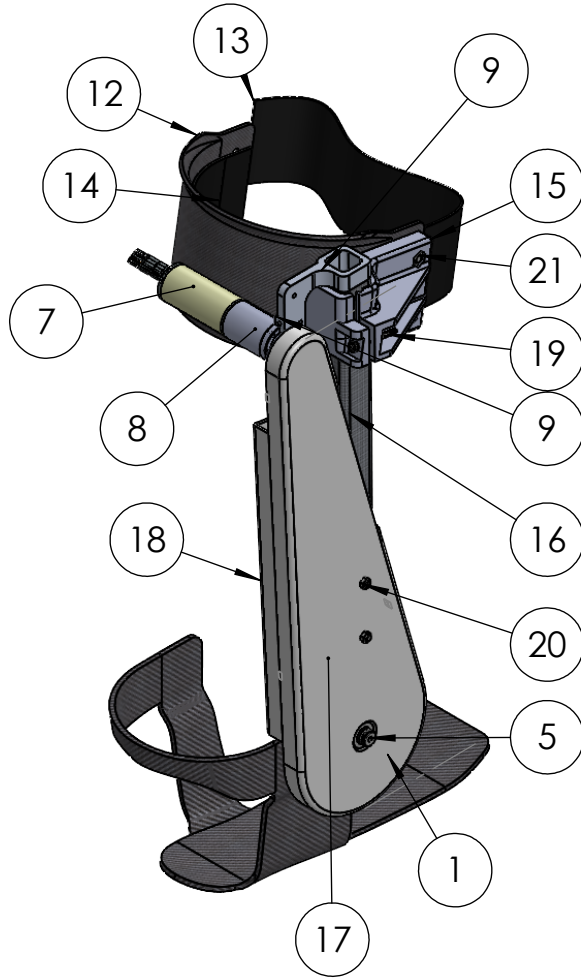


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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2_CarbonFiber_BasePlate		1
2	3_rec-135_QuickConnectTorqueSensor		1
3	rec-137_Pulley		1
4	7804K138	Stainless Steel Ball Bearing	2
5	91273A392	Same-Size Thread 18-8 Stainless Steel Shoulder Screw	1
6	90895A205	Belleville Spring Lock Washer	1
7	Battery90w	NOT SPECIFIED	1
8	GearBox	NOT SPECIFIED	1
9	Spark Plug Motor Mount Mod1		1
10	94209A314	Thread-Forming Screws for Soft Metal	3
11	Pulley Bolt		2
12	rec-196_Calf Cuff Geometry		1
13	rec-155_Cuff Strap		1
14	Hook Velcro^rec-132_Cuff subassembly		1
15	Spark Plug Calf Cuff Adjuster RL-Large Cuff		1
16	STTR_Upright Mod1		1
17	Chain Cover		1
18	Chain Cover Back (1)		1
19	91290A171	Alloy Steel Socket Head Screw	3
20	90592A009	Steel Hex Nut	3
21	90358A133	Ultra-Low-Profile Socket Head Screw	2
22	90592A012	Steel Hex Nut	2
23	2302K79	Roller Chain Sprocket	1

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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.		
			COMMENTS:		
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
2024 Ankle Exoskeleton

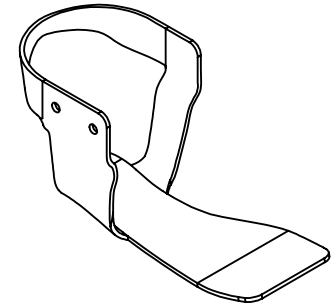
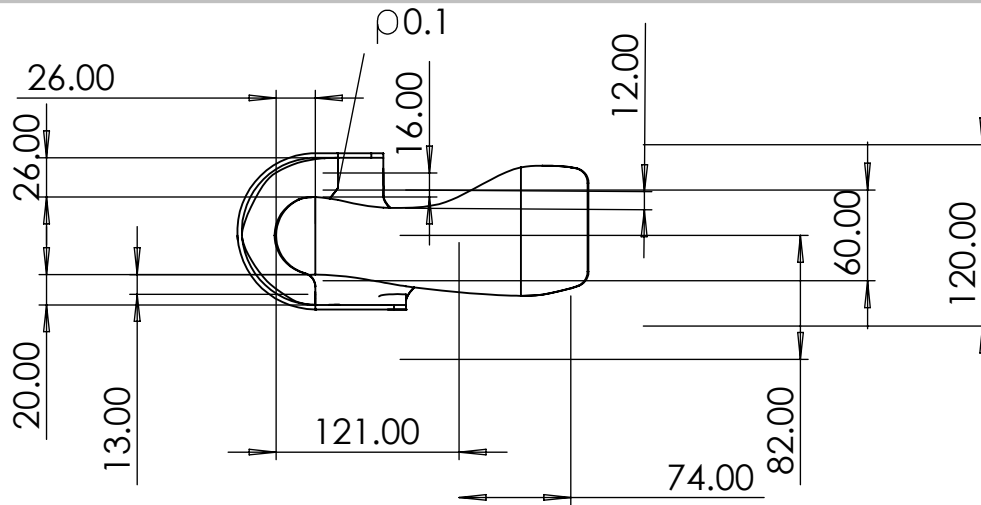
SIZE **A** DWG. NO. REV
 SCALE 1:4 WEIGHT: 793g SHEET 1 OF 15

