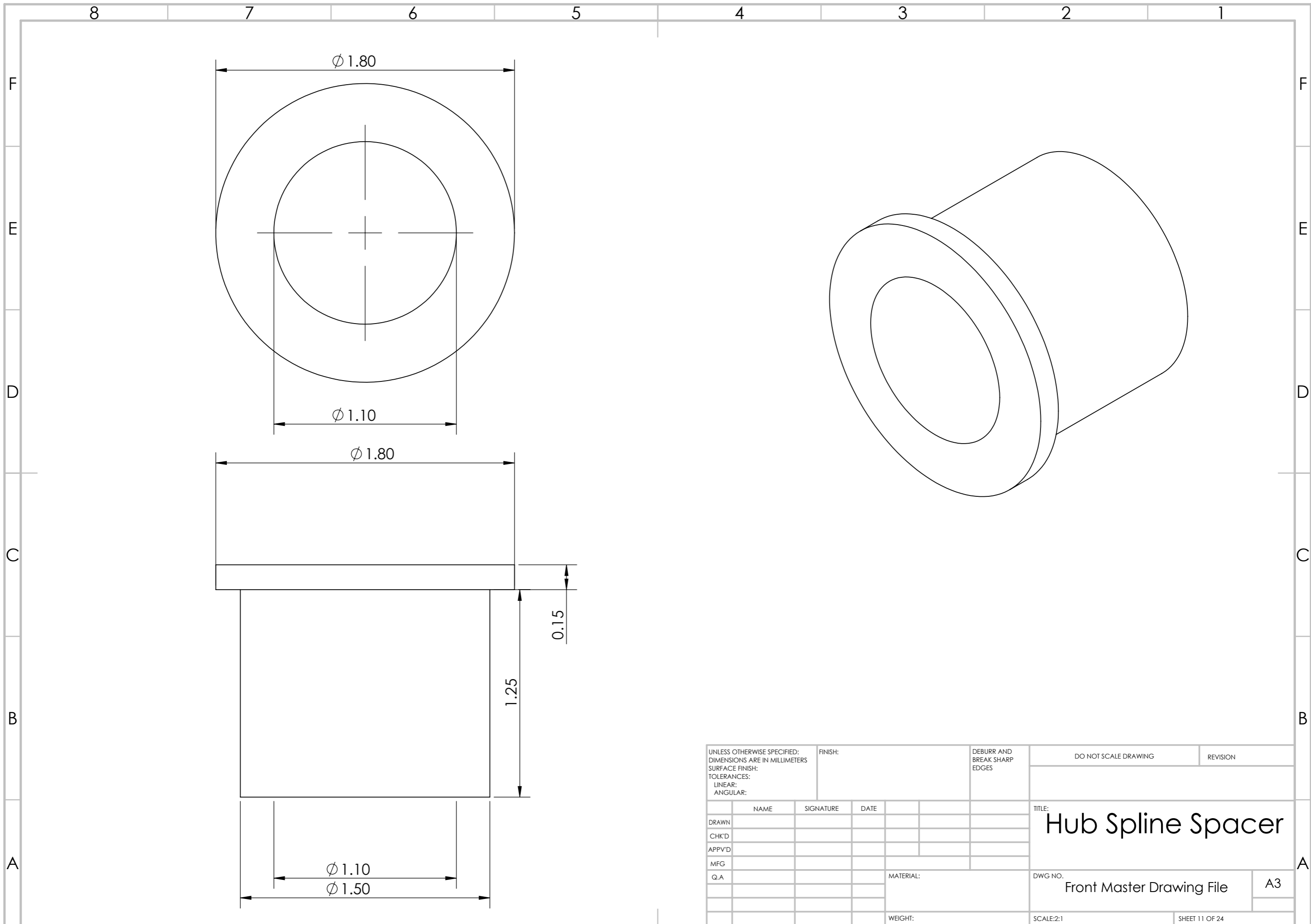
SECTION A-A
SCALE 1 : 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		
DRAWN			NAME		SIGNATURE		DATE		TITLE: Baja Hub		
CHK'D											
APPV'D											
MFG											
Q.A							MATERIAL:		DWG NO. Front Master Drawing File		A3
							WEIGHT:		SCALE:1:2		SHEET 9 OF 24



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION			
							TITLE: Hub Spacer					
							DWG NO. Front Master Drawing File			A3		
							WEIGHT:		SCALE:2:1		SHEET 10 OF 24	



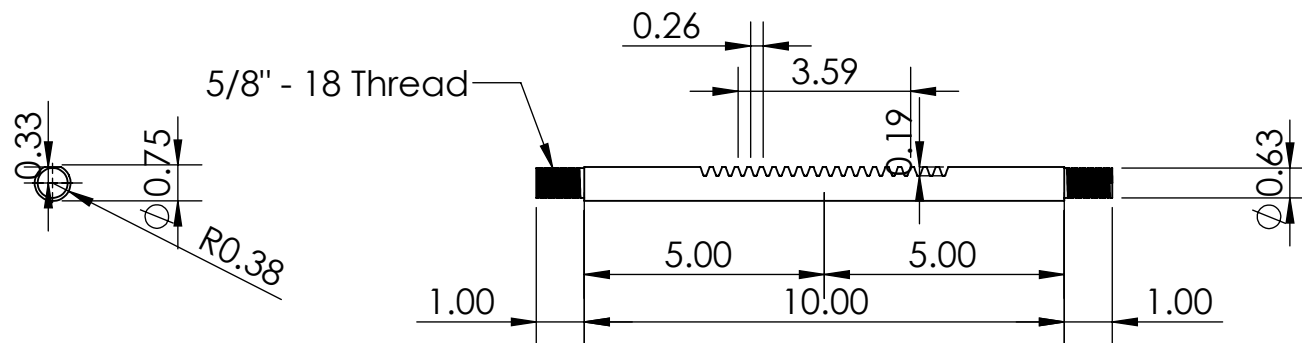
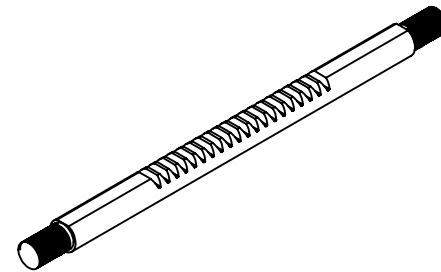
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SURFACE FINISH:									
TOLERANCES:									
LINEAR:									
ANGULAR:									
	NAME	SIGNATURE	DATE			TITLE: Hub Spline Spacer			
DRAWN									
CHK'D									
APPV'D									
MFG									
Q.A					MATERIAL:	DWG NO.		A3	
						Front Master Drawing File			
					WEIGHT:	SCALE:2:1		SHEET 11 OF 24	

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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Custom Rack for Front End

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

SCALE: 1:4 WEIGHT: SHEET 12 OF 24

2

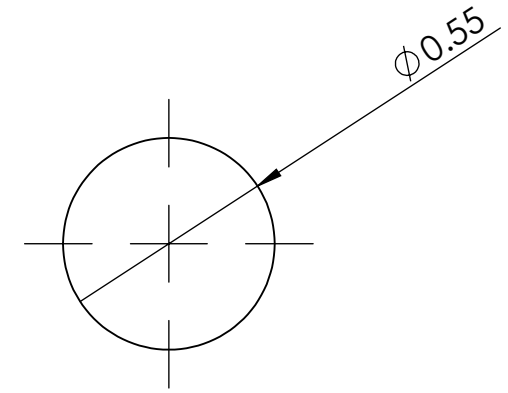
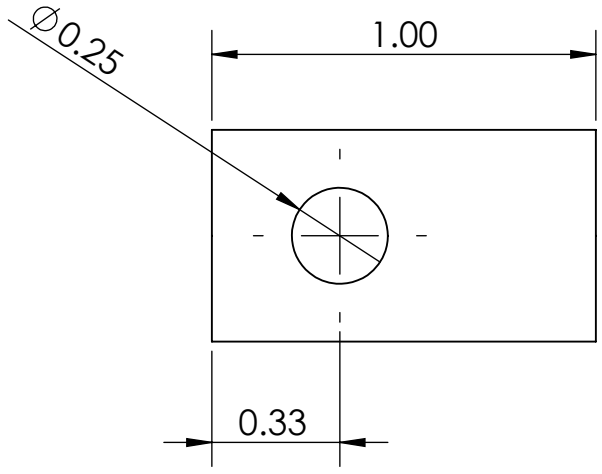
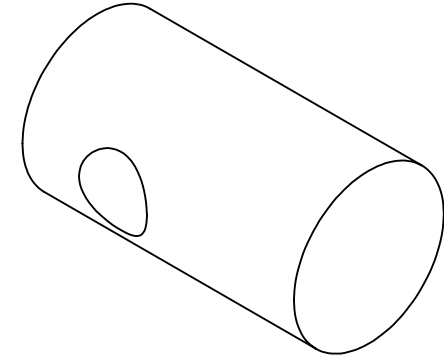
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Aluminum Insert

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

SCALE: 2:1 WEIGHT: SHEET 13 OF 24

2

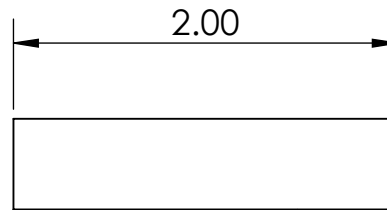
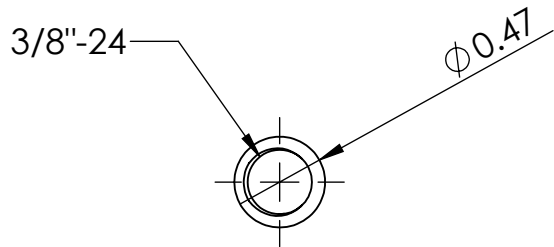
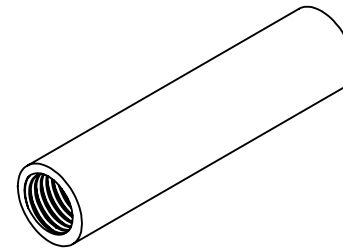
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Gnurled Exterior

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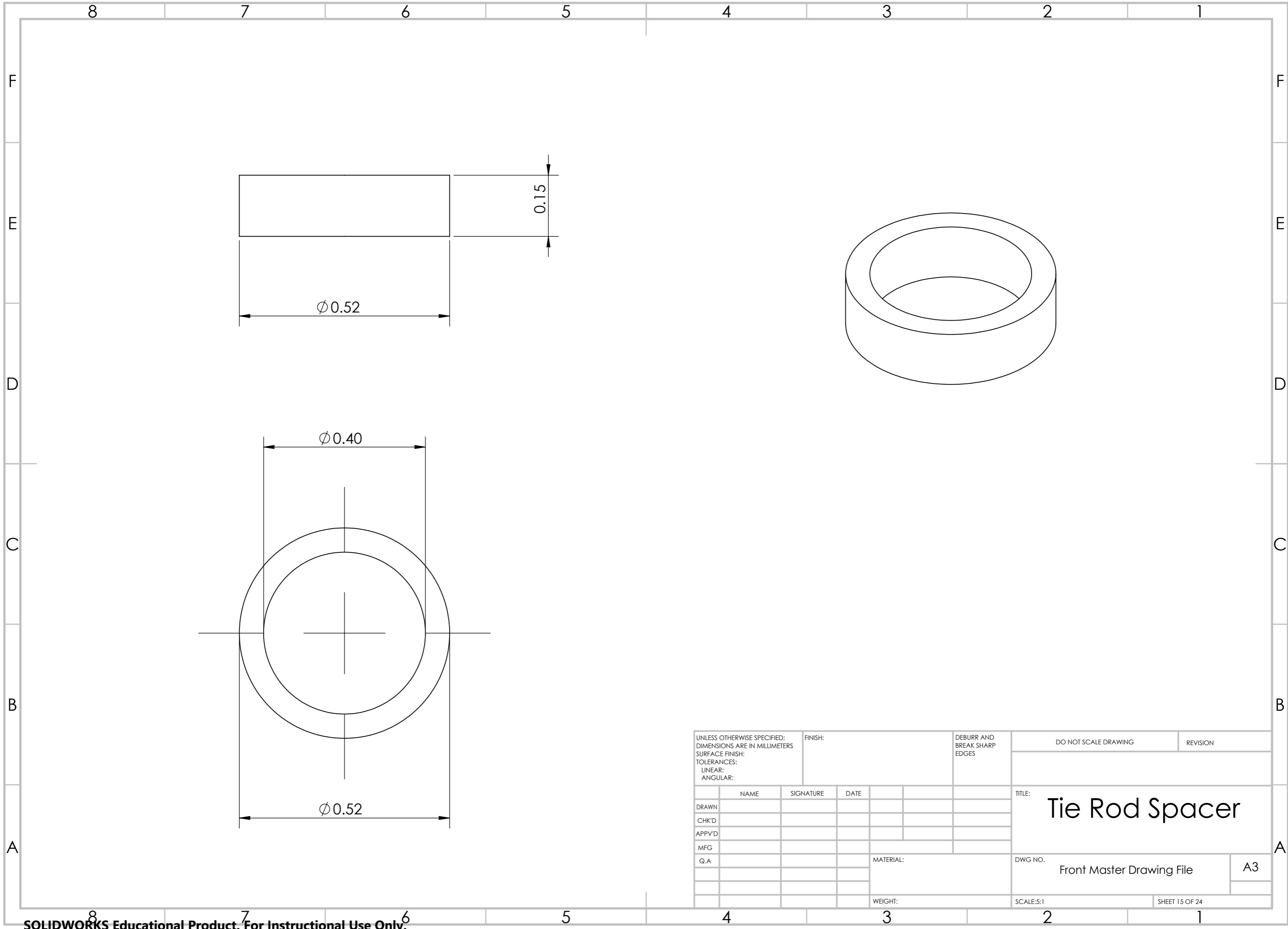
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum			
		FINISH			
		Gnurled			
NEXT ASSY	USED ON	DO NOT SCALE DRAWING			
APPLICATION					

TITLE:
**Threaded Insert
 for Tie Rod**

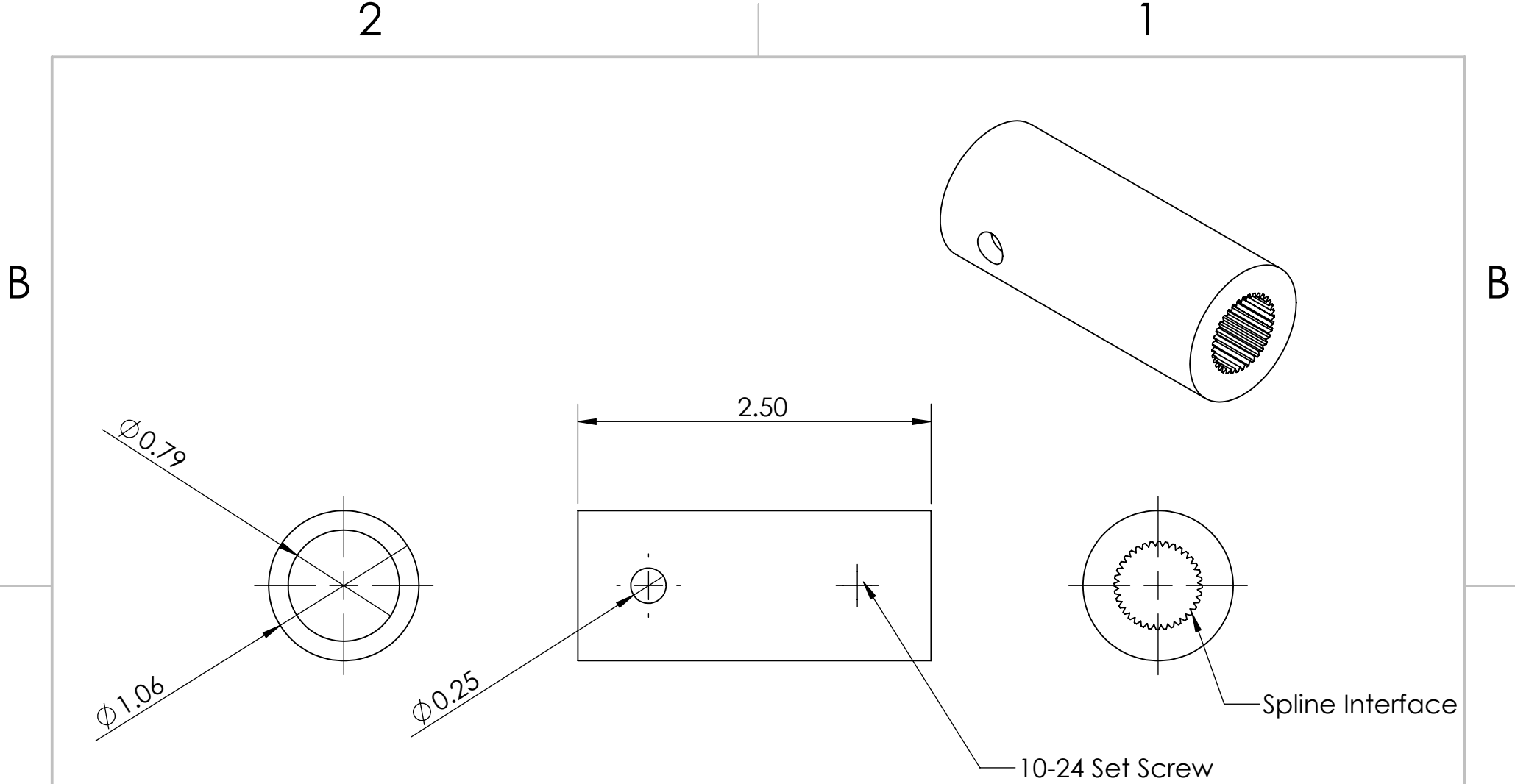
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:1	WEIGHT:	SHEET 14 OF 24

2

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS			FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
SURFACE FINISH:										
TOLERANCES:										
LINEAR:										
ANGULAR:										
	NAME	SIGNATURE	DATE				TITLE: Tie Rod Spacer			
DRAWN										
CHK'D										
APPV'D										
MFG										
Q.A					MATERIAL:		DWG NO.		A3	
							Front Master Drawing File			
					WEIGHT:		SCALE:5:1		SHEET 15 OF 24	



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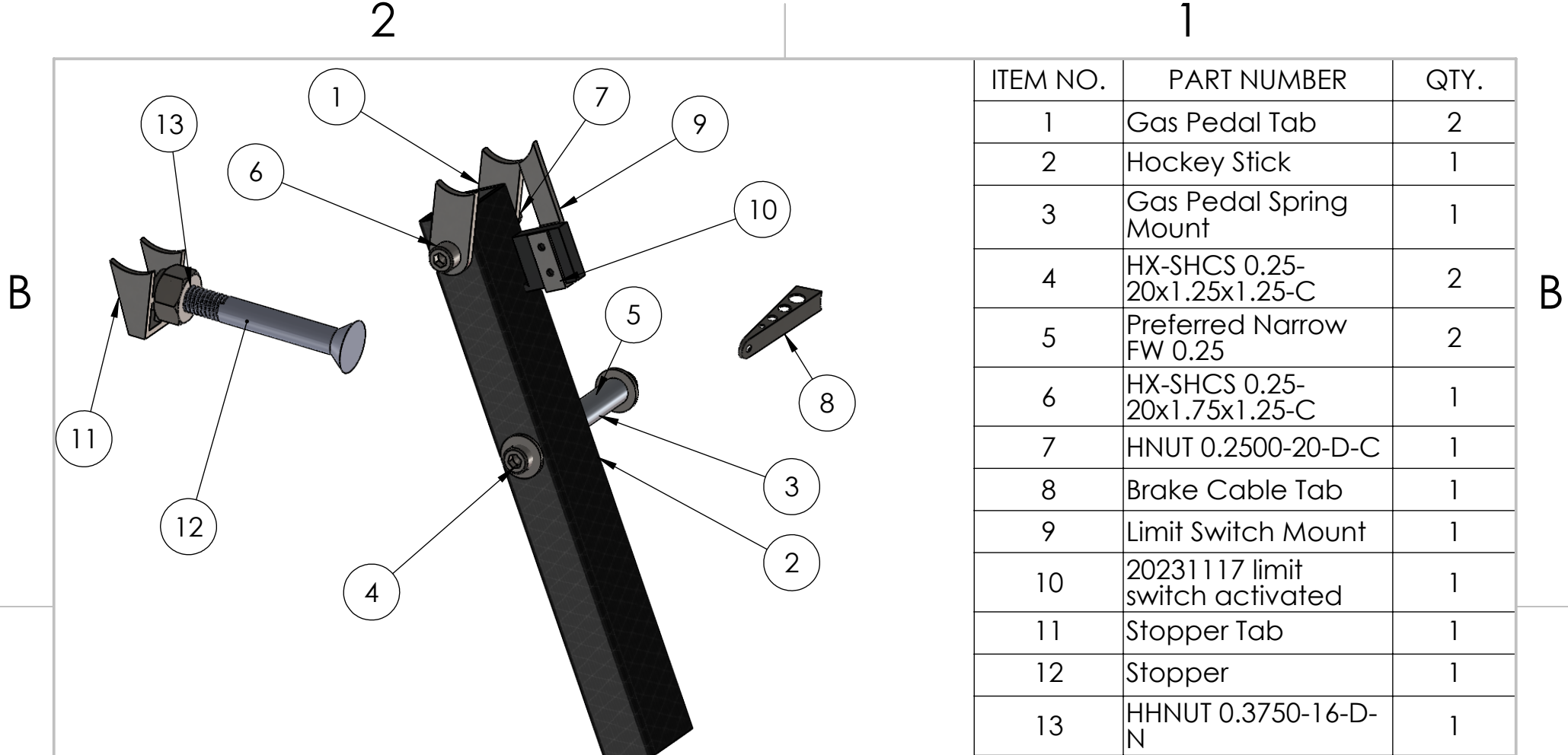
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Rack to Steering Column

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

SCALE: 1:1 WEIGHT: SHEET 16 OF 24



ITEM NO.	PART NUMBER	QTY.
1	Gas Pedal Tab	2
2	Hockey Stick	1
3	Gas Pedal Spring Mount	1
4	HX-SHCS 0.25-20x1.25x1.25-C	2
5	Preferred Narrow FW 0.25	2
6	HX-SHCS 0.25-20x1.75x1.25-C	1
7	HNUT 0.2500-20-D-C	1
8	Brake Cable Tab	1
9	Limit Switch Mount	1
10	20231117 limit switch activated	1
11	Stopper Tab	1
12	Stopper	1
13	HHNUT 0.3750-16-D-N	1

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			DIMENSIONS ARE IN INCHES	DRAWN	azp9	12012023		
			TOLERANCES:	CHECKED				
			FRACTIONAL ±	ENG APPR.				
			ANGULAR: MACH ± BEND ±	MFG APPR.				
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
	NEXT ASSY	USED ON						
	APPLICATION		DO NOT SCALE DRAWING					

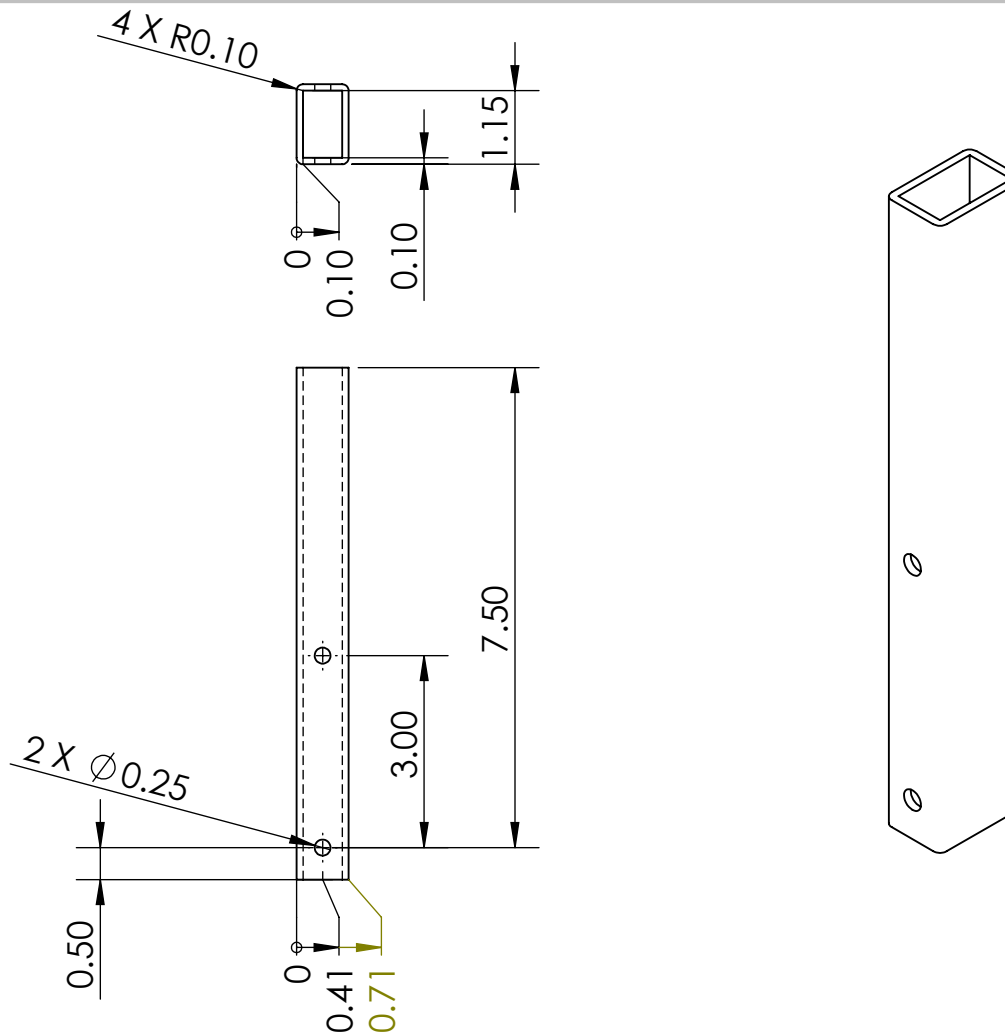
SIZE **A** DWG. NO. Front Master Drawing File REV **1.0**

SCALE: 1:24 WEIGHT: SHEET 17 OF 24

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9	11302023
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Carbon Fiber & Fiberglass			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

Baja Gas Pedal

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

SCALE: 1:2	WEIGHT:	SHEET 18 OF 24
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2

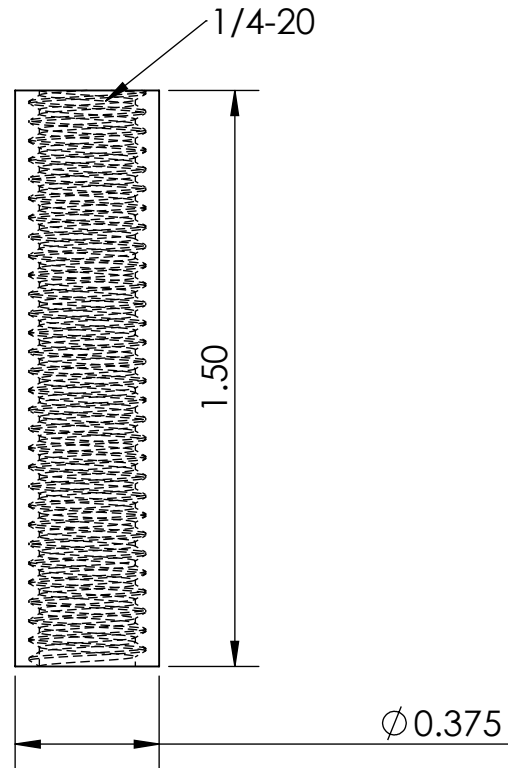
1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9	11302023
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Spring Mount Spacer		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 2:1	WEIGHT:	SHEET 19 OF 24

2

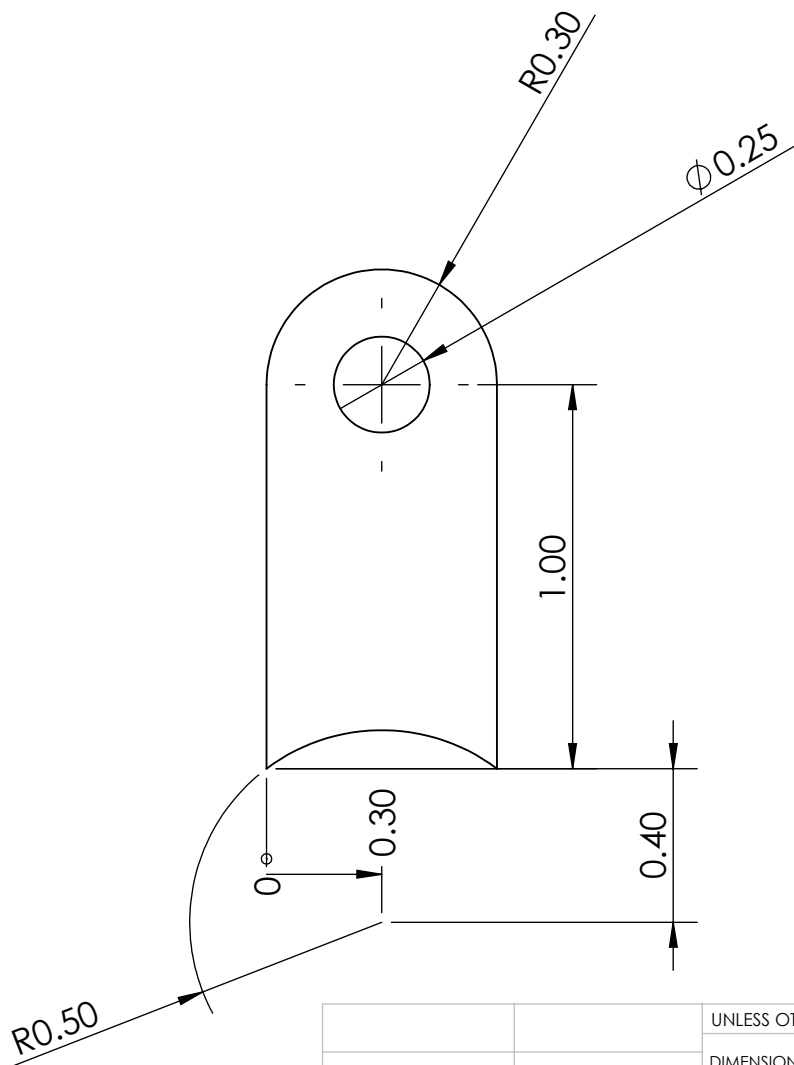
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9	11302023
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		1020 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

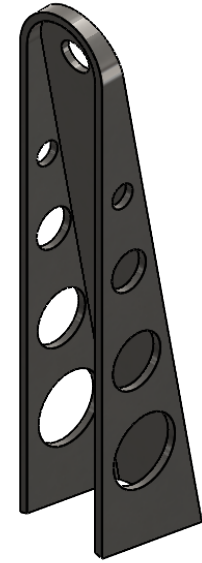
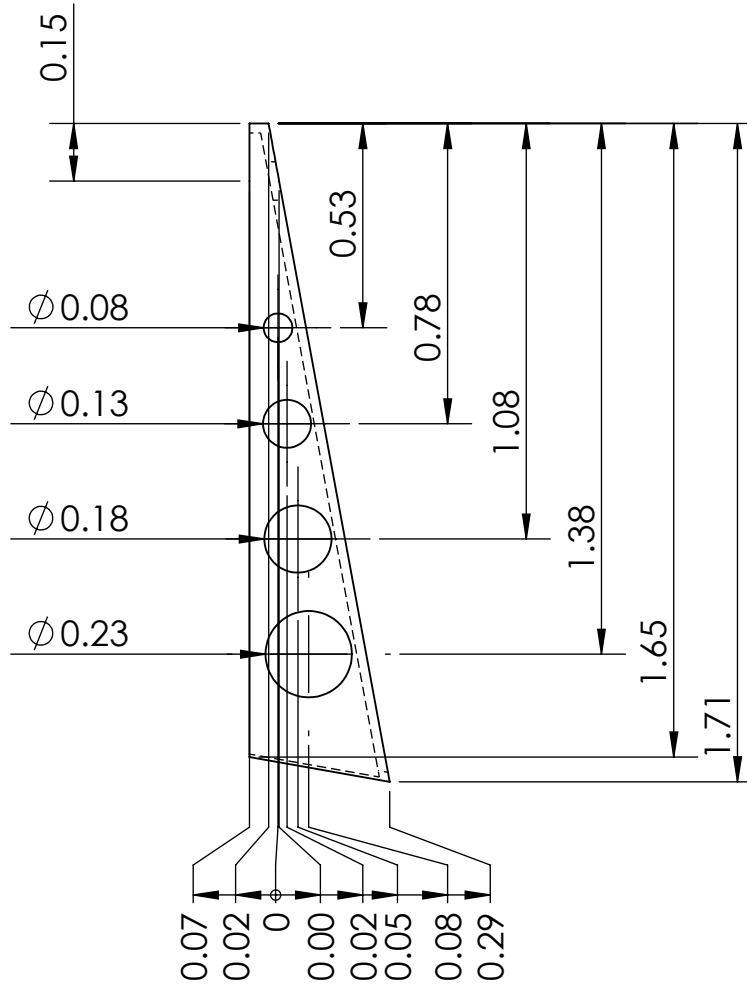
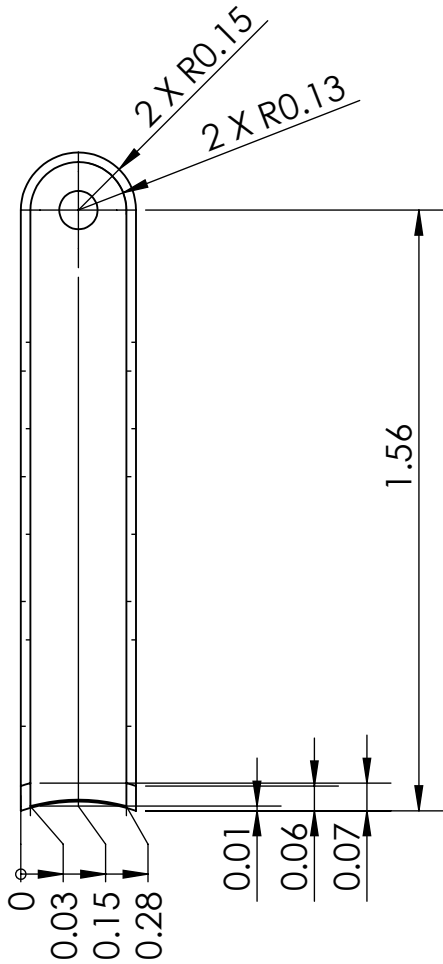
TITLE:

Baja Gas Pedal Tab

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

SCALE: 2:1	WEIGHT:	SHEET 20 OF 24
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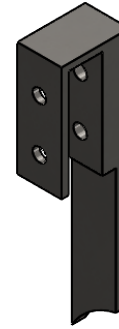
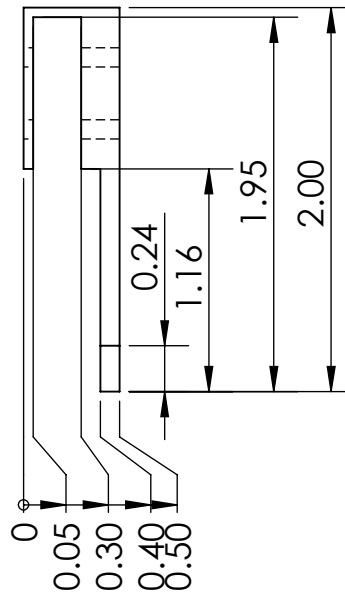
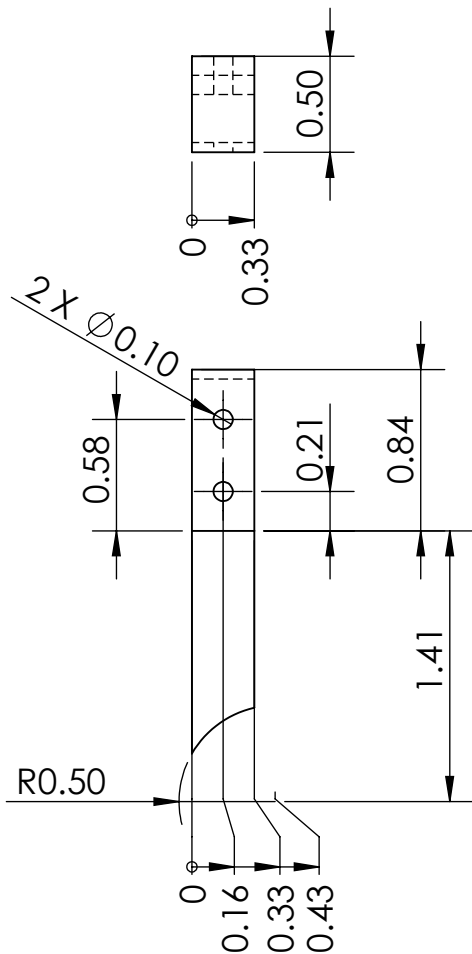
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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9
		TOLERANCES:	CHECKED	11302023
		FRACTIONAL ±	ENG APPR.	
		ANGULAR: MACH ± BEND ±	MFG APPR.	
		TWO PLACE DECIMAL ±	Q.A.	
		THREE PLACE DECIMAL ±	COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		1020 Steel		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

