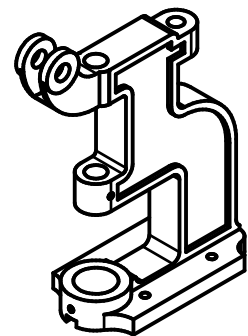


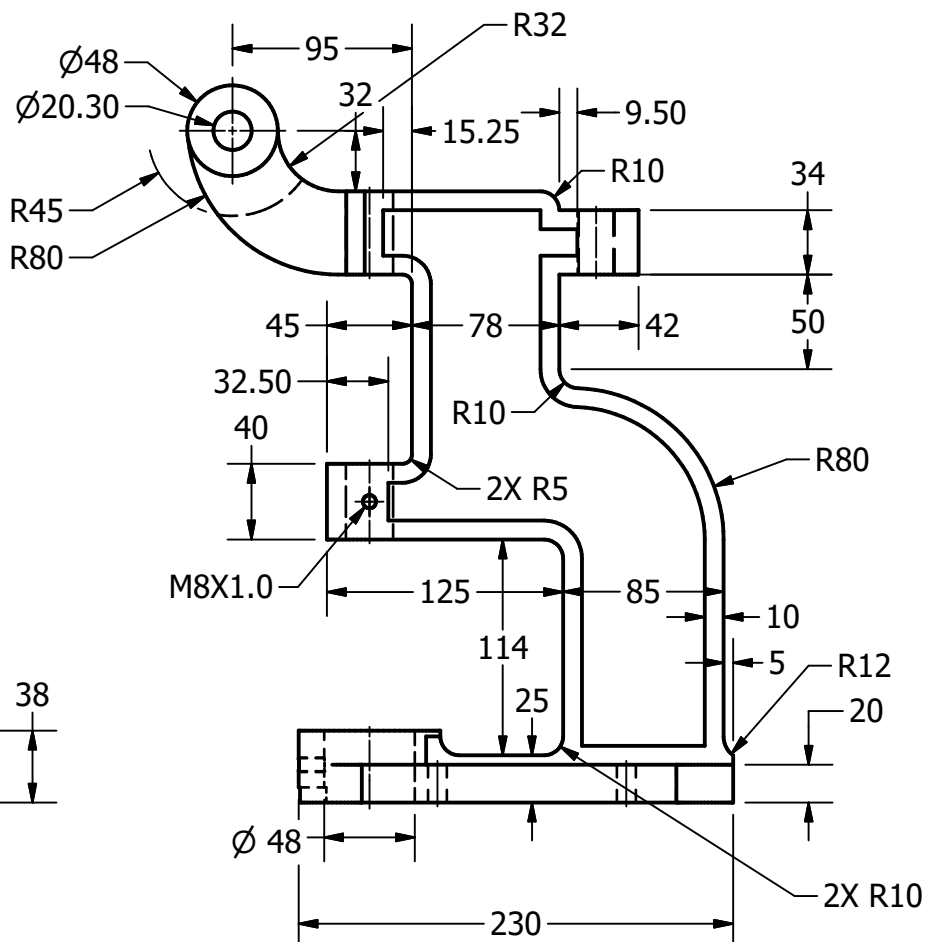
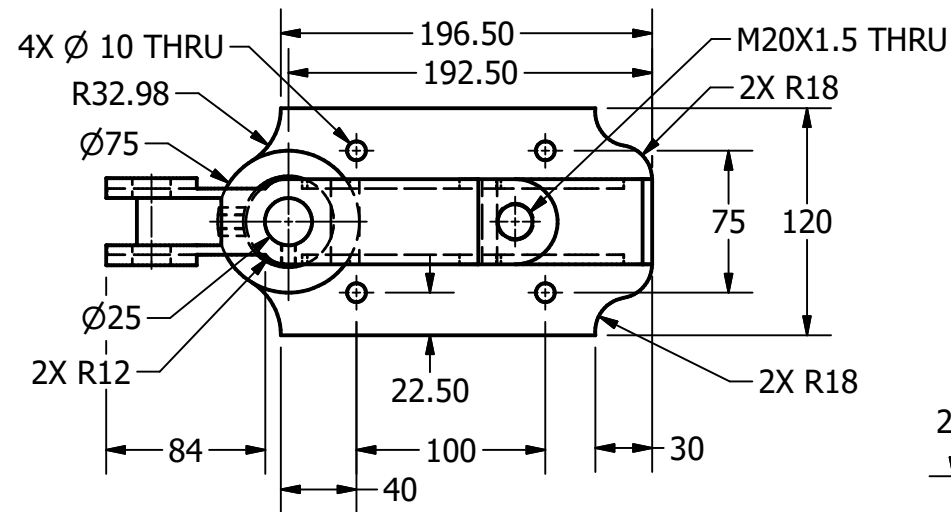
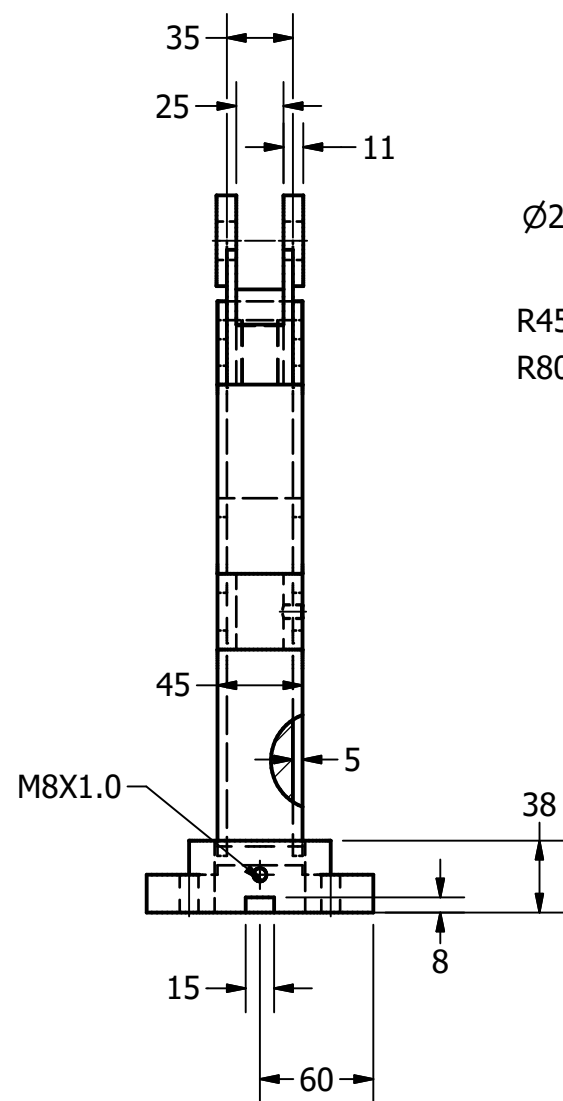
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	Body
2	1	Mould
3	1	Lever
4	1	Punch Tool Holder
5	1	Spring
6	1	Punch Tool
7	1	Taper Pin
8	1	Clevis Pin 20X60X5-ISO2341
9	1	Split Pin 5X 25-ISO1234
10	1	M20X1.5 Hex Bolt-ANSI B18.2.3.5M
11	1	M20X1.5-Hex Nut-ANSI B18.2.4.1M
12	1	M8X1.25X20-Pan Slot Head Screw-ANSI B18.6.7M