2

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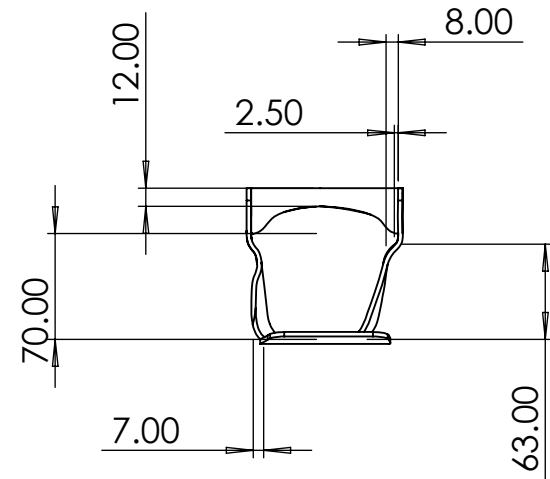
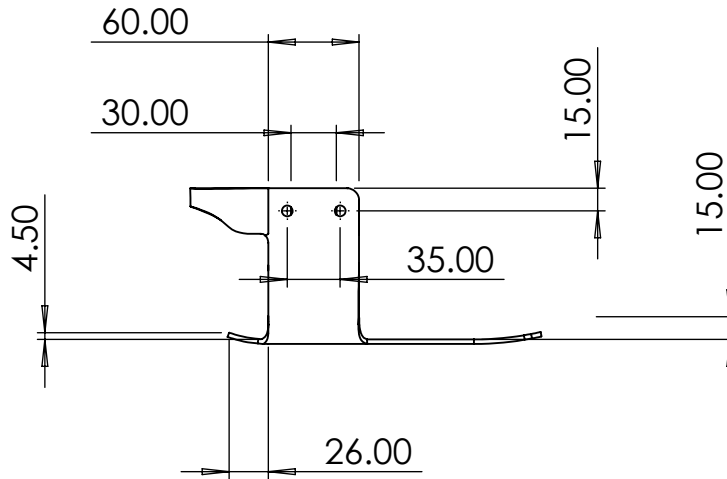
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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		TOLERANCES: ±0.005	CHECKED	AGG	4/8/2023
		FRACTIONAL ±	ENG APPR.	AGG	4/8/2023
		ANGULAR: MACH ± BEND ±	MFG APPR.	AGG	4/8/2023
		TWO PLACE DECIMAL ±	Q.A.	AGG	4/8/2023
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	Manufactured		
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Carbon Fiber Base Plate		
SIZE A	DWG. NO. 1	REV
SCALE: 1:5	WEIGHT:	SHEET 2 OF 15

2

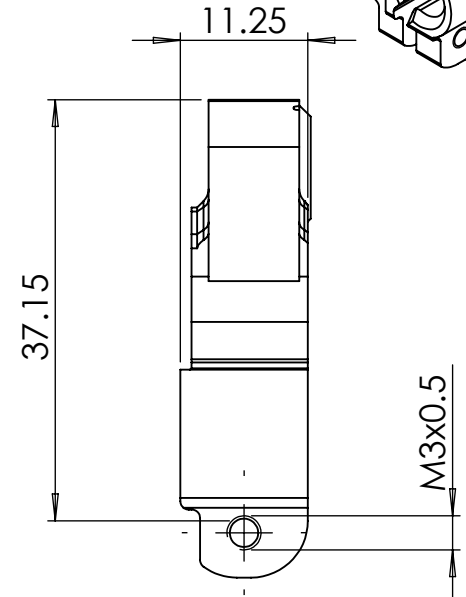
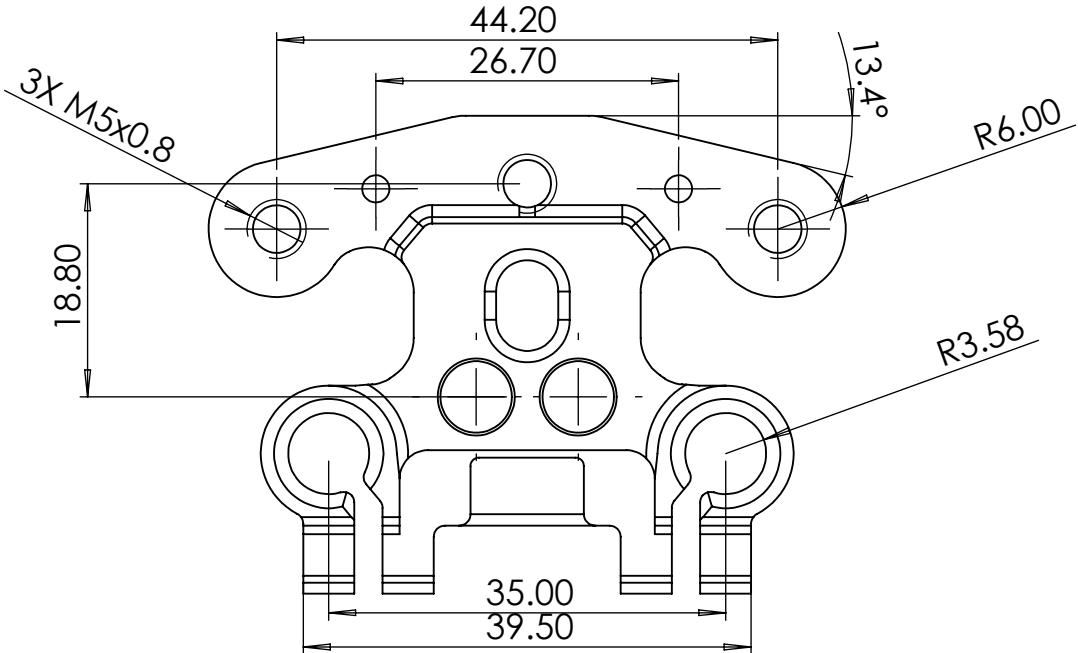
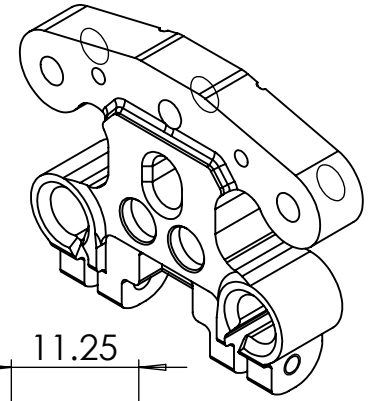
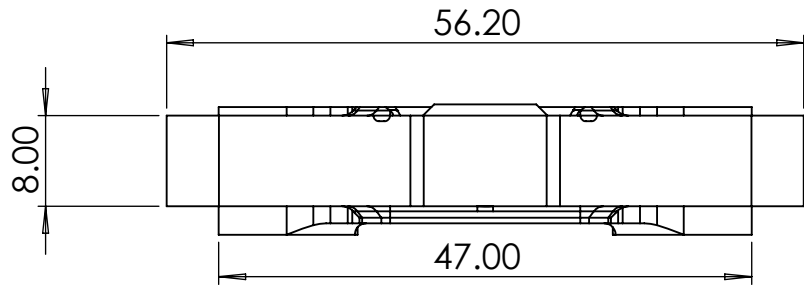
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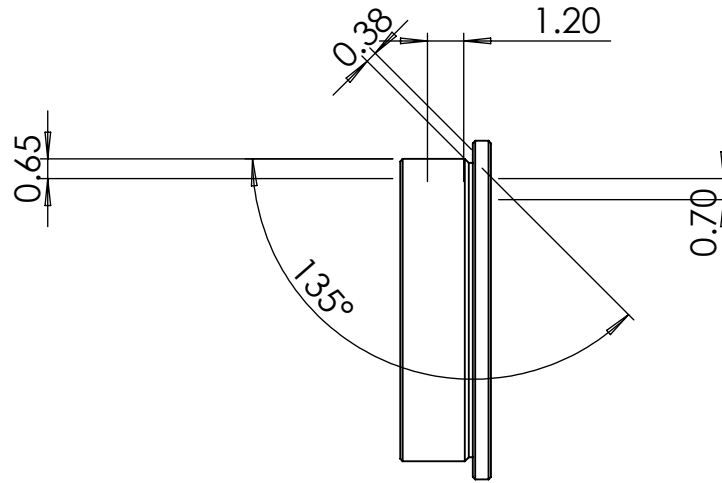
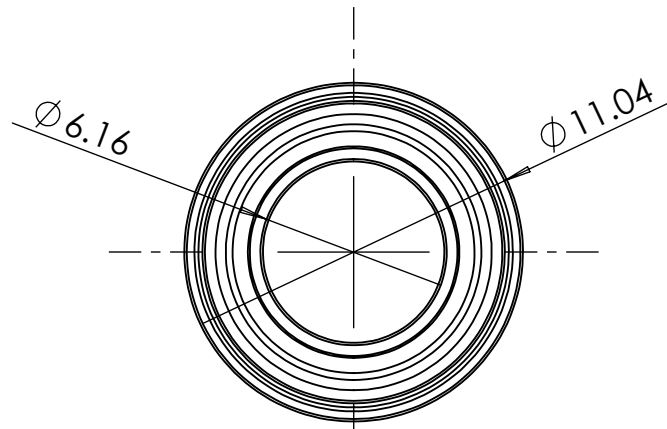
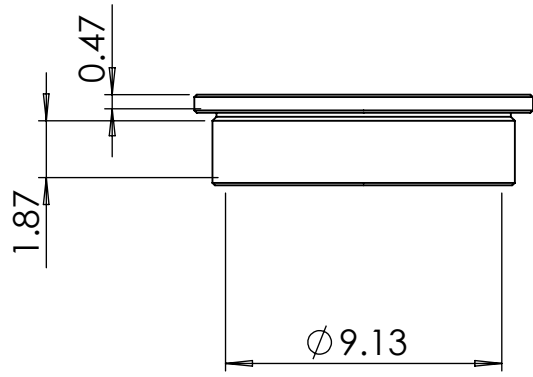
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	NOAH FARRIS	04/08/2023
		TOLERANCES: ± .1 MM	CHECKED	NOAH FARRIS	04/08/2023
		FRACTIONAL ±	ENG APPR.	NOAH FARRIS	04/08/2023
		ANGULAR: MACH ± BEND ±	MFG APPR.	NOAH FARRIS	04/08/2023
		TWO PLACE DECIMAL ±	Q.A.	NOAH FARRIS	04/08/2023
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Quick Connect Torque Sensor