TITLE:		
Baja Tab for Brake Cable		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 2:1	WEIGHT:	SHEET 21 OF 24

B

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9	11302023
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		1020 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

Baja Mount for Limit Switch

SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0

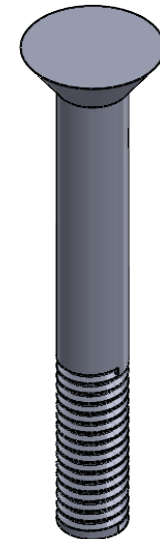
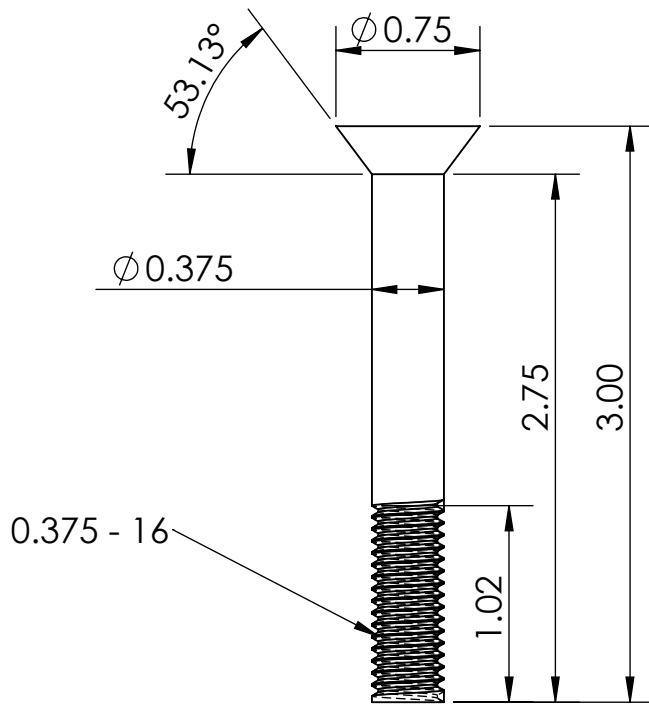
SCALE: 1:1	WEIGHT:	SHEET 22 OF 24
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2

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	azp9	11302023
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Gas Pedal Stopper		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:1	WEIGHT:	SHEET 23 OF 24

2

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B

B

END FRONT END SECTION

A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Front Master Drawing File		
SIZE	DWG. NO.	REV
A	Front Master Drawing File	1.0
SCALE: 1:2	WEIGHT:	SHEET 24 OF 24

2

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2

1

B

B

Start Rear End Section

A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:		
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			A	Draw1	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:4.5	WEIGHT:	SHEET 1 OF 1
		MATERIAL						
	NEXT ASSY	USED ON	FINISH					
	APPLICATION		DO NOT SCALE DRAWING					

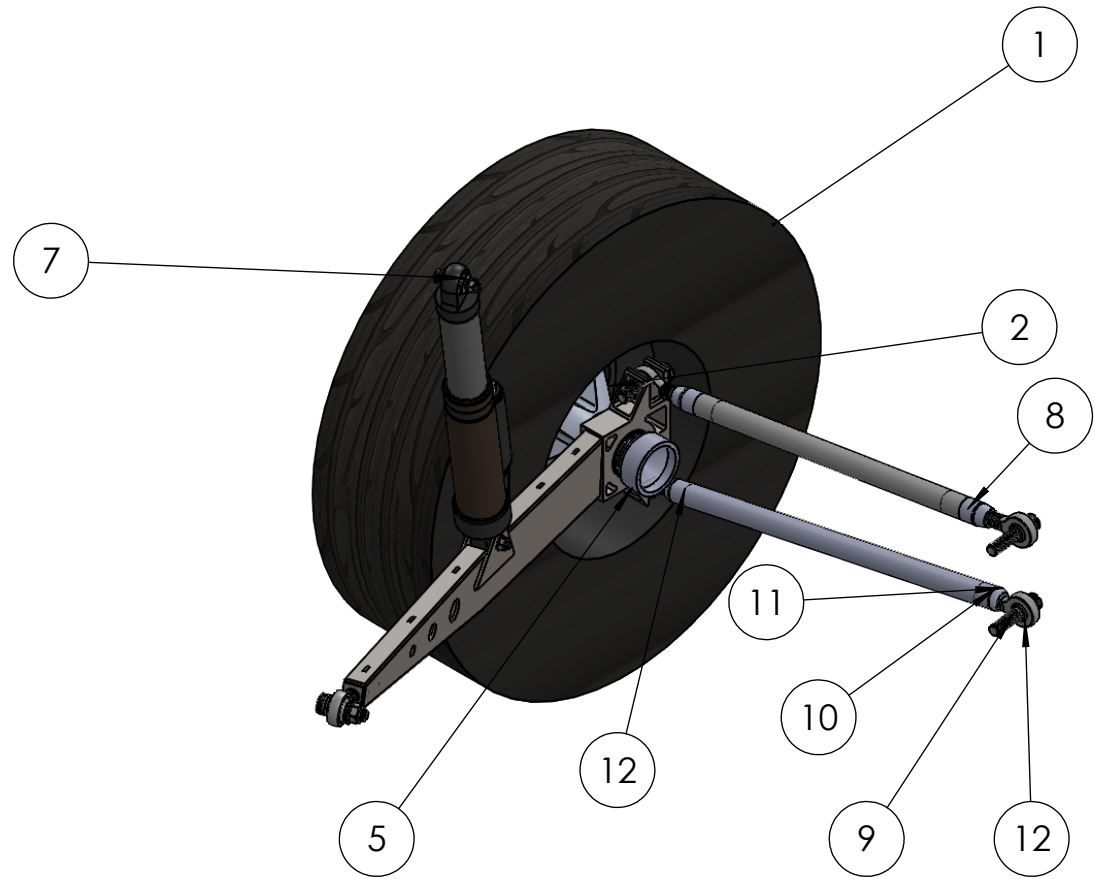
2

1

2

1

ITEM NO.	PART NUMBER	QTY.
1	wheel	1
2	FinalHub	1
3	92220A253	4
4	95462A031	4
5	CV Axle End	1
6	CV_spacer	1
7	Rear Suspension Trailing Link_Knuckle Final Assembly	1
8	Carbon Fiber Camber Link V1	1
9	91251A019	2
10	steel pipe camber link (1Dx0.035t)	1
11	steel link insert	2
12	60645K872	2
13	skf_bearing_6006_2	2



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD
		TOLERANCES:	CHECKED	12/1/23
		FRACTIONAL ±	ENG APPR.	
		ANGULAR: MACH ± BEND ±	MFG APPR.	
		TWO PLACE DECIMAL ±	Q.A.	
		THREE PLACE DECIMAL ±	COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
	APPLICATION	DO NOT SCALE DRAWING		

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TITLE:
Final Assembly with BOM

SIZE **A** DWG. NO. REV
 SCALE: 1:24 WEIGHT: SHEET 1 OF 1

2

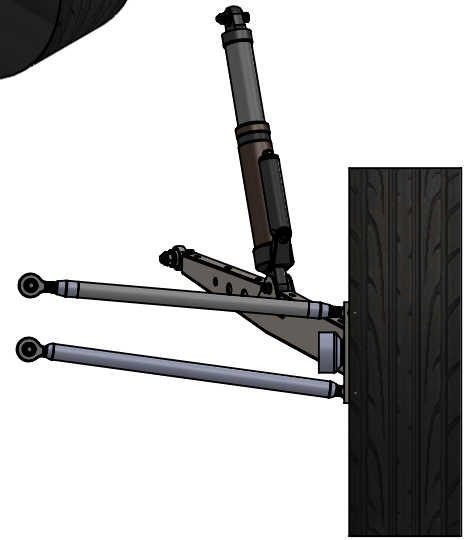
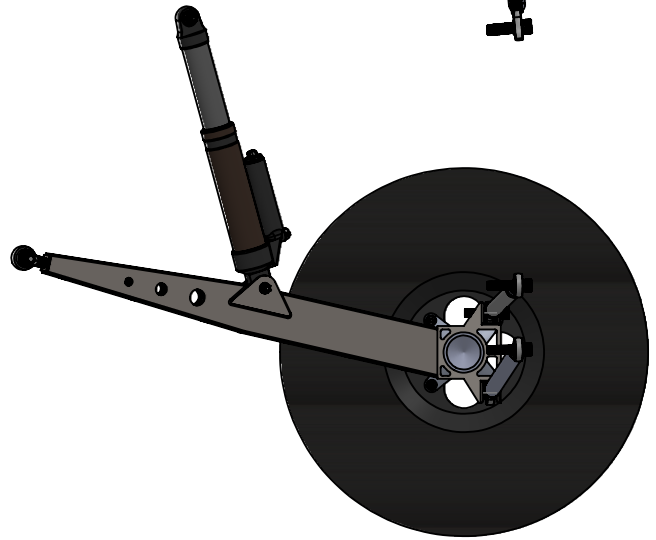
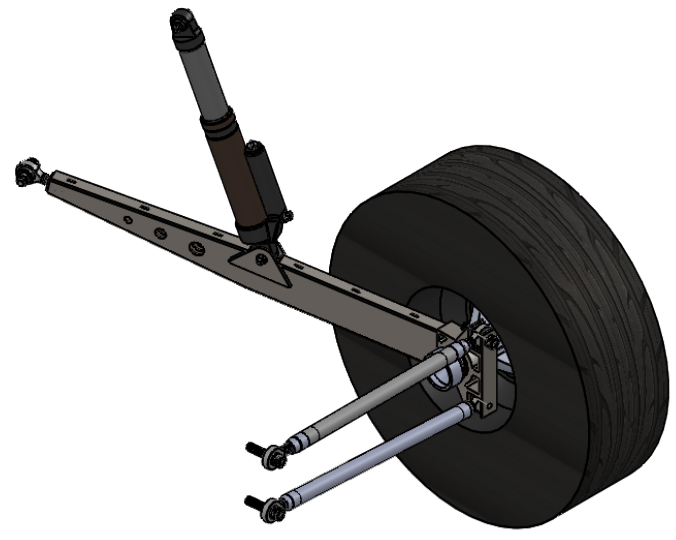
1

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B

B



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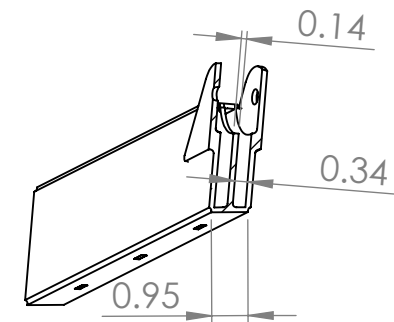
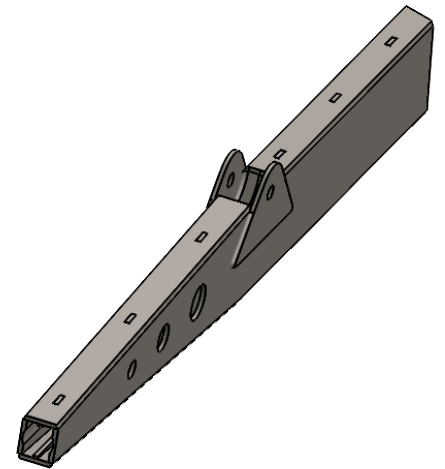
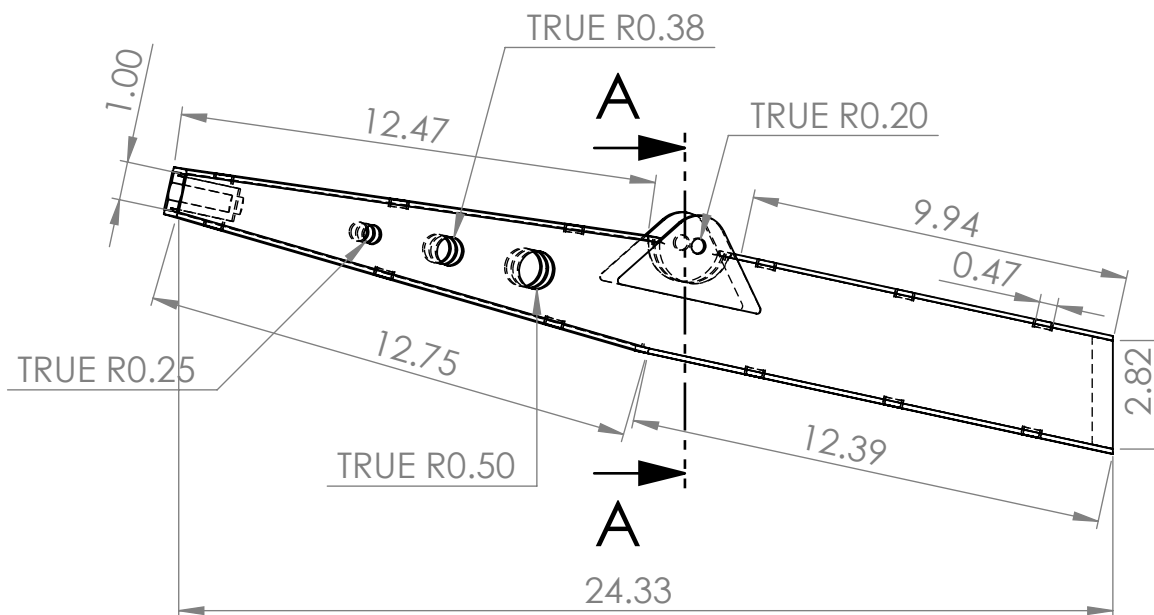
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
FinalAssembly		
SIZE	DWG. NO.	REV
A		
SCALE: 1:24 WEIGHT:		SHEET 1 OF 1

2

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B



SECTION A-A

B

A

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	lcj49	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4130 Steel			
		FINISH			
	NEXT ASSY	USED ON			
	APPLICATION				
		DO NOT SCALE DRAWING			

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TITLE:
Rear Suspension

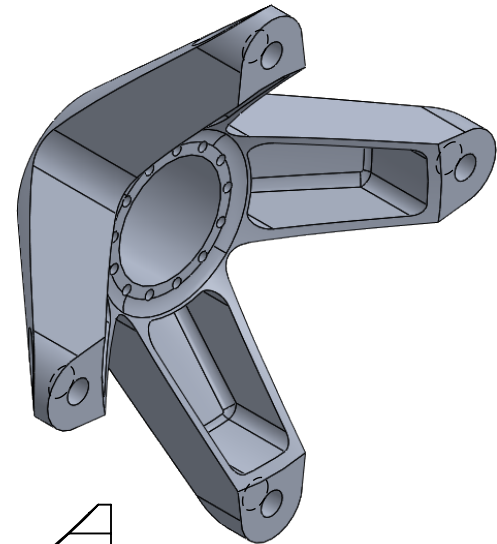
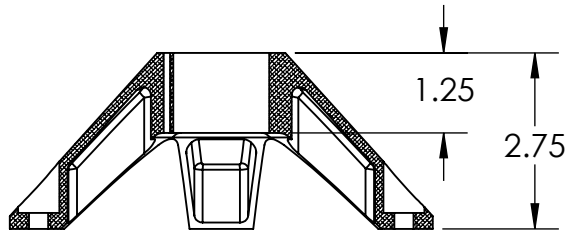
SIZE DWG. NO. REV
A Trailing Link

SCALE: 1:5 WEIGHT: SHEET 1 OF 1

A

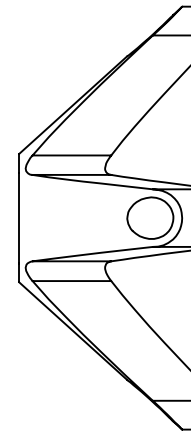
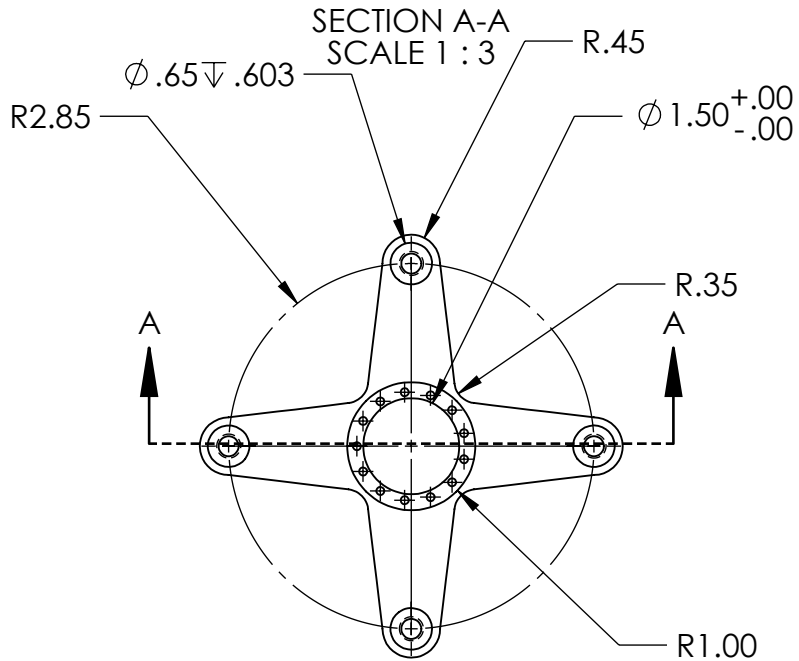
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		6061 T6 Aluminum			
		FINISH			
NEXT ASSY	USED ON				
	APPLICATION	DO NOT SCALE DRAWING			

TITLE:		
<h1>Final Hub</h1>		
SIZE	DWG. NO.	REV
A		
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

2

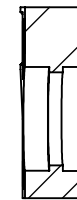
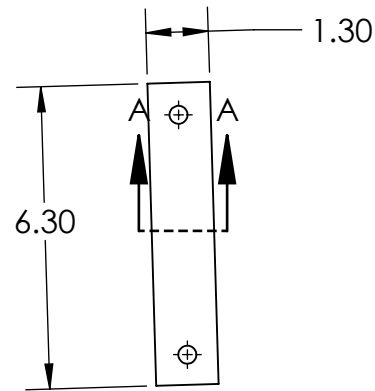
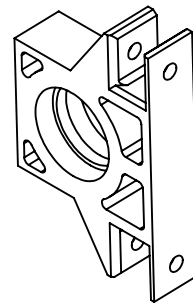
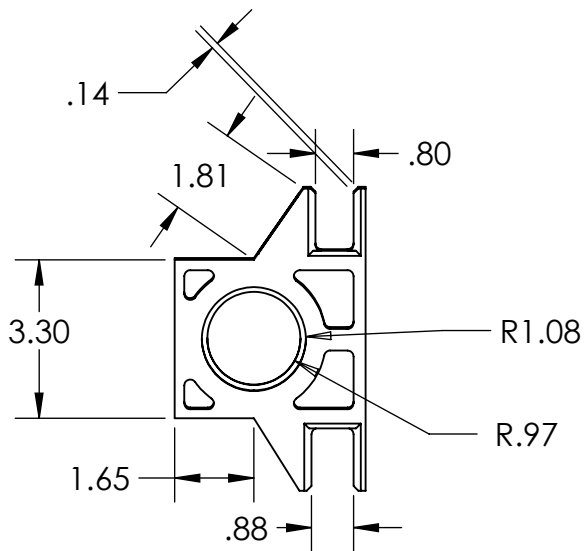
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SECTION A-A

A

A

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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD
		TOLERANCES:	CHECKED	12/1/23
		FRACTIONAL ±	ENG APPR.	
		ANGULAR: MACH ± BEND ±	MFG APPR.	
		TWO PLACE DECIMAL ±	Q.A.	
		THREE PLACE DECIMAL ±	COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		4130 STEEL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

TITLE:

KNUCKLE

SIZE
A

DWG. NO.

REV

SCALE: 1:4

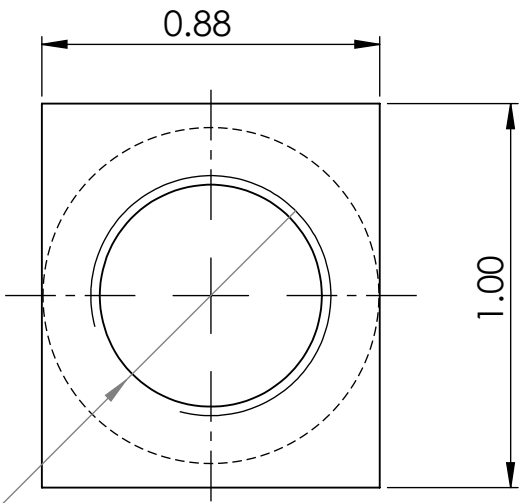
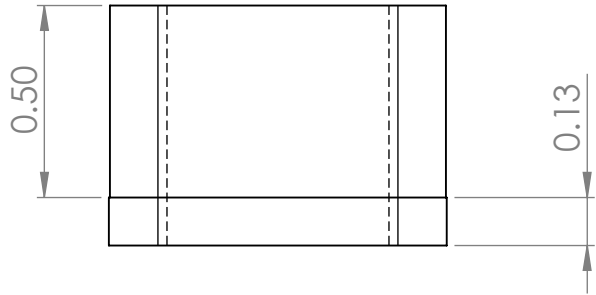
WEIGHT:

SHEET 1 OF 1

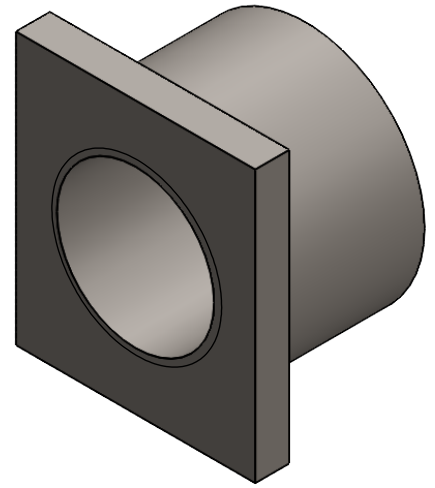
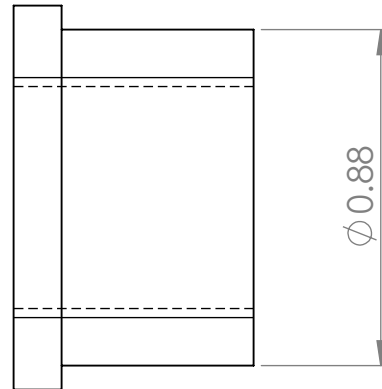
2

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5/8-18 UNF



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	lcj49	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		A36 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Rear Suspension

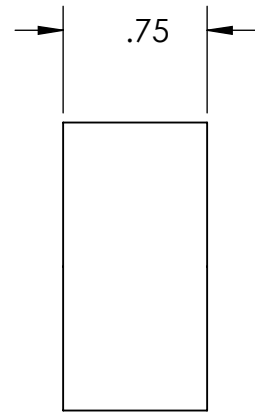
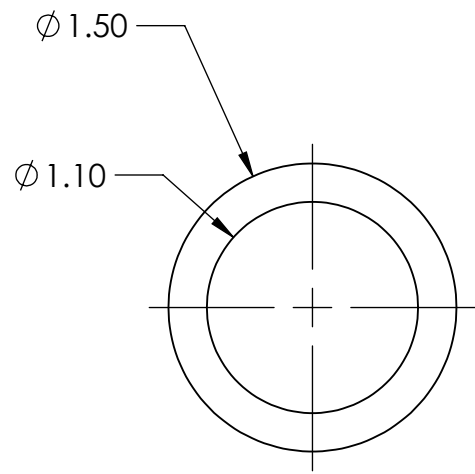
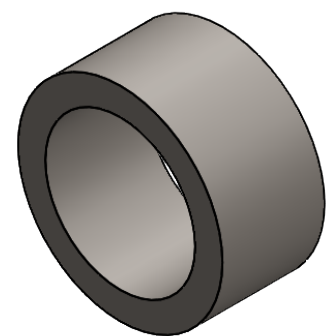
SIZE	DWG. NO.	REV
A	Trailing Link Rod End Insert	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

1

B

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
A	CV_spacer	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

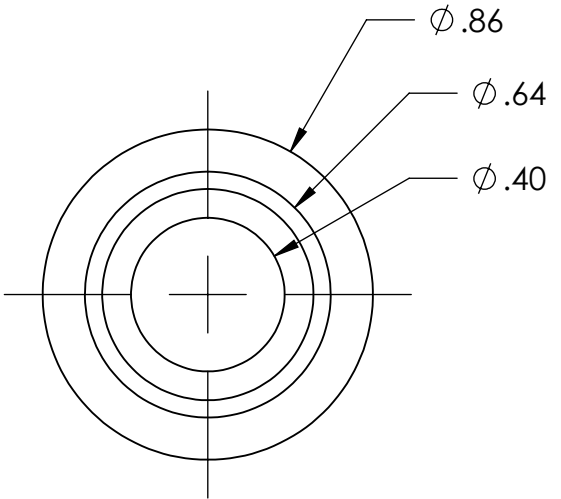
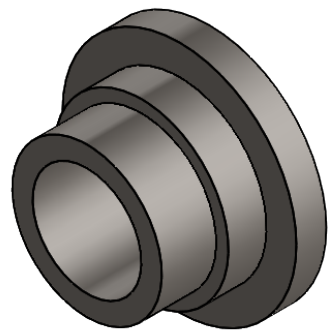
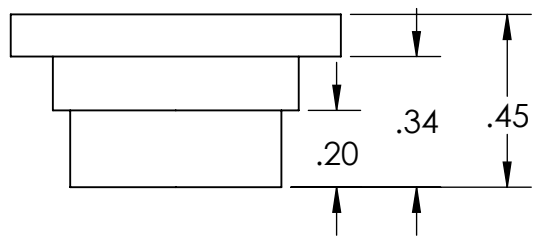
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	SMD	121/23
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		
		MATERIAL STEEL	ENG APPR.		
		FINISH	MFG APPR.		
NEXT ASSY	USED ON		Q.A.		
APPLICATION		DO NOT SCALE DRAWING	COMMENTS:		

TITLE:
Rear Suspension Final Shock Spacer

SIZE A	DWG. NO.	REV
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

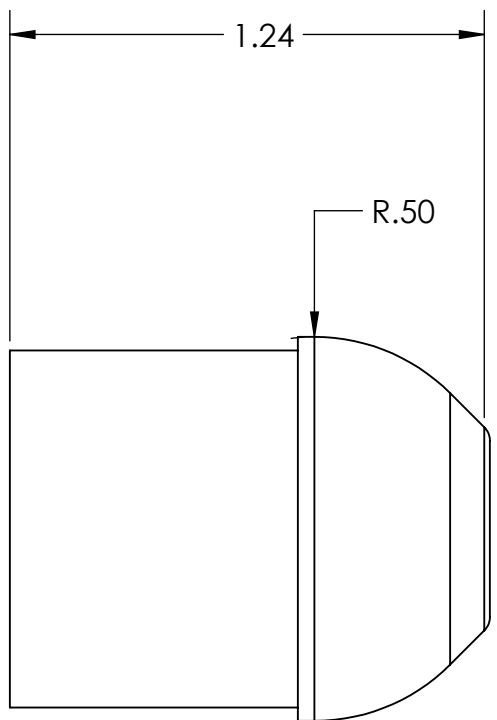
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2

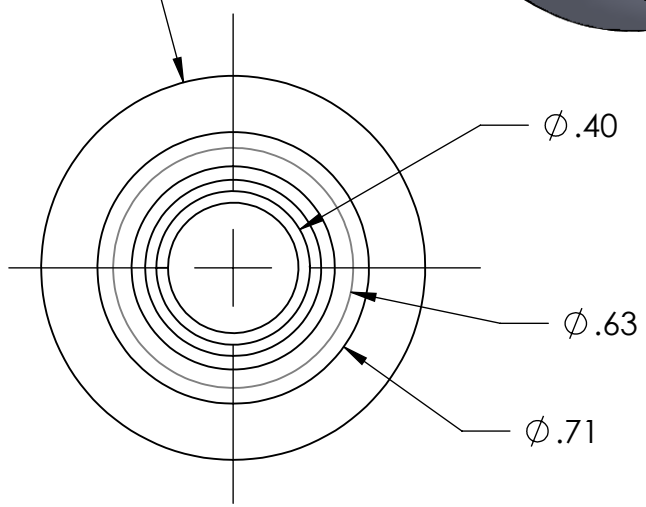
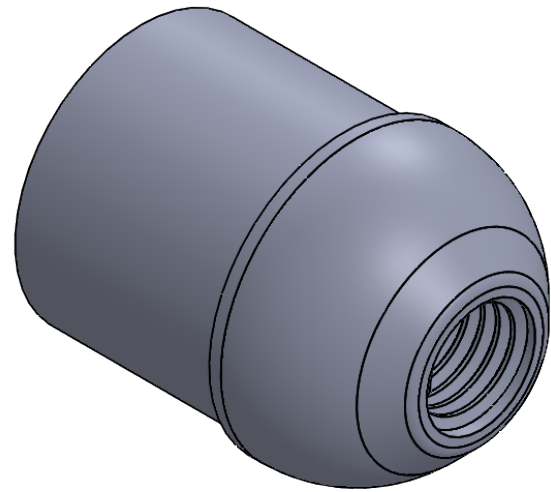
1

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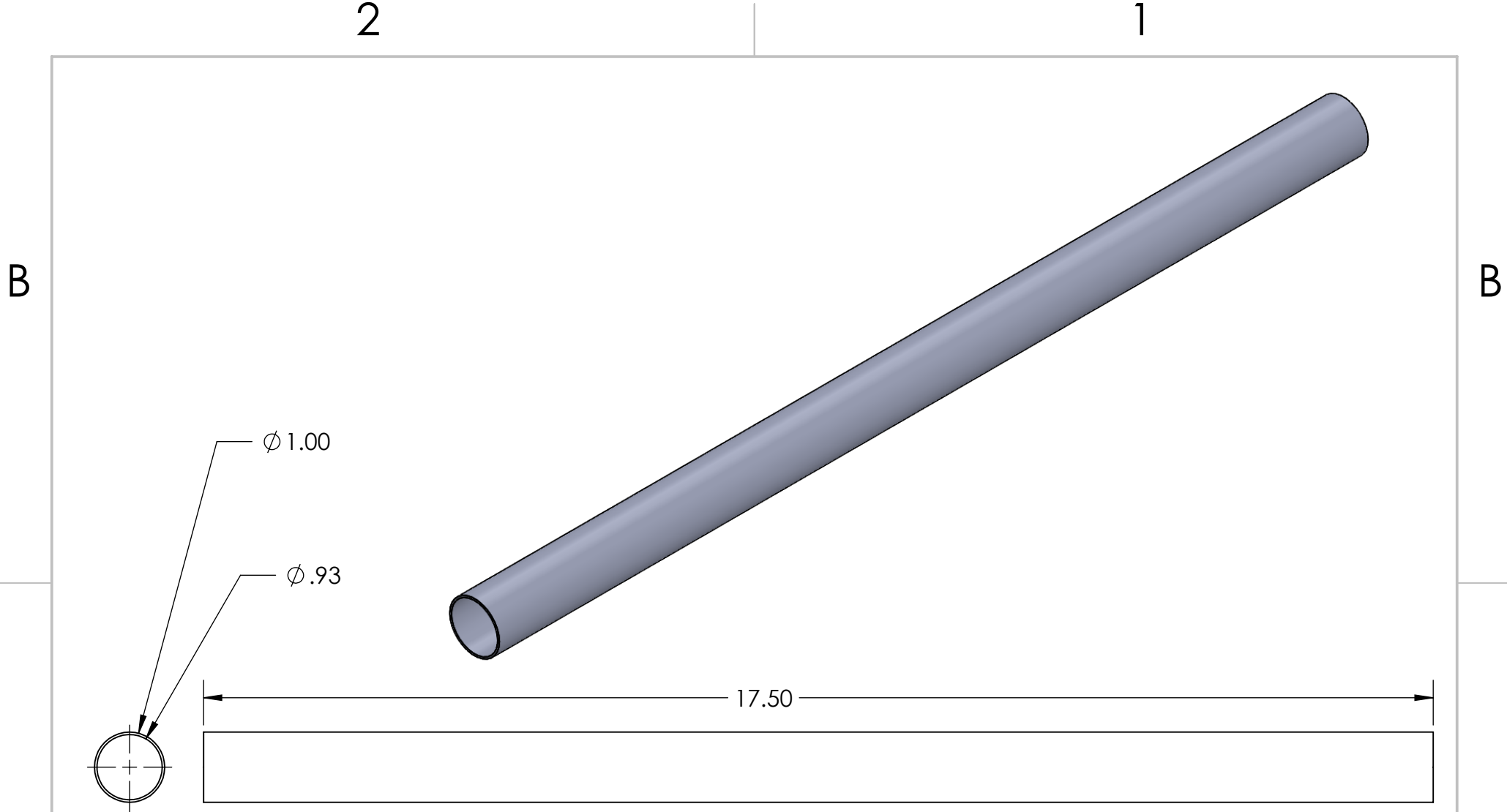
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		DIMENSIONS ARE IN INCHES	DRAWN	SMD	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4130 steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
steel link insert

SIZE	DWG. NO.	REV
A		
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

1



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4130 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

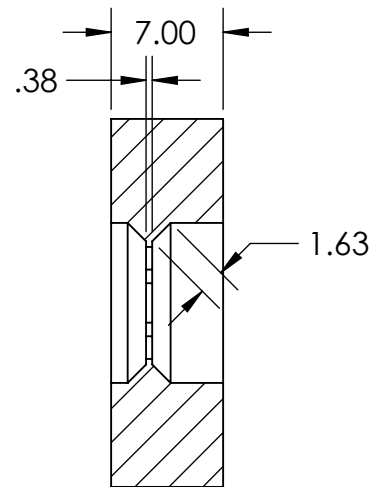
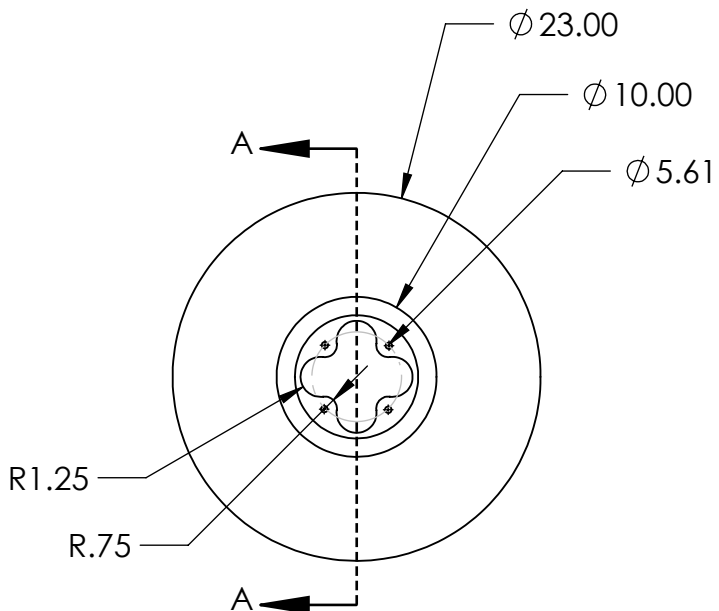
TITLE:		
Steel Camber Link		
SIZE	DWG. NO.	REV
A		
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

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SECTION A-A



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD	11/30/23
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Wheel</h1>		
SIZE	DWG. NO.	REV
A		
SCALE: 1:12	WEIGHT:	SHEET 1 OF 1

