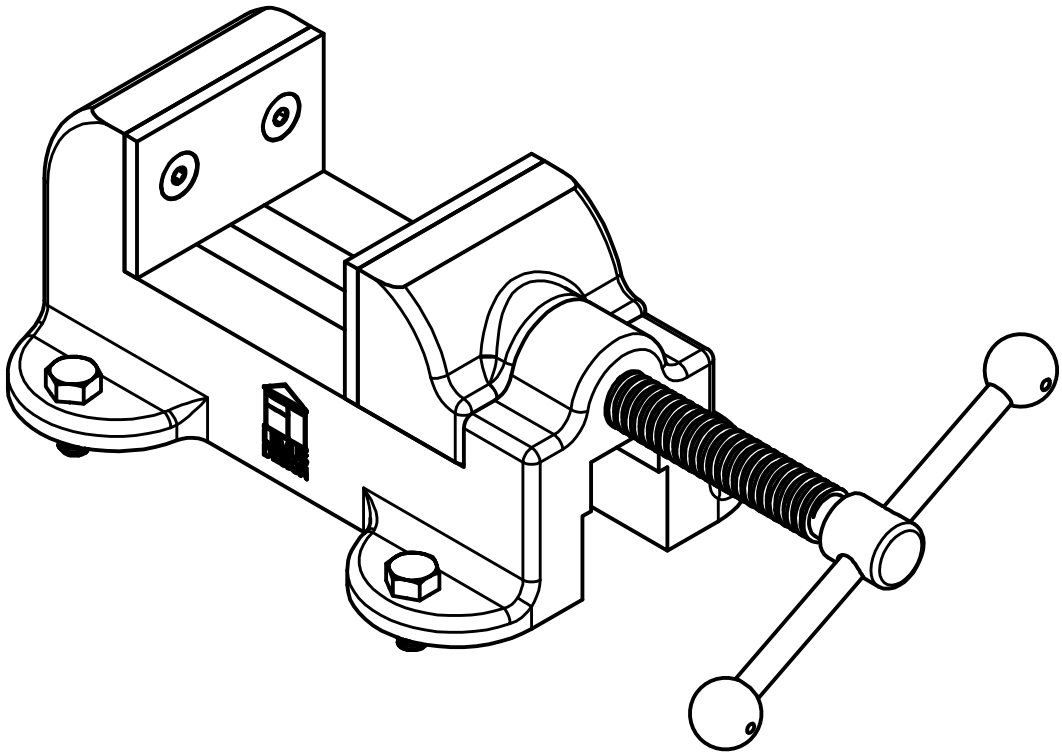


GENERAL NOTES:

FILLETS AND ROUNDS R 1/8 UNLESS SPECIFIED OTHERWISE

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	Iron, Cast	
2	1	COLLAR	Steel AISI 1020 107 HR	
3	1	SLIDING JAW	Iron, Cast	
4	1	SPECIAL KEY	Steel AISI 1020 107 HR	
5	1	WISE SCREW	Steel, Alloy	
6	1	HANDLE ROD	Steel, Alloy	
7	2	HANDLE BALL	Steel AISI 1020 107 HR	
8	2	90681A101_18-8 Stainless Steel Taper Pin	Generic	STEP AP203
9	2	JAW PLATE	Steel, Alloy	
10	2	SET SCREW	Generic	
11	2	SLIDE KEY	Steel AISI 1020 107 HR	
12	4	92210A540_18-8 Stainless Steel Hex Drive Flat Head Screw	Generic	STEP AP203
13	4	ANSI/ASME B18.2.1 - 5/16-18 UNC - 0.75, HBI	Steel, Mild	Hex Bolt - UNC (Regular Thread - Inch)



MACHINE VISE
SCALE 1 / 2

LEGEND:

Ø DIAMETER
R RADIUS

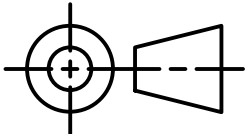


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X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