SIZE	DWG. NO.	REV
A	2	
SCALE: 2:1	WEIGHT:	SHEET 3 OF 15

2

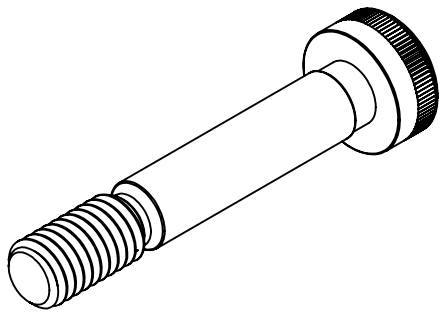
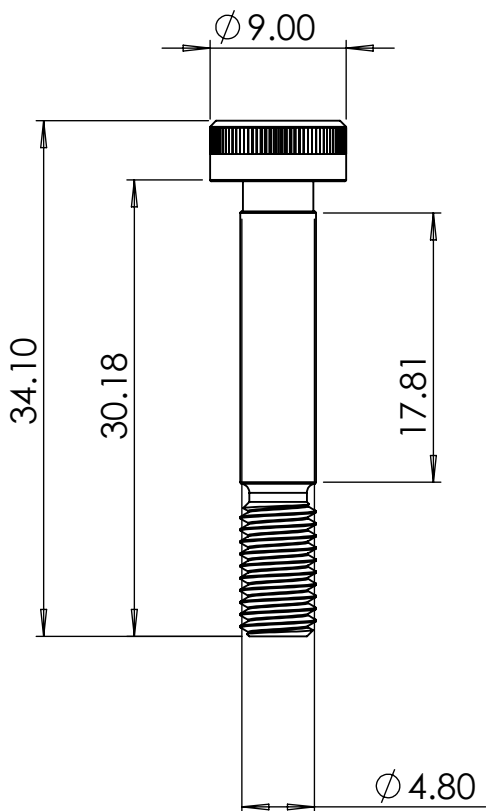
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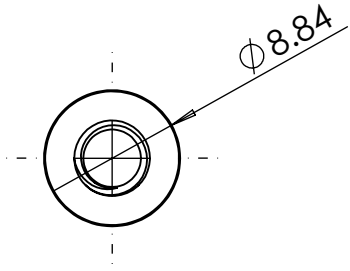
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	RC	4/8/23
		TOLERANCES: ± 0.005	CHECKED	RC	4/8/23
		FRACTIONAL \pm	ENG APPR.	RC	4/8/23
		ANGULAR: MACH \pm BEND \pm	MFG APPR.	RC	4/8/23
		TWO PLACE DECIMAL \pm	Q.A.	RC	4/8/23
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL	Stainless Steel		
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Ball Bearing</h1>		
SIZE	DWG. NO.	REV
A	4	
SCALE: 4:1	WEIGHT:	SHEET 5 OF 15



M5 x 0.80 mm thread



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MILLIMETERS
 SURFACE FINISH:
 TOLERANCES: ± 0.5 mm
 LINEAR:
 ANGULAR:

FINISH:

DEBURR AND
 BREAK SHARP
 EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE	
DRAWN	EC		4-8-23	
CHK'D	EC		4-8-23	
APPV'D	EC		4-8-23	
MFG	EC		4-8-23	
Q.A	EC		4-8-23	
				MATERIAL:
				WEIGHT:

TITLE:
Shoulder Screw

DWG NO. **5**

SCALE: 2:1

SHEET 6 OF 15

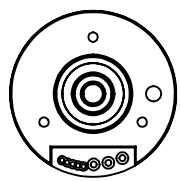
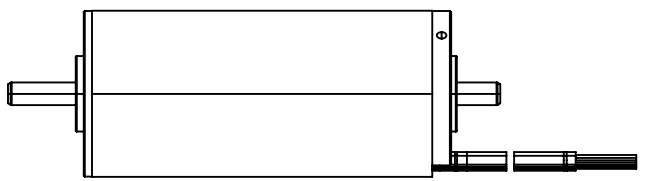
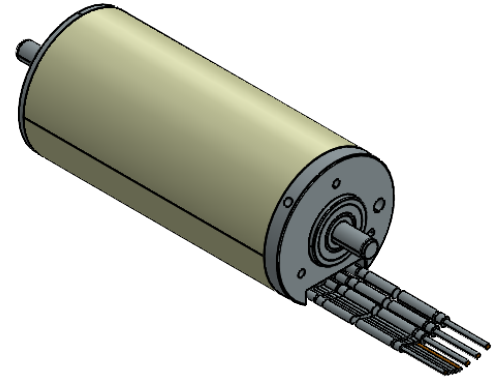
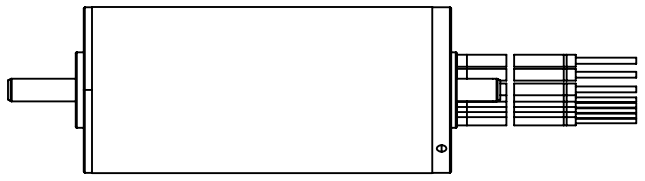
A4

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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: Battery		
SIZE A	DWG. NO. 7	REV
SCALE: 1:1	WEIGHT:	SHEET 7 OF 15

2

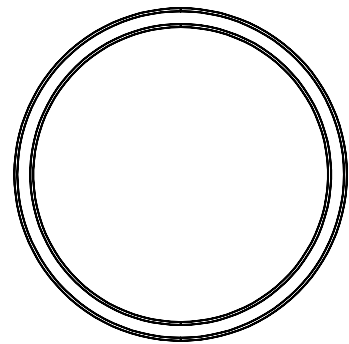
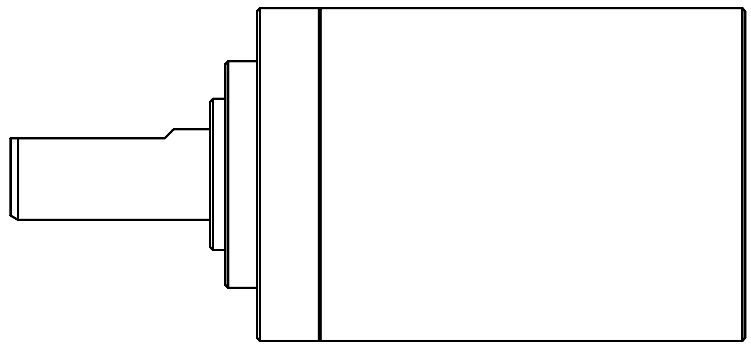
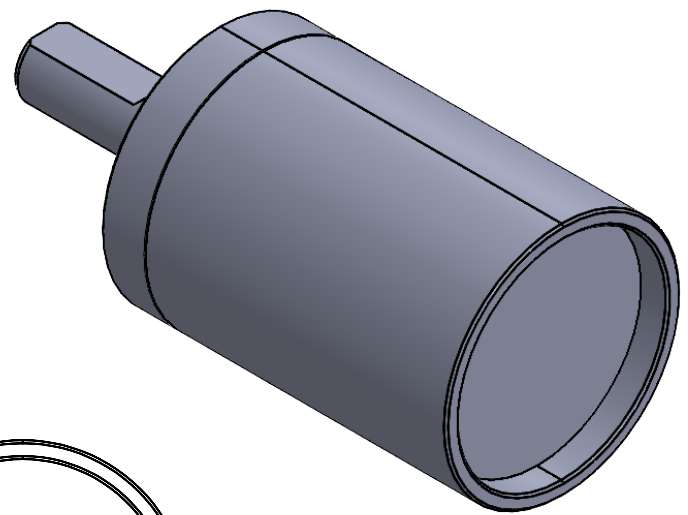
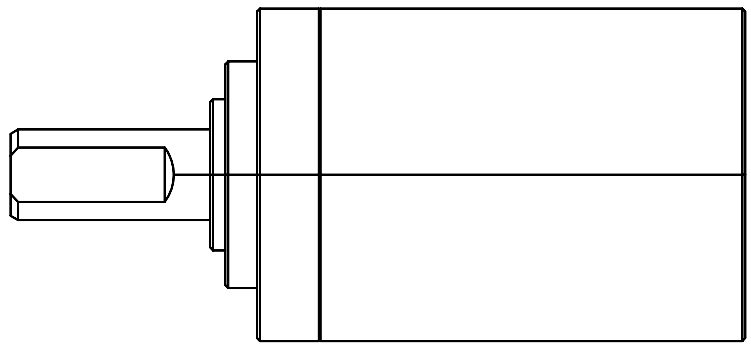
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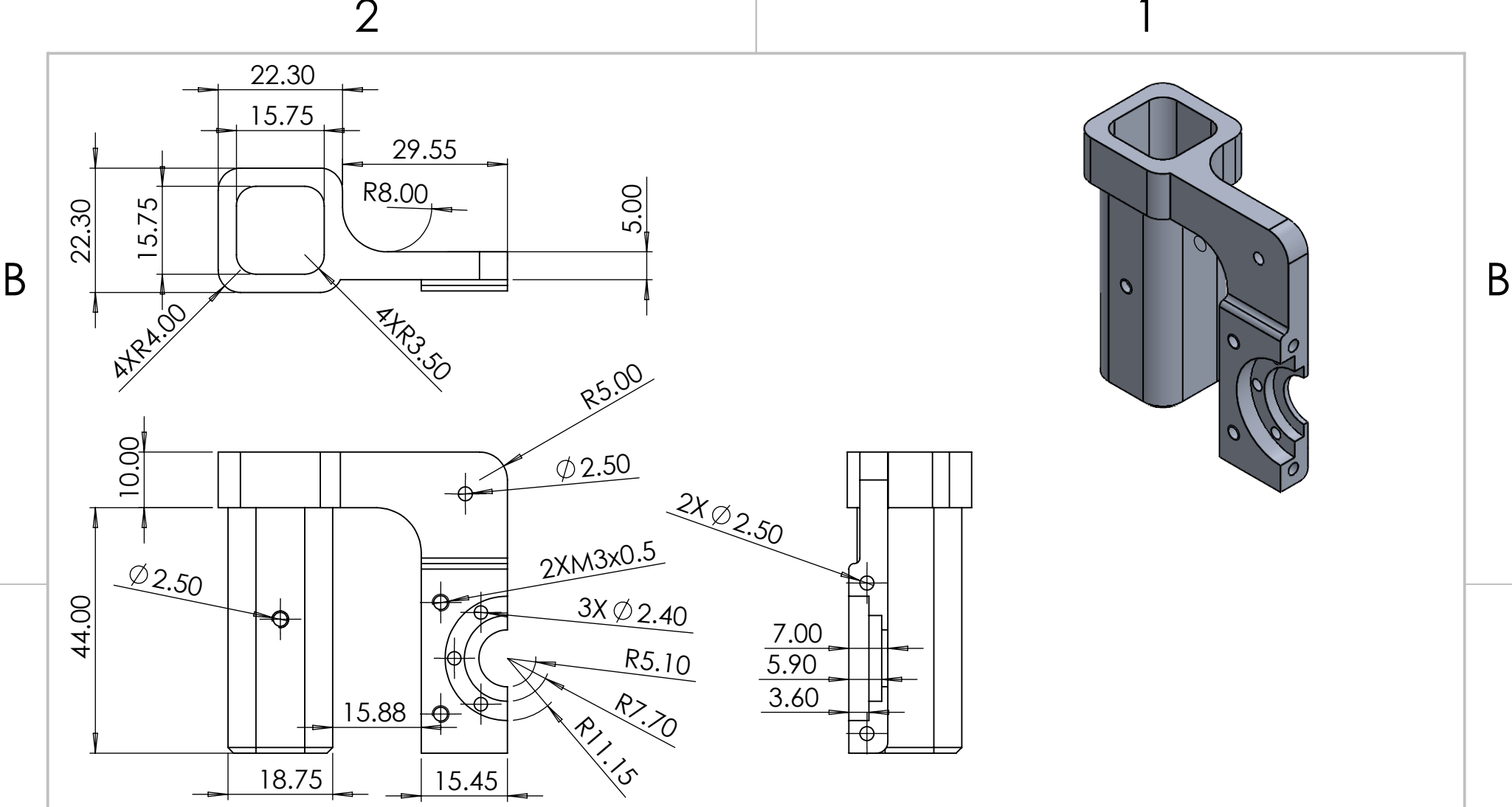
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		TWO PLACE DECIMAL ±	Q.A.		
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
<h1>Gearbox</h1>		
SIZE	DWG. NO.	REV
A	8	
SCALE: 2:1	WEIGHT:	SHEET 8 OF 15