2

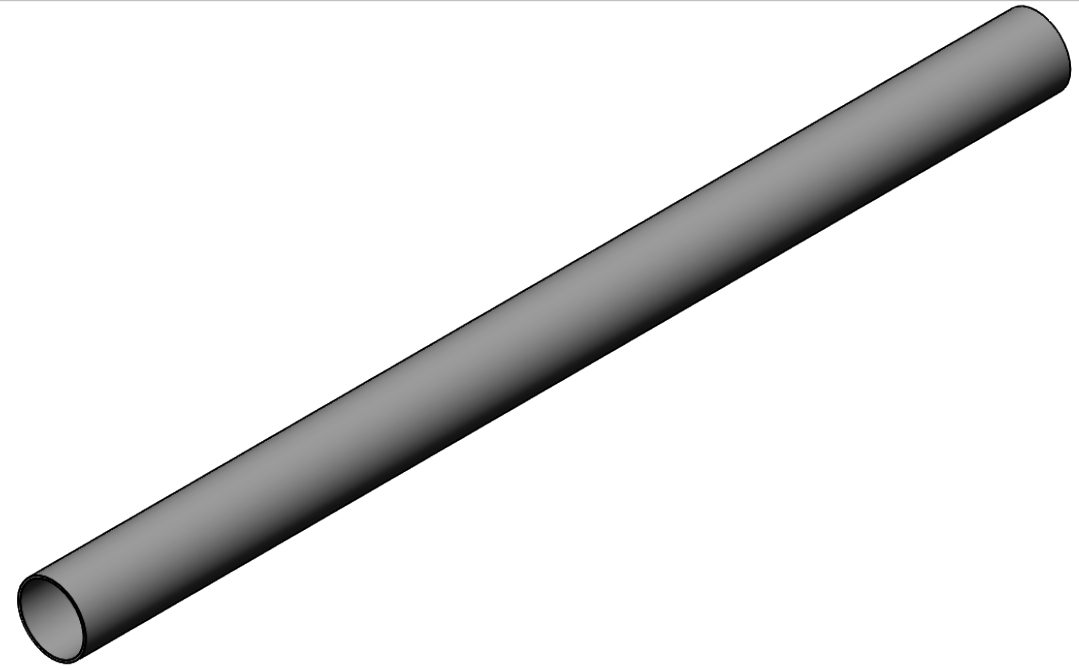
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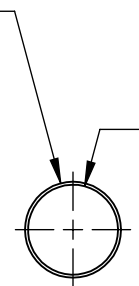
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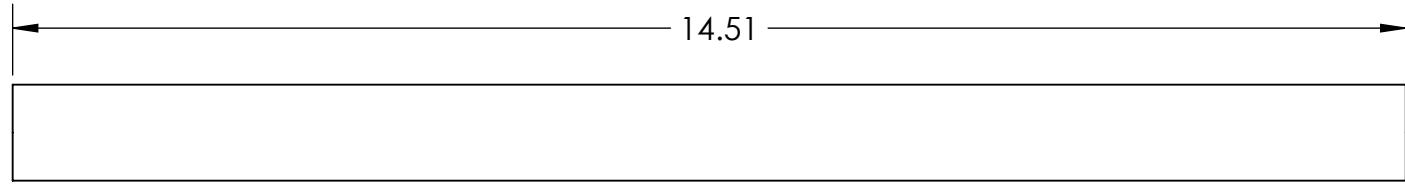


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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Carbon Fiber			
		FINISH			
NEXT ASSY	USED ON				
	APPLICATION	DO NOT SCALE DRAWING			

TITLE: **Carbon Fiber Tube**

SIZE	DWG. NO.	REV
A		
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

2

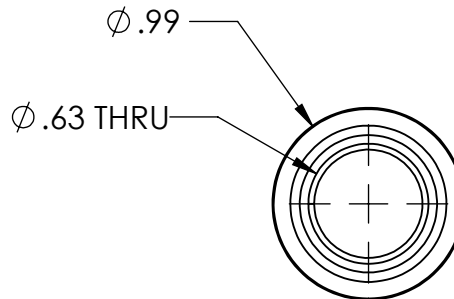
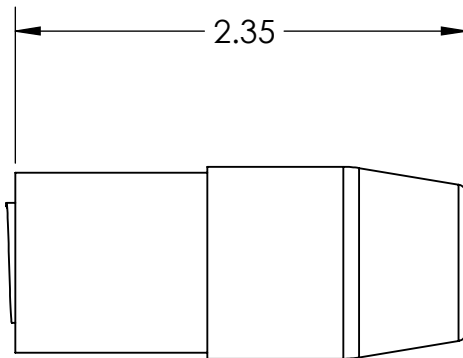
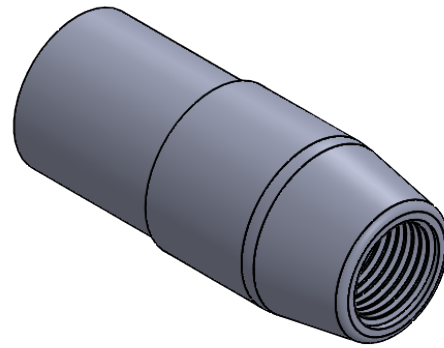
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	SMD	12/1/23
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminum 6061 T6			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Carbon Fiber Insert		
SIZE A	DWG. NO.	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

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End Rear End Section

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:		
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			A	Draw2	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:4.5	WEIGHT:	SHEET 1 OF 1
		MATERIAL						
	NEXT ASSY	USED ON	FINISH					
	APPLICATION		DO NOT SCALE DRAWING					

2

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Begin Drivetrain Section

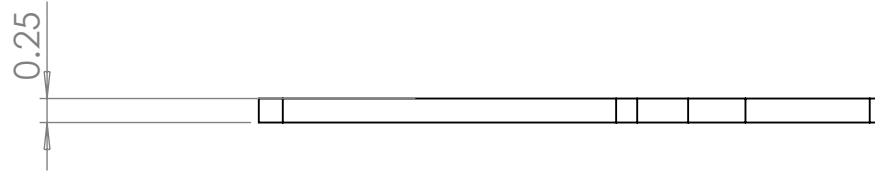
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

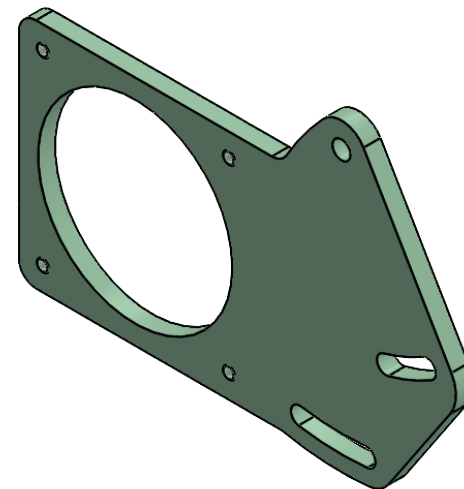
TITLE:
Drivetrain Master Drawings File

SIZE	DWG. NO.	REV
A		
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

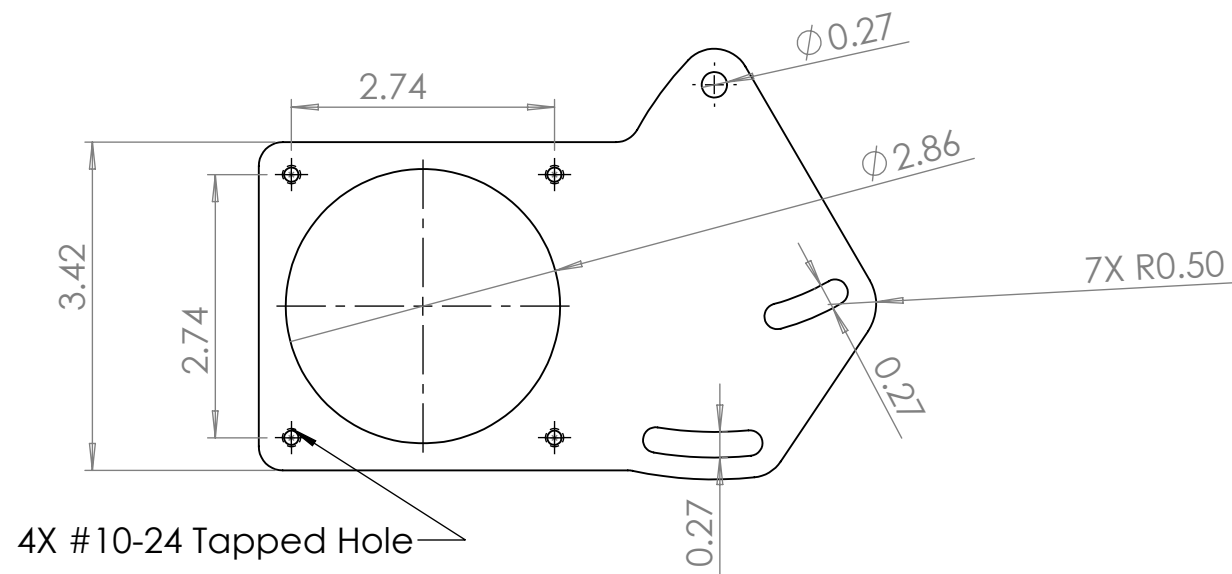
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

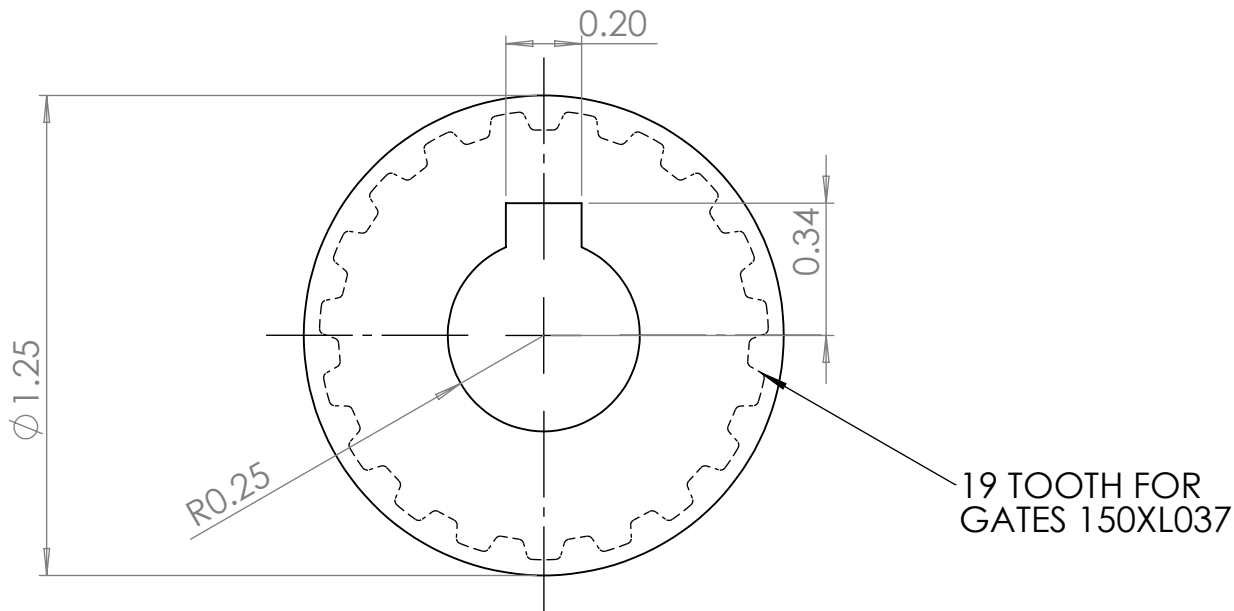
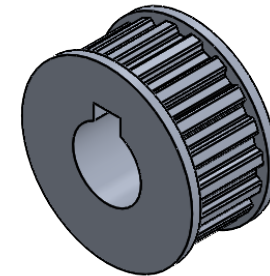
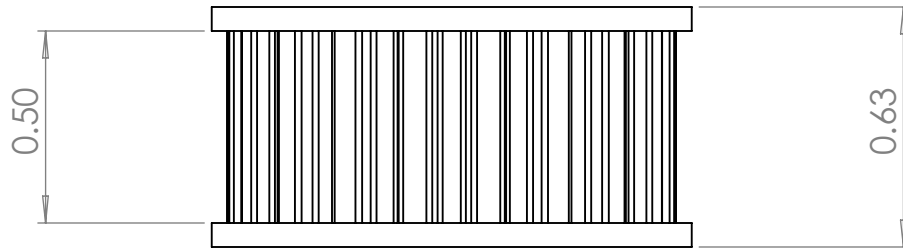
TITLE:		
SIZE	DWG. NO.	REV
202310	A5	motor mount plate
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

2

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

20231005 ecvt control pulle

SIZE	DWG. NO.	REV
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

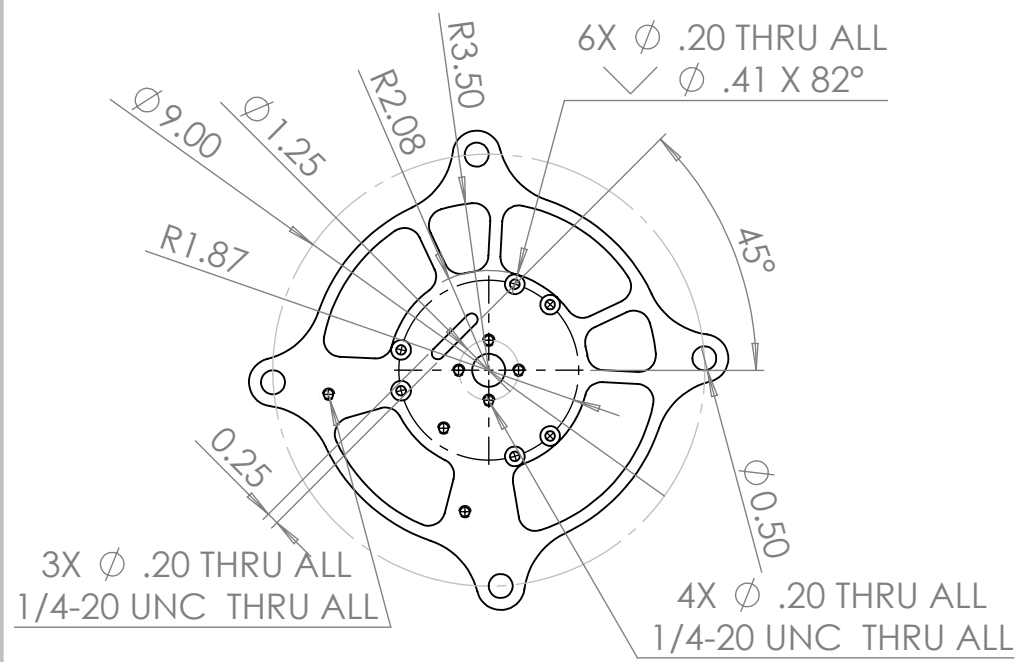
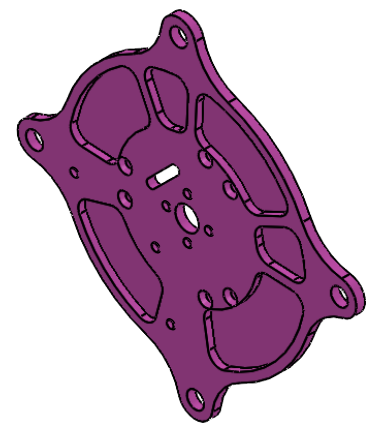
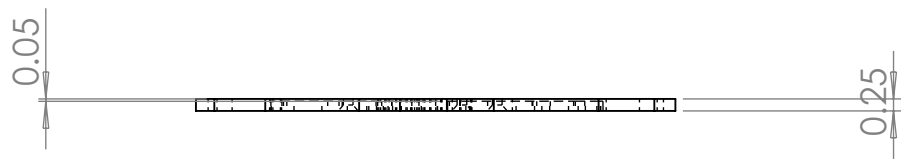
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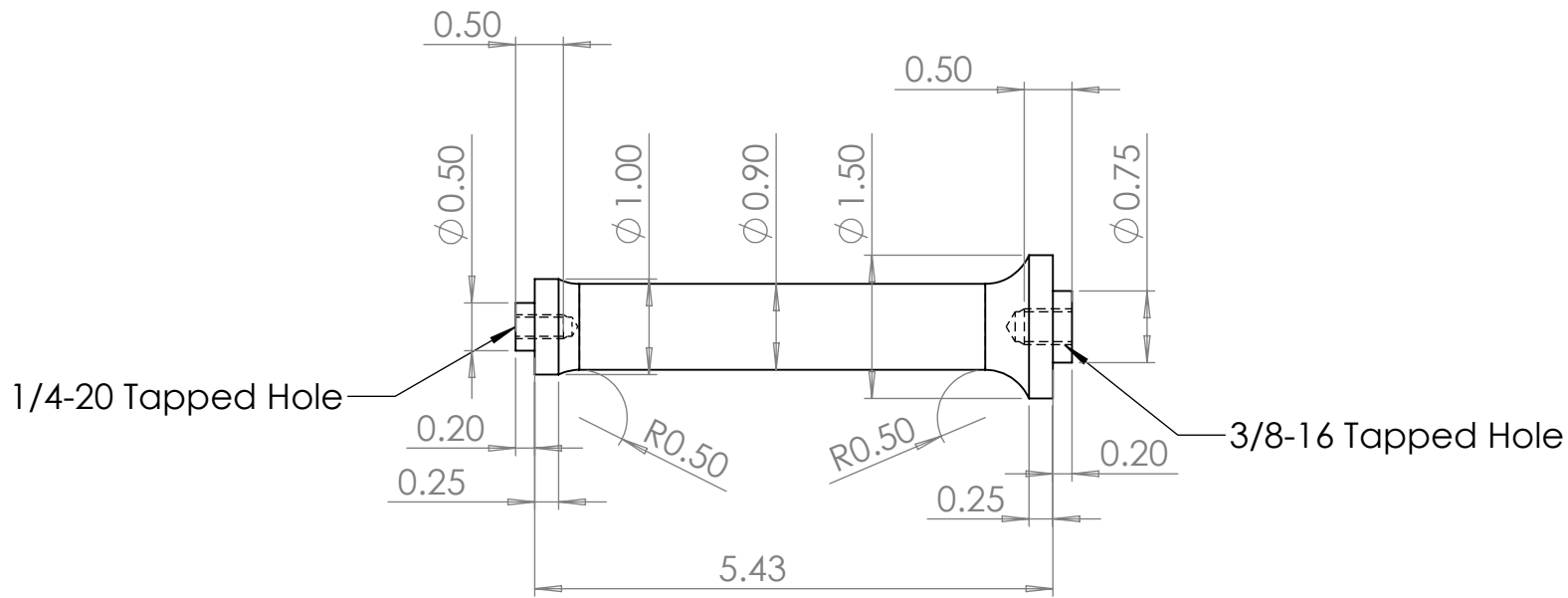
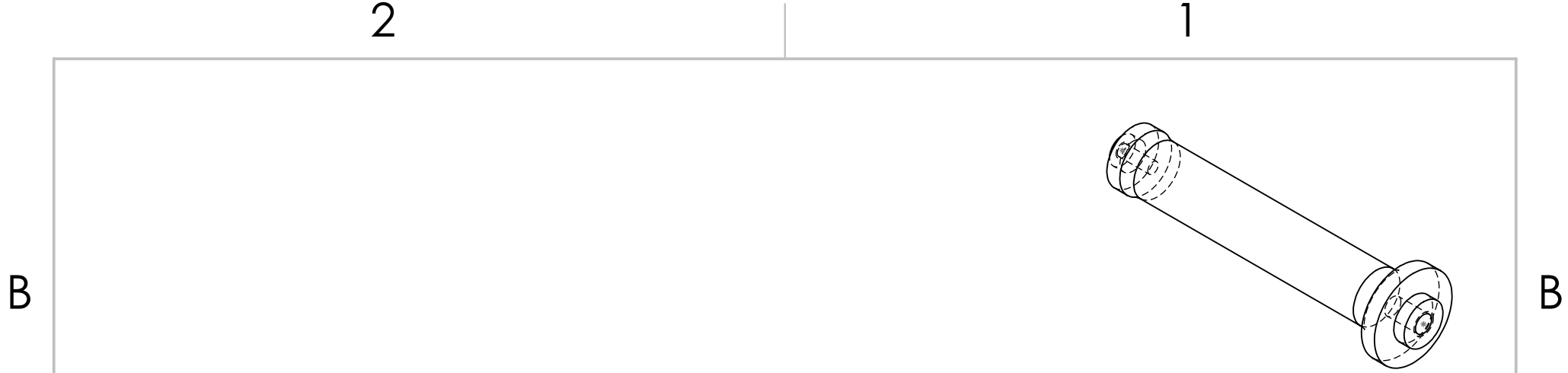
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	DRAWN		
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		
		MATERIAL	ENG APPR.		
		FINISH	MFG APPR.		
NEXT ASSY	USED ON		Q.A.		
APPLICATION	DO NOT SCALE DRAWING		COMMENTS:		

TITLE:		
SIZE	DWG. NO.	REV
20231003	Control motor mount	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

2

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			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN					
			INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED					
			MATERIAL	ENG APPR.					
			FINISH	MFG APPR.					
	NEXT ASSY	USED ON		Q.A.					
	APPLICATION		DO NOT SCALE DRAWING	COMMENTS:					
					SIZE	DWG. NO.	REV		
					SCALE: 1:2	WEIGHT:	SHEET 1 OF 1		

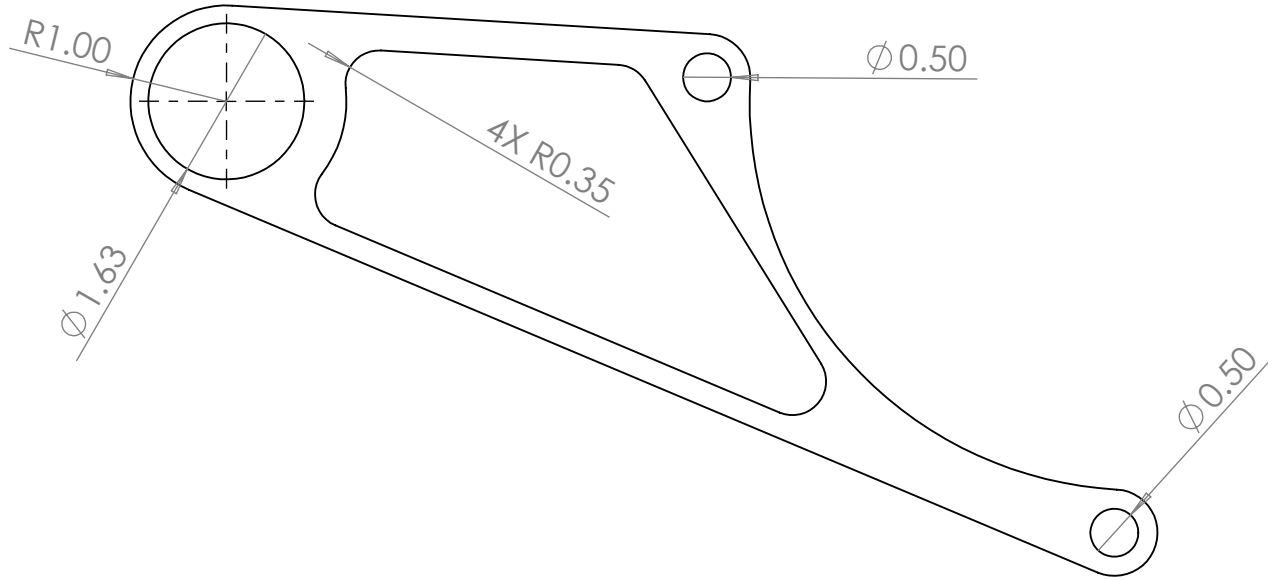
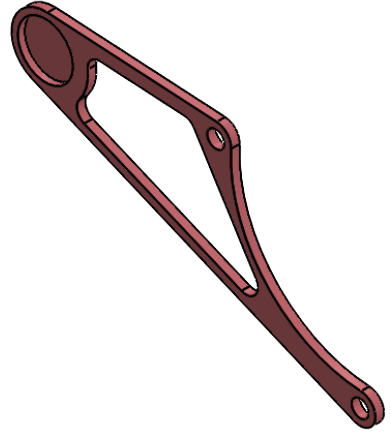
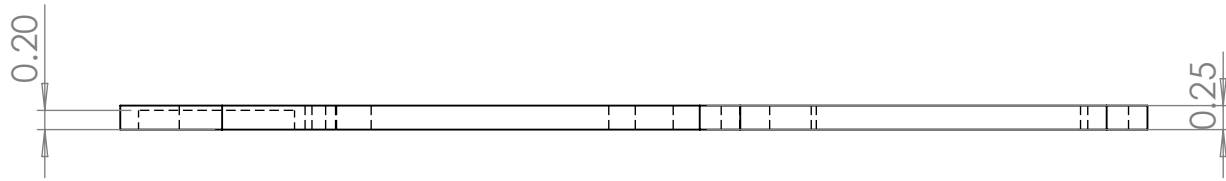
20231003 control motor mount shaft

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH	20231117 gearbox input shaft su		
APPLICATION		DO NOT SCALE DRAWING			

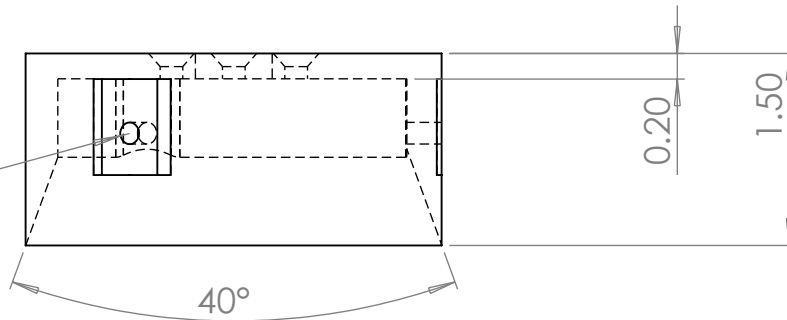
TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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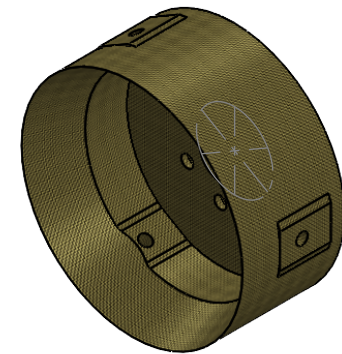
R0.08 THRU



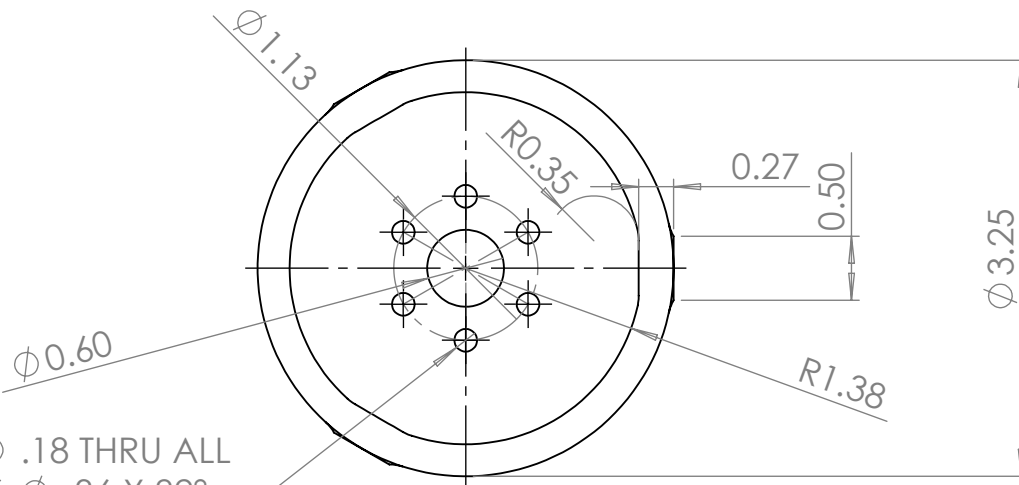
40°

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 $\phi 1.13$

R0.35

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 $\phi 3.25$ $\phi 0.60$

R1.38

6X $\phi .18$ THRU ALL
 $\checkmark \phi .36 \times 82^\circ$

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:					
		DIMENSIONS ARE IN INCHES	DRAWN						SIZE DWG. NO. REV 2023091 A lead screw nut flange SCALE: 1:2 WEIGHT: SHEET 1 OF 1		
		TOLERANCES:	CHECKED								
		FRACTIONAL \pm	ENG APPR.								
		ANGULAR: MACH \pm BEND \pm	MFG APPR.								
		TWO PLACE DECIMAL \pm	Q.A.								
		THREE PLACE DECIMAL \pm	COMMENTS:								
		INTERPRET GEOMETRIC TOLERANCING PER:									
		MATERIAL									
		FINISH									
NEXT ASSY	USED ON	DO NOT SCALE DRAWING									
APPLICATION											

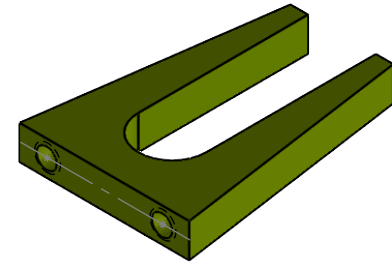
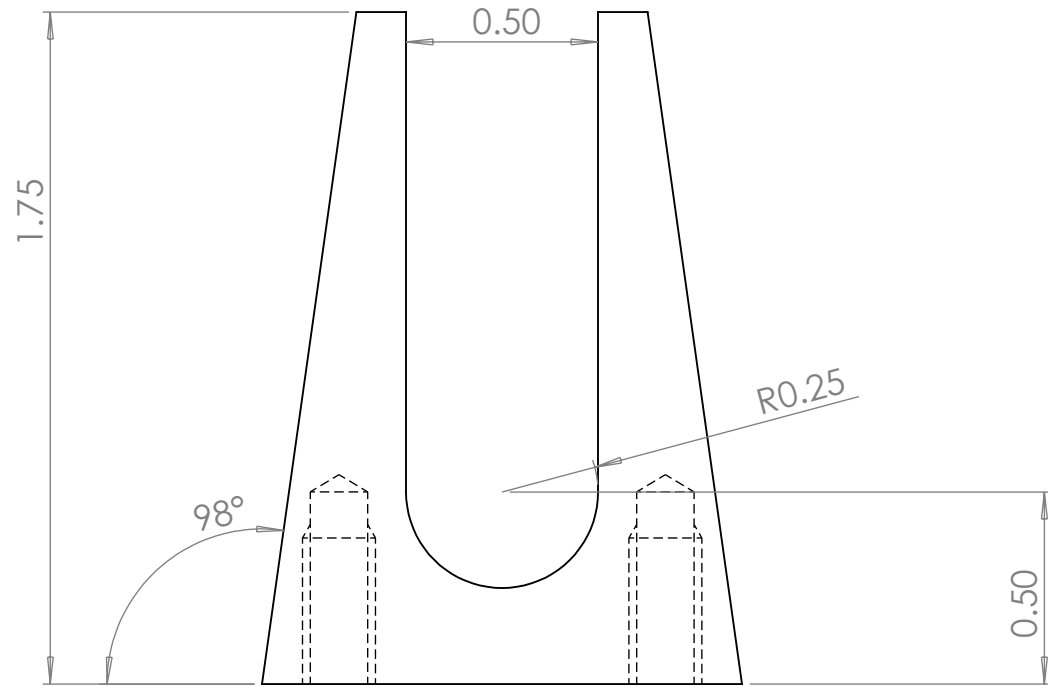
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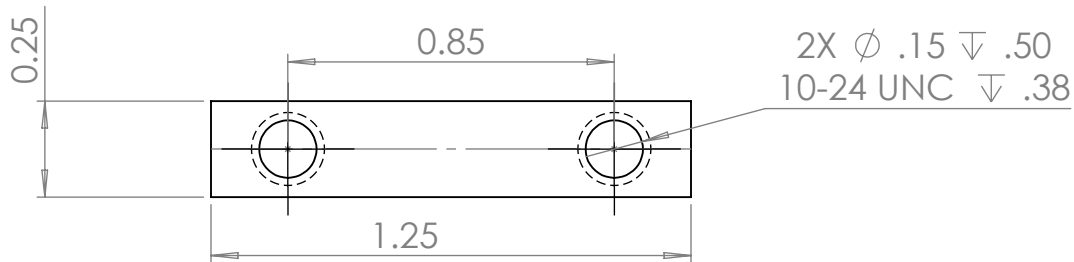
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		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
2023 1005 nut flange forks		
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

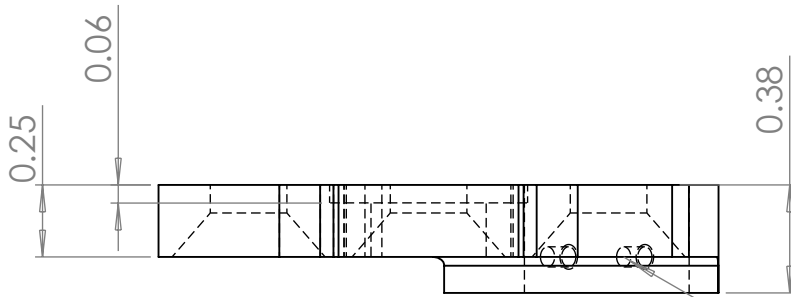
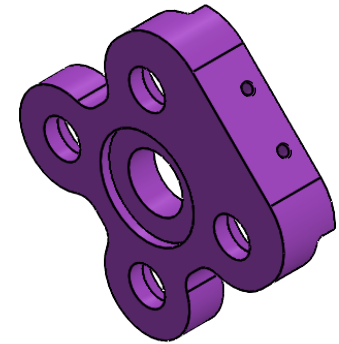
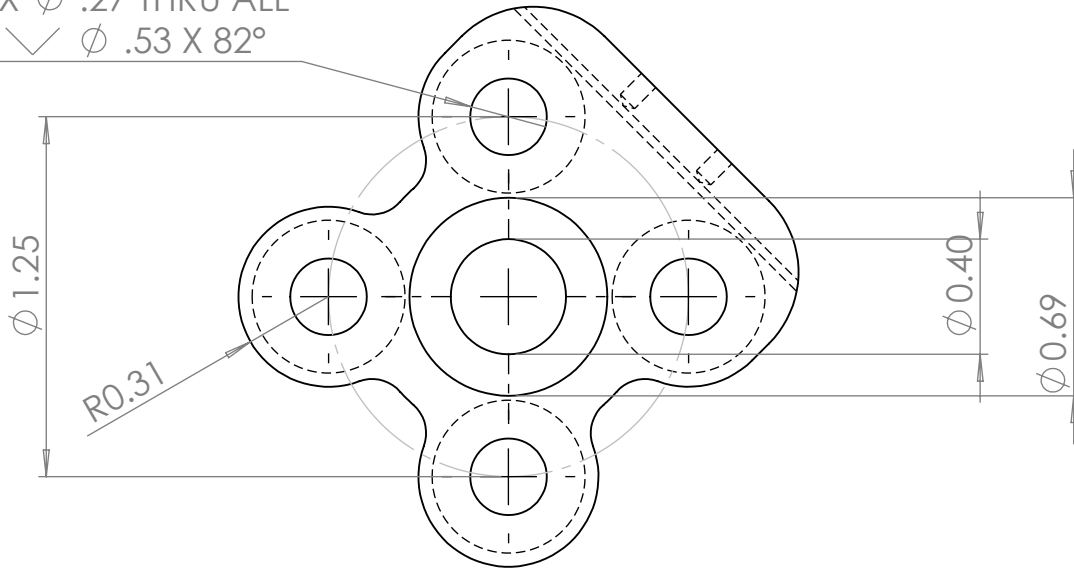
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✓ ϕ .53 X 82°



2X ϕ .07 ∇ .50
2-56 UNC ∇ .17

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		TWO PLACE DECIMAL \pm		Q.A.	
		THREE PLACE DECIMAL \pm		COMMENTS:	
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

	NAME	DATE
	DRAWN	
	CHECKED	
	ENG APPR.	
	MFG APPR.	
	Q.A.	
	COMMENTS:	

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

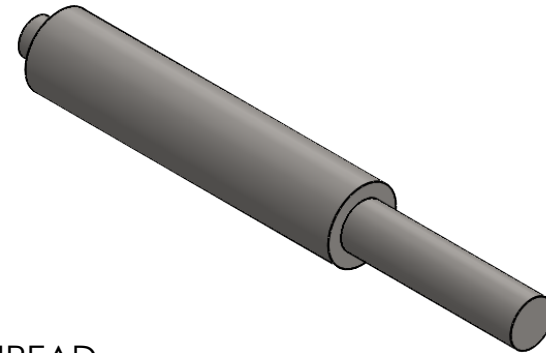
20231003 lead screw bearing nut

2

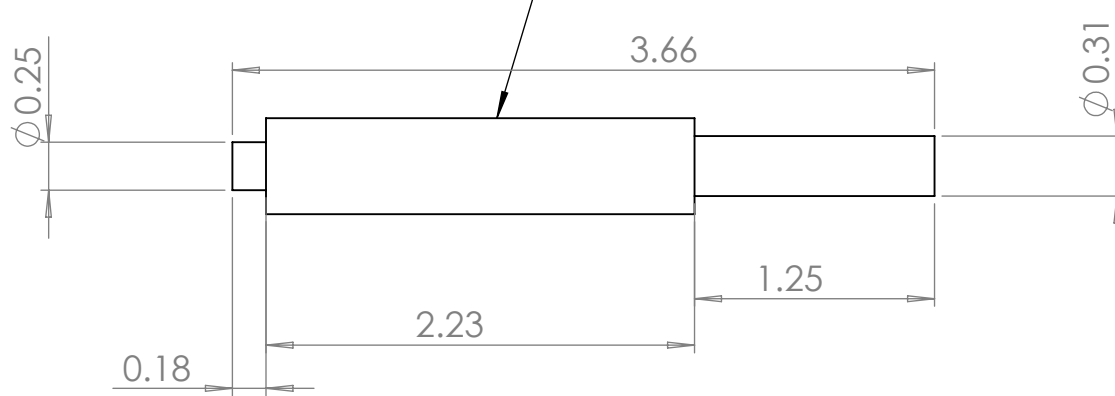
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1/2-10 SINGLE START ACME THREAD