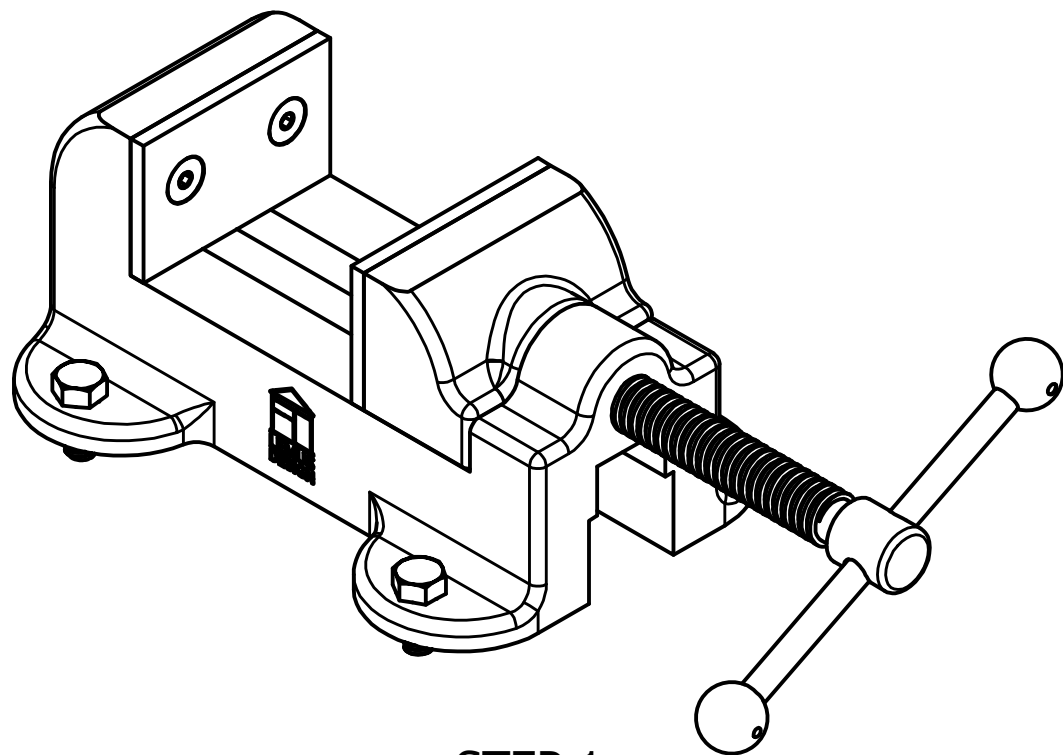
MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

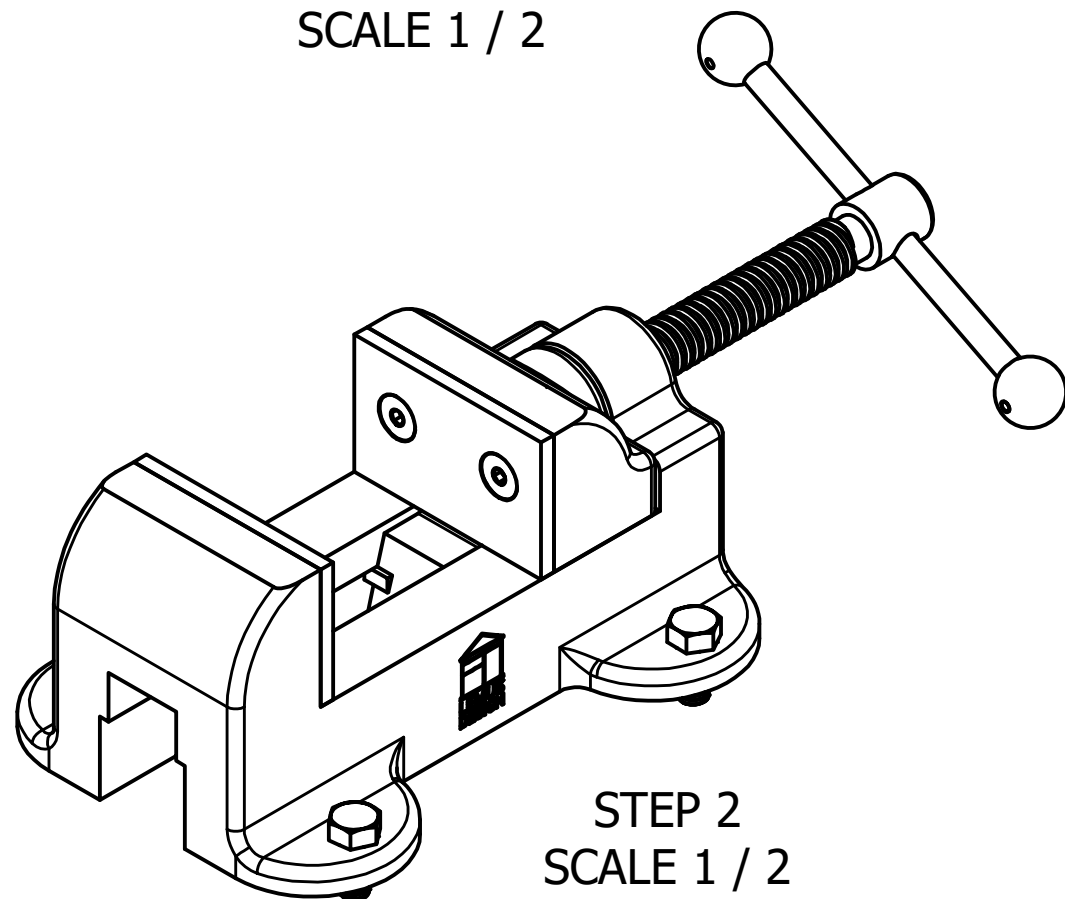
DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 1 OF 7