2

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		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:
Spark Plug Motor Mount

SIZE	DWG. NO.	REV
A	9	
SCALE: 1:1	WEIGHT:	SHEET 9 OF 15

2

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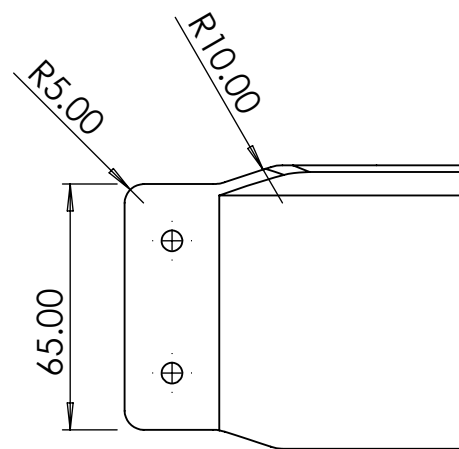
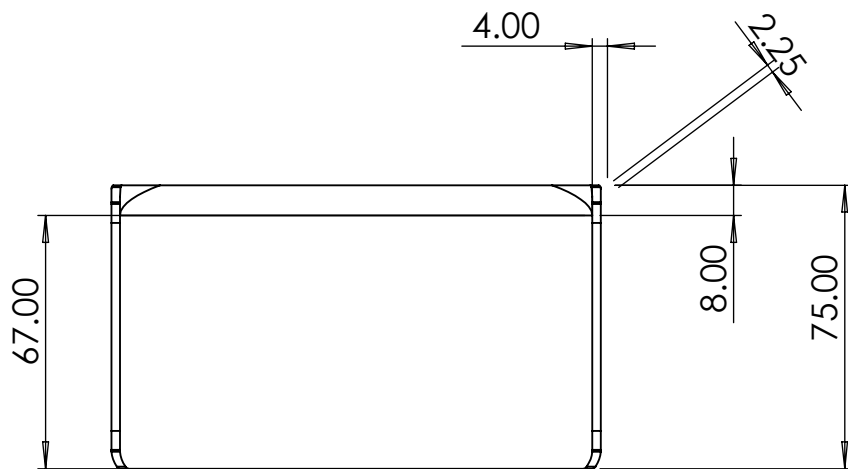
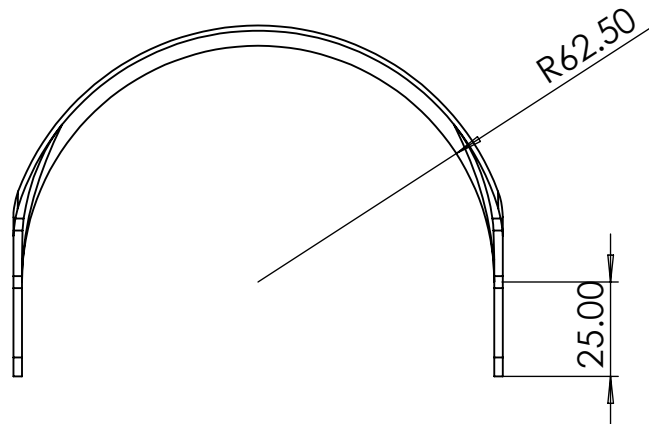
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		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