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		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
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NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

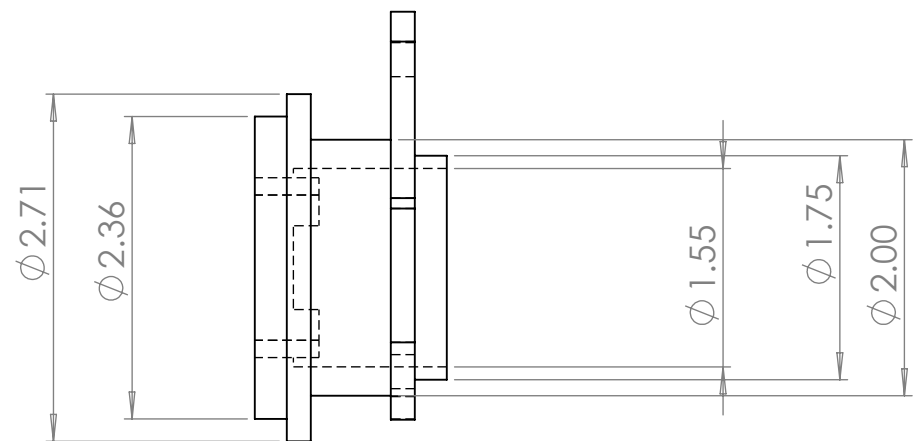
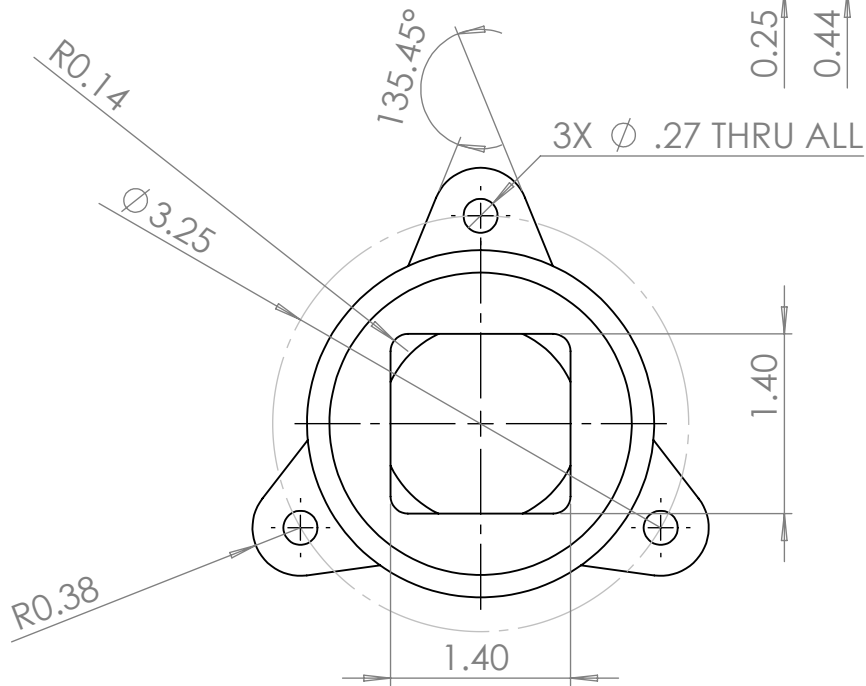
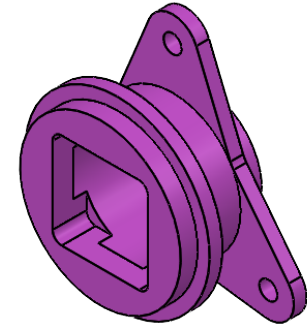
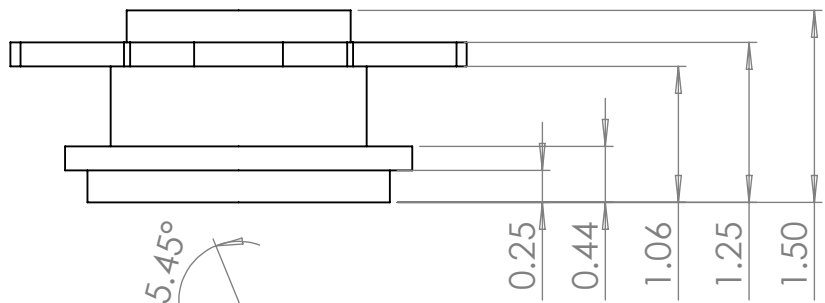
TITLE:		
SIZE	DWG. NO.	REV
2023	0914	lead screw
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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202309 **A3** primary sliding shoe

2

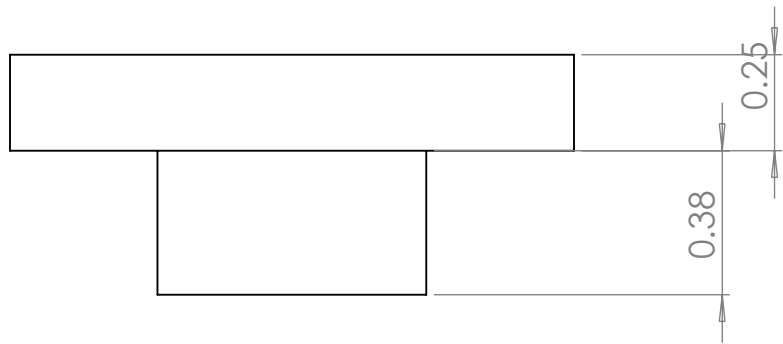
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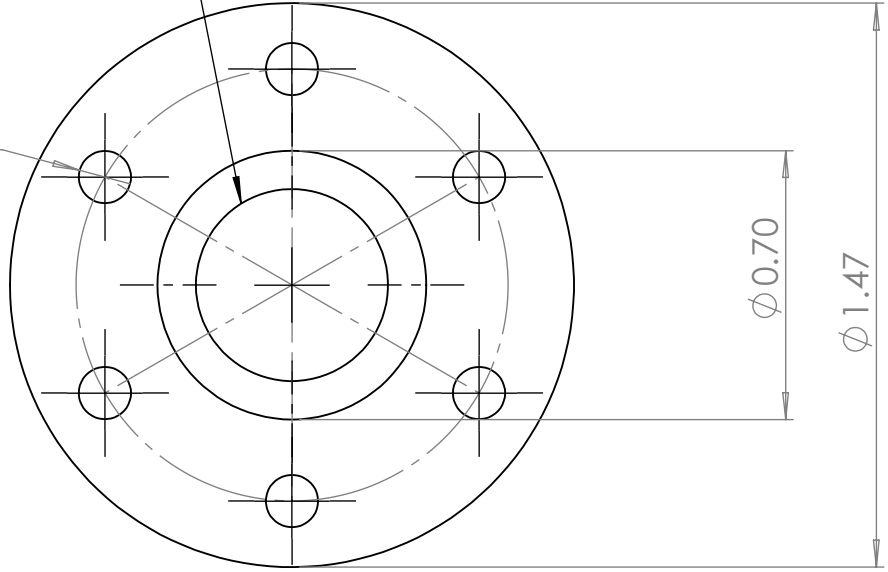
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1/2-10 ACME THREAD THRU ALL

6X ϕ .14 THRU ALL
8-32 UNC THRU ALL



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
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		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

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TITLE:

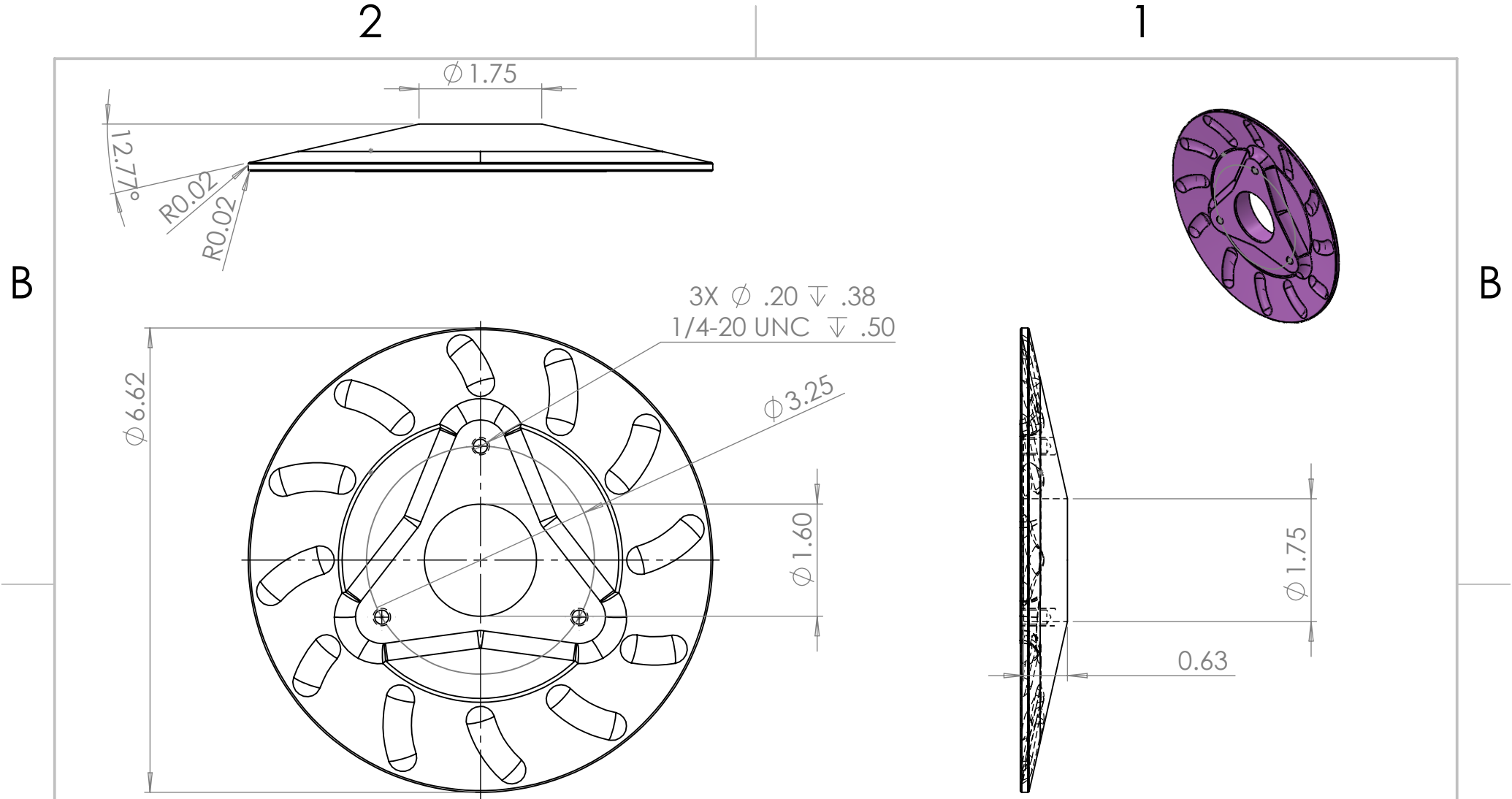
 SIZE DWG. NO. REV

20230914 lead screw nut

SCALE: 2:1 WEIGHT: SHEET 1 OF 1

2

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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

20230905 evt mobile primary s

2

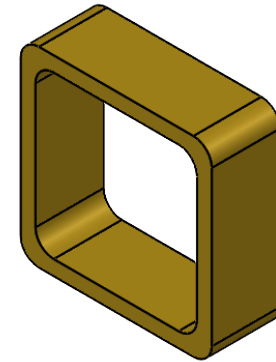
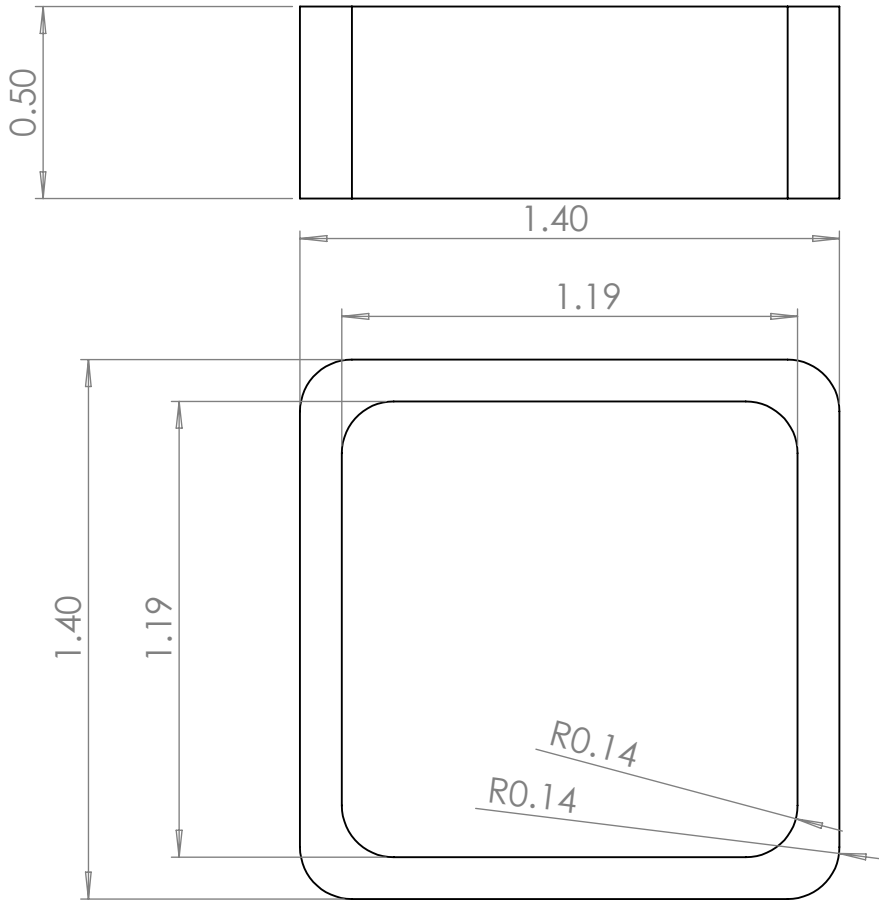
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		FRACTIONAL ±	ENG APPR.		
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		INTERPRET GEOMETRIC TOLERANCING PER:			
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NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

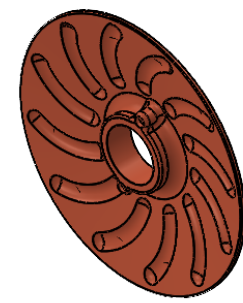
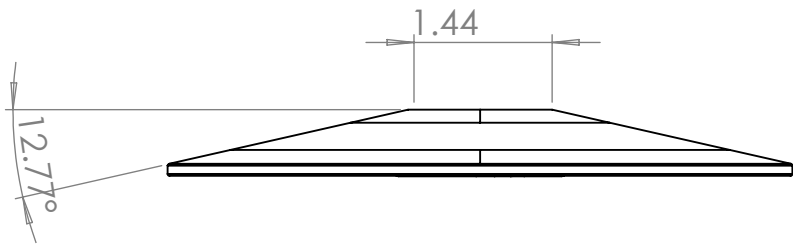
20230913 primary square bush

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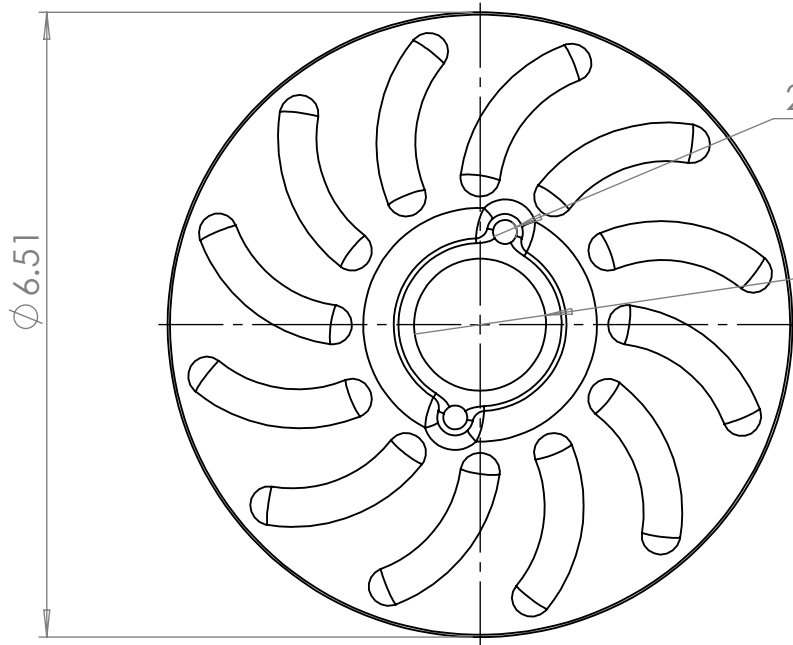
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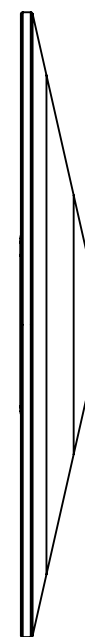


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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

20230905

SIZE	DWG. NO.	REV
	Acvt fixed primary sh	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

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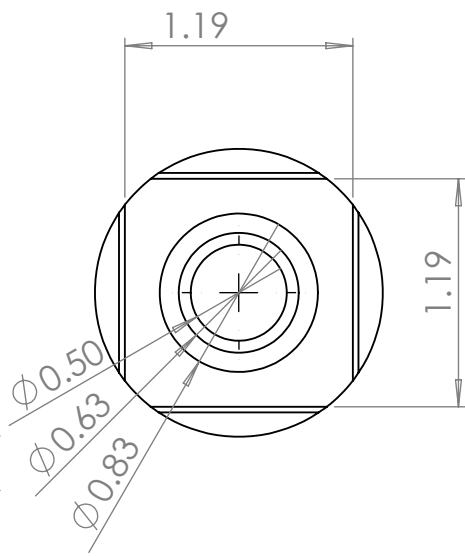
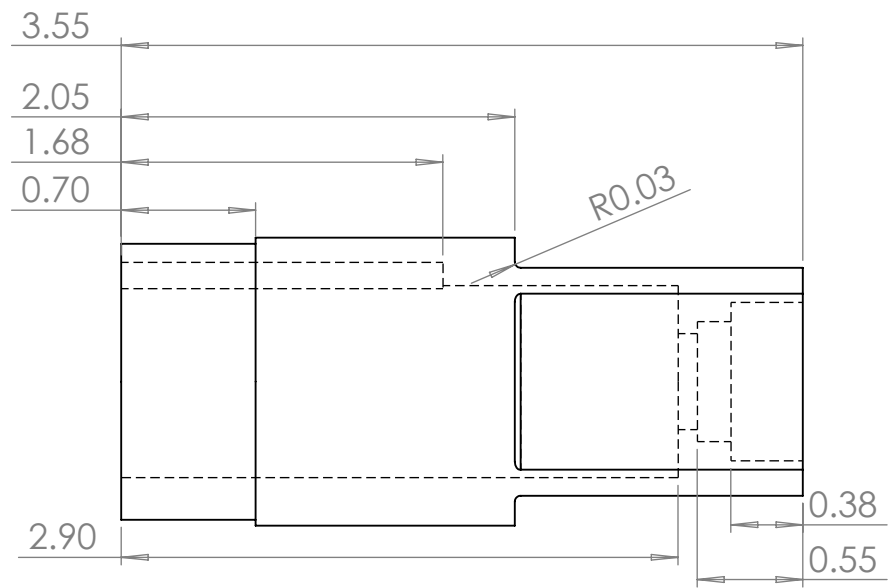
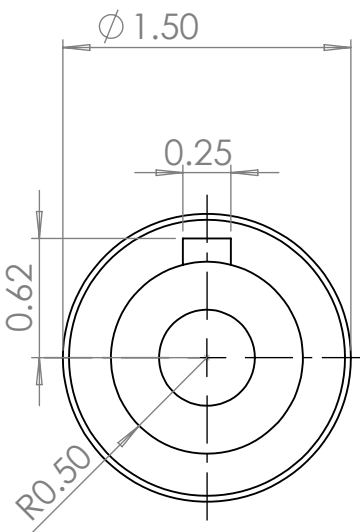
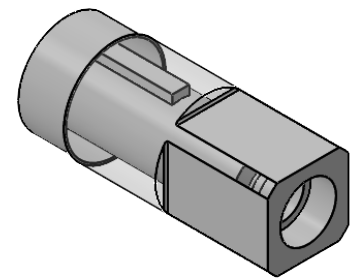
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APPLICATION		DO NOT SCALE DRAWING			

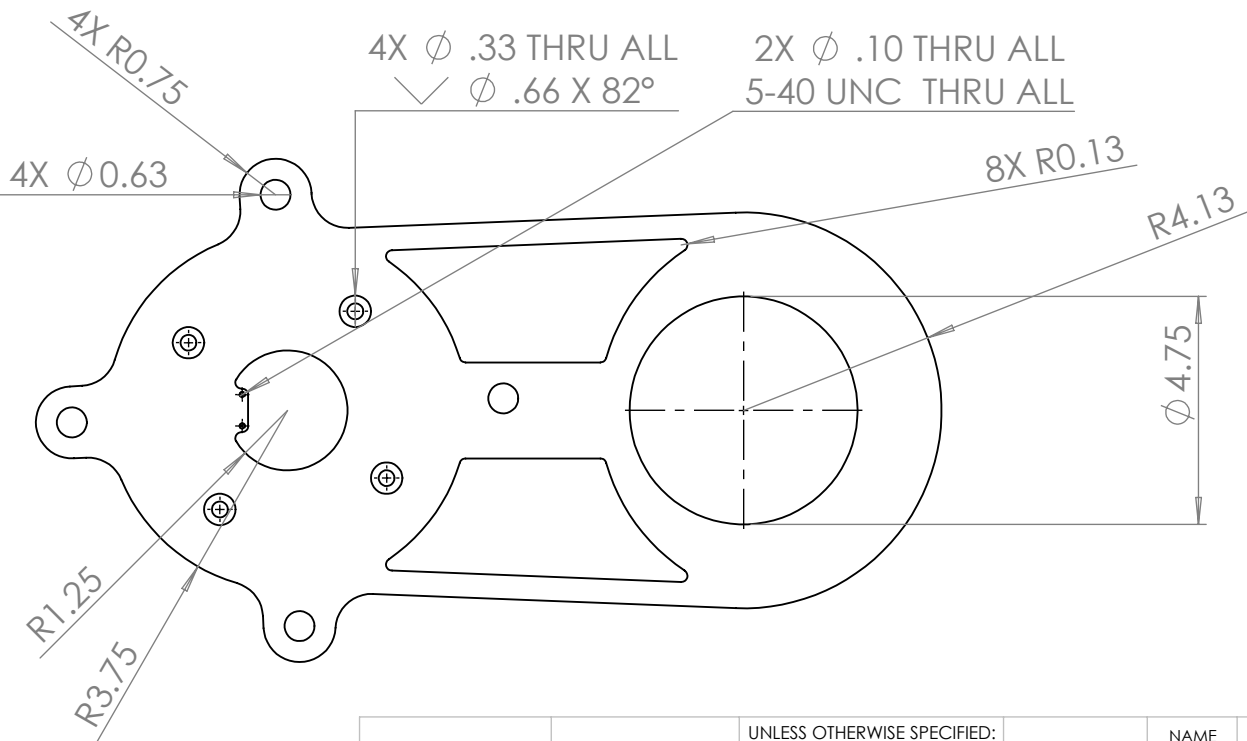
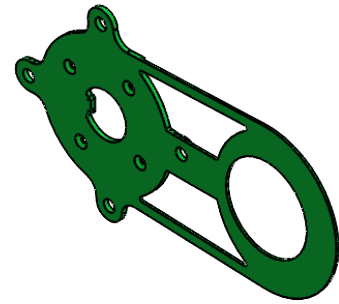
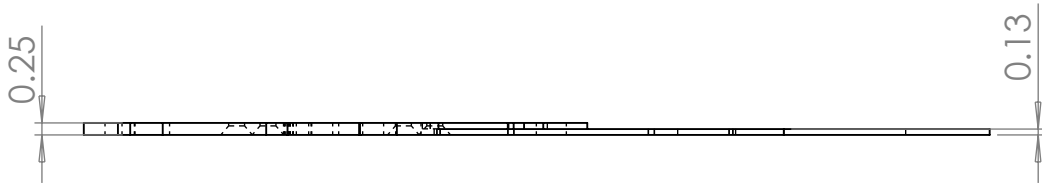
TITLE:		
SIZE	DWG. NO.	REV
20230905 primary shaft		
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

2023A926 cvt backplate

2

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12.77°

R0.02

R0.02

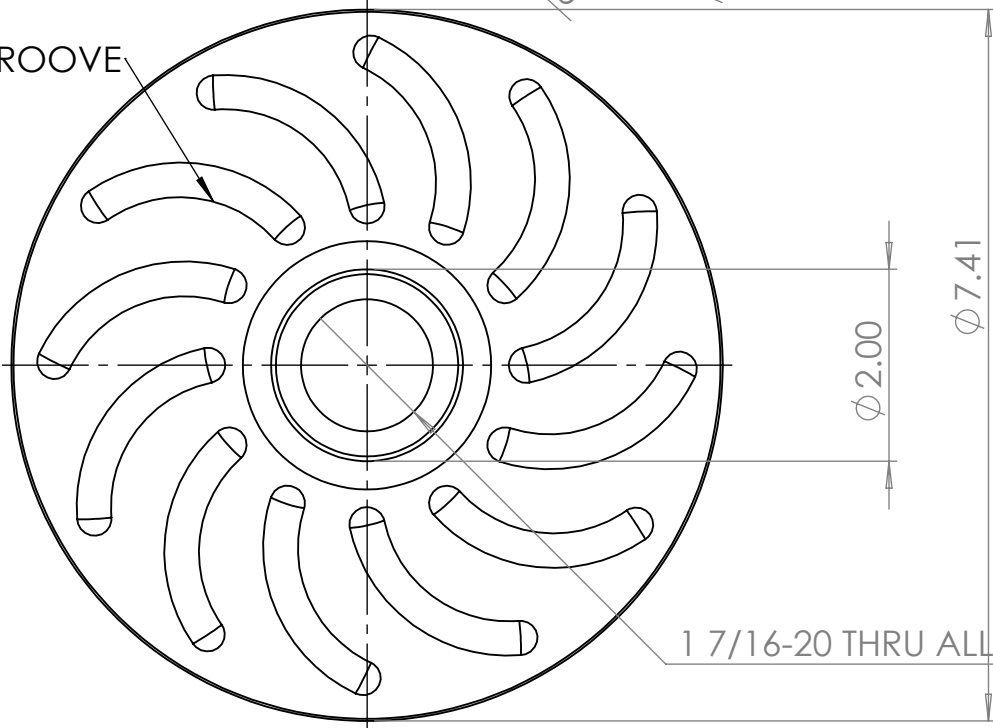
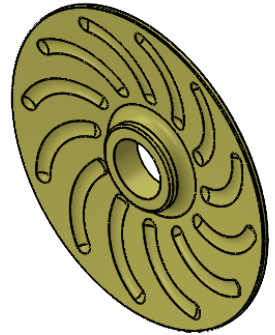
R0.05

R0.25

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12x .50 BALL GROOVE



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DIMENSIONS ARE IN INCHES
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ANGULAR: MACH ± BEND ±
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Q.A.

COMMENTS:

TITLE:

SIZE DWG. NO. REV

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NEXT ASSY

USED ON

APPLICATION

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20230906 Secondary fixed sheave

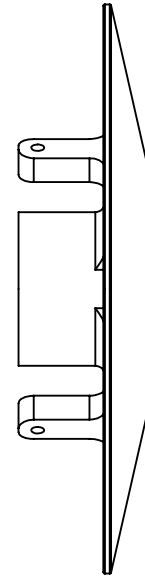
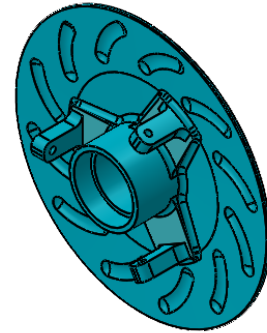
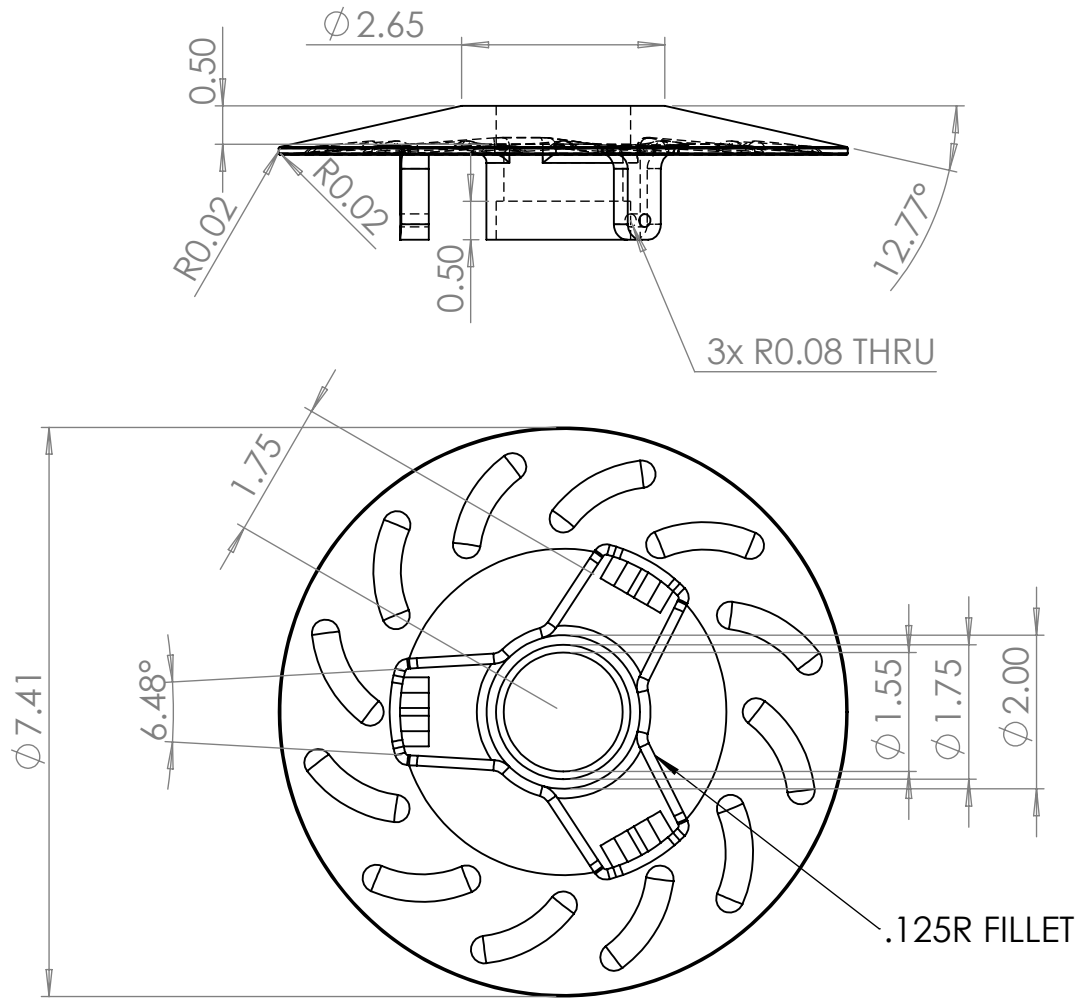
SCALE: 1:4 WEIGHT: SHEET 1 OF 1

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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

20230906 secondary moving shaft

2

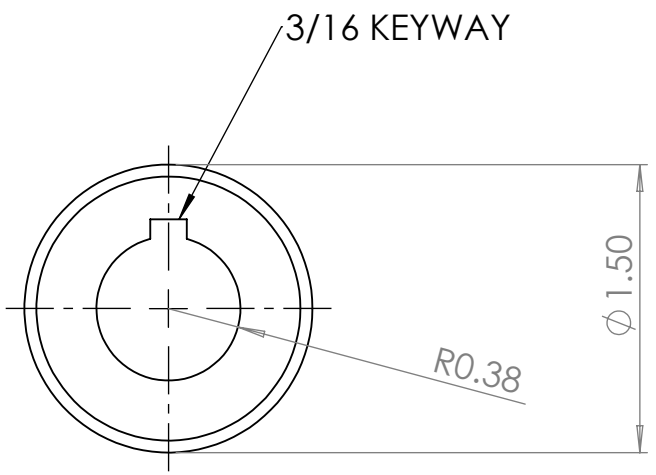
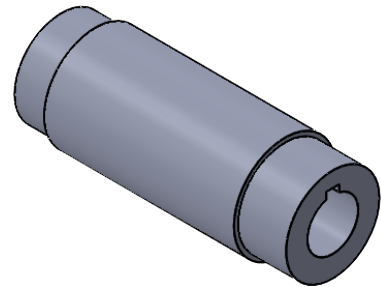
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1 3/8-20 THREAD
CLASS 3

1 7/16-20 THREAD
CLASS 3

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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

20230A 12 secondary shaft

2

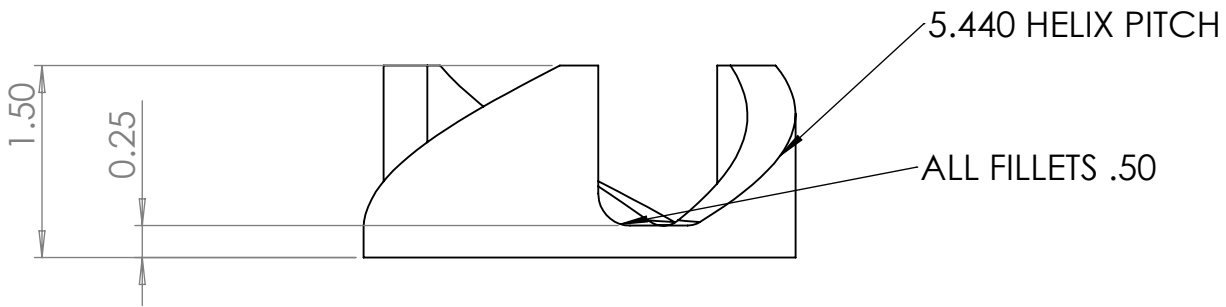
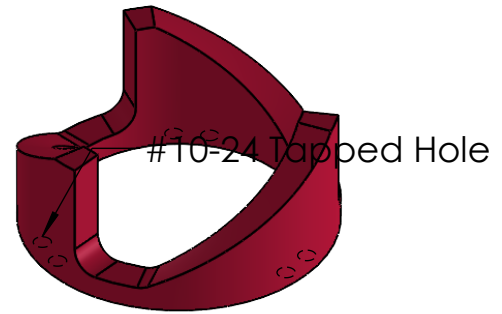
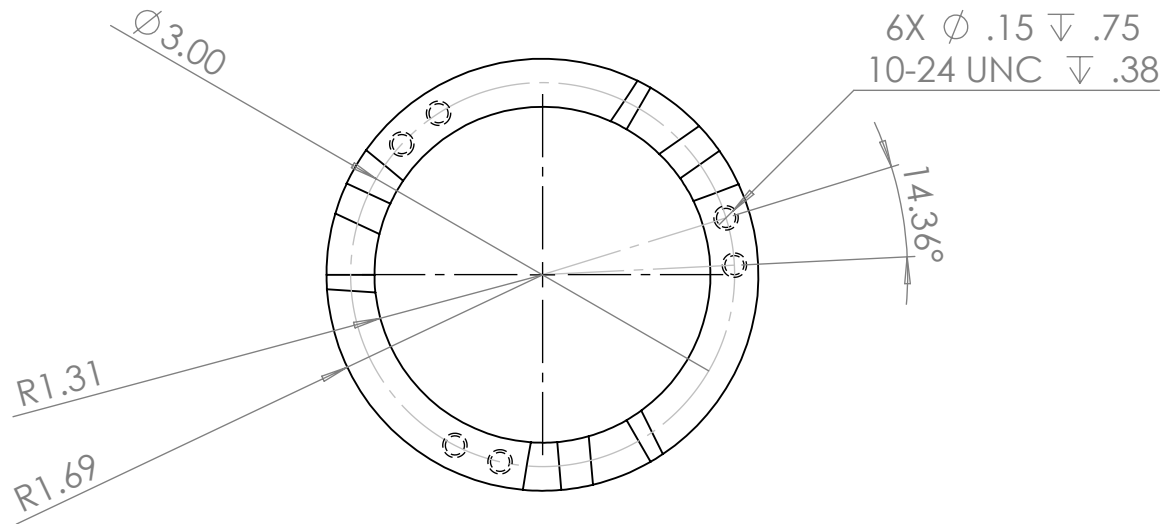
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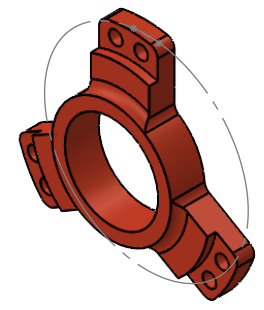
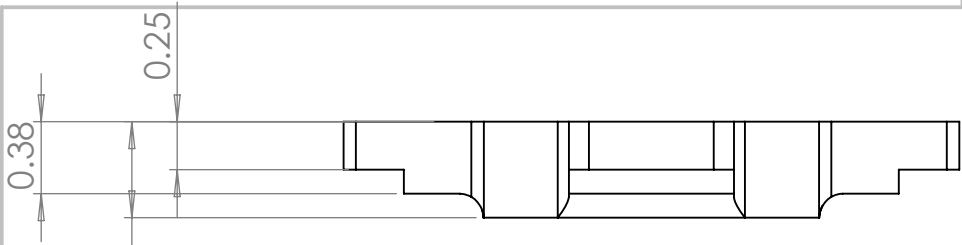
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