DRAWN christopher.eckels	12/5/2023	Community College of Allegheny County		
CHECKED		TITLE HAND PUNCH PRESS		
QA				
MFG				
APPROVED				
EDD135-SC01		SIZE B	METRIC	DWG NO 4-000
		SCALE 1 / 4	SHEET 1 OF 5	
				REV

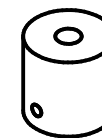
BODY



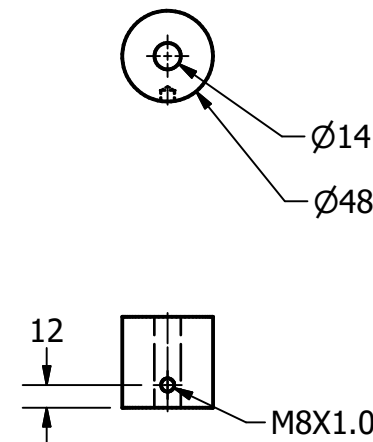
NOTES:
1. Material Gray Cast Iron
2. Debure Sharp Edges



MOULD

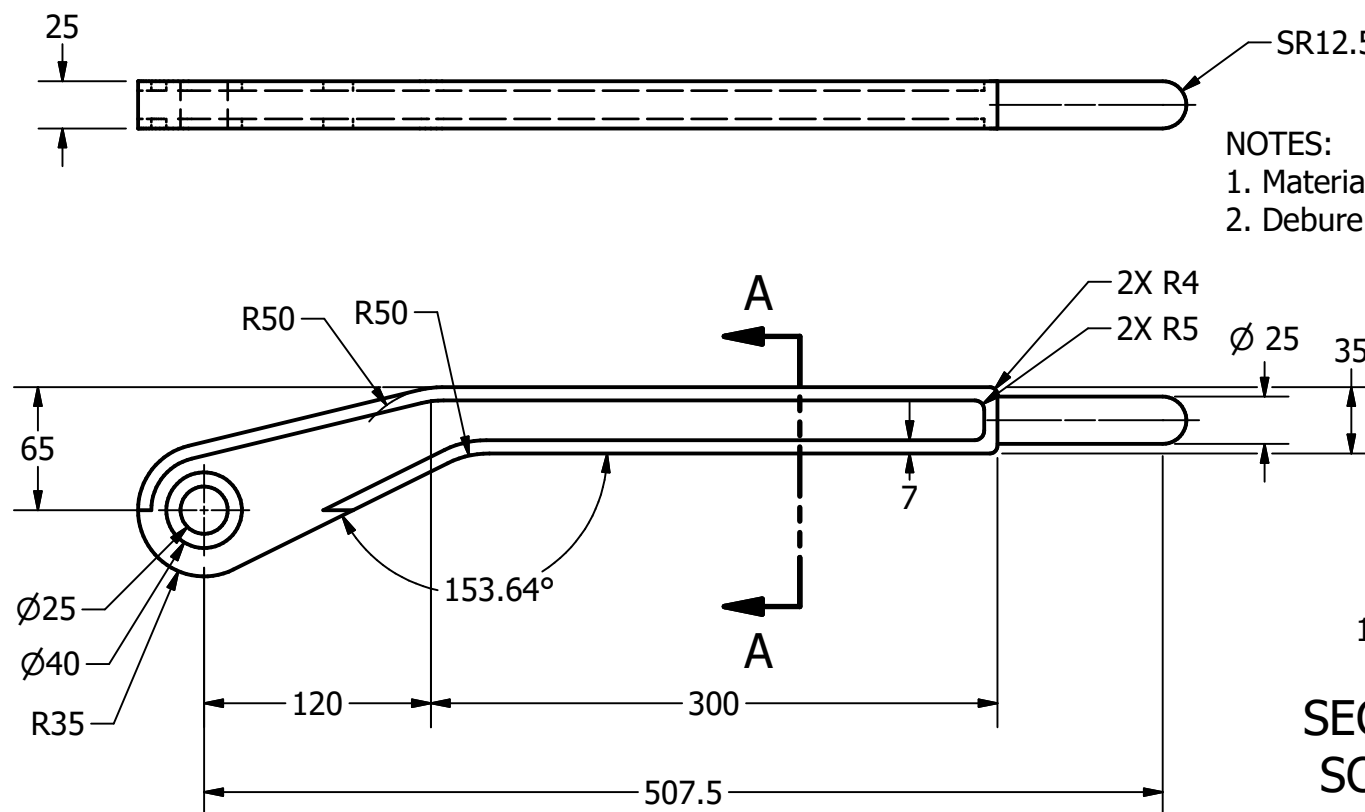


NOTES:
1. Material Gray Cast Iron
2. Debure Sharp Edges