Calf Cuff Geometry

SIZE	DWG. NO.	REV
A	12	

SCALE: 1:2 WEIGHT: SHEET 10 OF 15

2

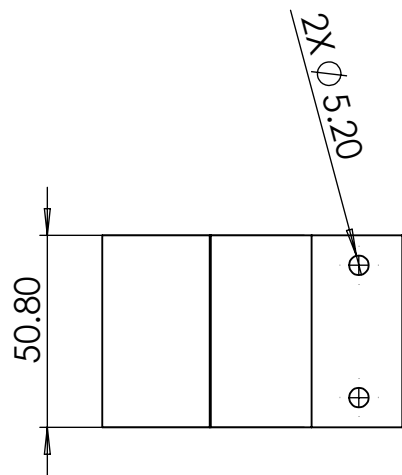
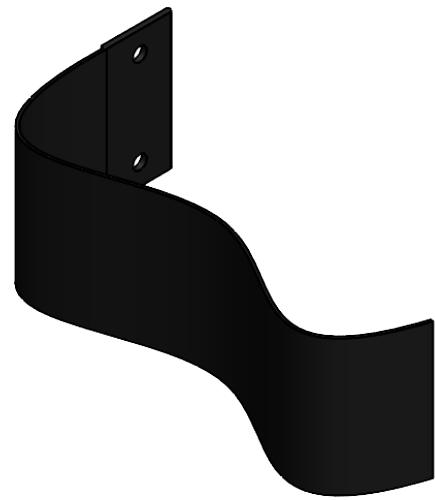
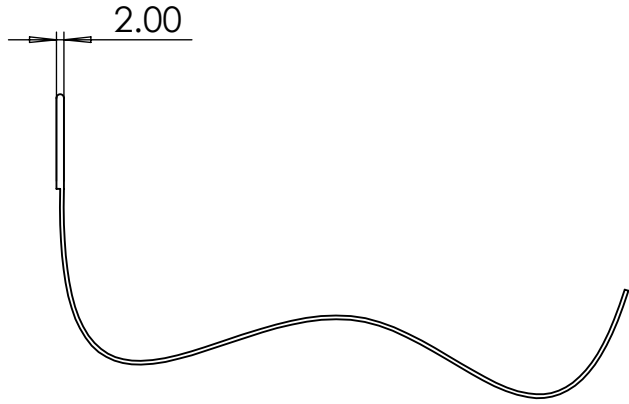
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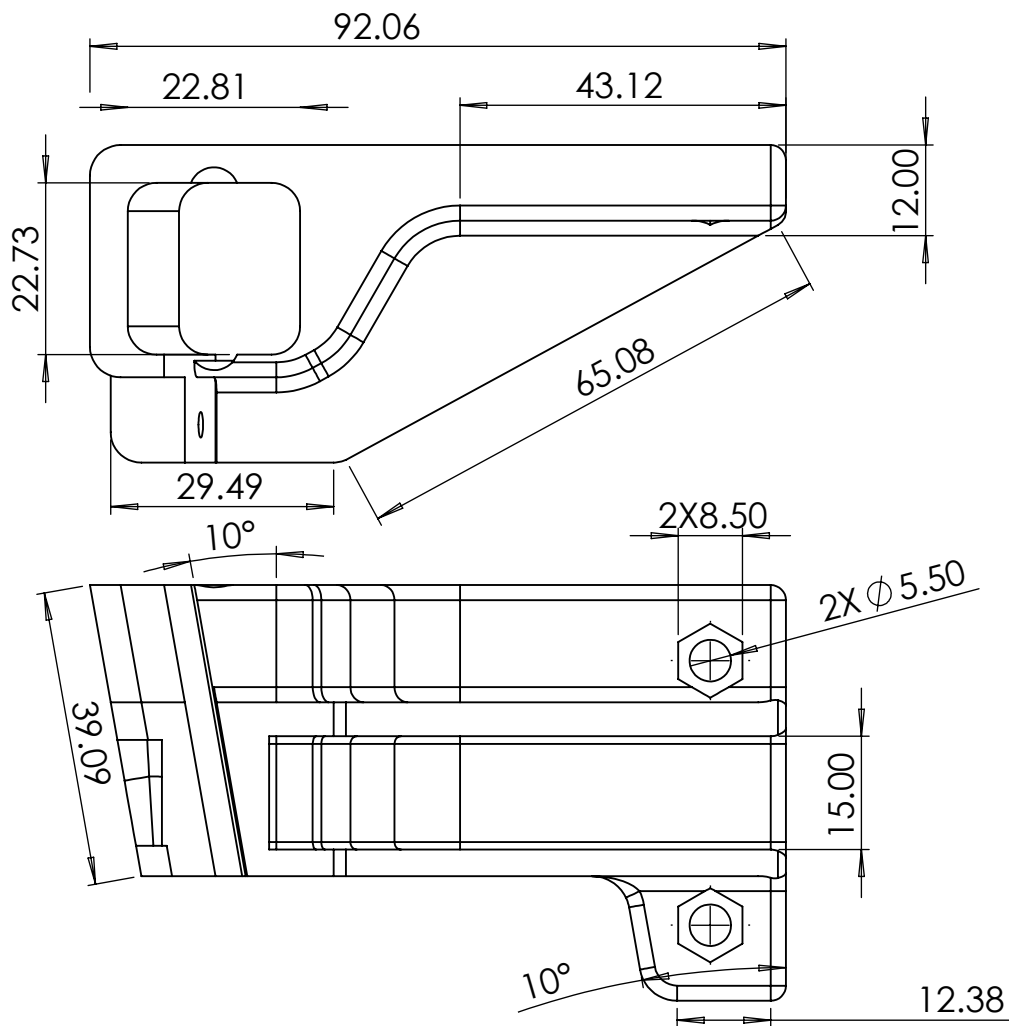
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Velcro Strap		
SIZE A	DWG. NO. 13	REV
SCALE: 1:2	WEIGHT:	SHEET 11 OF 15

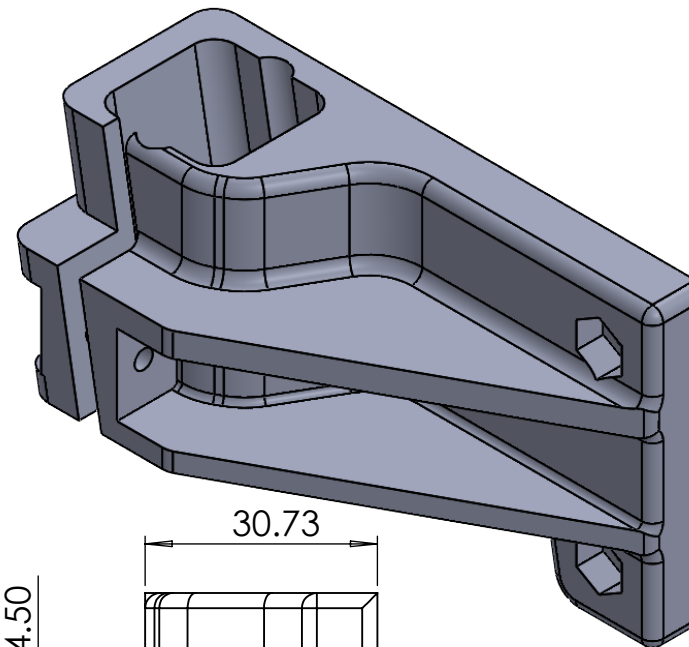
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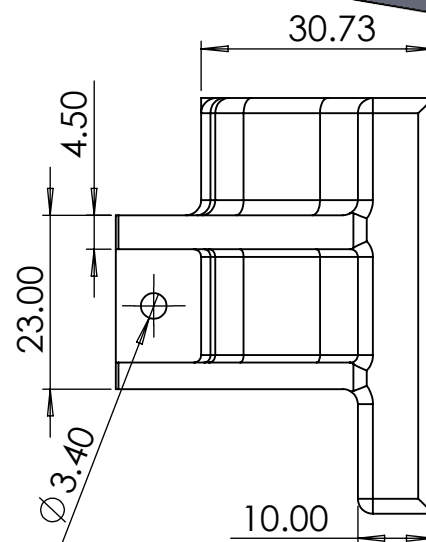
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		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