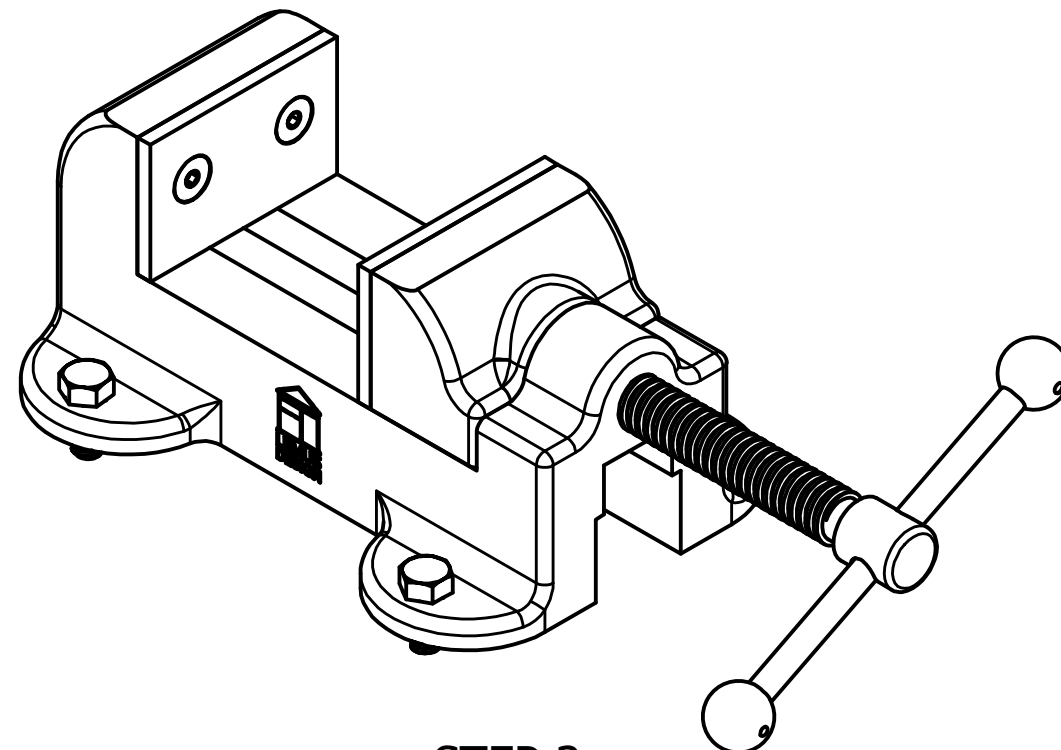


STEP 1
SCALE 1 / 2



STEP 2
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BASE	
2	1	COLLAR	
3	1	SLIDING JAW	
4	1	SPECIAL KEY	
5	1	WISE SCREW	
6	1	HANDLE ROD	
7	2	HANDLE BALL	
8	2	90681A101_18-8 Stainless Steel Taper Pin	STEP AP203
9	2	JAW PLATE	
10	2	SET SCREW	
11	2	SLIDE KEY	
12	4	92210A540_18-8 Stainless Steel Hex Drive Flat Head Screw	STEP AP203
13	4	ANSI/ASME B18.2.1 - 5/16-18 UNC - 0.75, HBI	Hex Bolt - UNC (Regular Thread - Inch)



STEP 3
SCALE 1 / 2

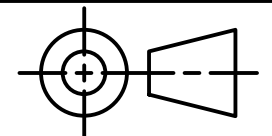
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SURFACES $\sqrt{32}$