20230911 gaged style secondary

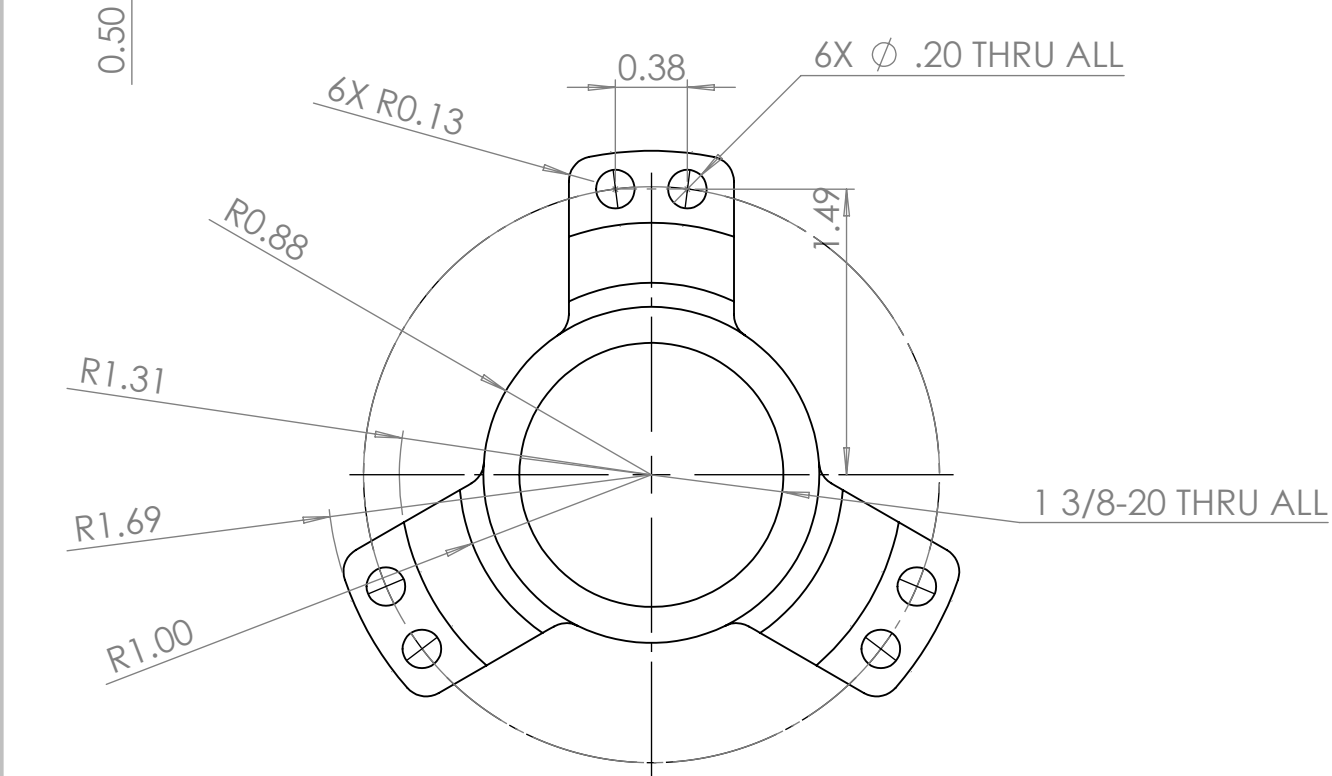
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		TWO PLACE DECIMAL ±	Q.A.		
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NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

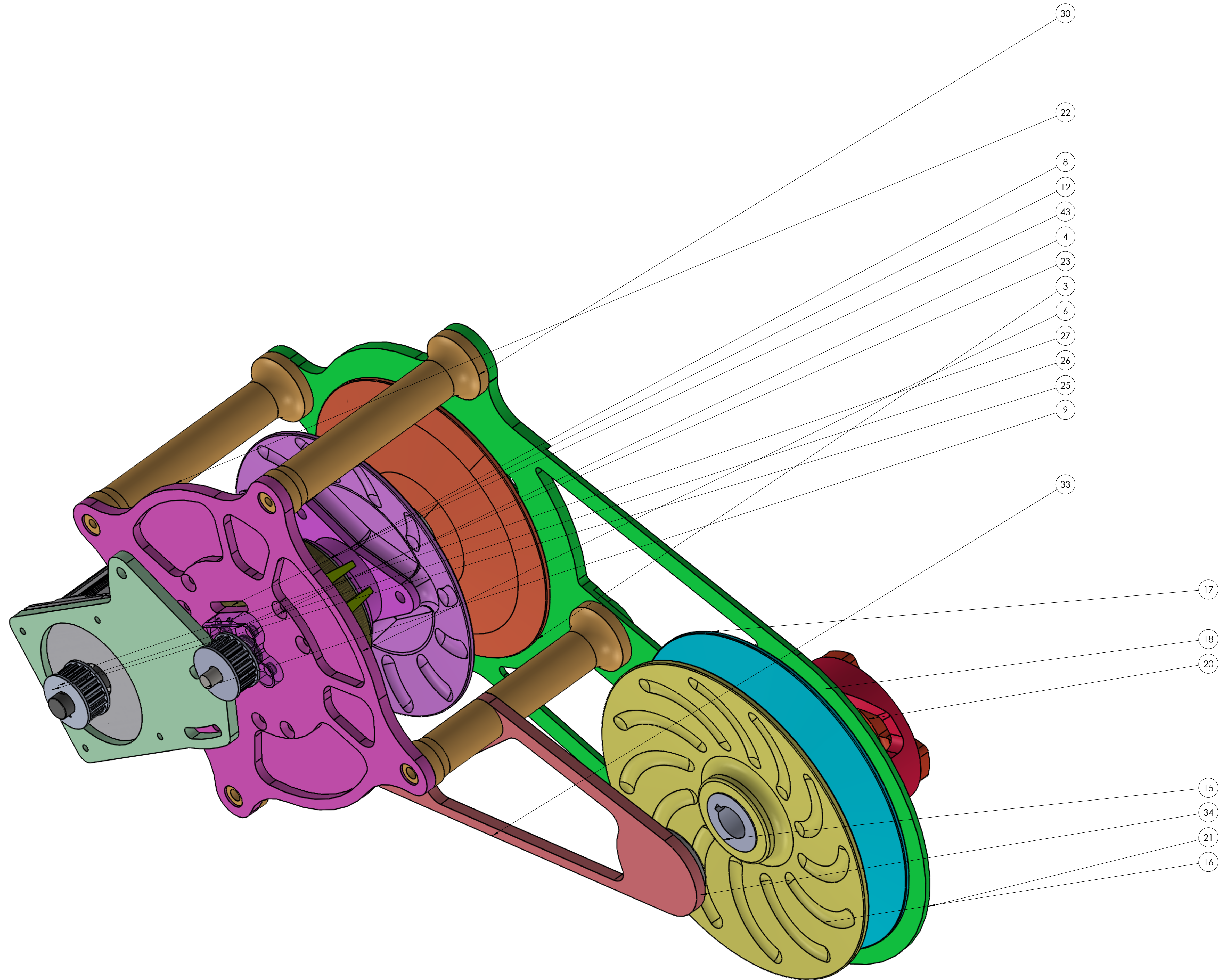
TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

202309 secondary cam r

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PA-D22-077_reduced		1
2	20230905 primary shaft		1
3	20230905 ecvt fixed primary sheave		1
4	20230905 ecvt mobile primary sheave		1
5	20230913 primary square bushing		1
6	20230913 primary sliding shaft		1
7	20230914 lead screw nut		1
8	6656K236	Ultra-Thin Ball Bearing	1
9	20230914 lead screw		1
10	60355K151	Ball Bearing	1
11	20230921 primary moving sheave bushing		1
12	20230914 lead screw nut flange		1
13	socket head cap screw_ai		18
14	socket countersunk head cap screw_ai		20
15	20230912 secondary shaft		1
16	20230906 secondary fixed sheave		1
17	20230906 secondary moving sheave		1
18	20230911 gaged style secondary cam		1
19	1460111	Threaded Black-Oxide Steel Track Roller, Flat	6
20	20230912 secondary cam nut		1
21	20230926 cvt backplate		1
22	20231003 control motor mount plate		1
23	20231003 lead screw bearing mount		1
24	60715K111	One-Piece Steel Thrust Ball Bearing	1
25	20231005 motor mount plate		1
26	M-343x		1
27	20231005 ecvt control pulley	motor	1
28	20231005 ecvt control pulley		1
29	20231005 nut flange forks		3
30	20231003 control motor mount standoffs		2
31	20231003 control motor mount standoffs		2
32	20231003 control motor mount standoffs		2
33	20231117 gearbox input shaft support		1
34	60355K983	Ball Bearing	1
35	20231117 main cvt gaurd		1
36	20231117 cvt gaurd cover		1
37	20231127 secondary gaurd		1
38	20231127 secondary gaurd 2		1
39	20231127 secondary gaurd 3		1
40	flat washer type a wide_ai		8
41	socket buffon head cap screw_ai		3
42	hex bolt_ai		1
43	20231117 limit switch activated		1



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FRACTIONS 1/16	ANGULAR 1/4	ENG APPR:	ENG APPR:
THREE PLACE DECIMAL	1	AVG APPR:	
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APPLICATION	DO NOT SCALE DRAWING		

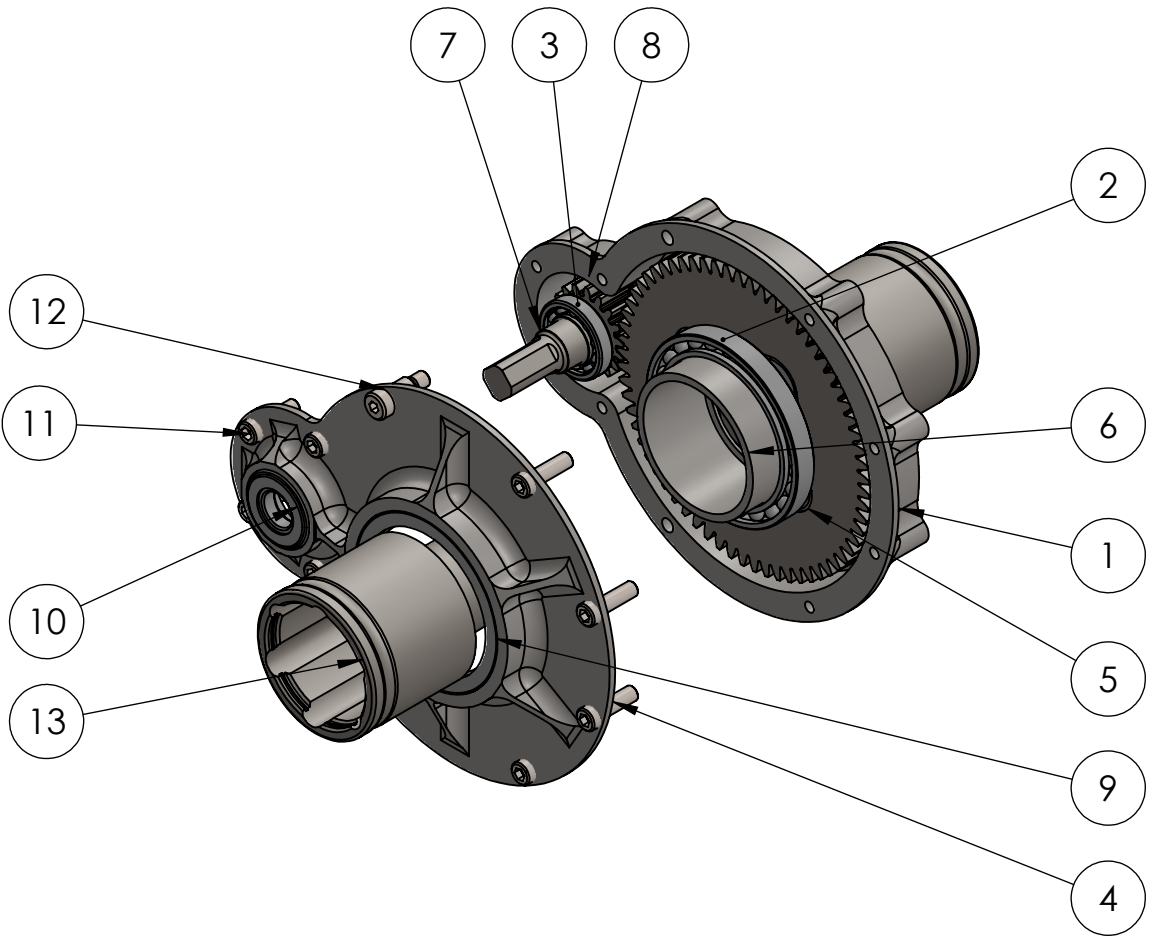
SIZE DWG. NO. REV
Ecvt motor ass
 SCALE: 1:4 WEIGHT: SHEET 1 OF 1

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	20231109 front gearbox driver side	Drive Side Housing	1
2	6656K151	Ultra-Thin Ball Bearing	2
3	60355K178	Ball Bearing	3
4	20231109 front gearbox passenger side	Passenger Side Housing	1
5	20231109 rear gear 5 ver2	Output Gear	1
6	front gear 5 output shaft	Output Shaft	1
7	front input shaft	front input shaft	1
8	20231109 rear gear 4	Input Gear	1
9	SKF_65X80X8 CRW1 R	Seal	2
10	SKF 7438	Seal	1
11	socket head cap screw_ai1	Head Cap Screw	8
12	socket head shoulder screw	Shoulder Screw	2
13	front cv cup 1	CV Cup	2

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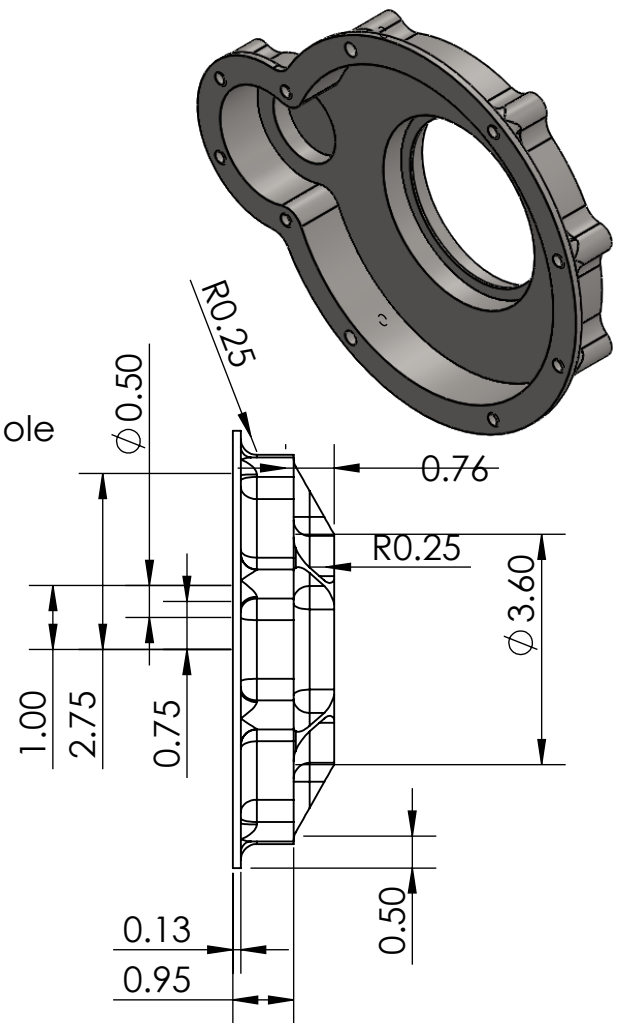
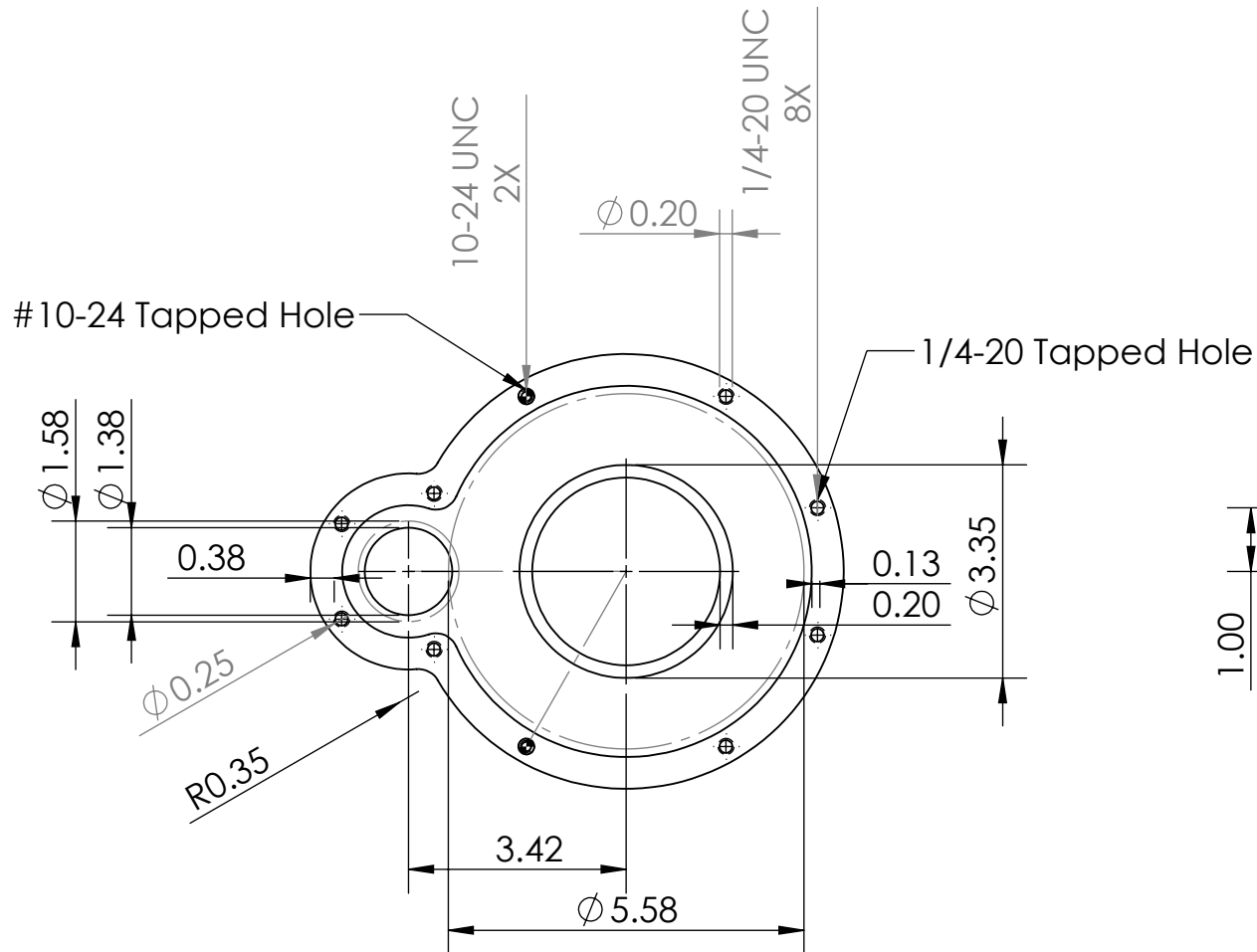
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		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
	APPLICATION	DO NOT SCALE DRAWING		

TITLE:		
Front Gearbox		
SIZE	DWG. NO.	REV
A	Front gearbox assembly	
SCALE: 1:8	WEIGHT:	SHEET 1 OF 12

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		THREE PLACE DECIMAL \pm	COMMENTS:	
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NEXT ASSY	USED ON			
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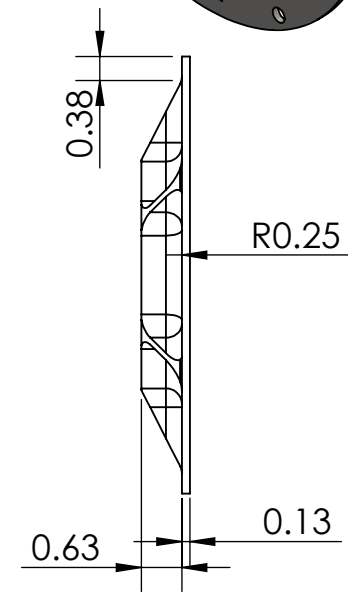
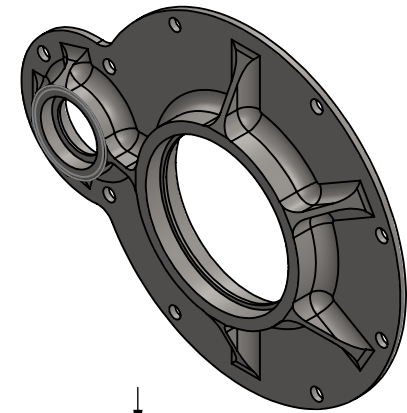
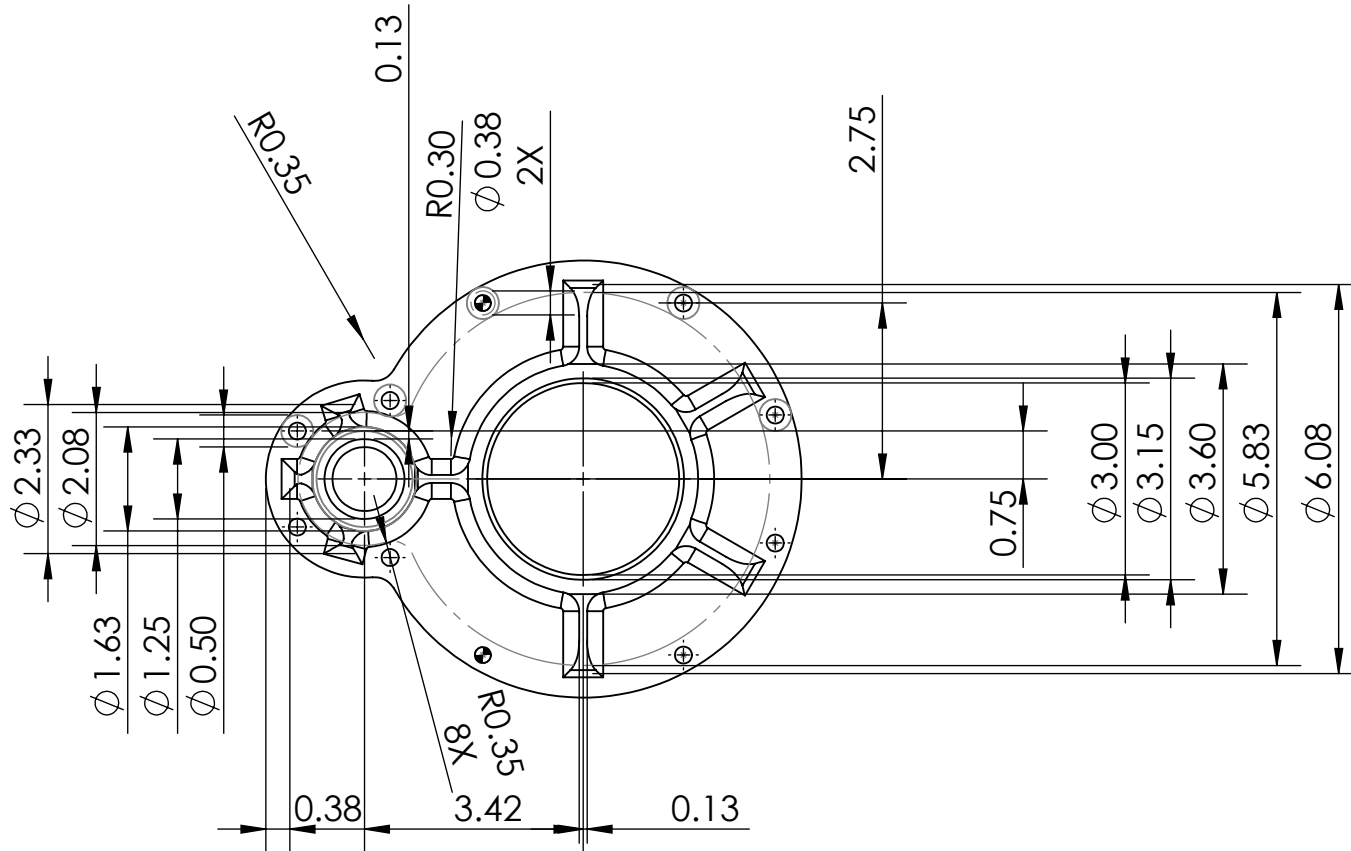
TITLE:

Driver Side Housing

SIZE	DWG. NO.	REV
A	Front Gearbox Driver side	

SCALE: 1:2	WEIGHT:	SHEET 2 OF 12
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

Passenger Side Housing

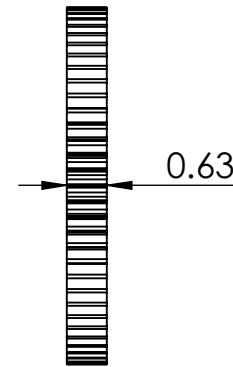
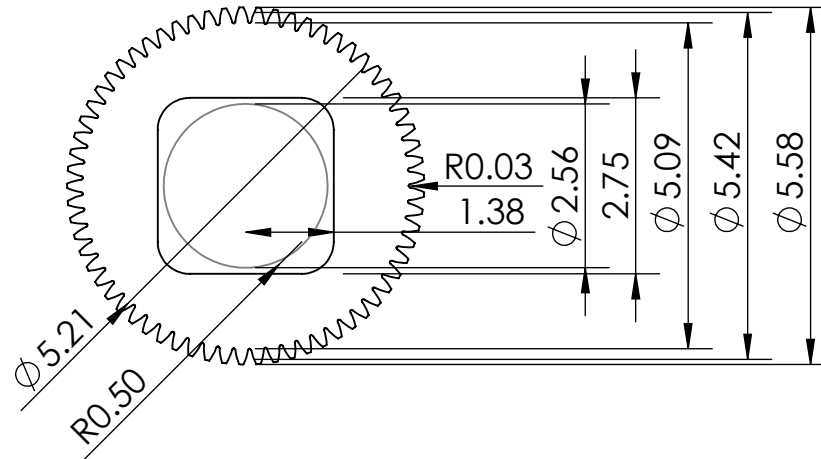
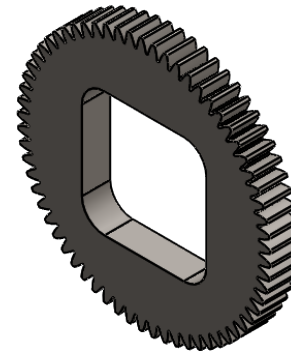
SIZE	DWG. NO.	REV
A	Front Gearbox Passenger Side	
SCALE: 1:2	WEIGHT:	SHEET 3 OF 12

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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Output Gear		
SIZE A	DWG. NO. Output Gear	REV
SCALE: 1:2	WEIGHT:	SHEET 4 OF 12

2

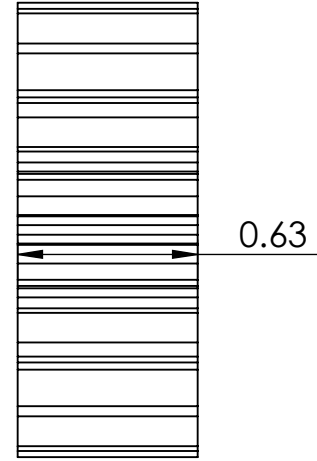
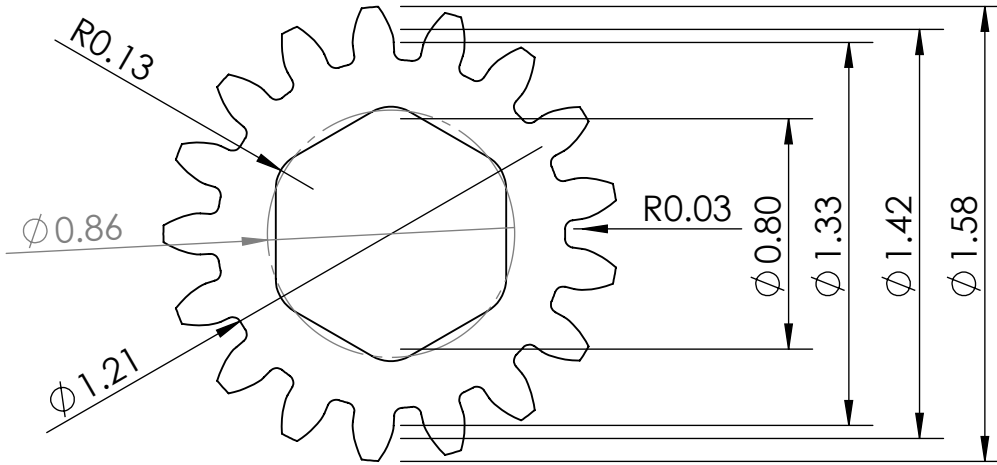
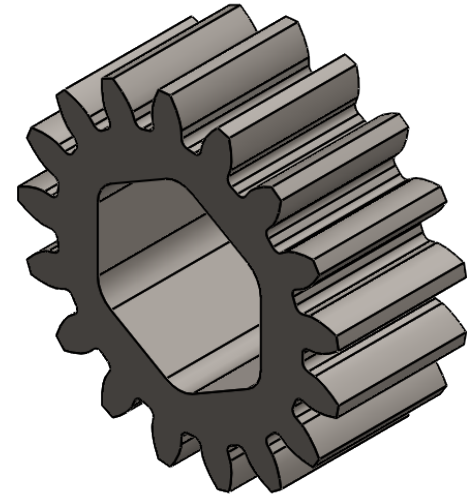
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Input Gear</h1>		
SIZE	DWG. NO.	REV
A	Input Gear	
SCALE: 2:1	WEIGHT:	SHEET 5 OF 12

2

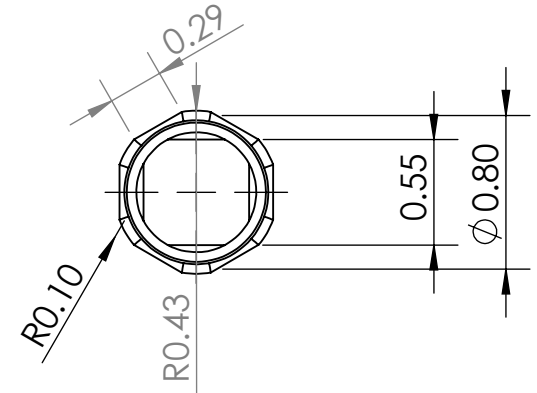
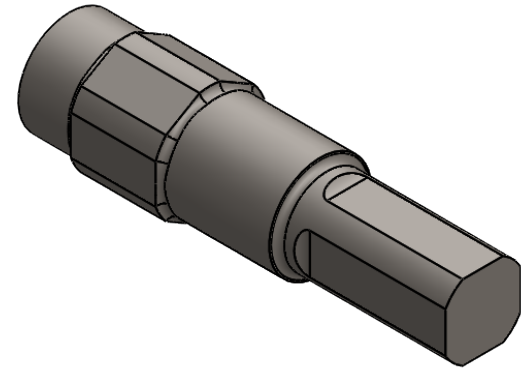
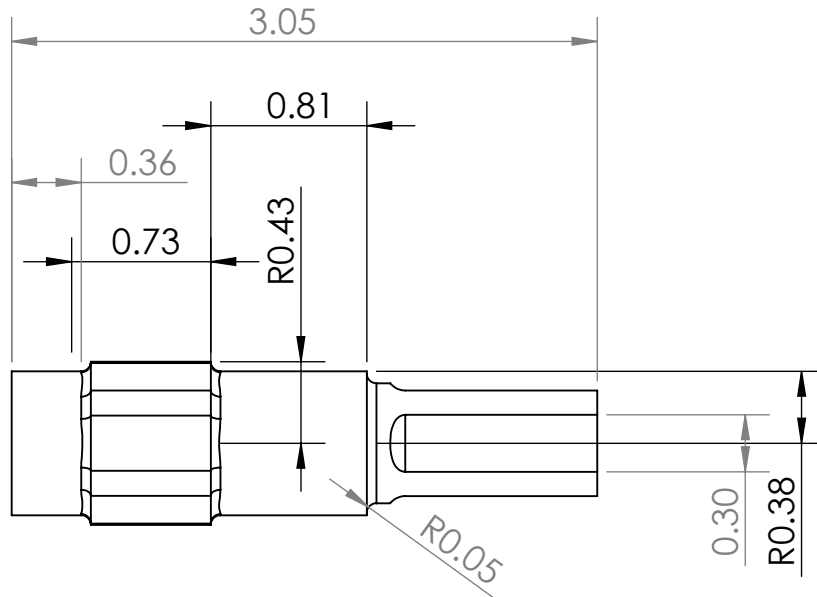
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Input Shaft		
SIZE	DWG. NO.	REV
A	Input Shaft	
SCALE: 1:1	WEIGHT:	SHEET 6 OF 12

2

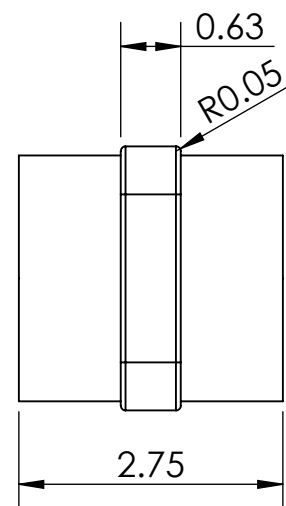
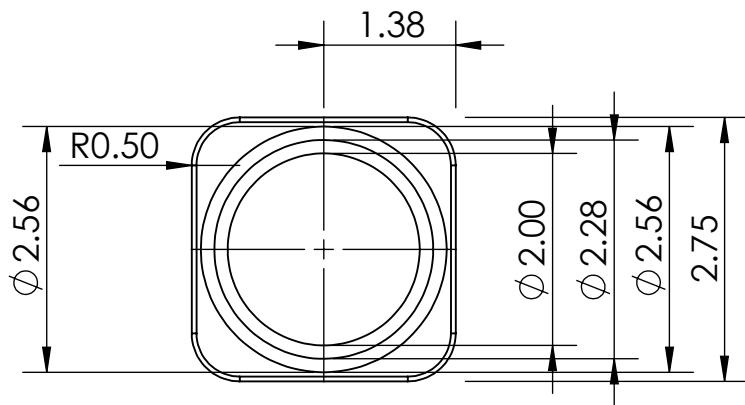
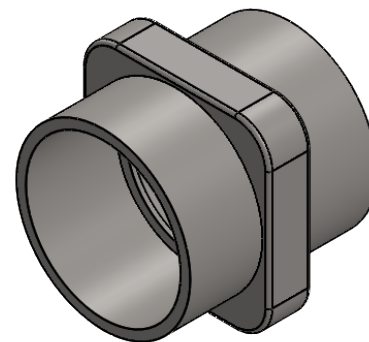
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Output Shaft		
SIZE A	DWG. NO. Output Shaft	REV
SCALE: 1:2	WEIGHT:	SHEET 7 OF 12