TITLE:

Calf Cuff Extender

SIZE

A

DWG. NO.

15

REV

SCALE: 1:2

WEIGHT:

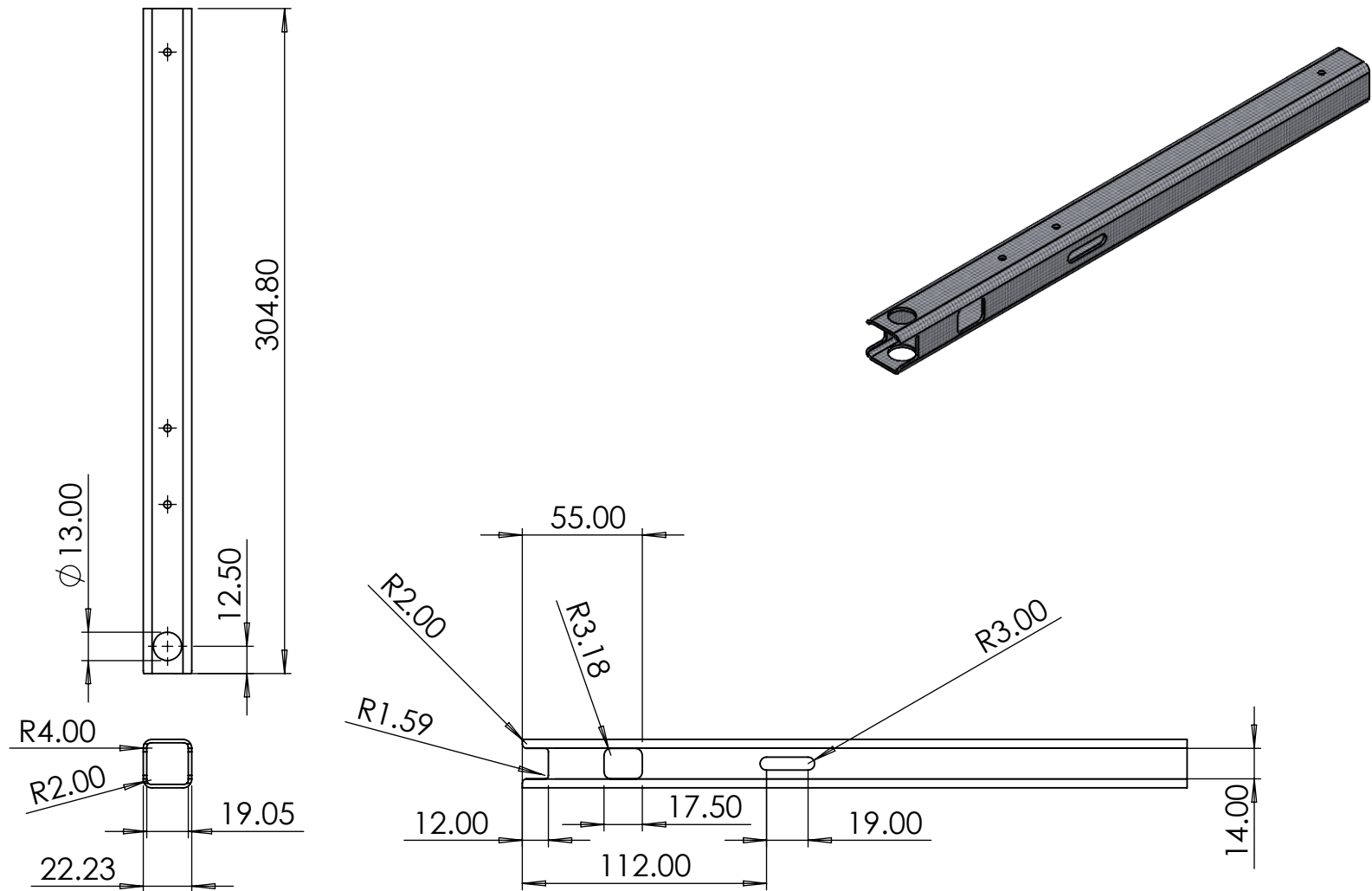
SHEET 12 OF 15

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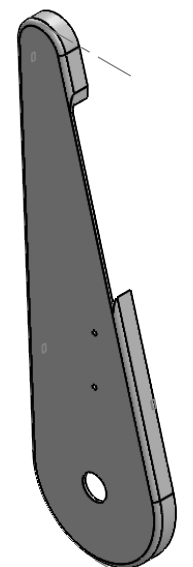
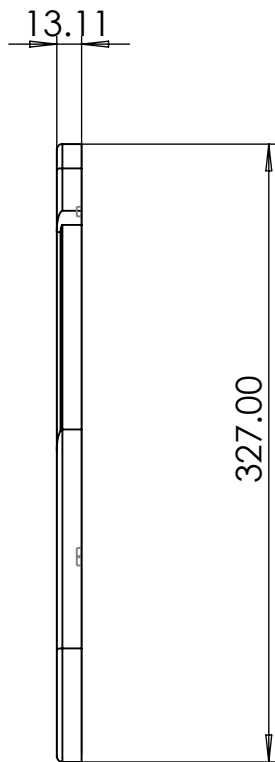
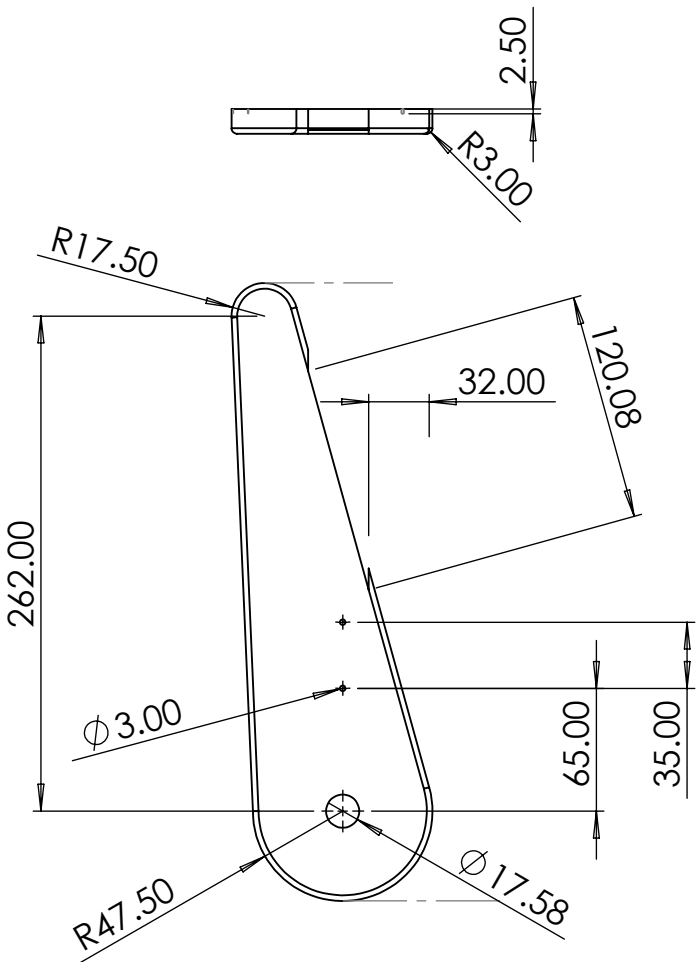
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: STTR Rod		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN					
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED			SIZE	DWG. NO.	REV
