

2

1

B

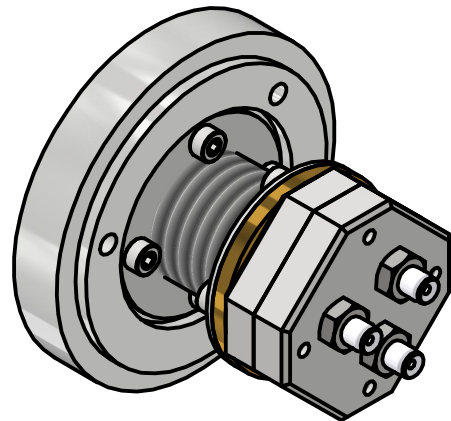
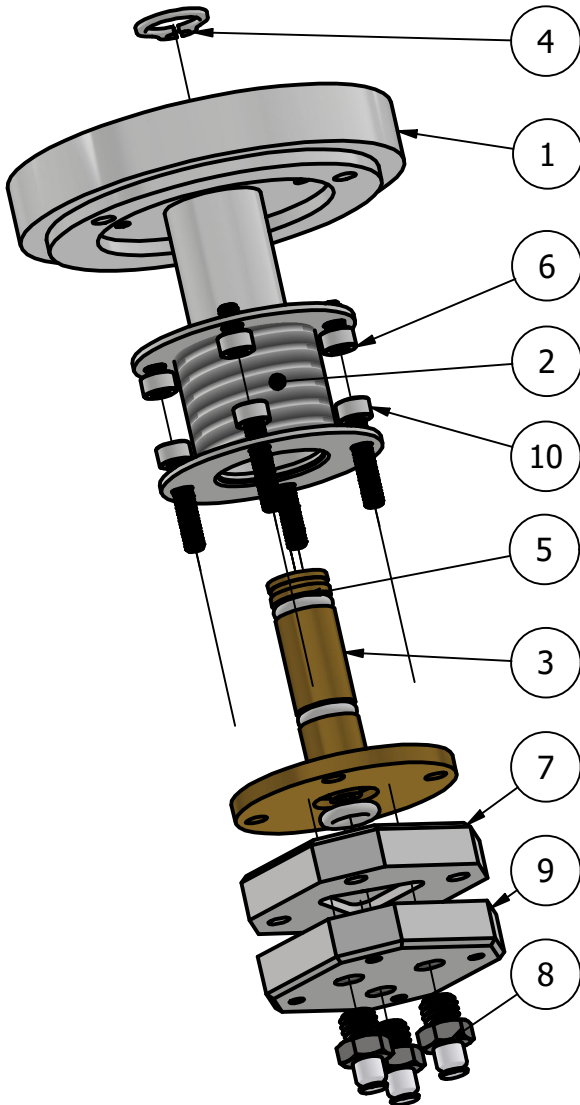
B



A

A

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	Picker Base
2	1	Bellows Assembly
3	1	Picker Spool
4	1	98541A116_External Retaining Ring
5	3	9452K160_OIL-RESISTANT BUNA-N MULTIPURPOSE O-RING
6	4	91290A099_Alloy Steel Socket Head Screw
7	1	Platform A
8	3	3766A81_Extreme-Temperature Food Industry Vacuum Cup
9	1	Platform B
10	4	91290A104_Alloy Steel Socket Head Screw



Units mm unless indicated otherwise

DRAWN Caleb Fangmeier	5/1/2024	Boston University Physics		
CHECKED				
QA		TITLE Picker Tool - V2 Assembly		
MFG				
APPROVED				
		SIZE A	DWG NO Picker Tool - V2	REV
		SCALE 1 : 1	SHEET 1 OF 6	