2

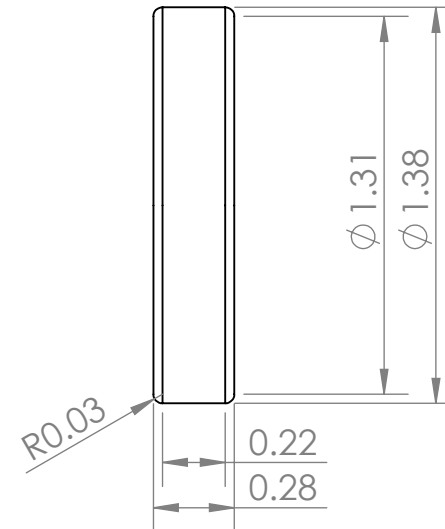
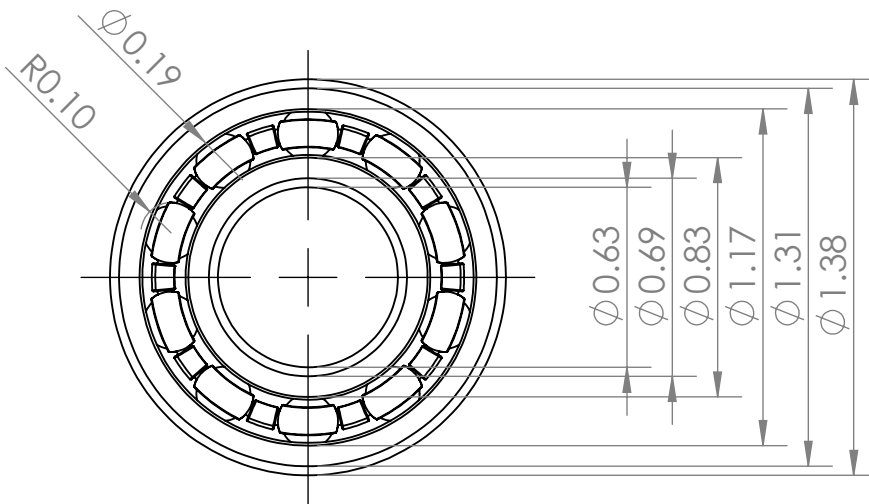
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
60355K178_Ball Bearing

SIZE **A** DWG. NO. 60355K178_Ball Bearing REV

SCALE: 2:1 WEIGHT: SHEET 8 OF 12

2

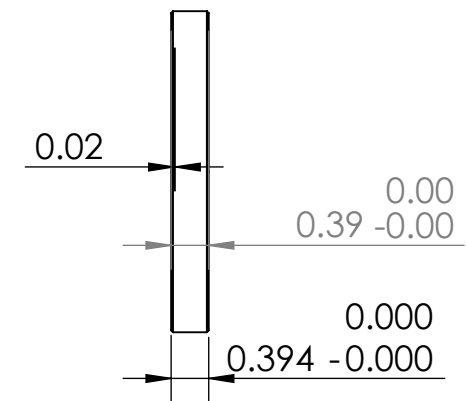
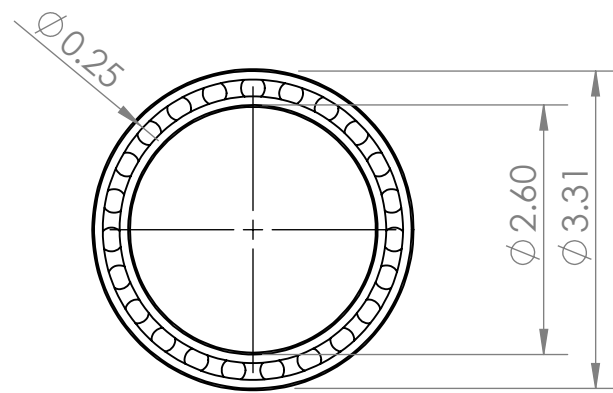
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		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Ultra Thin Ball Bearing		
SIZE A	DWG. NO. 6656K151_Ultra-Thin Ball Bearing	REV
SCALE: 1:1	WEIGHT:	SHEET 9 OF 12

2

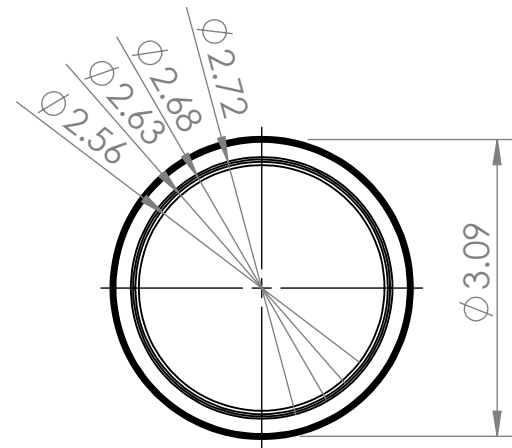
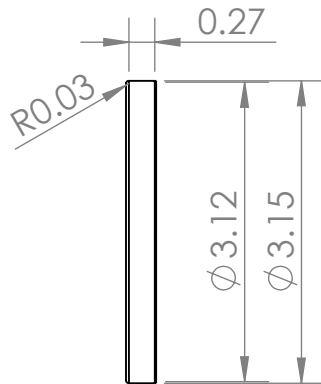
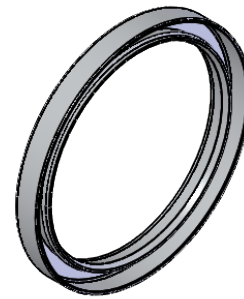
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: SKF Output Bearing Seal		
SIZE A	DWG. NO. SKF_65X80X8 CRW1 R	REV
SCALE: 1:2	WEIGHT:	SHEET 10 OF 12

2

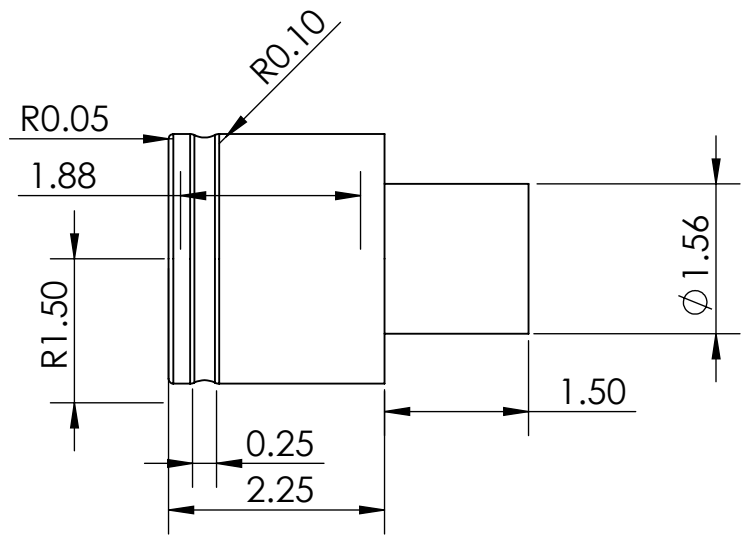
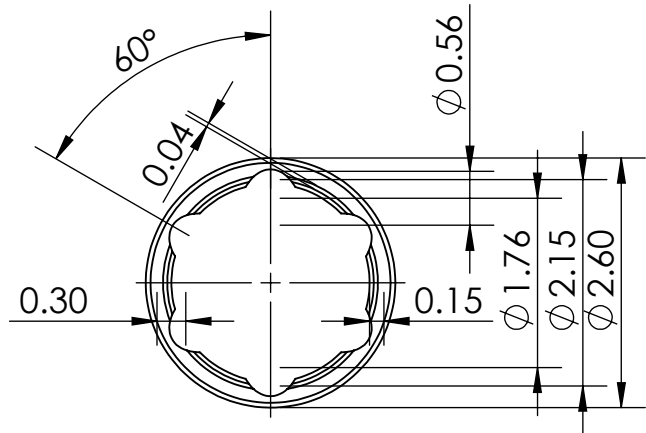
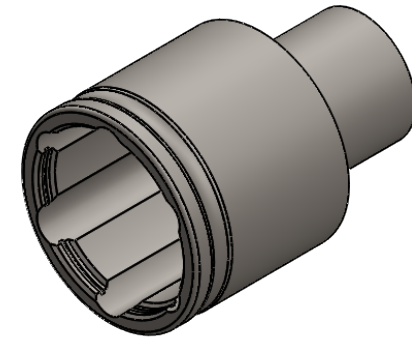
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>CV Cup</h1>		
SIZE	DWG. NO.	REV
A	CV Cup	
SCALE: 1:2	WEIGHT:	SHEET 11 OF 12

2

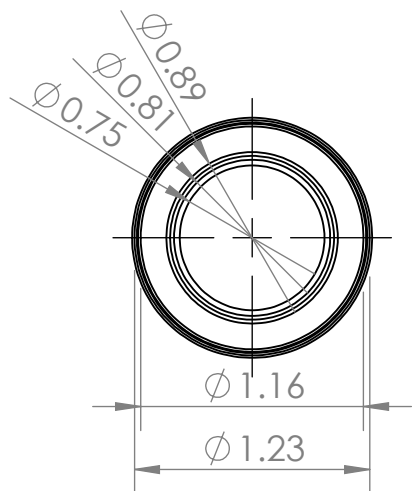
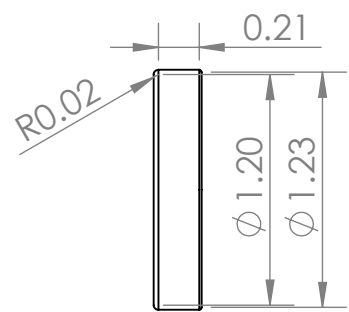
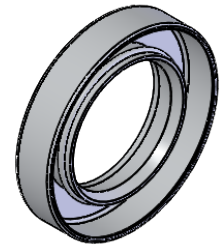
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: SKF Input Bearing Seal		
SIZE A	DWG. NO. SKF Input Bearing Seal	REV
SCALE: 1:1	WEIGHT:	SHEET 12 OF 12

2

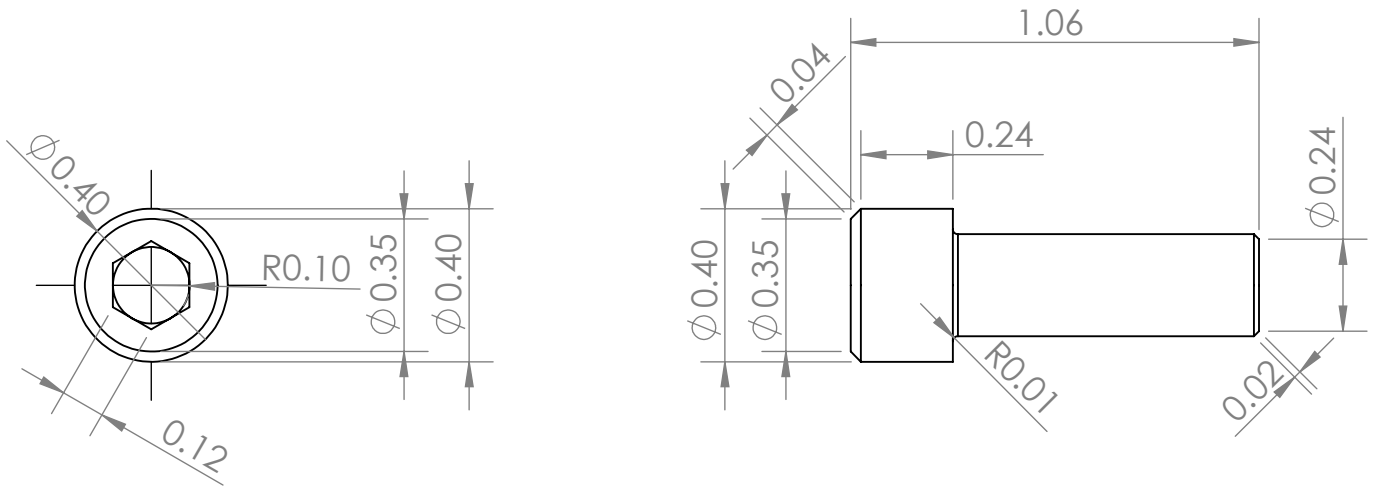
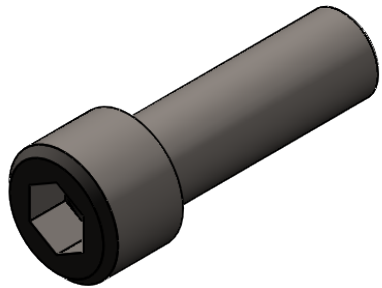
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		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Socket Head Cap Screw		
SIZE	DWG. NO.	REV
A	socket head cap screw_ai1	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

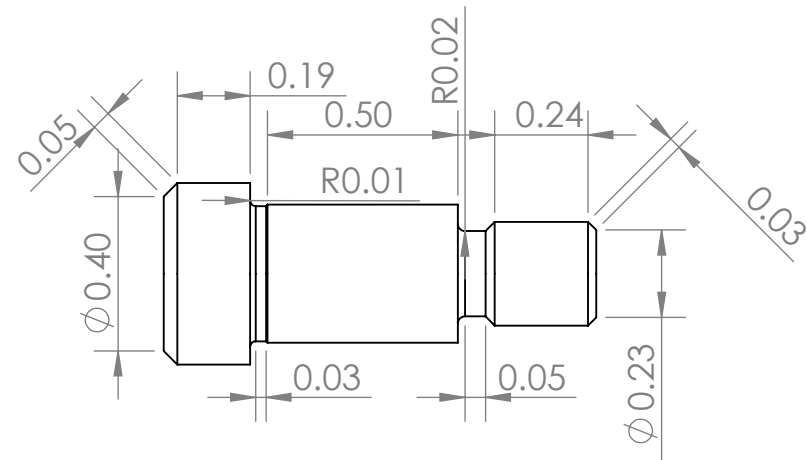
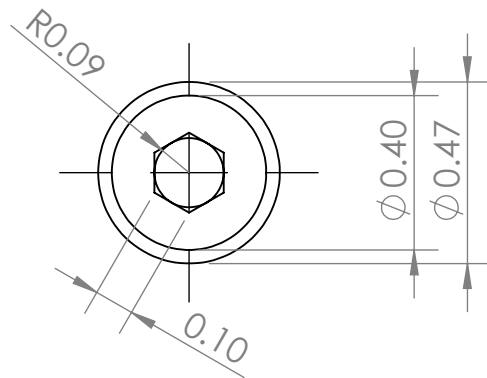
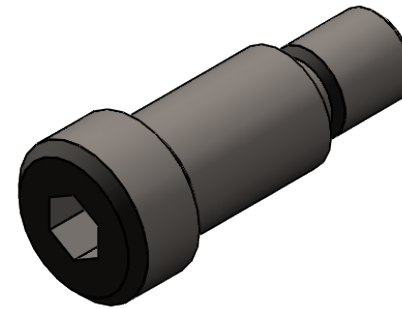
1

2

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B

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

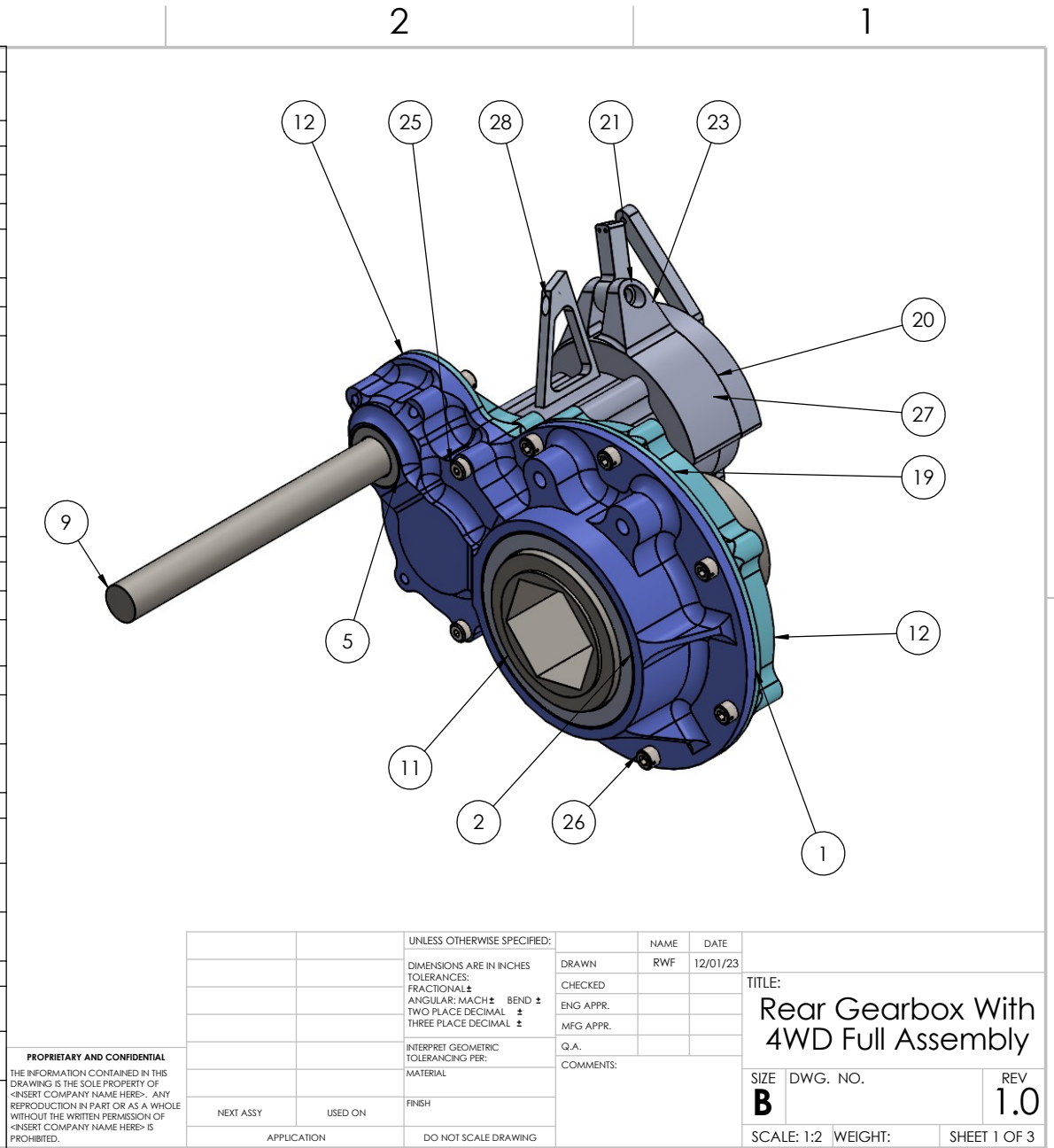
TITLE:
Shoulder Screw

SIZE	DWG. NO.	REV
A	socket head shoulder screw	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	20231109 rear driver gearbox case		1
2	SKF_80X100X10 CRW1 R		1
3	6656K245	Ultra-Thin Ball Bearing	1
4	60355K185	Ball Bearing	3
5	SKF_7438		2
6	20231109 rear gearbox intermediate shaft		1
7	20231109 rear gear 3		1
8	20231109 rear gear 4		1
9	20231109 rear input shaft		1
10	20231109 rear gear 2		1
11	20231109 rear gear 5		1
12	20231109 rear pasenger gearbox case		1
13	60355K178	Ball Bearing	1
14	SKF_65X80X8 CRW1 R		1
15	6656K151	Ultra-Thin Ball Bearing	1
16	3 Tooth Spiral Jaw (1)		1
17	Official Pulley Design (1)		1
18	60355K733	Ball Bearing	2
19	20231112 gearbox pully sheild		1
20	20231112 shift fork mount gaurd		1
21	20231112 shift fork		1
22	1460T11	Threaded Black-Oxide Steel Track Roller, Flat	2
23	20231112 dog clutch cap		1
24	6391K33	Oil-Embedded Bronze Sleeve Bearing	1
25	SHSSCREW 0.25x1.5-N		2
26	HD2-SHCS 0.25-20x0.75x0.75-N		10
27	20231127 engagement cable mount		1
28	202331127 disengagement cable mount		1



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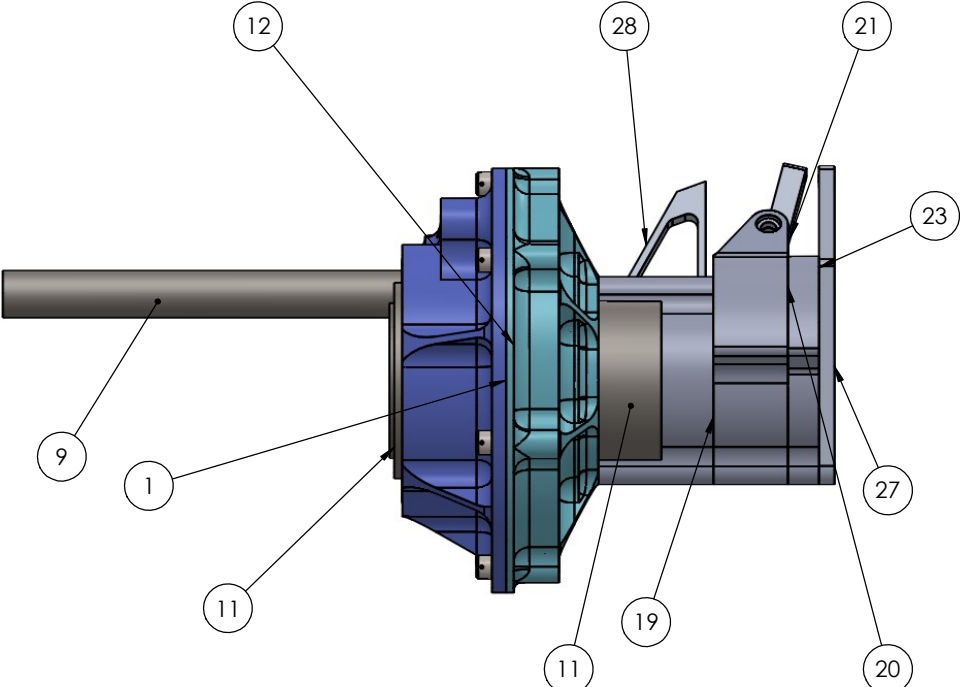
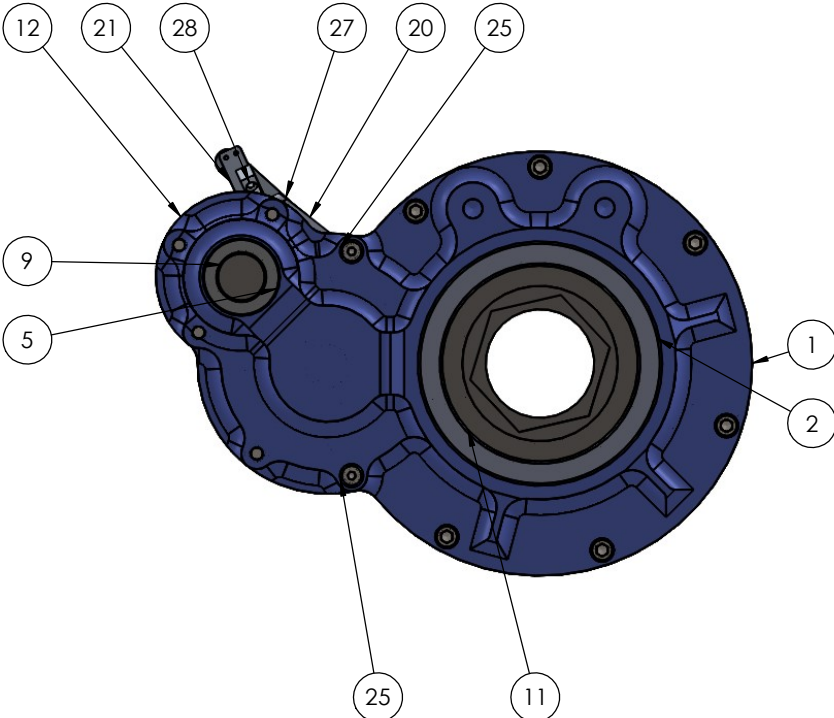
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Rear Gearbox With 4WD Full Assembly	
		DIMENSIONS ARE IN INCHES	DRAWN	RWF		12/01/23
		TOLERANCES:	CHECKED			
		FRACTIONAL: \pm	ENG APPR.			
		ANGULAR: MACH \pm BEND \pm	MFG APPR.			
		TWO PLACE DECIMAL \pm	Q.A.			
		THREE PLACE DECIMAL \pm	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON	APPLICATION			SIZE DWG. NO. REV B	
		DO NOT SCALE DRAWING			SCALE: 1:2 WEIGHT: SHEET 1 OF 3	

4

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Driver Side and Rear Views	
		DIMENSIONS ARE IN INCHES		DRAWN	RWF		12/01/23
		TOLERANCES:		CHECKED			
		FRACTIONAL: ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE DWG. NO. REV	
		MATERIAL				B	
NEXT ASSY		USED ON				SCALE: 1:2 WEIGHT: SHEET 2 OF 3	
APPLICATION		DO NOT SCALE DRAWING					

4

3

2

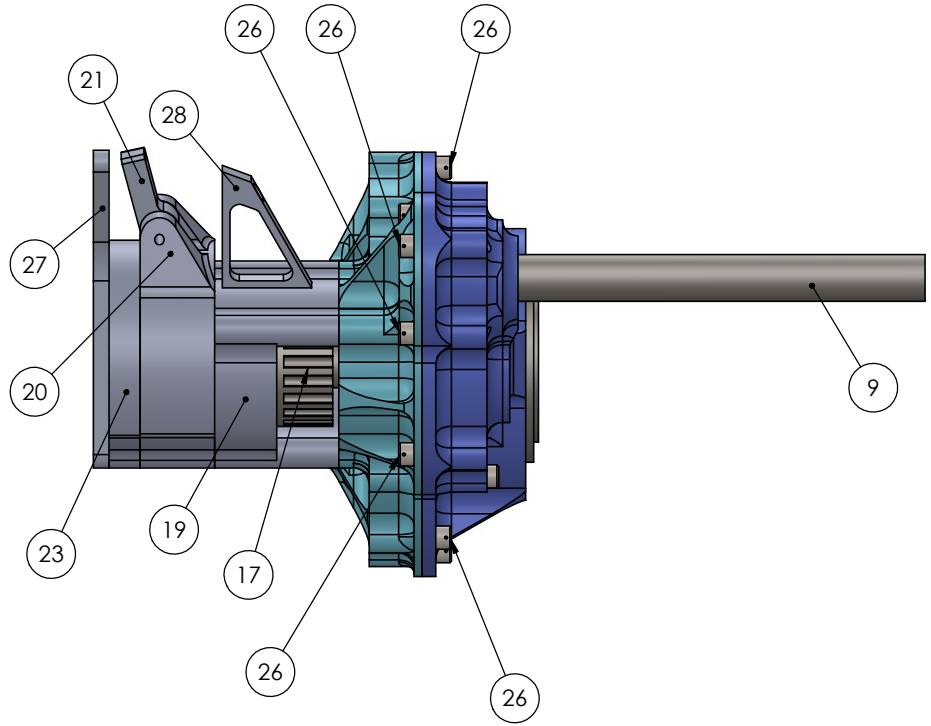
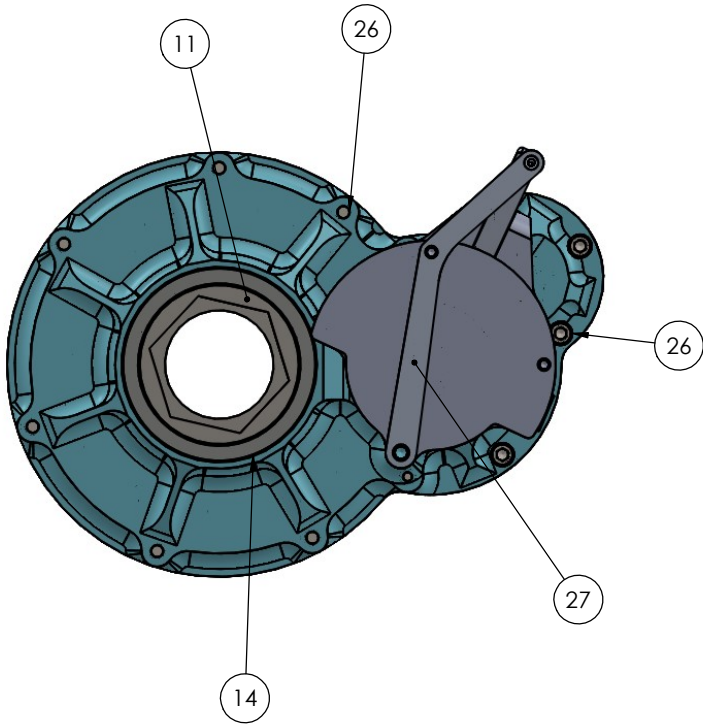
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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Passenger Side and Front Views SIZE DWG. NO. REV B	
		DIMENSIONS ARE IN INCHES	DRAWN	RWF		12/01/23
		TOLERANCES:	CHECKED			
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			
		THREE PLACE DECIMAL ±	COMMENTS:			
NEXT ASSY	USED ON	MATERIAL				
APPLICATION		FINISH				
		DO NOT SCALE DRAWING				

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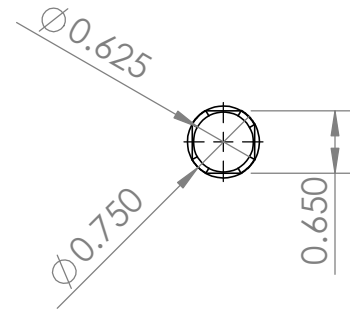
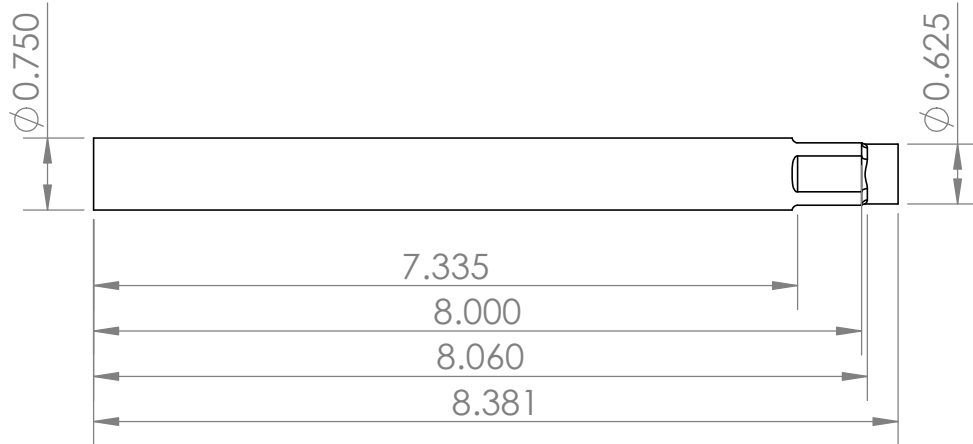
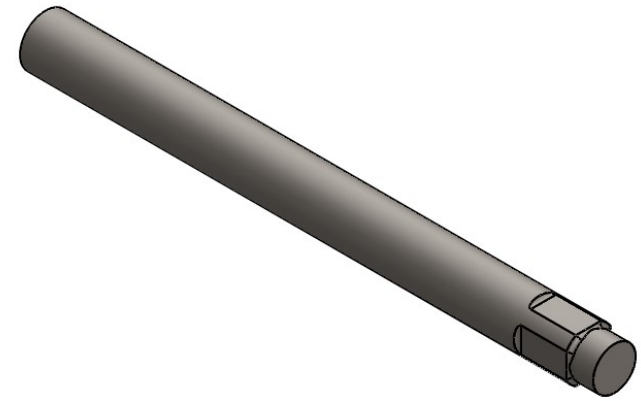
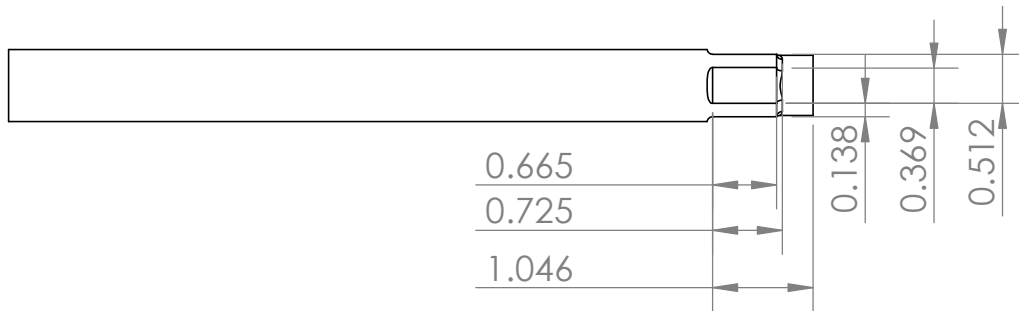
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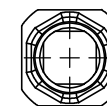
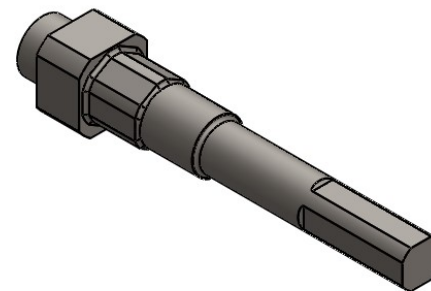
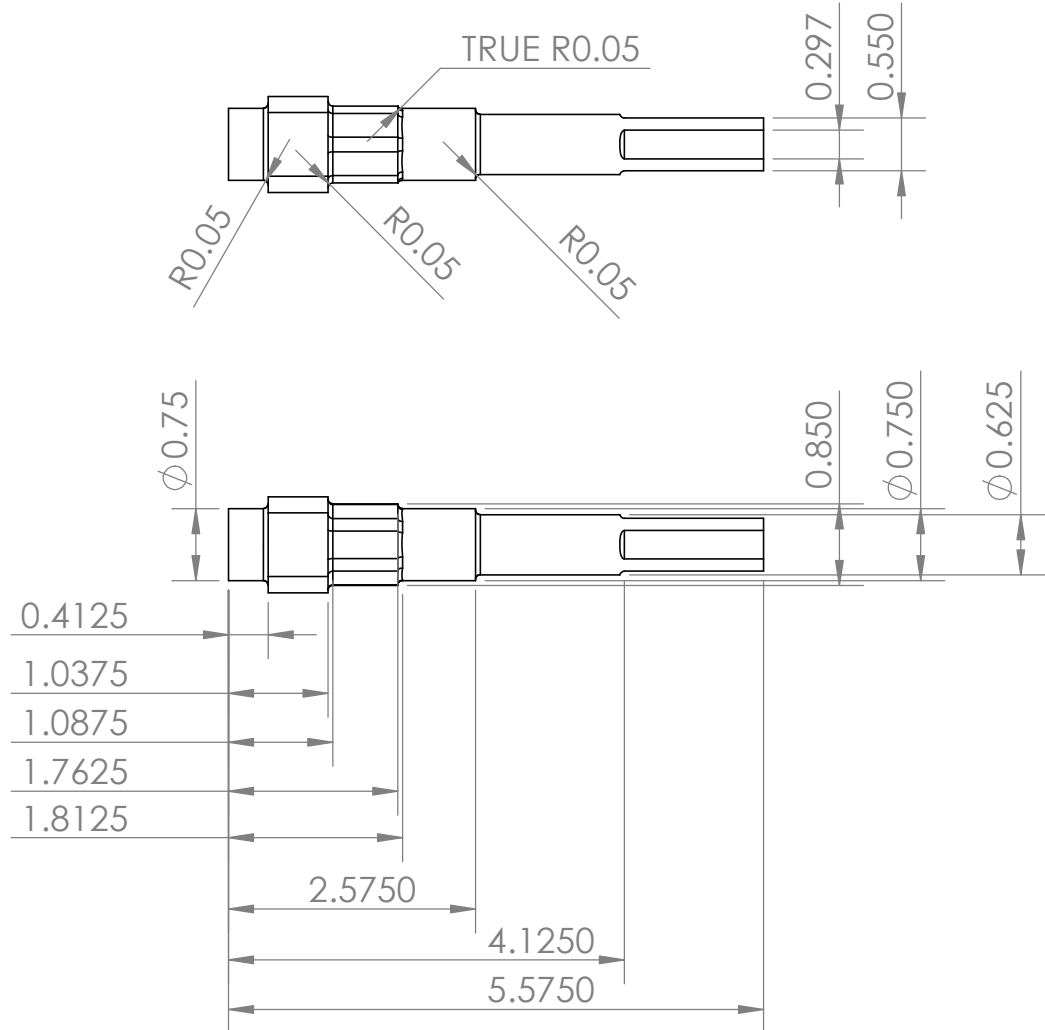
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		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4340 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Rear Gearbox Input Shaft		
SIZE	DWG. NO.	REV
A	Rear Gearbox Drawing Sheets	1.0
SCALE: 1:2	WEIGHT:	SHEET 1 OF 8

1

B

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B

A

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	RWF	12/01/23
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4340 Steel			
		FINISH			
	NEXT ASSY	USED ON			
	APPLICATION				
		DO NOT SCALE DRAWING			

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TITLE:

Rear Gearbox Intermediate Shaft

SIZE

A

DWG. NO.