		MATERIAL	ENG APPR.			A	16	
NEXT ASSY	USED ON	FINISH	MFG APPR.			SCALE: 1:5		WEIGHT:
APPLICATION		DO NOT SCALE DRAWING	Q.A.			SHEET 13 OF 15		
			COMMENTS:					

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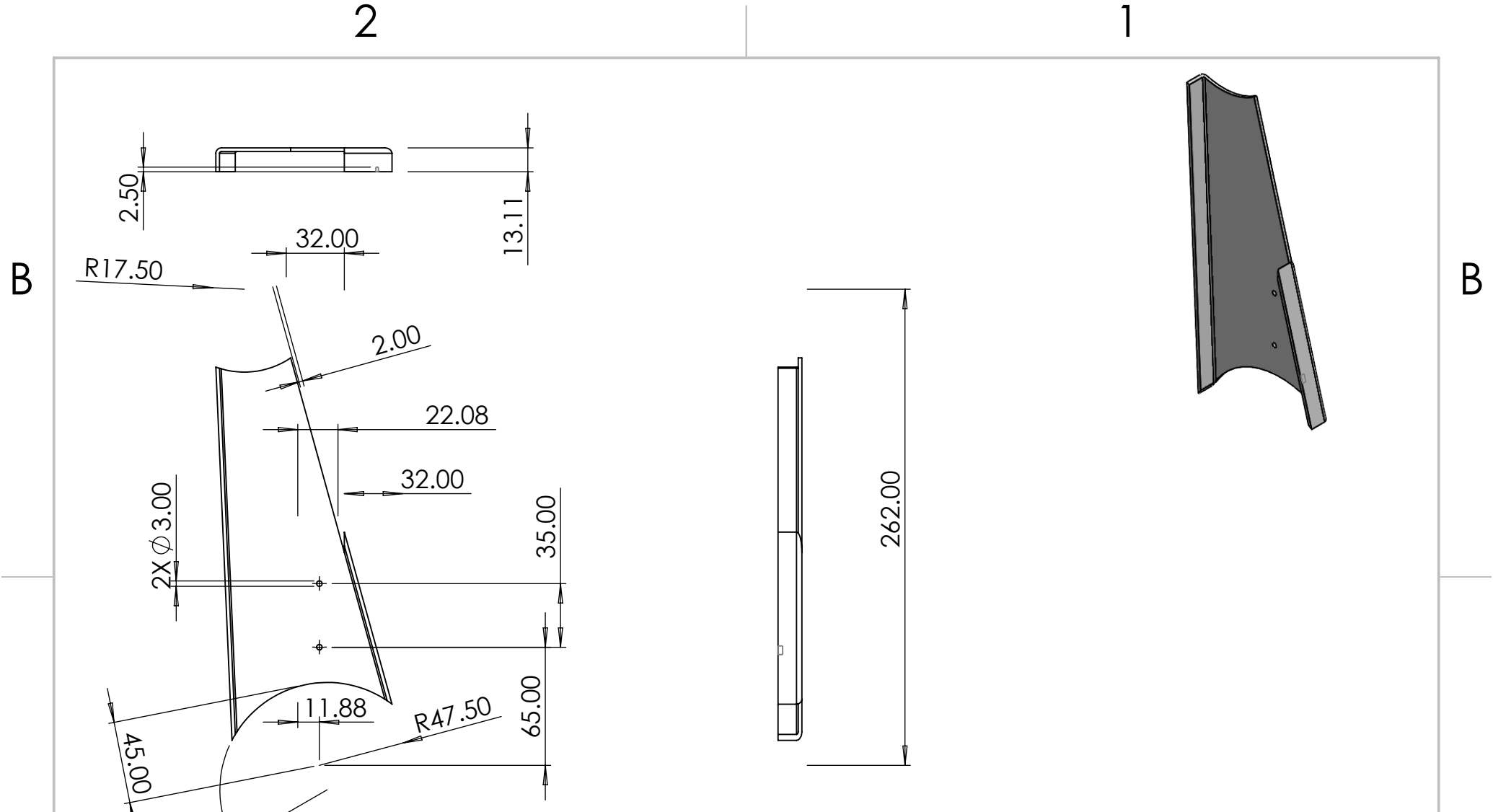
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Chain Cover Front		
SIZE A	DWG. NO. 17	REV
SCALE: 1:5	WEIGHT:	SHEET 14 OF 15

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:		
Chain Cover Back		
SIZE	DWG. NO.	REV
A	18	
SCALE: 1:2	WEIGHT:	SHEET 15 OF 15

2

1