LEVER

NOTES:
1. Material Gray Cast Iron
2. Debure Sharp Edges

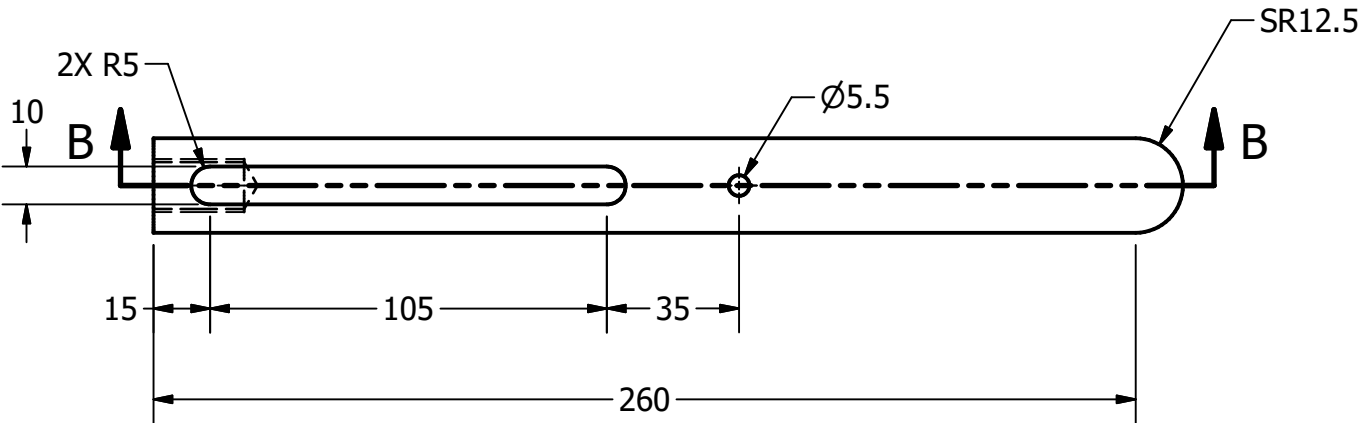


SECTION A-A
SCALE 1 / 4

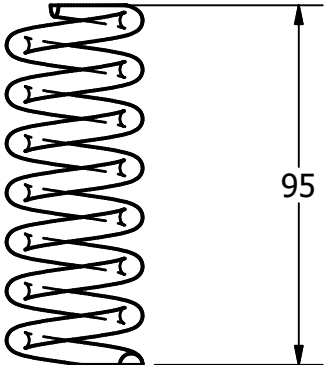
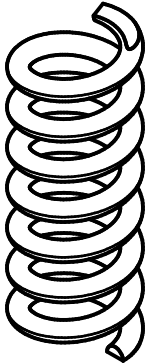
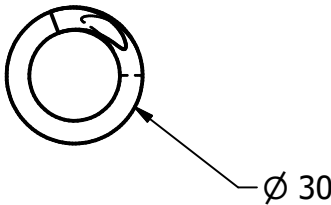
DRAWN christopher.eckels	12/5/2023	Community College of Allegheny County		
CHECKED		TITLE		
QA		1. BODY		
MFG		2. MOULD		
APPROVED		3. LEVER		
EDD135-SC01		SIZE B	METRIC	REV
		SCALE 1 / 4	DWG NO 4-001	
			SHEET 2 OF 5	