Rear Gearbox Drawing Sheets

REV

1.0

SCALE: 1:2

WEIGHT:

SHEET 2 OF 8

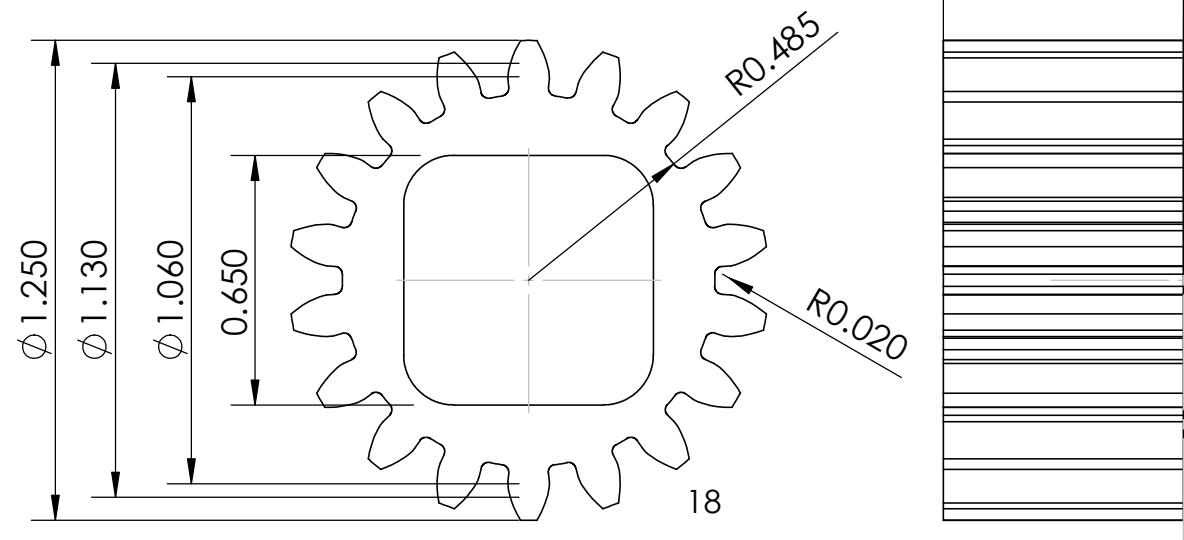
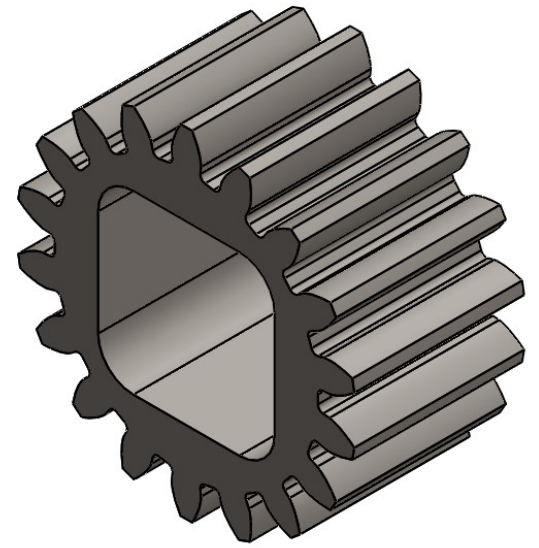
2

1

Note: 18 Teeth Input Pinion

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	RWF	12/01/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4340 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Gear 2</h1>		
SIZE	DWG. NO.	REV
A	Rear Gearbox Drawing Sheets	1.0
SCALE: 2:1	WEIGHT:	SHEET 3 OF 8

1

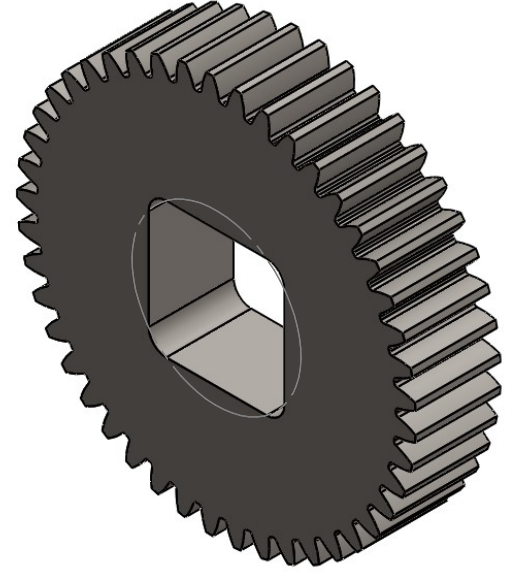
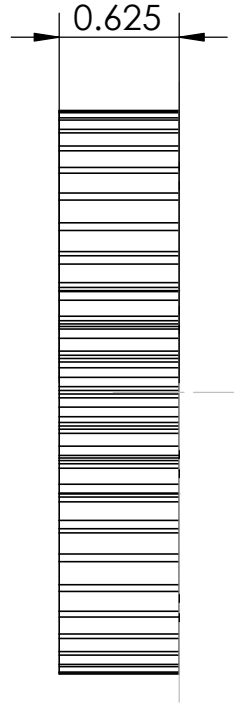
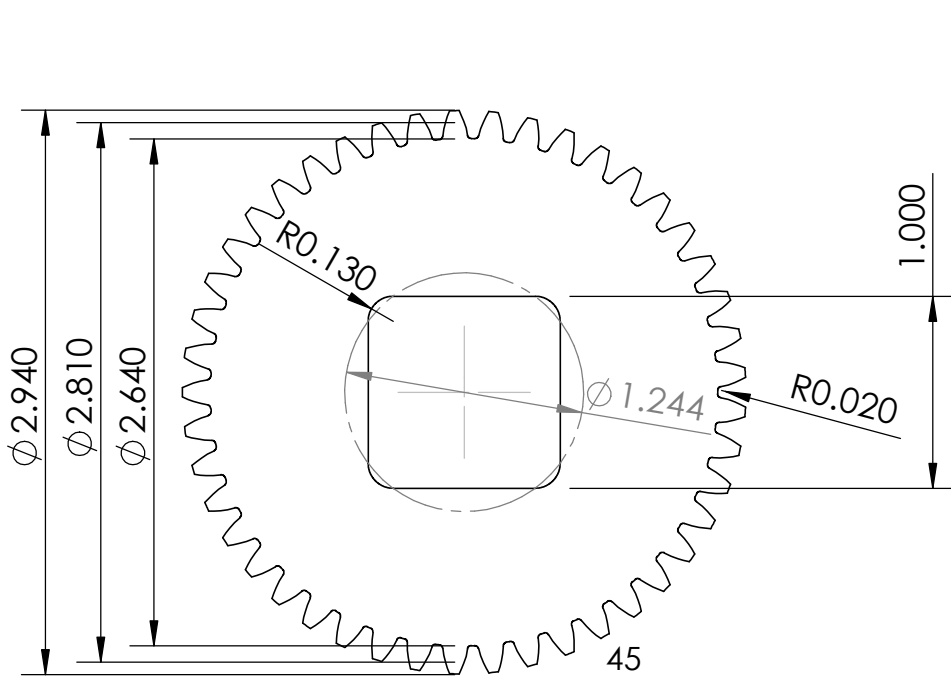
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1

Note: 45 Teeth Gear

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	RWF	12/01/23
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4340 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Gear 3		
SIZE	DWG. NO.	REV
A	Rear Gearbox Drawing Sheets	1.0
SCALE: 1:1	WEIGHT:	SHEET 4 OF 8

1

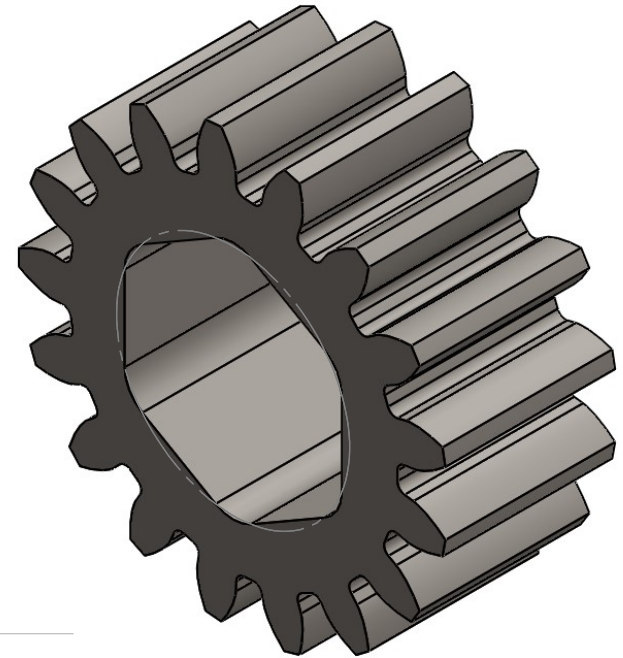
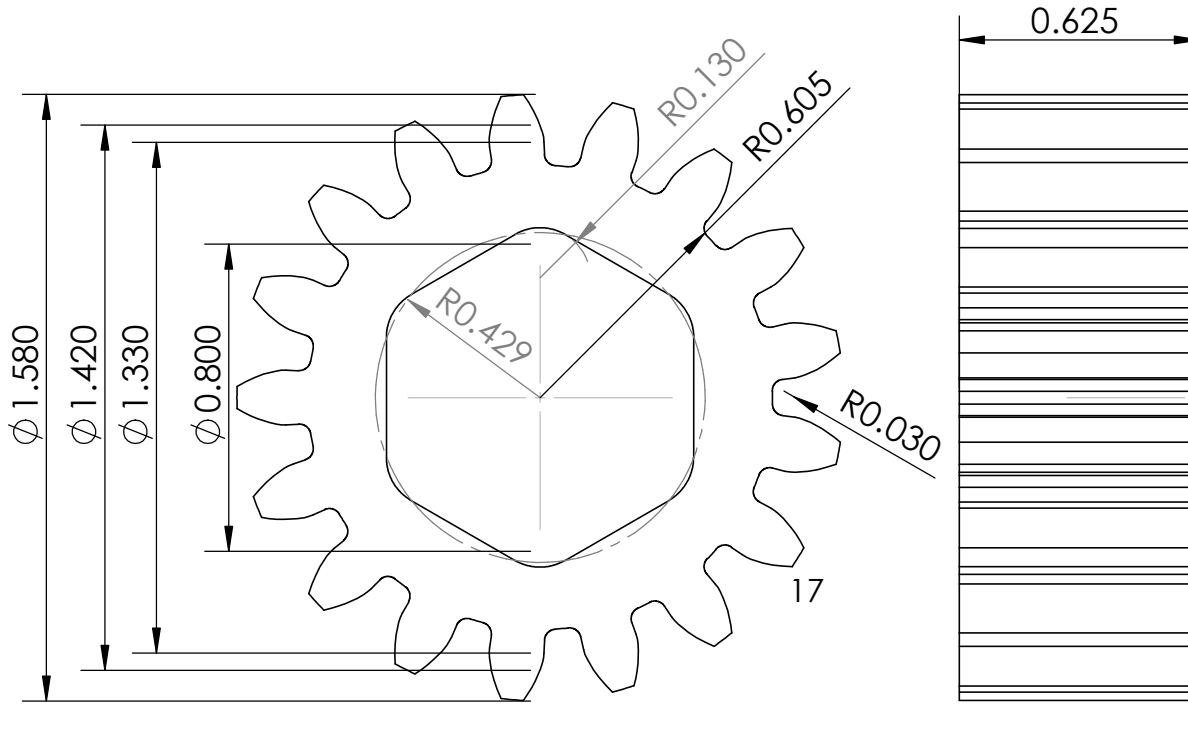
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Note: 17 Teeth Pinion

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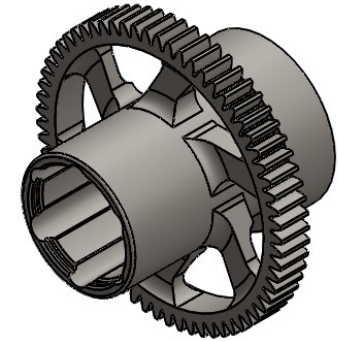
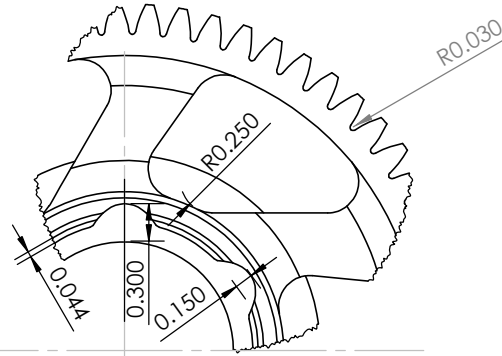
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	RWF	12/01/23
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		4340 Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

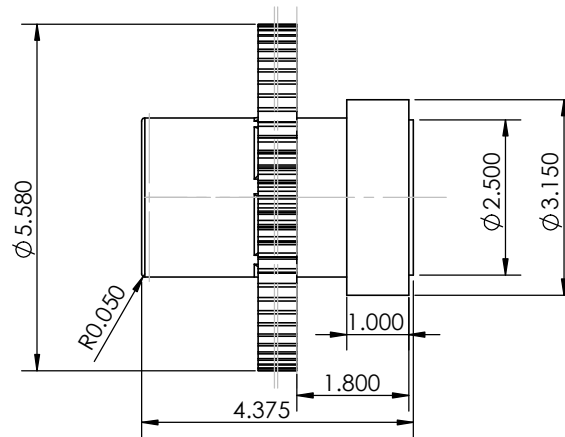
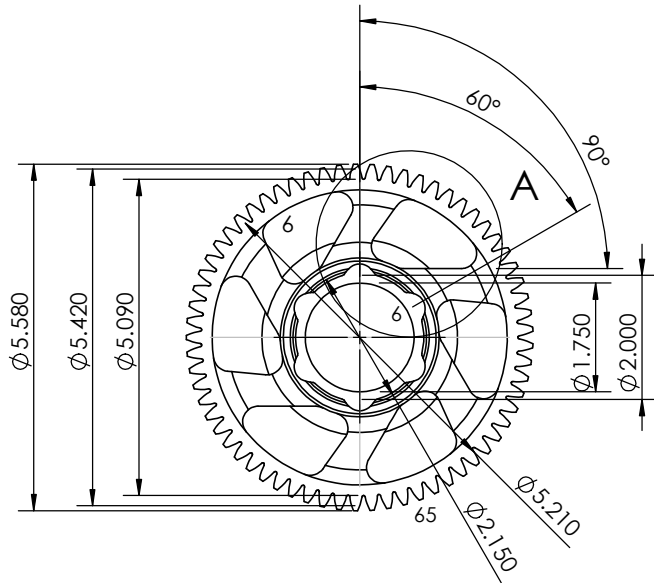
TITLE:		
<h1>Gear 4</h1>		
SIZE	DWG. NO.	REV
A	Rear Gearbox Drawing Sheets	1.0
SCALE: 2:1	WEIGHT:	SHEET 5 OF 8

1

Notes: 65 Teeth Output Gear
CV Cup geometry is identical on both sides of the gear.

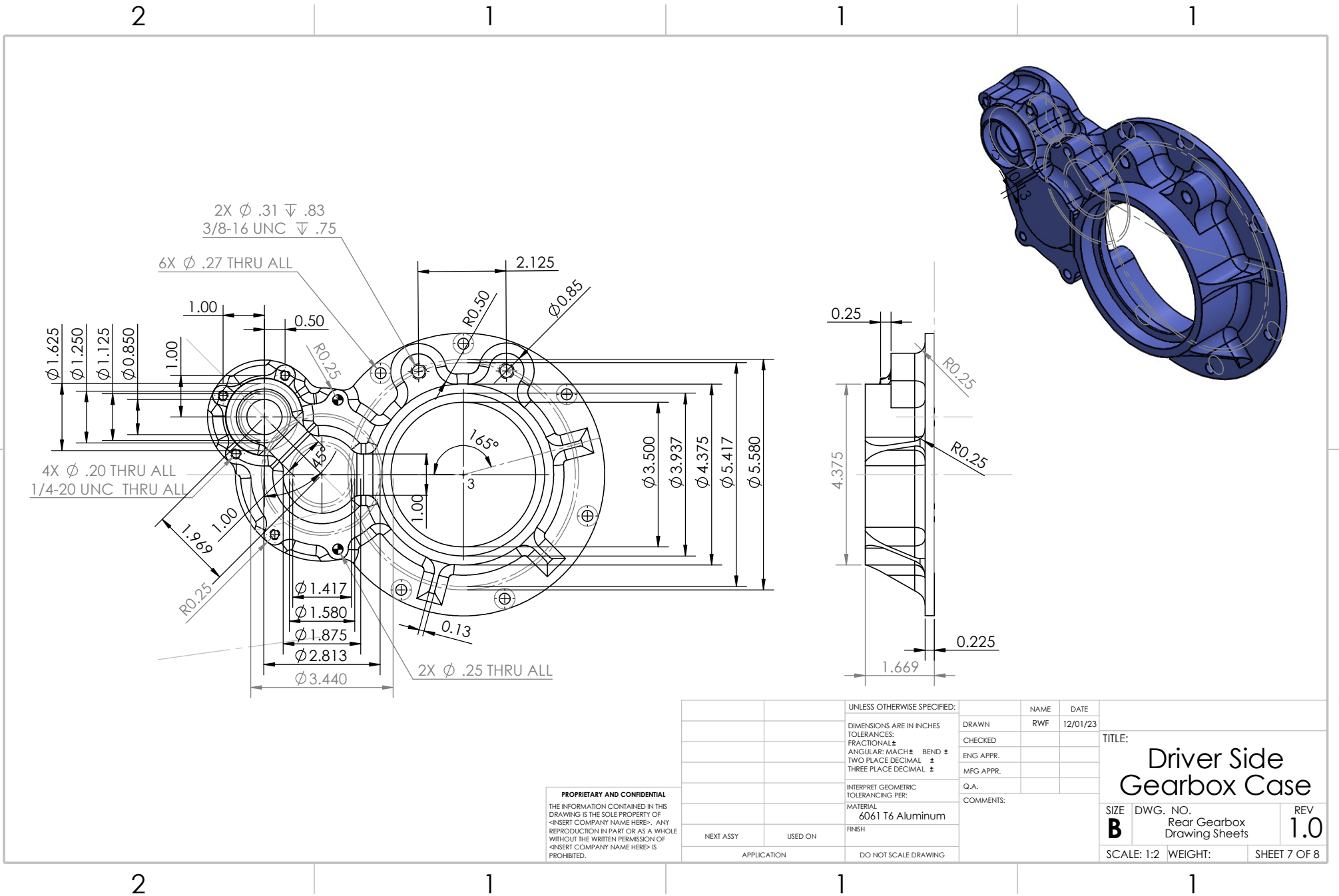


DETAIL A
SCALE 1 : 1



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
		DIMENSIONS ARE IN INCHES	DRAWN	RWF	12/01/23	TITLE: Gear 5
		TOLERANCES:	CHECKED			
		FRACTIONAL: ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			SIZE B DWG. NO. Rear Gearbox Drawing Sheets REV 1.0
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2 WEIGHT:
		MATERIAL	4340 Steel			SHEET 6 OF 8
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				



2

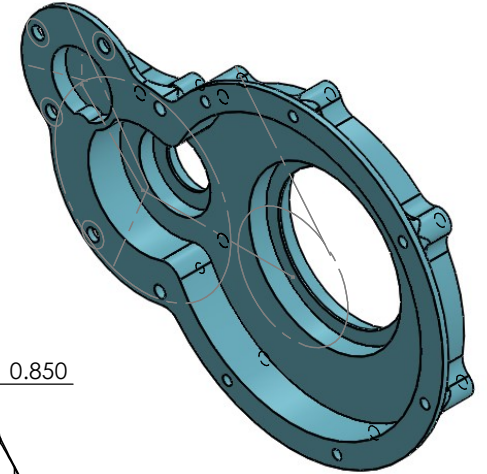
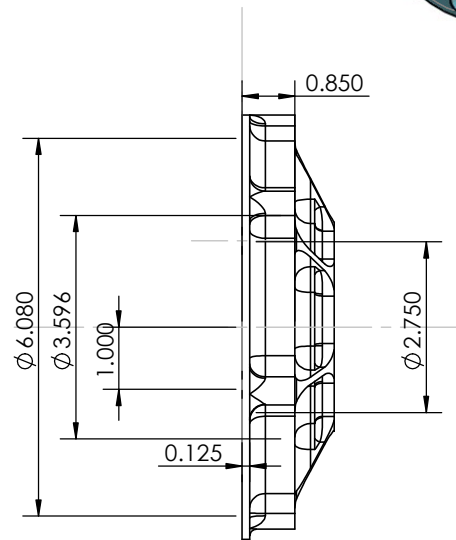
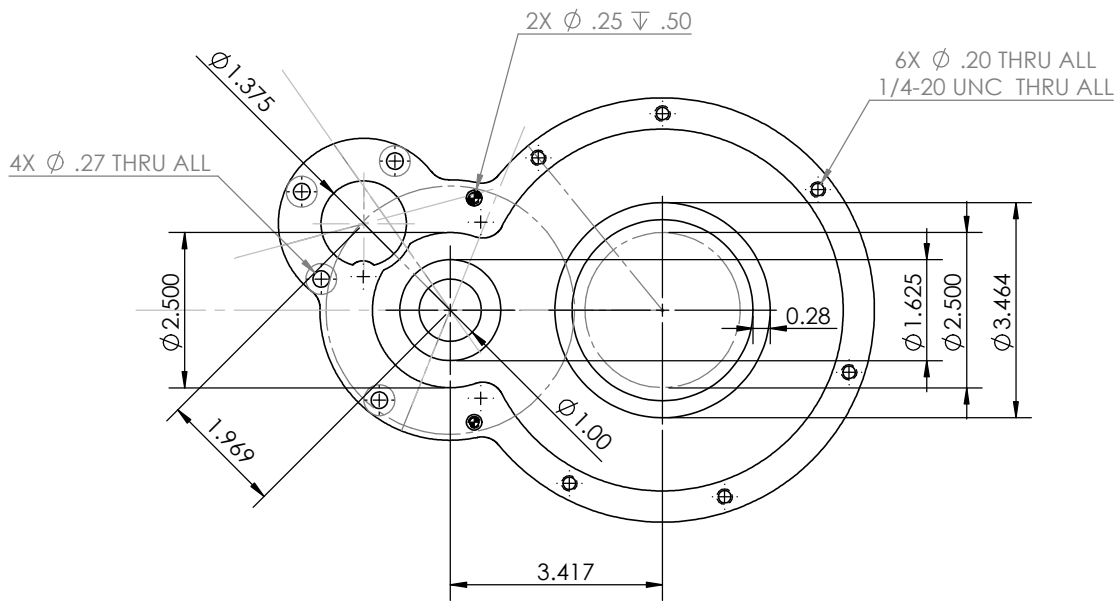
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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Passenger Side Gearbox Case	
		DIMENSIONS ARE IN INCHES	DRAWN	RWF		12/01/23
		TOLERANCES:	CHECKED			
		FRACTIONAL \pm	ENG APPR.			
		ANGULAR: MACH \pm BEND \pm	MFG APPR.			
		TWO PLACE DECIMAL \pm	Q.A.			
		THREE PLACE DECIMAL \pm	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL	6061 T6 Aluminum			
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				
SIZE	DWG. NO.	REV				
B	Rear Gearbox Drawing Sheets	1.0				
SCALE: 1:2		WEIGHT:		SHEET 8 OF 8		

2

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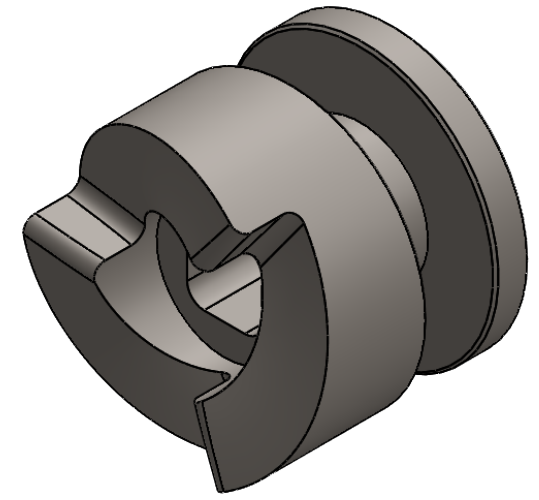
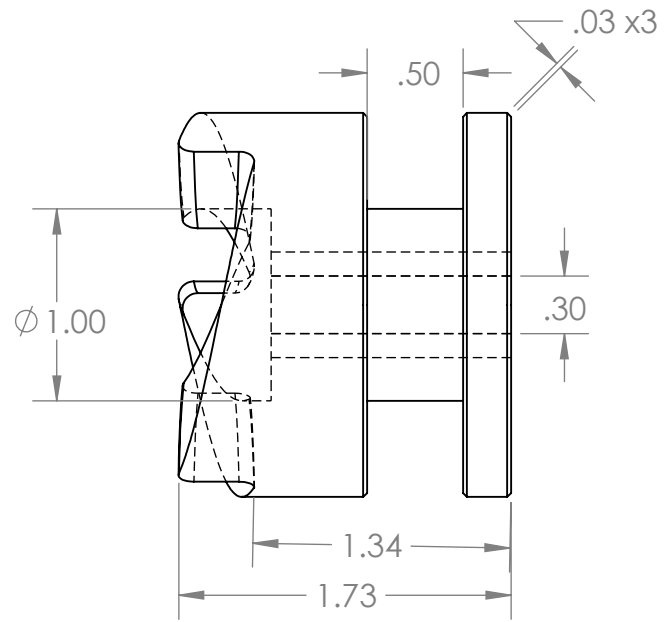
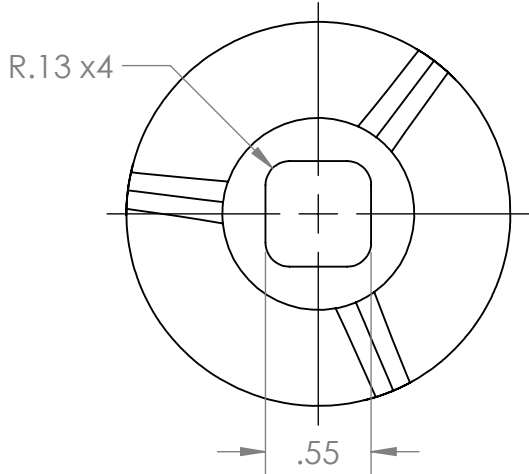
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All tooth fillets = 0.8 in

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
3 Tooth Spiral Jaw (1)		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

2

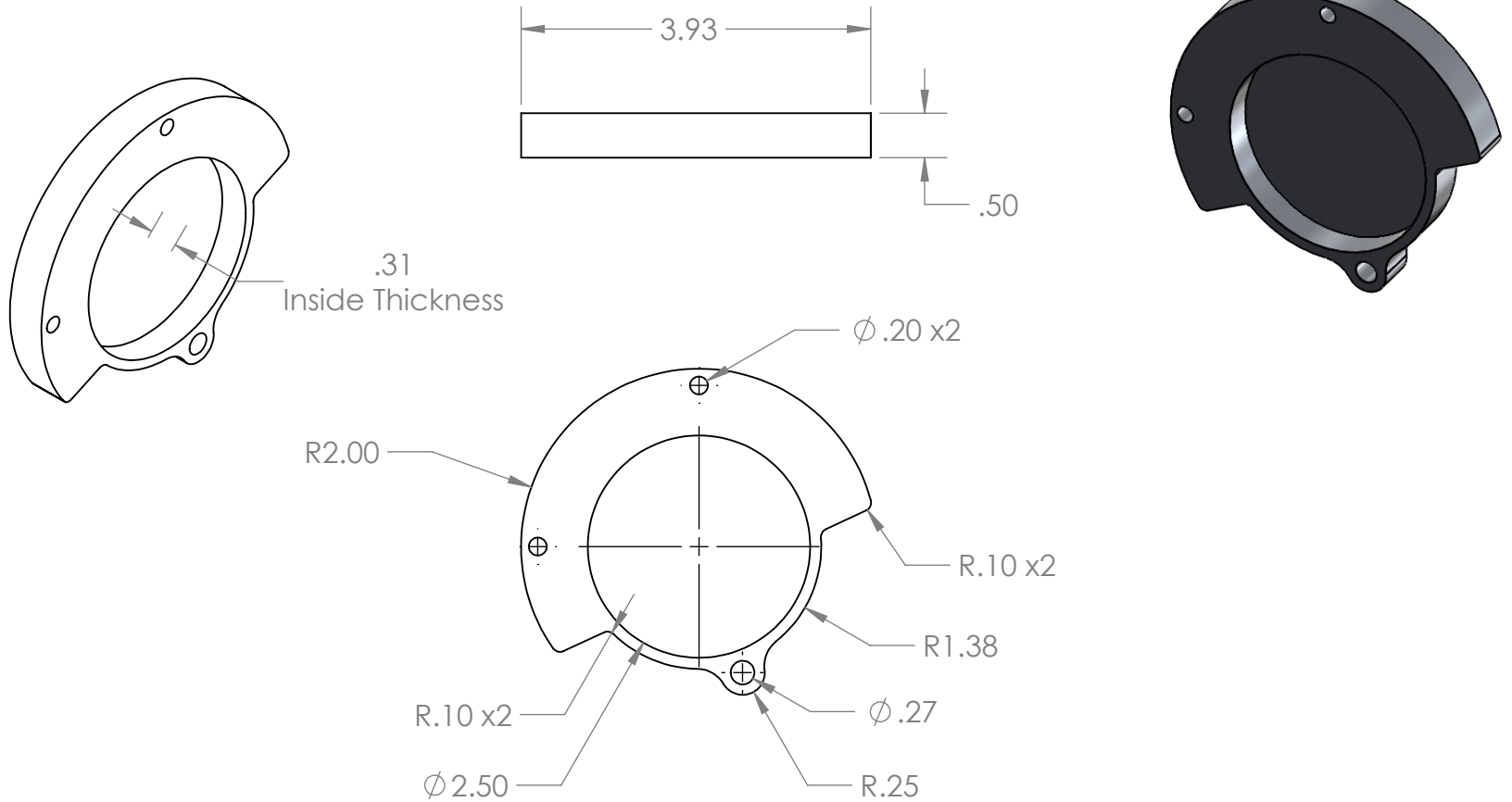
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

2023 **W** 12 dog clutch cap

2

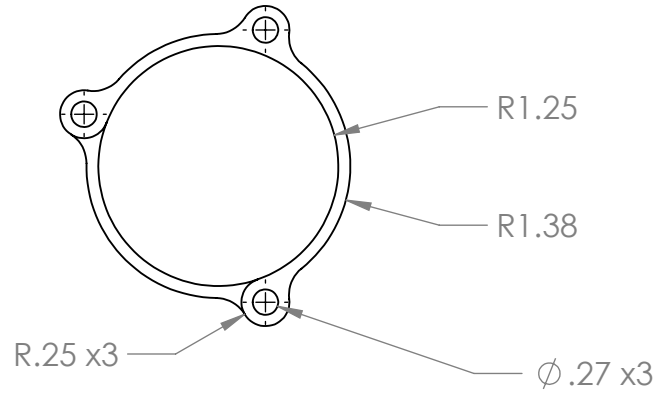
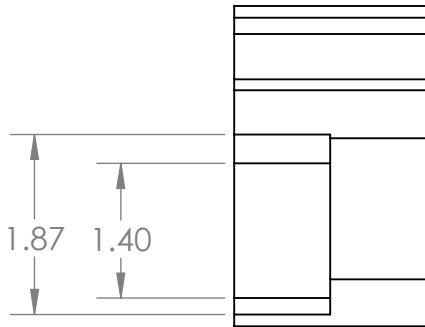
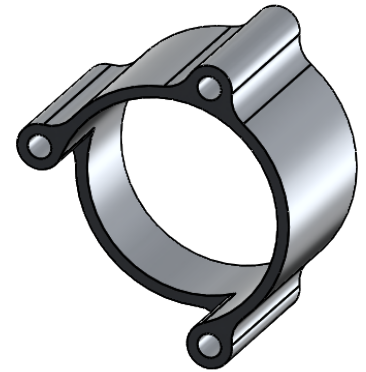
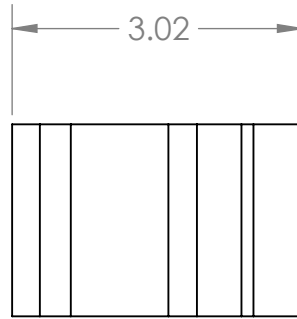
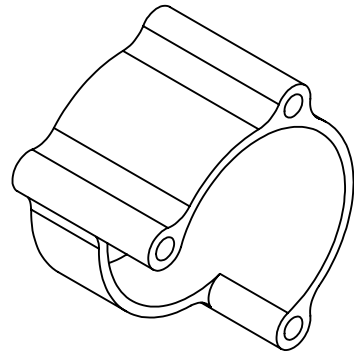
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN		
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		
		MATERIAL	ENG APPR.		
NEXT ASSY	USED ON	FINISH	MFG APPR.		
APPLICATION		DO NOT SCALE DRAWING	Q.A.		
			COMMENTS:		

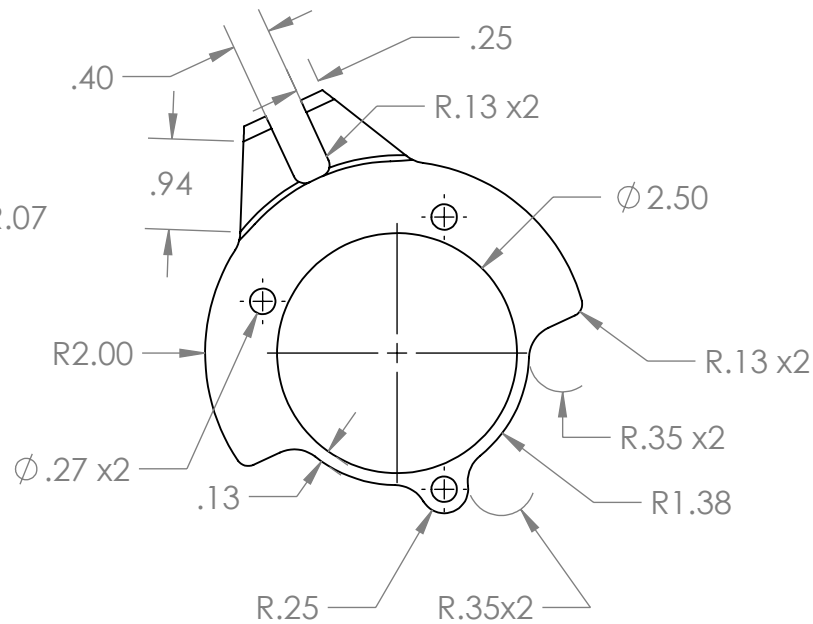
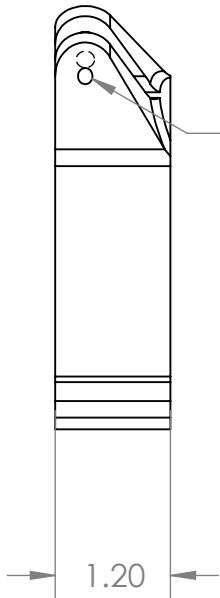
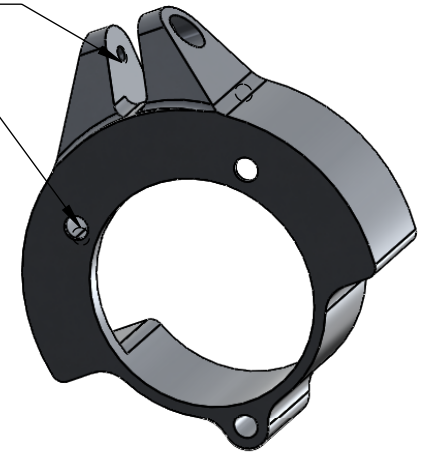
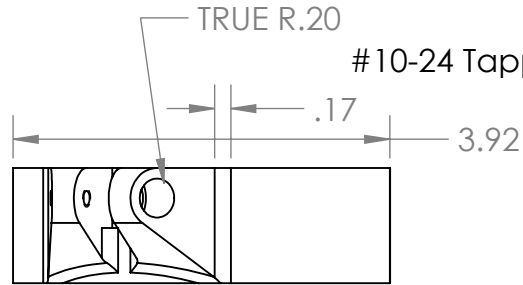
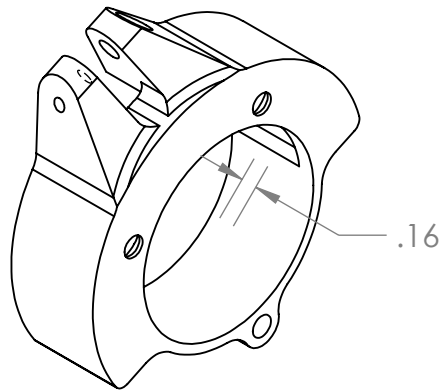
TITLE:		
SIZE	DWG. NO.	REV
202311	12	gearbox pulley she
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH	20231111		
APPLICATION	DO NOT SCALE DRAWING				