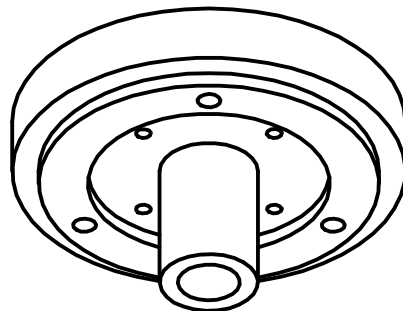
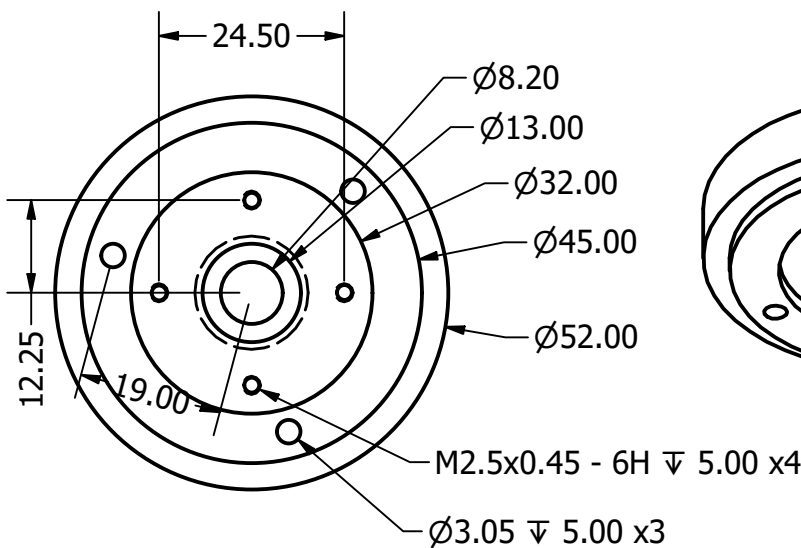
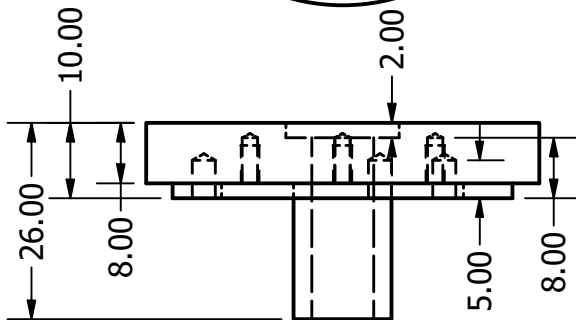
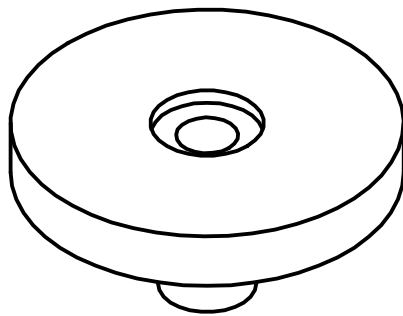
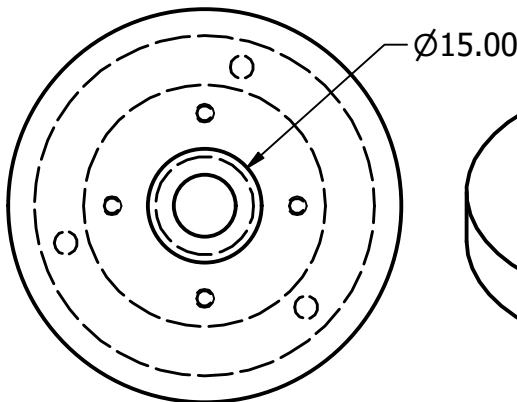
2

1

2

1

Material: MIC6 Aluminum



A

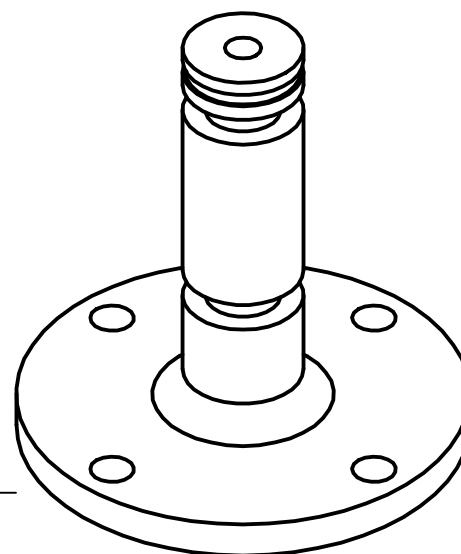
A

DRAWN		Boston University Physics			
Caleb Fangmeier	5/1/2024				
CHECKED		TITLE  Picker Tool - V2  Picker Base			
QA					
MFG					
APPROVED					
		SIZE		DWG NO	REV
		A		Picker Tool - V2	
		SCALE	1 : 1	SHEET 2 OF 6	