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

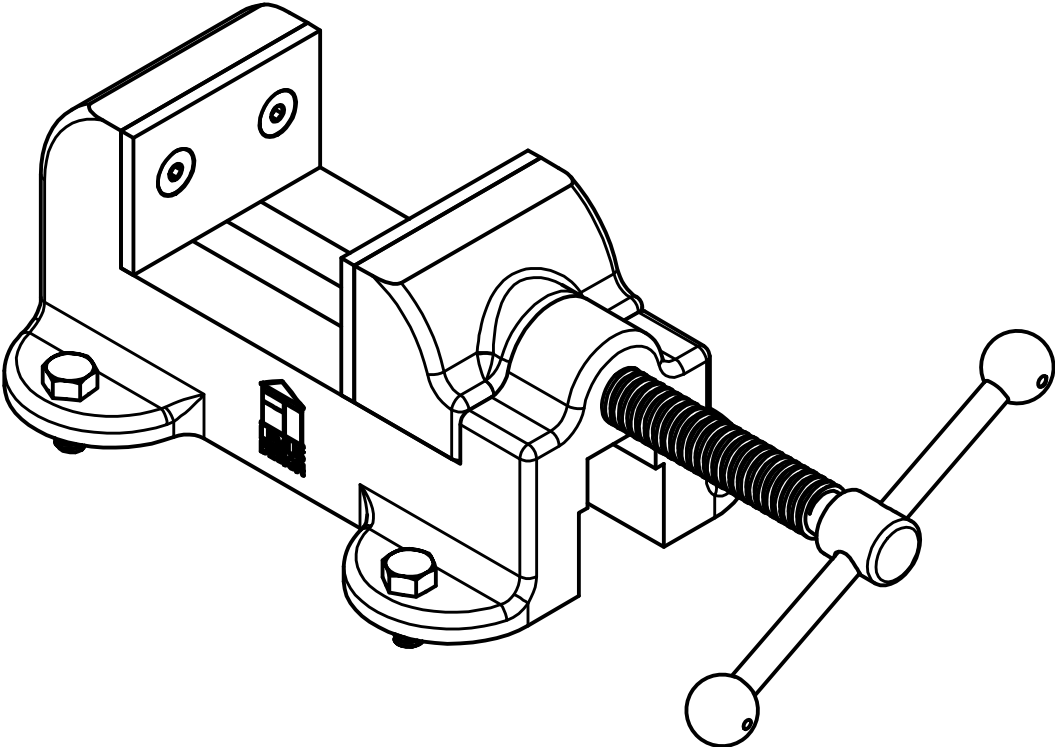
MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

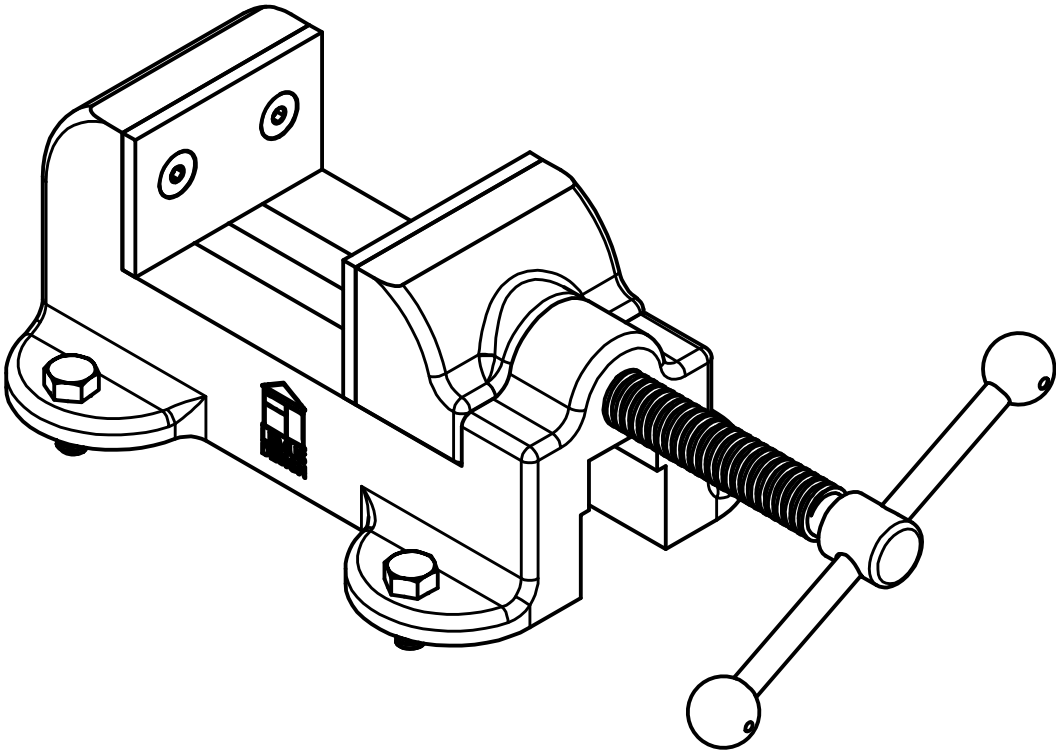
DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 2 OF 7



STEP 4
SCALE 1 / 2



STEP 5
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BASE	
2	1	COLLAR	
3	1	SLIDING JAW	
4	1	SPECIAL KEY	
5	1	WISE SCREW	
6	1	HANDLE ROD	
7	2	HANDLE BALL	
8	2	90681A101_18-8 Stainless Steel Taper Pin	STEP AP203
9	2	JAW PLATE	
10	2	SET SCREW	
11	2	SLIDE KEY	
12	4	92210A540_18-8 Stainless Steel Hex Drive Flat Head Screw	STEP AP203
13	4	ANSI/ASME B18.2.1 - 5/16-18 UNC - 0.75, HBI	Hex Bolt - UNC (Regular Thread - Inch)