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

20231111 **A** shift fork mount ga

2

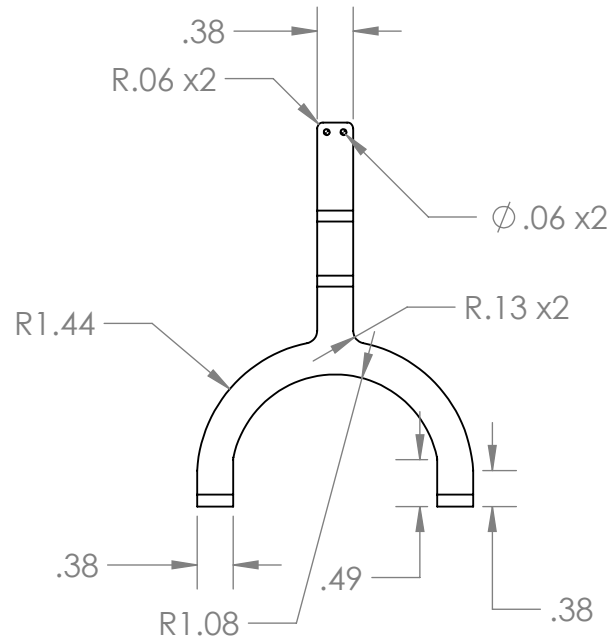
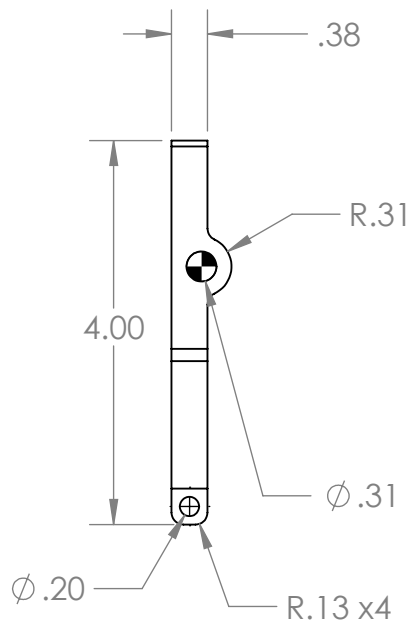
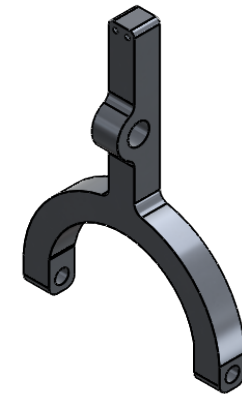
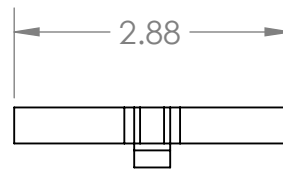
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
20	20231112	shift fork
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

2

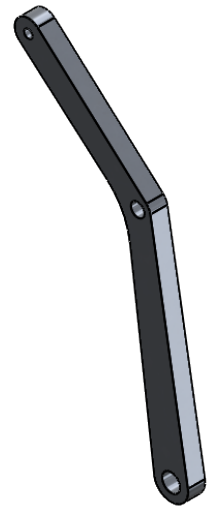
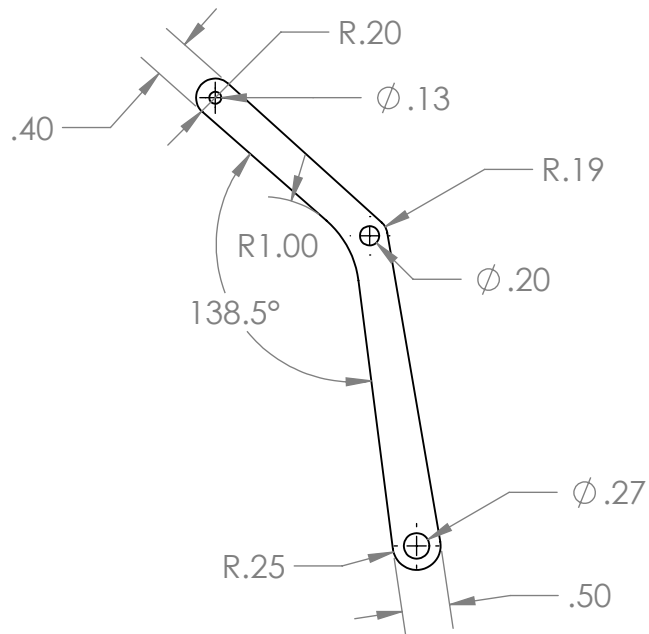
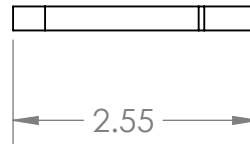
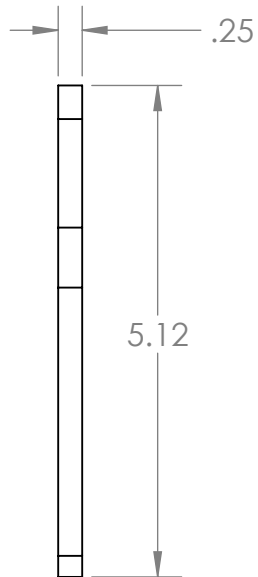
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		DIMENSIONS ARE IN INCHES	DRAWN		
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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	20231127		
		MATERIAL			
NEXT ASSY	USED ON	FINISH	Engagement cable r		
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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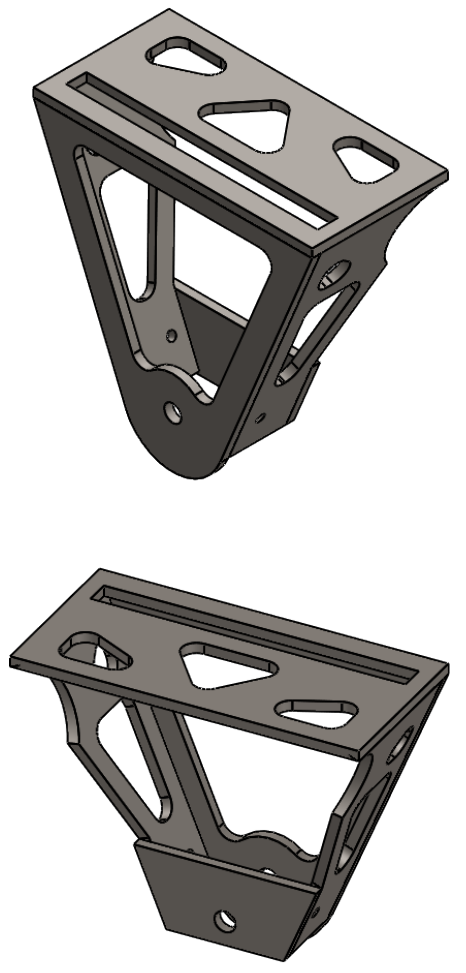
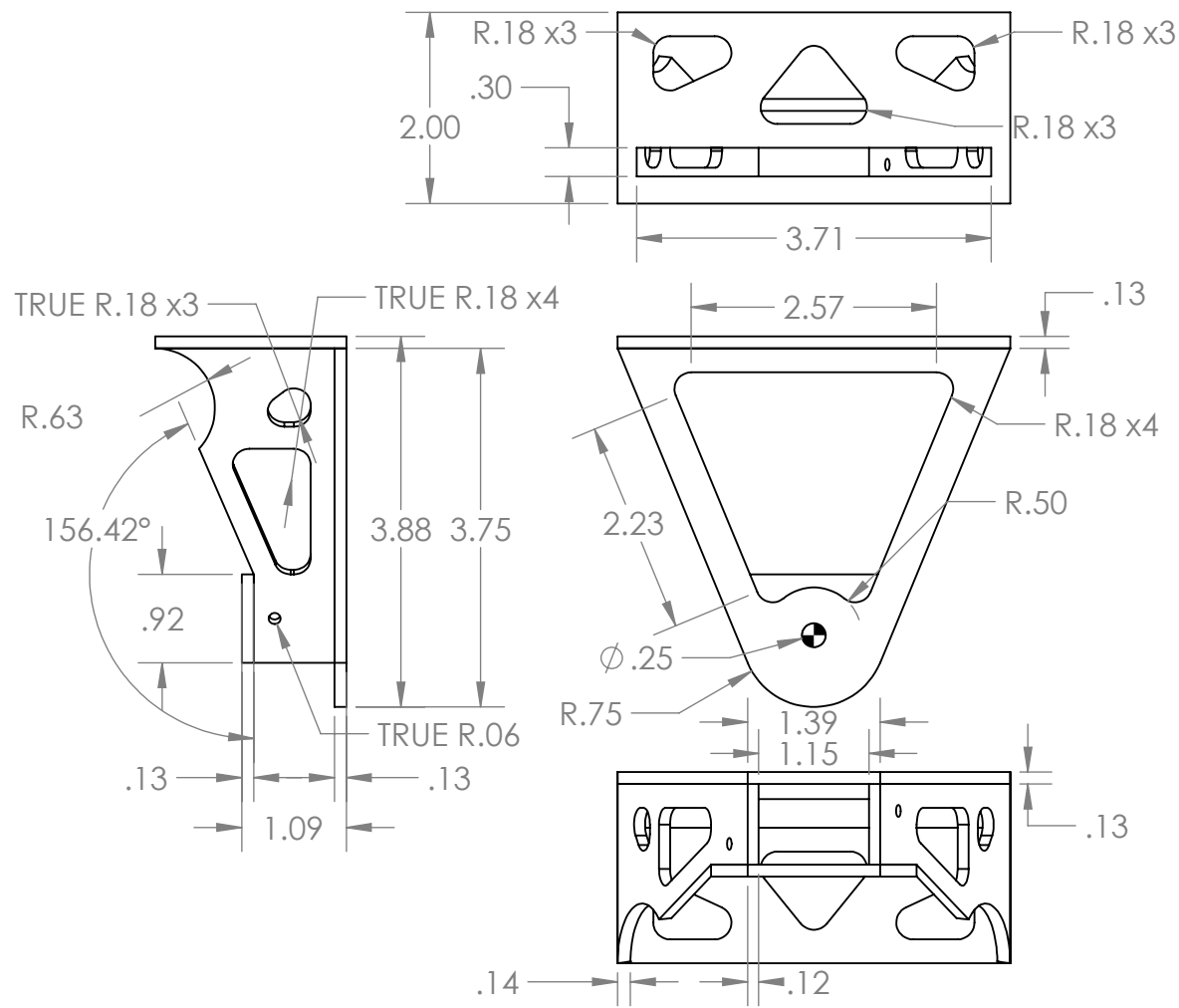
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

20231129 A4wd shift lever hous

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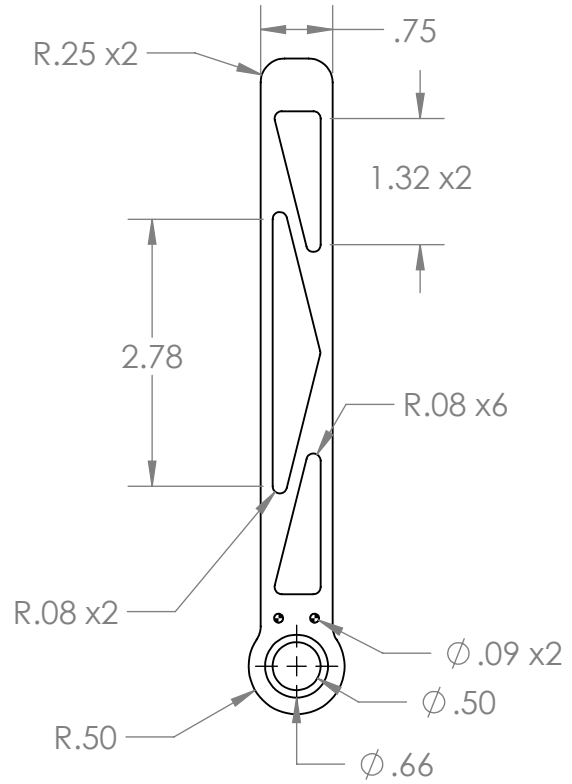
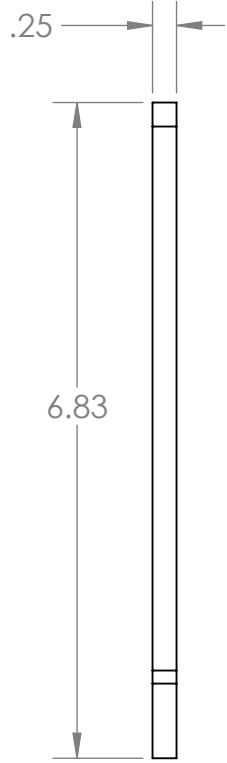
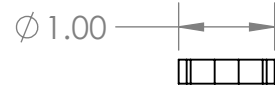
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		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
2023A	129	4wd shift lever
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

2

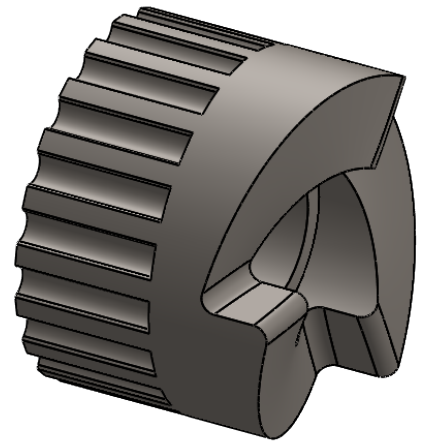
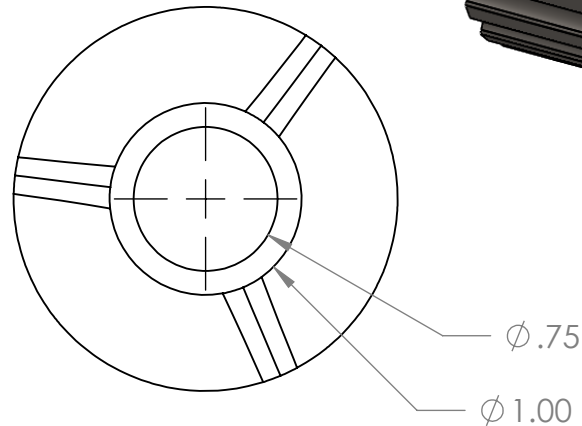
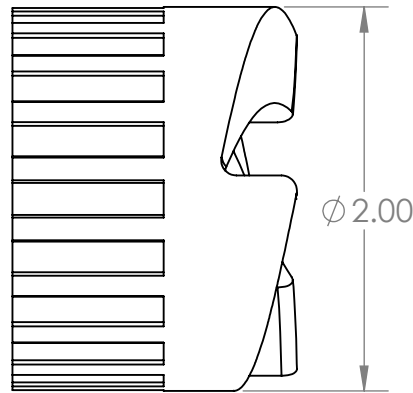
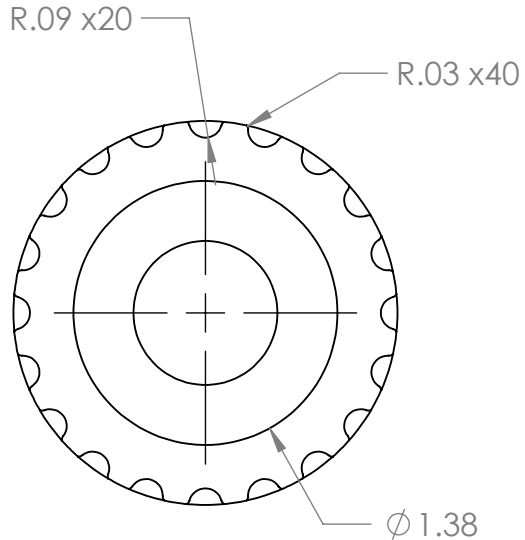
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		TOLERANCES:	CHECKED		
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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
SIZE	DWG. NO.	REV
Official Pulley Design (1)		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

2

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End Drivetrain Section

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		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Drivetrain Master Drawings File

SIZE	DWG. NO.	REV
A		
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

Begin Frame Section

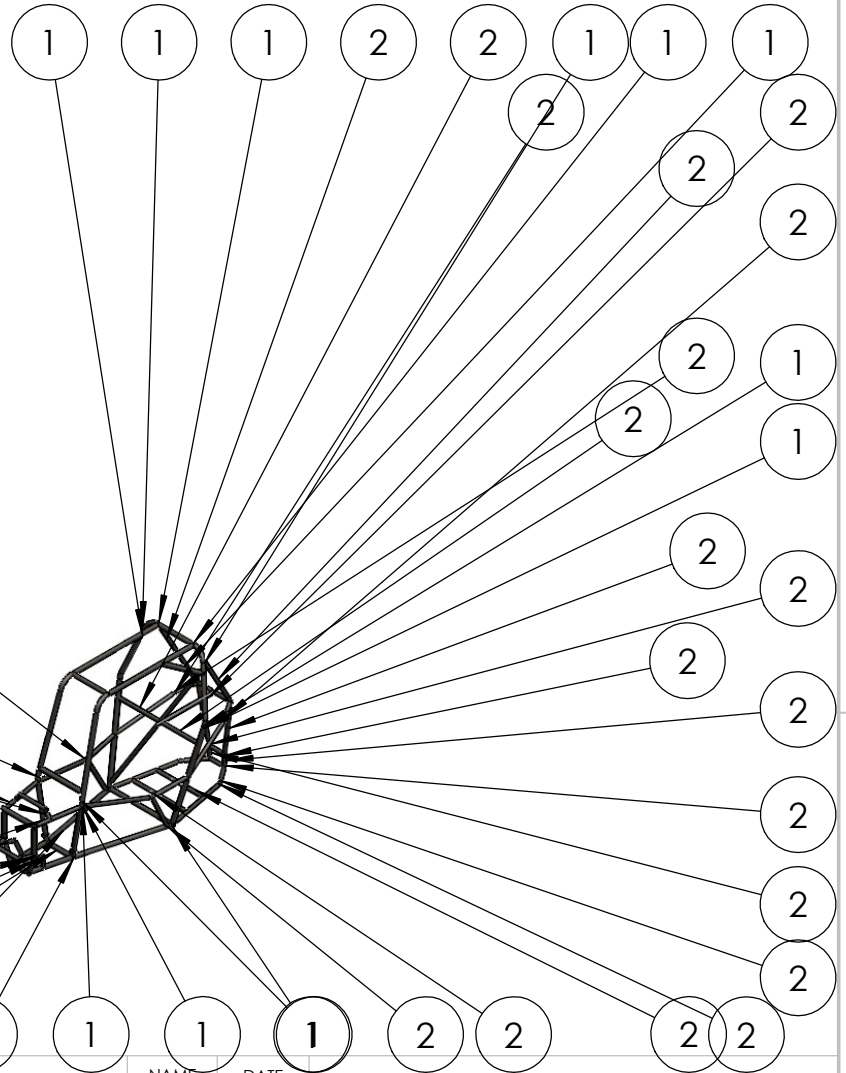
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Frame Master Drawing File
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		TOLERANCES: FRACTIONAL ±	CHECKED			
		ANGULAR: MACH ± BEND ±	ENG APPR.			
		TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV
		MATERIAL	COMMENTS:			
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:20 WEIGHT: SHEET 2 OF 7

2

1

Cut List Name	ITEM NO.	TYPE	MATERIAL
Cut-List-Item4	1	Primary (1.25"OD x 0.065")	AISI 4130 Steel
Cut-List-Item30	2	Secondary (1.00" x 0.065")	AISI 4130 Steel



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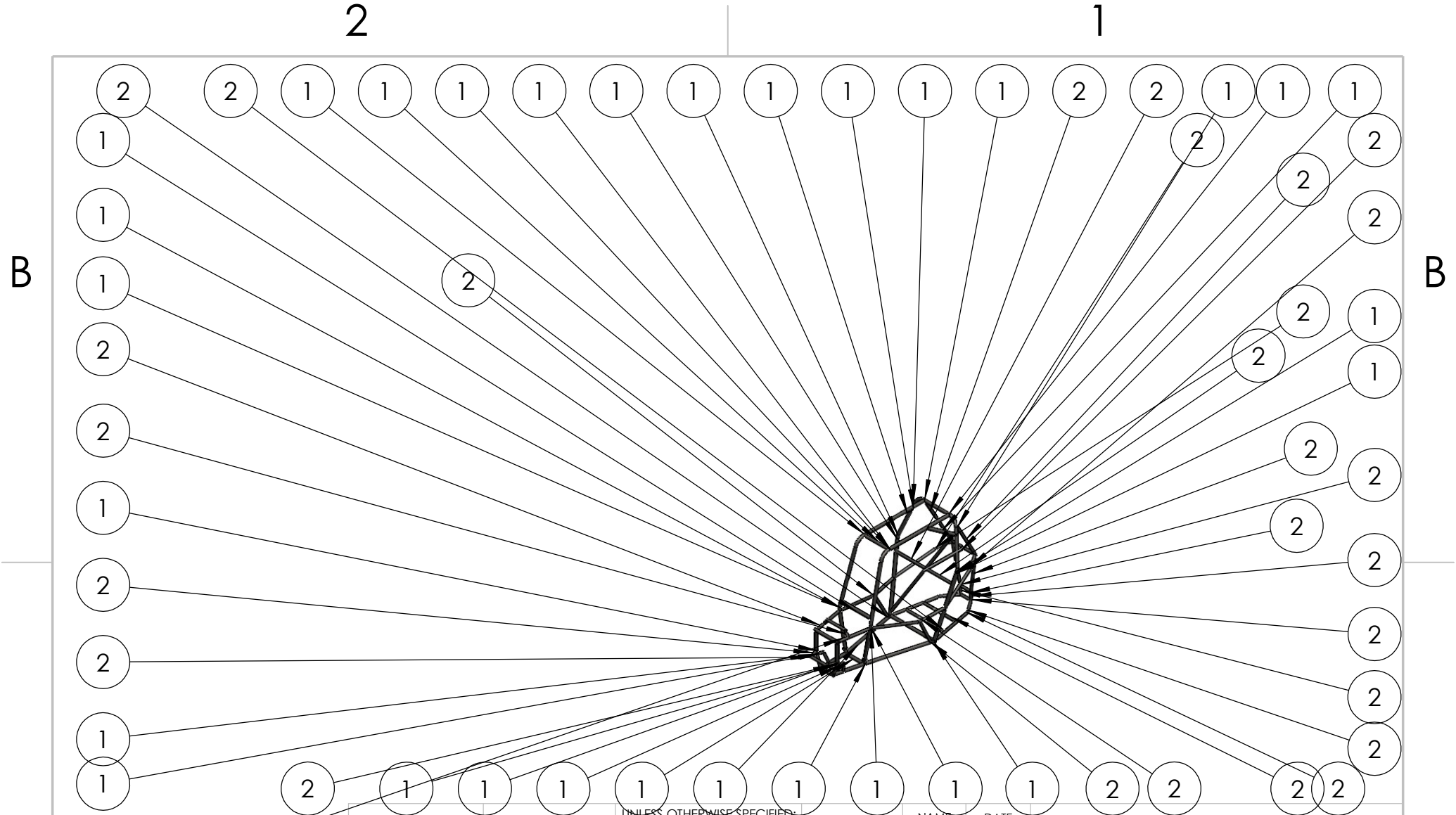
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES			
TOLERANCES:			
FRACTIONAL ±			
ANGULAR: MACH ± BEND ±			
TWO PLACE DECIMAL ±			
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
NEXT ASSY	USED ON	COMMENTS:	
APPLICATION		DO NOT SCALE DRAWING	

TITLE: Frame Cut List (1)		
SIZE A	DWG. NO. Frame	REV
SCALE: 1:20 WEIGHT:		SHEET 2 OF 7

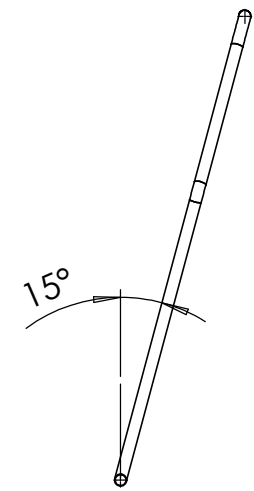
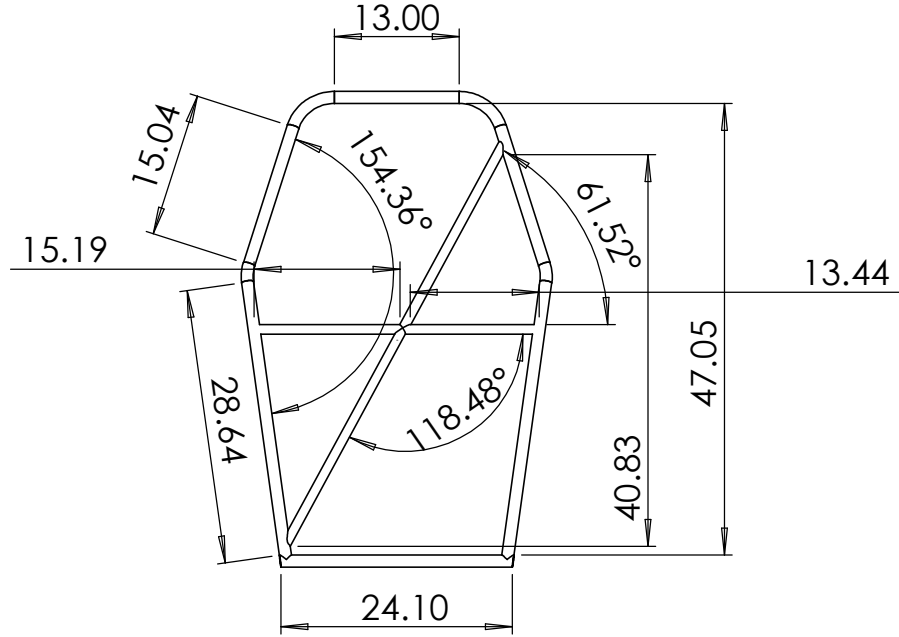
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			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN		
			INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		
			MATERIAL	ENG APPR.		
	NEXT ASSY	USED ON	FINISH	MFG APPR.		
	APPLICATION		DO NOT SCALE DRAWING	Q.A.		
				COMMENTS:		

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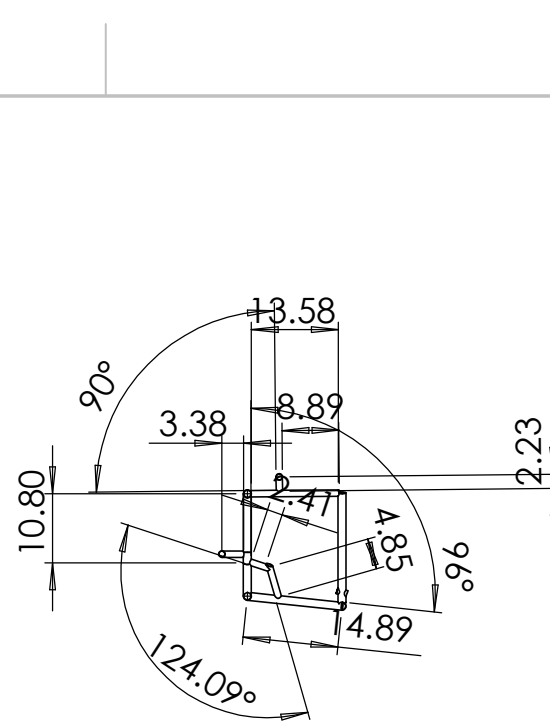
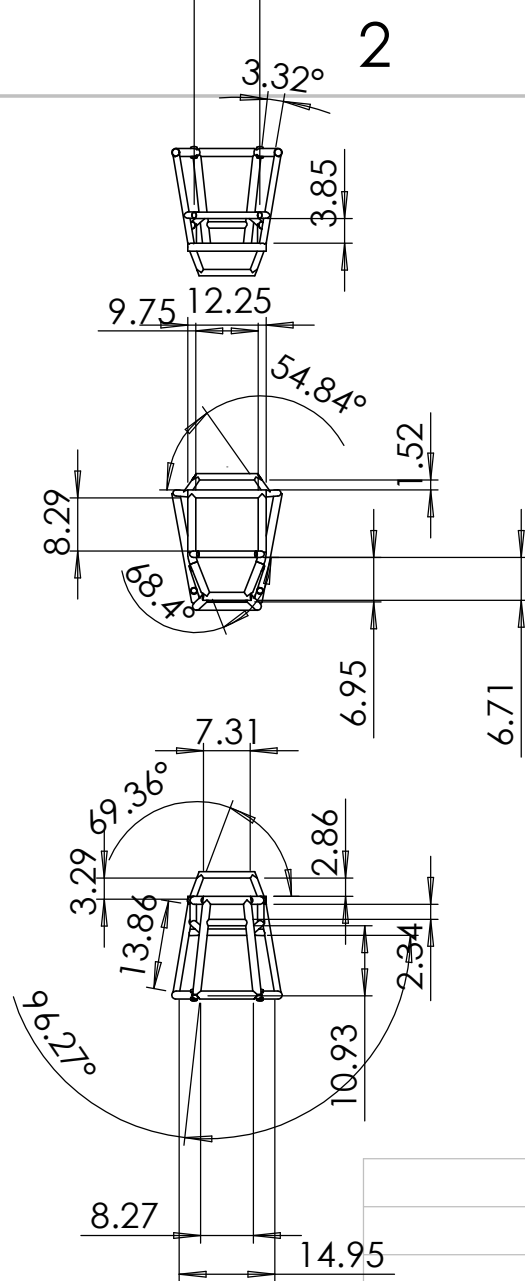


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			DIMENSIONS ARE IN INCHES	DRAWN			
			TOLERANCES:	CHECKED			
			FRACTIONAL ±	ENG APPR.			
			ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.				
		THREE PLACE DECIMAL ±	COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL				SIZE DWG. NO. REV
	NEXT ASSY	USED ON	FINISH				A Frame
	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:20 WEIGHT: SHEET 4 OF 7

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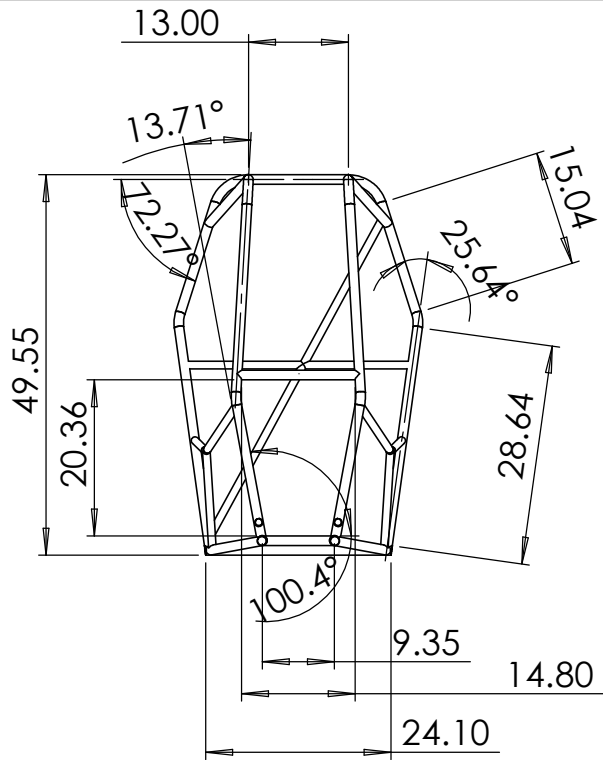
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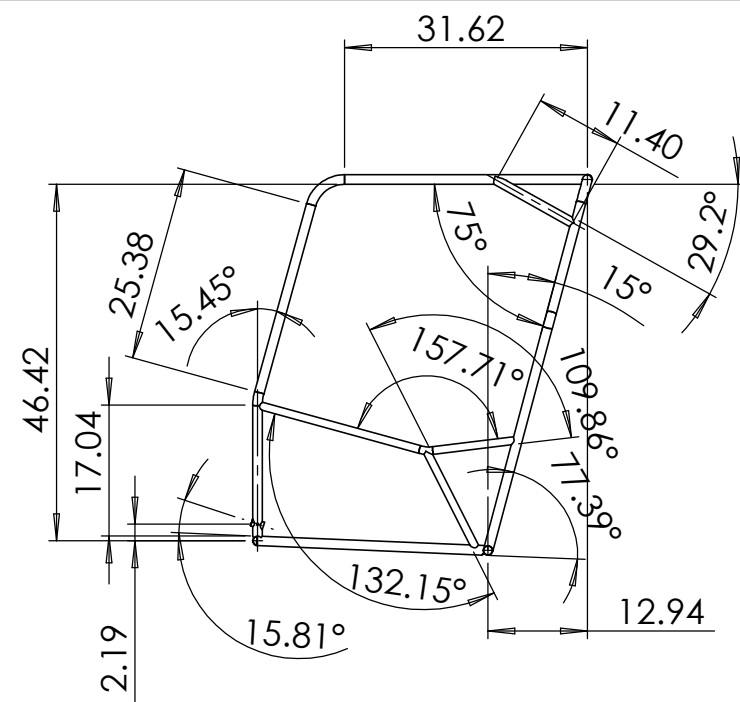
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		TWO PLACE DECIMAL ±	Q.A.		
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Footbox		
SIZE	DWG. NO.	REV
A	Frame	
SCALE: 1:20		WEIGHT: SHEET 5 OF 7

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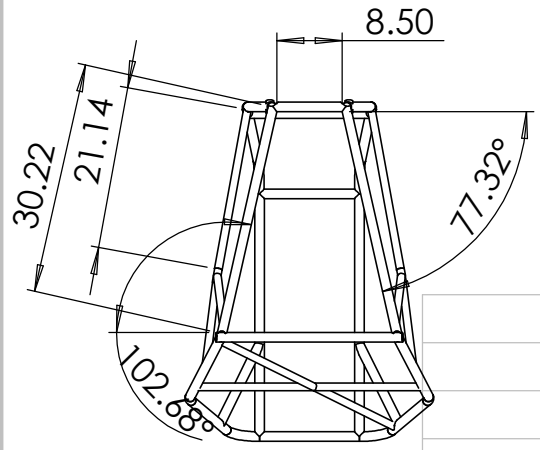


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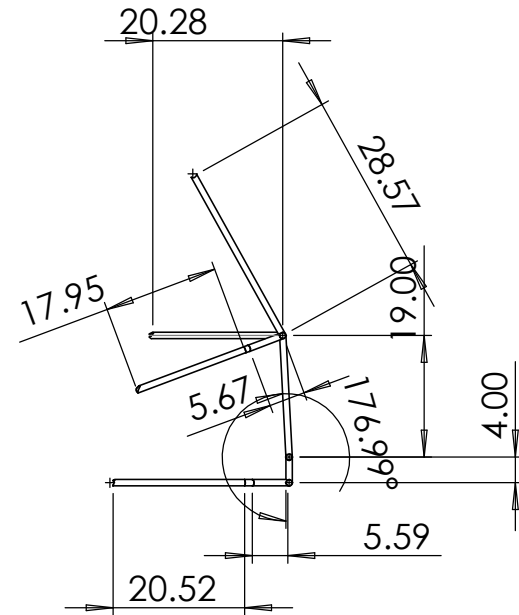
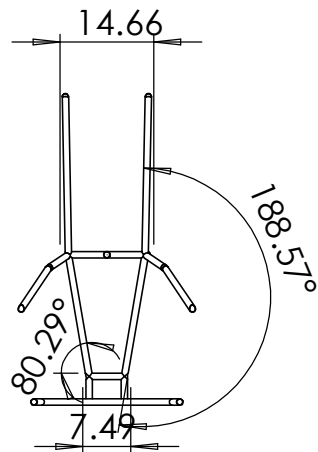
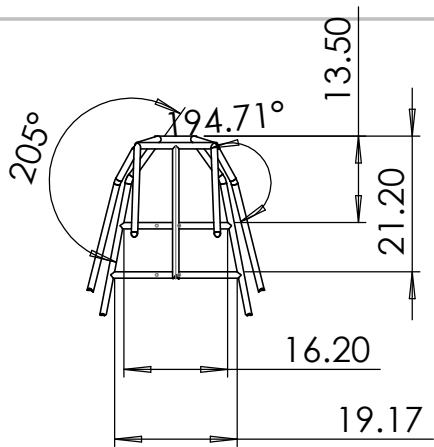
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		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Cockpit</h1>		
SIZE	DWG. NO.	REV
A	Frame	
SCALE: 1:20 WEIGHT:		SHEET 6 OF 7

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		DIMENSIONS ARE IN INCHES	DRAWN		
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Rear		
SIZE	DWG. NO.	REV
A	Frame	
SCALE: 1:33.0	WEIGHT:	SHEET 7 OF 7