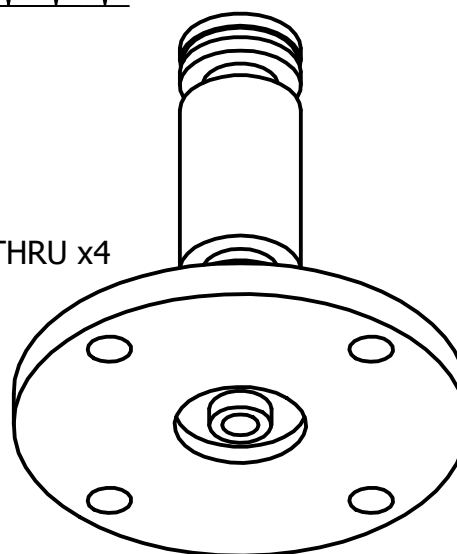
2

1

1



B

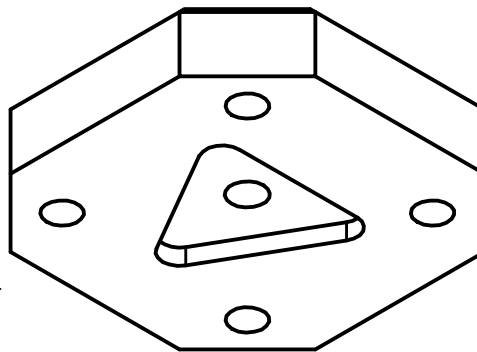
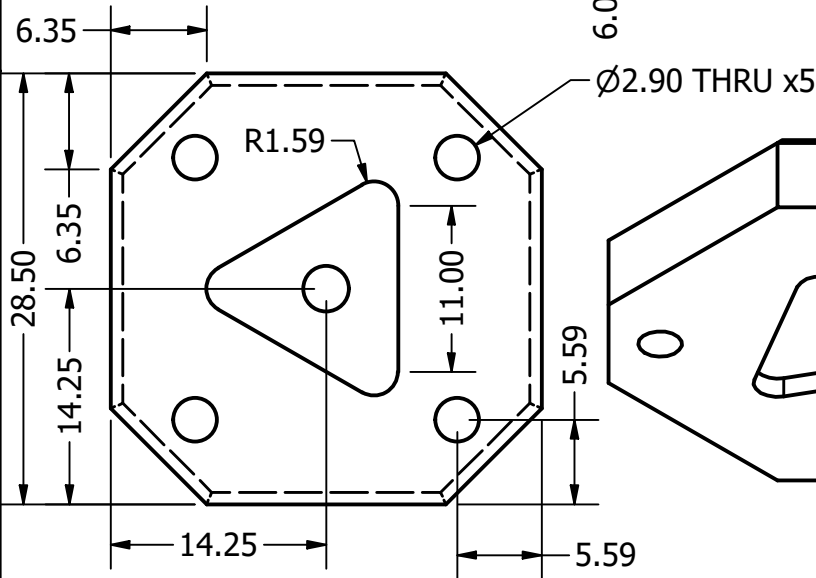
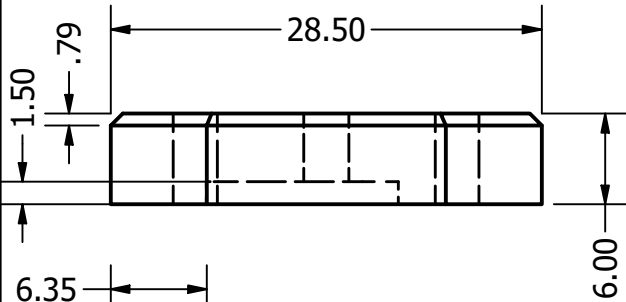
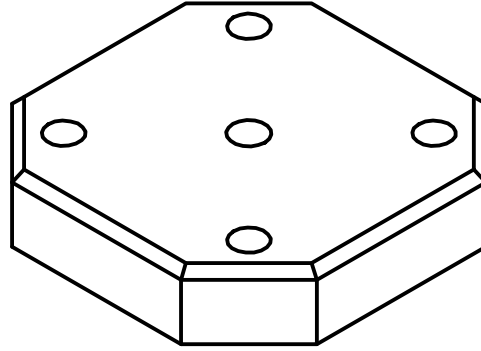
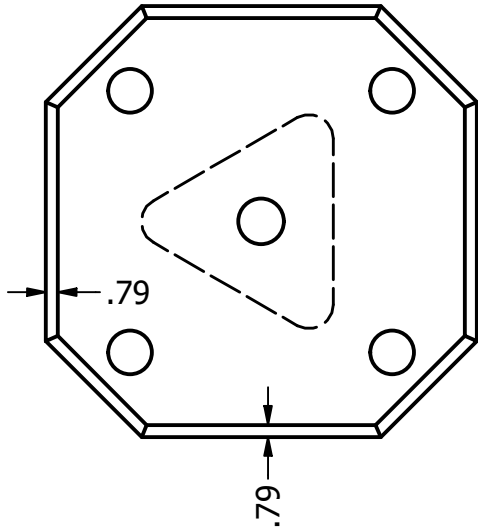