PUNCH TOOL HOLDER

SPRING

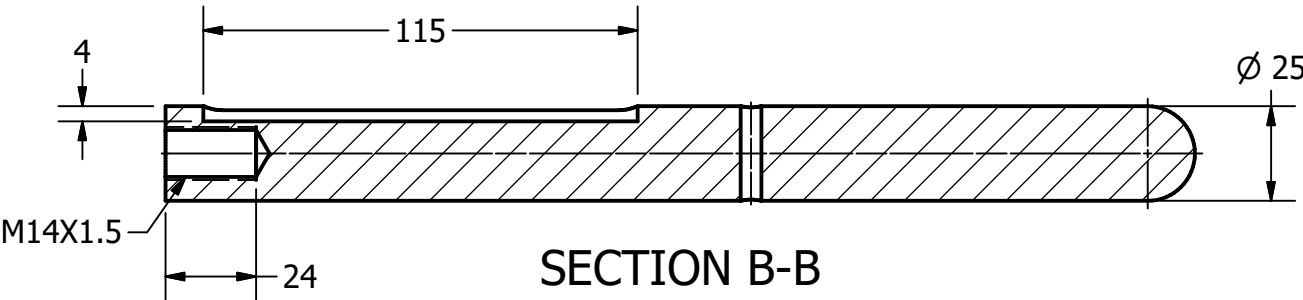


DIA OF SPRING 6mm



DISTANCE BETWEEN COILS: 13mm

- NOTES:
1. Material Alloy Steel Wire
2. Debure Sharp Edges



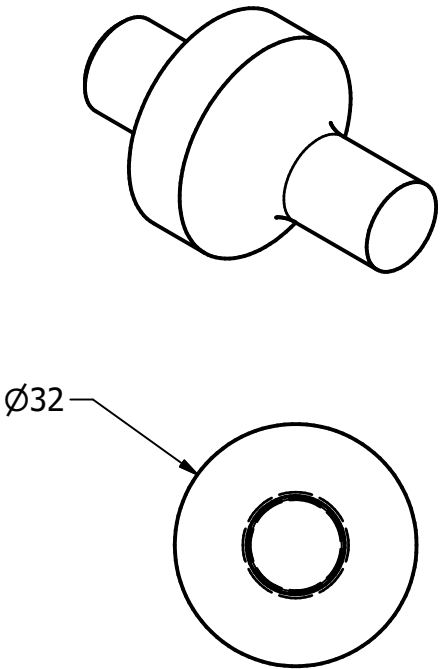
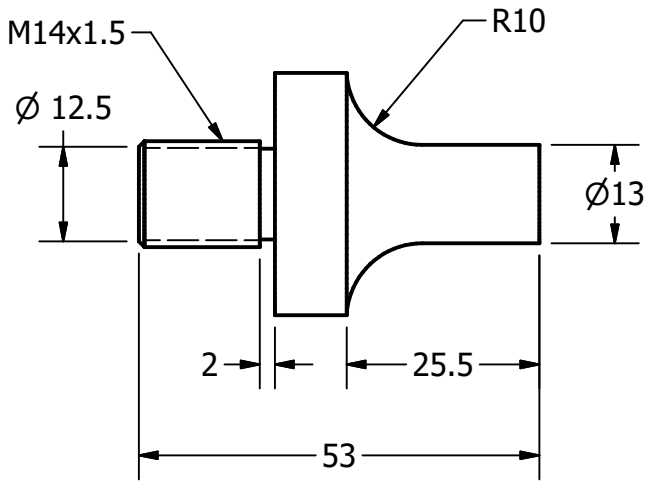
SECTION B-B
SCALE 1 / 2

- NOTES:
1. Material Gray Cast Iron
2. Debure Sharp Edges

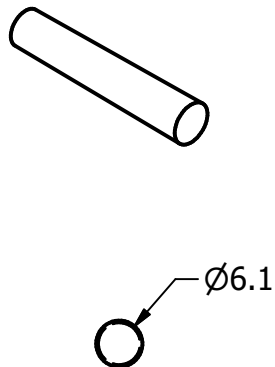
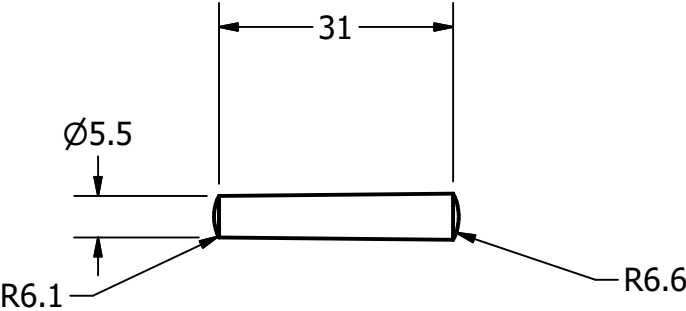
DRAWN christopher.eckels	12/5/2023	Community College of Allegheny County		
CHECKED		TITLE 1. PUNCH TOOL HOLDER 2. SPRING		
QA				
MFG				
APPROVED				
EDD135-SC01		SIZE B	METRIC	DWG NO 4-002
		SCALE 1 / 2	SHEET 3 OF 5	