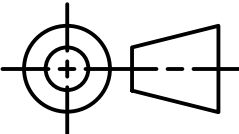


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SURFACES $\sqrt{32}$

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 3 OF 7

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE

LEGEND:

Ø DIAMETER
R RADIUS

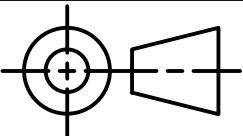


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SURFACES $\sqrt{32}$

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

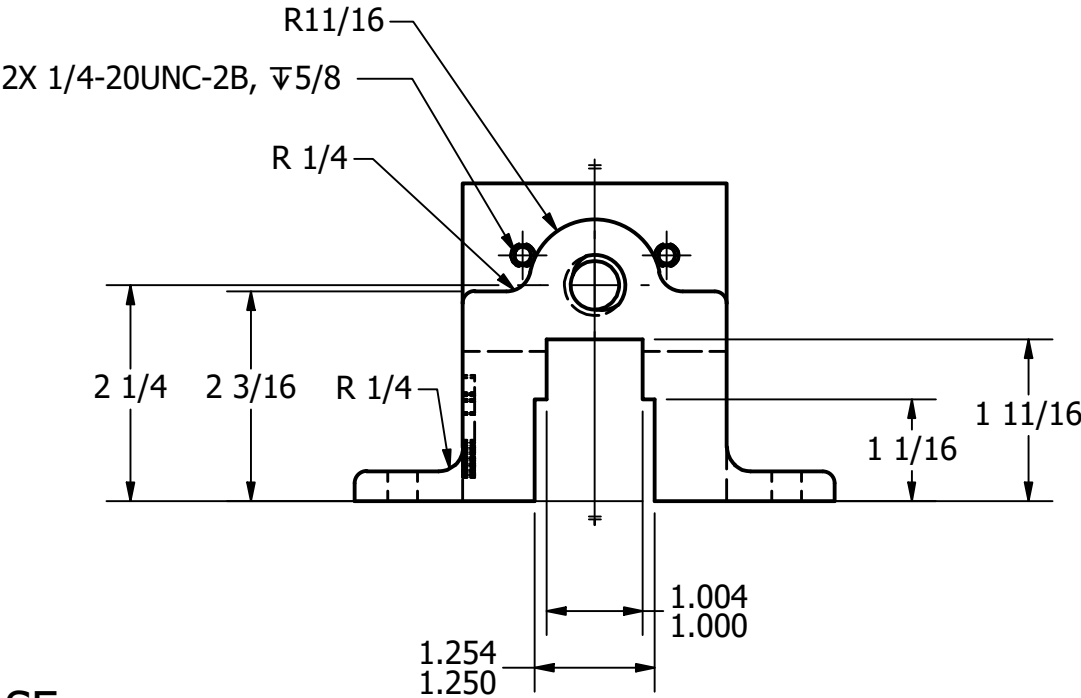
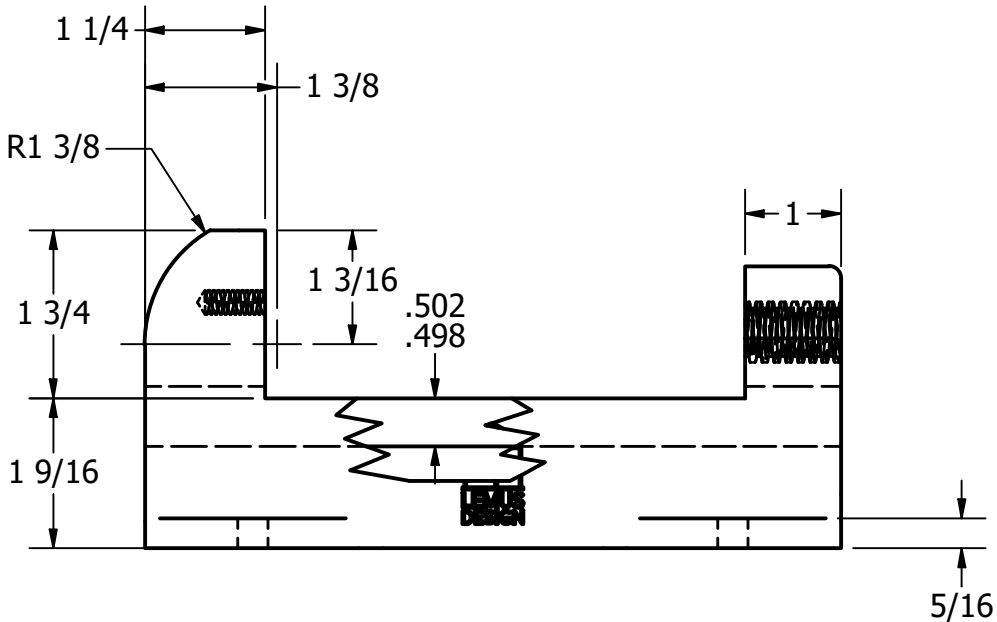
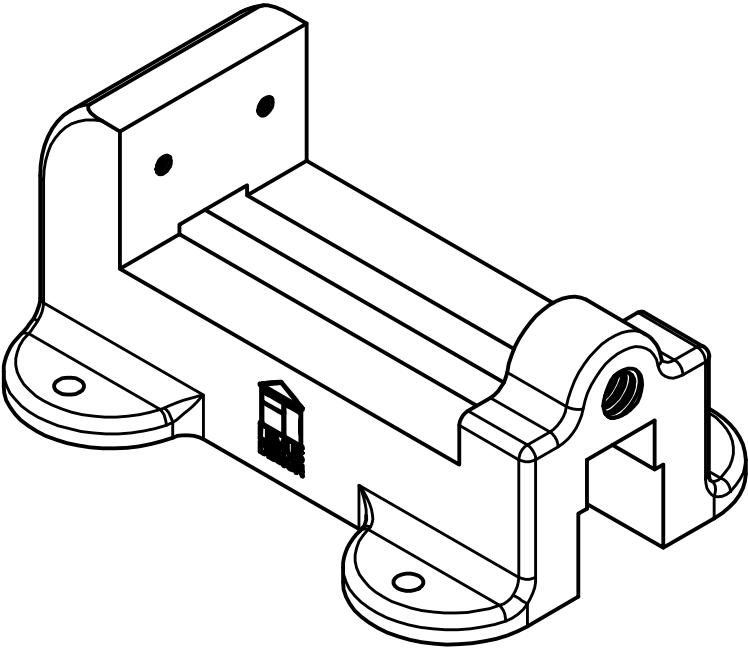
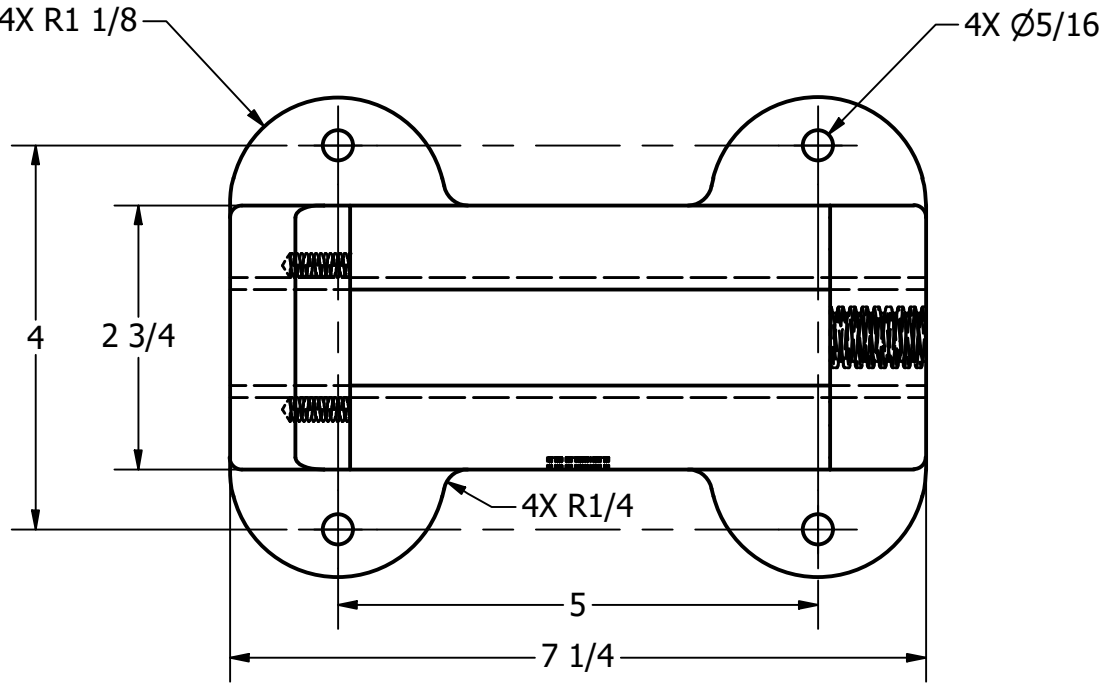
MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