A

DRAWN Caleb Fangmeier	5/1/2024	Boston University Physics			
CHECKED		TITLE <h1>Picker Tool - V2</h1> <h1>Picker Spool</h1>			
QA					
MFG					
APPROVED					
		SIZE A		DWG NO Picker Tool - V2	REV
		SCALE 2 : 1		SHEET 3 OF 6	

1

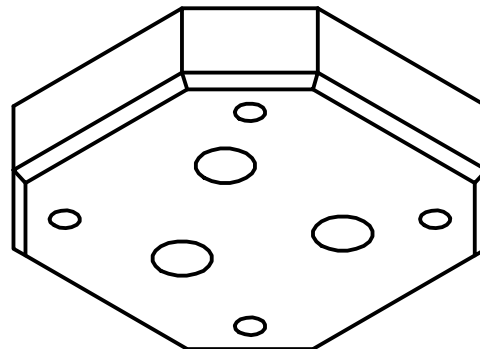
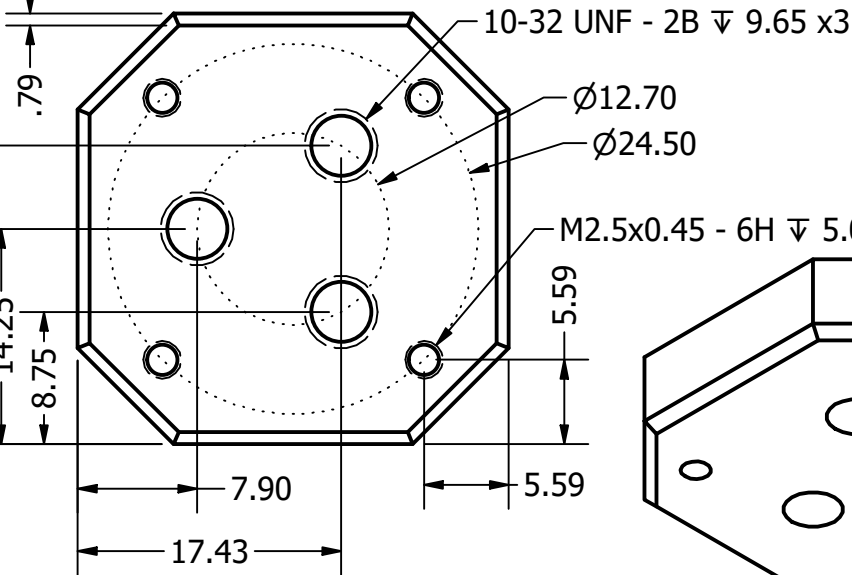
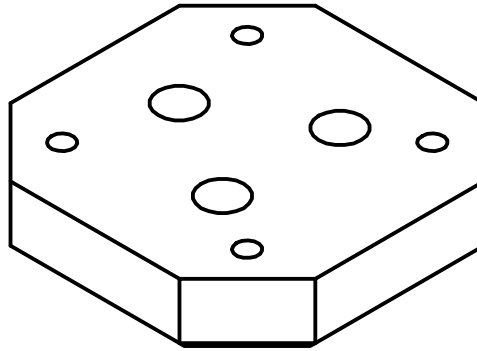
Material: MIC6 Aluminum