PUNCH TOOL

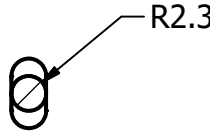
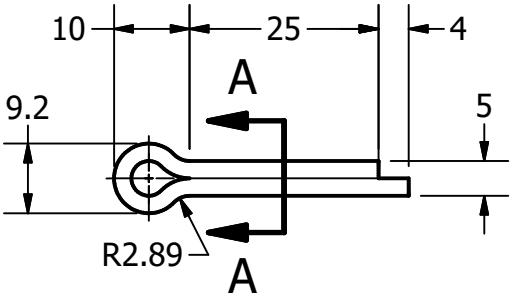
- NOTES:
1. Material ASTM A36 Steel
2. Debure Sharp Edges



TAPER PIN



SPLIT PIN

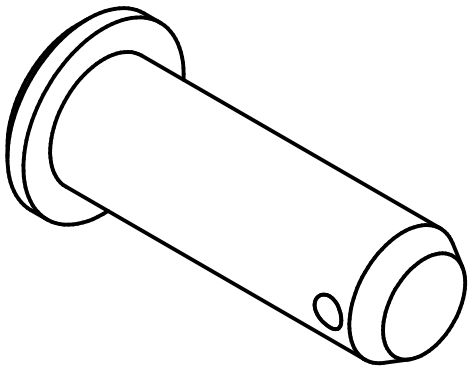
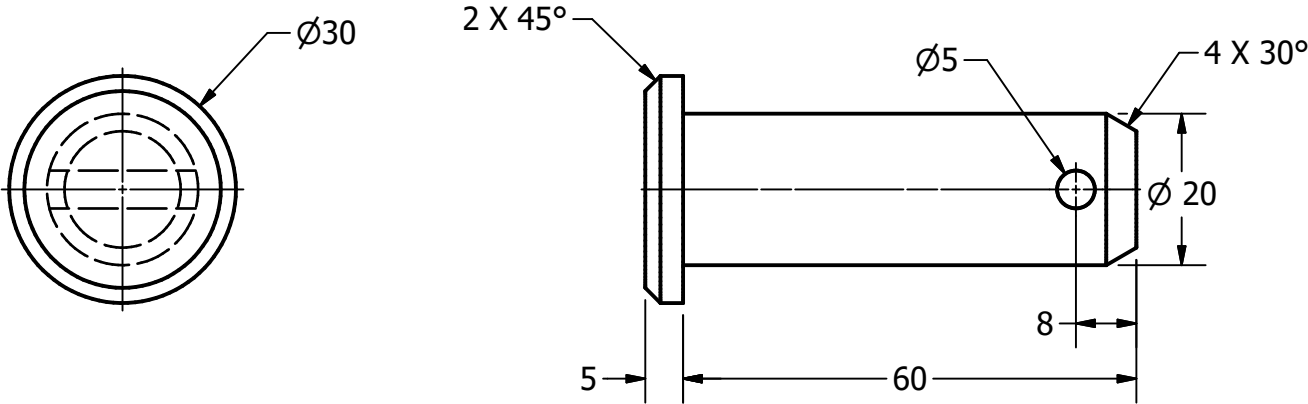


SECTION A-A
SCALE 1 : 1

- NOTES:
1. Material Stainless Steel
2. Debure Sharp Edges

CLEVIS PIN

- NOTES:
1. Material Stainless Steel
2. Debure Sharp Edges



DRAWN christopher.eckels	12/5/2023	Community College of Allegheny County		
CHECKED		TITLE		
QA		1. PUNCH TOOL 3. CLEVIS PIN		
MFG		2. TAPER PIN 4. SPLIT PIN		
APPROVED		SIZE B	METRIC	DWG NO 4-003
EDD135-SC01		SCALE 1 : 1	SHEET 4 OF 5	