DRAWN		Boston University Physics			
Caleb Fangmeier	5/1/2024				
CHECKED		TITLE  Picker Tool - V2  Platform A			
QA					
MFG					
APPROVED					
		SIZE		DWG NO	REV
		A		Picker Tool - V2	
		SCALE	2 : 1		SHEET 4 OF 6

1

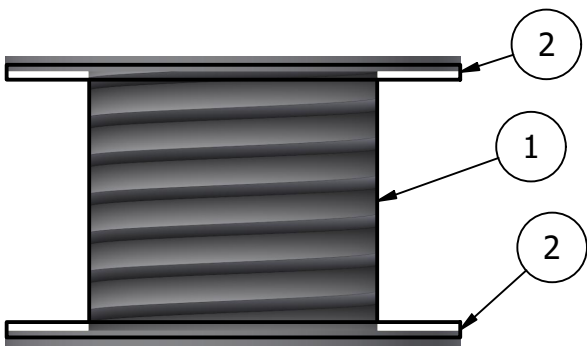
# B



A

DRAWN Caleb Fangmeier	5/1/2024	Boston University Physics			
CHECKED		TITLE <h1>Picker Tool - V2</h1> <h2>Platform B</h2>			
QA					
MFG					
APPROVED					
		SIZE A		DWG NO Picker Tool - V2	REV
		SCALE 2:1		SHEET 5 OF 6	

1

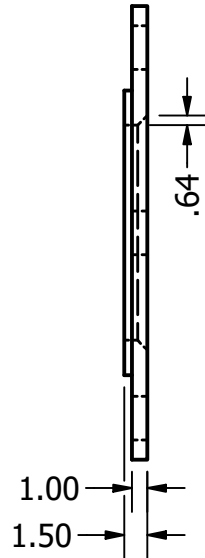
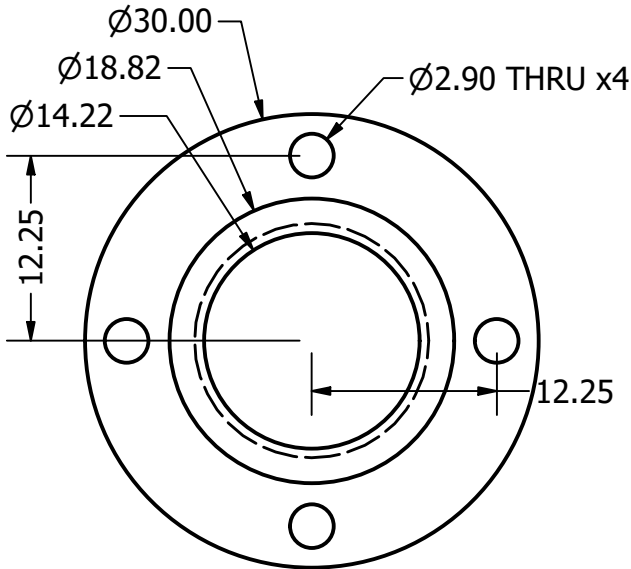
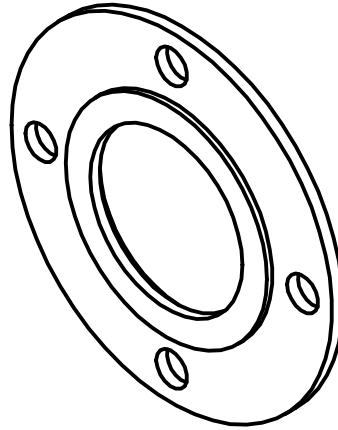


PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	FC-13 Bellows
2	2	Flange

Flange Material: Stainless Steel

Bellows: Servometer Part # FC-13  
<https://www.mwcomponents.com/shop/fc-13>

Assembled with appropriate metal-on-metal glue



DRAWN		Boston University Physics			
Caleb Fangmeier	5/1/2024				
CHECKED		TITLE  Picker Tool - V2  Bellows Assembly & Flange			
QA					
MFG					
APPROVED					
		SIZE		DWG NO	REV
		A		Picker Tool - V2	
		SCALE	2 : 1		SHEET 6 OF 6