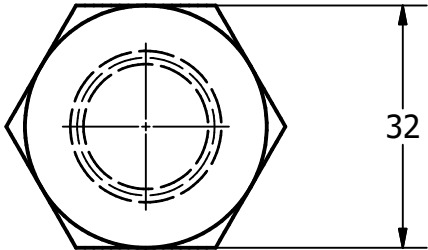
4

3

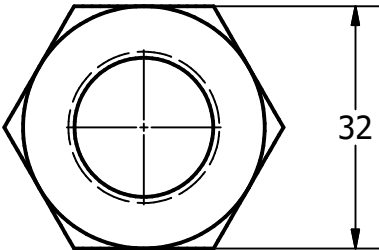
2

1

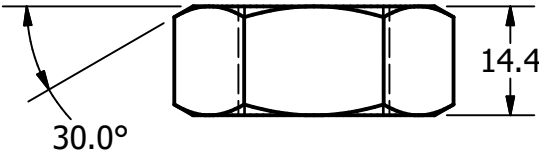
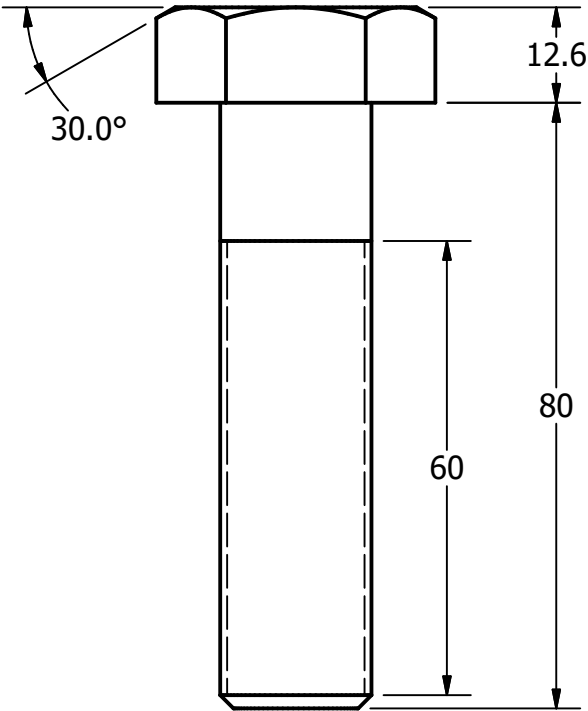
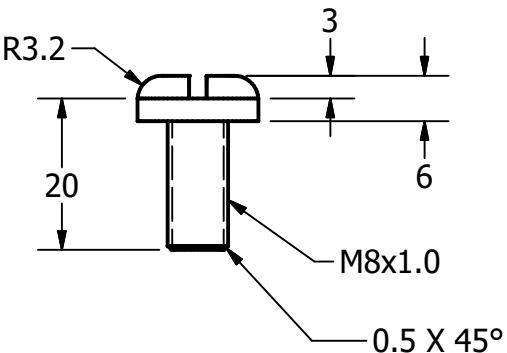
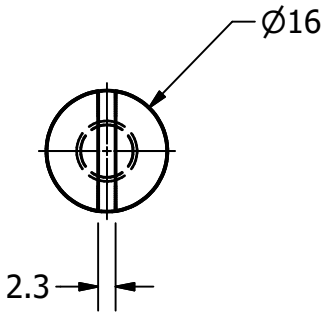
M20X1.5 BOLT



M20X1.5 NUT



M8X1.0X20 PAN SLOT SCREW



NOTES:
1. Material Stainless Steel
2. Debure Sharp Edges

DRAWN christopher.eckels	12/5/2023	Community College of Allegheny County		
CHECKED		1. HEX BOLT 2. HEX NUT 3. PAN SLOT HEAD SCREW		
QA				
MFG				
APPROVED				
EDD135-SC01		SIZE B	METRIC	DWG NO 4-004
		SCALE 1 : 1	SHEET 5 OF 5	