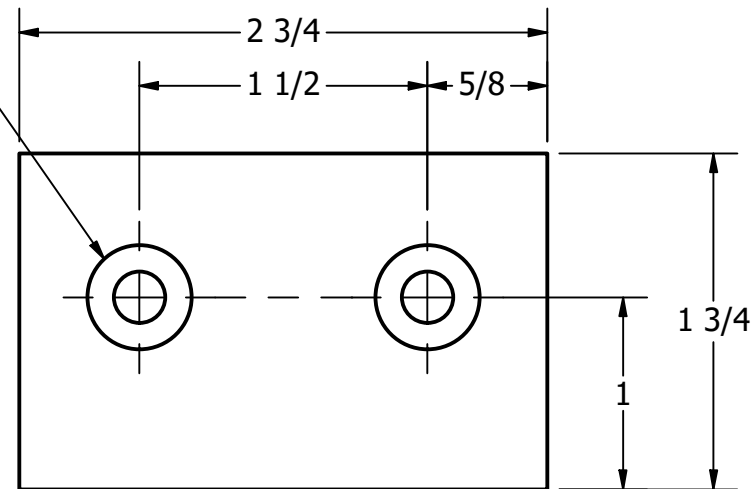
SCALE: AS NOTED

PAGE #: 4 OF 7

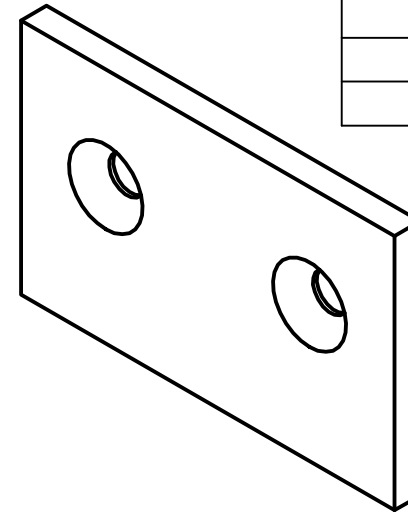
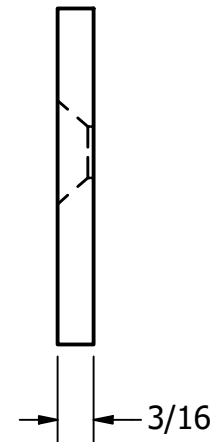


BASE
SCALE 1 / 2

DRILL AND CSK FOR
1/4 FL HD MACH SCR



JAW PLATE
SCALE 1 : 1

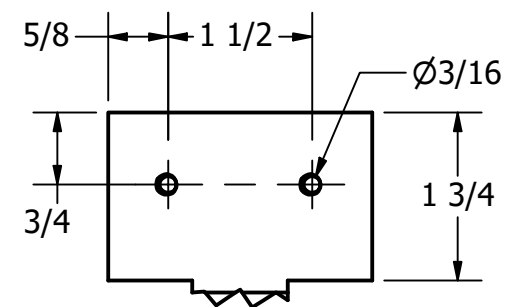
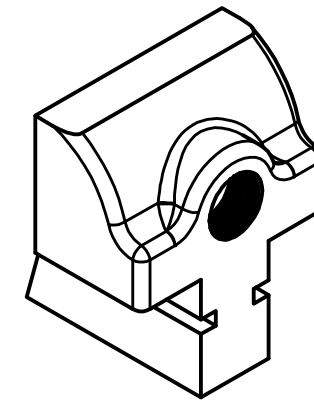


PARTS LIST

ITEM	QTY	PART NUMBER
3	1	SLIDING JAW
9	2	JAW PLATE

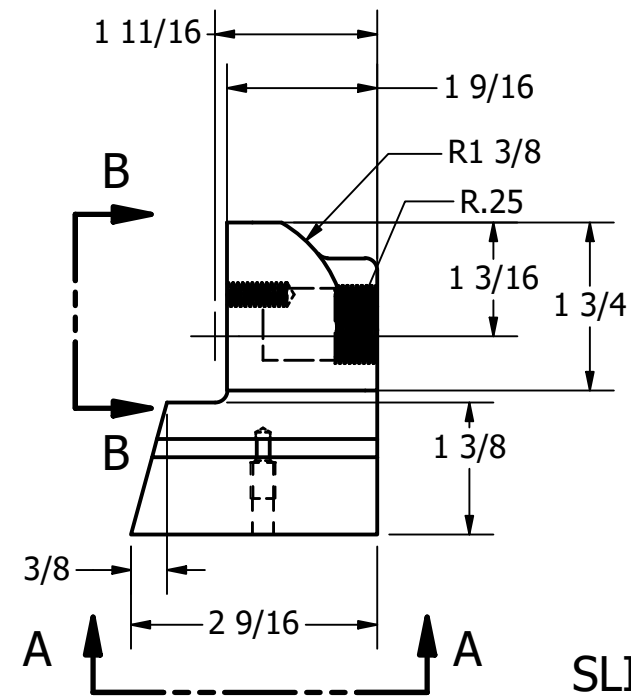
LEGEND:

Ø DIAMETER
R RADIUS

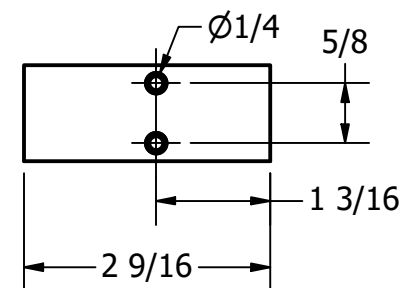
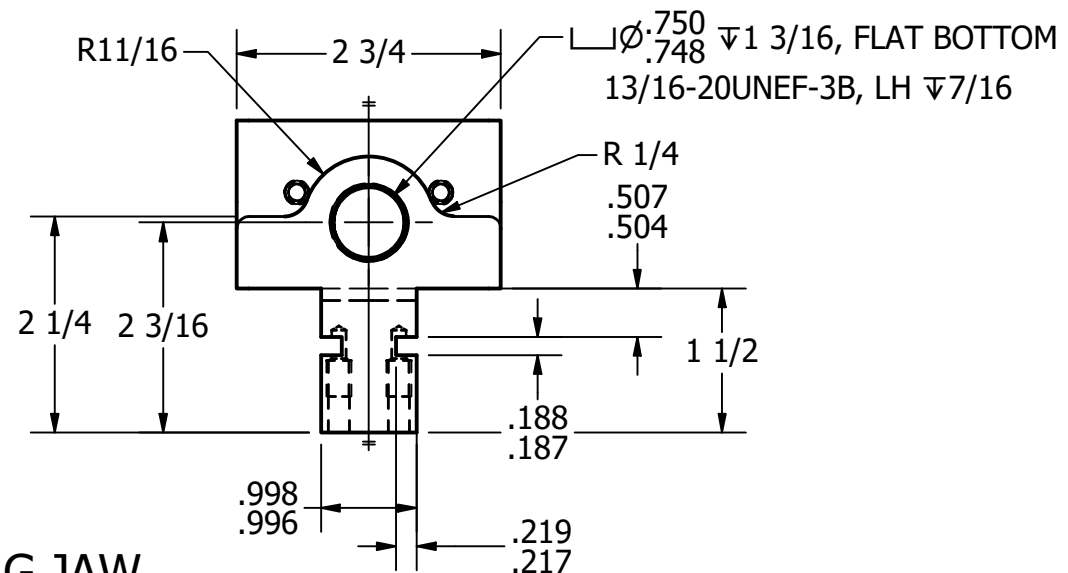


VIEW B-B

2X #25 DRILL (.1495), ∇ 1 1/16
#12 (.216)-24UNC-2B. ∇ 3/4
 $\sqcup$ Ø7/32, ∇ 3/8



SLIDING JAW
SCALE 1 / 2



VIEW A-A

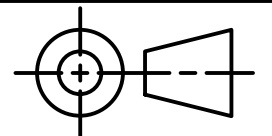
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XXX = ±.005
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ANGLES ±1 DEGREE
SURFACES $\sqrt{32}$

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

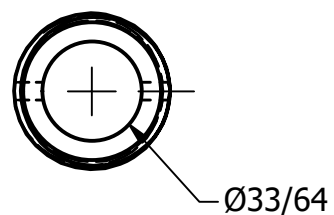
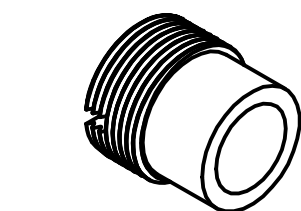
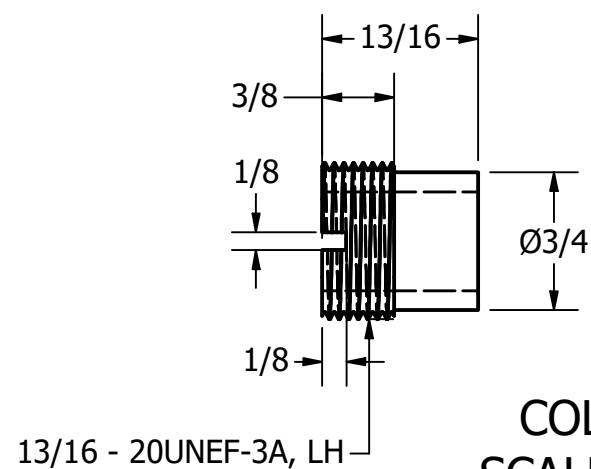
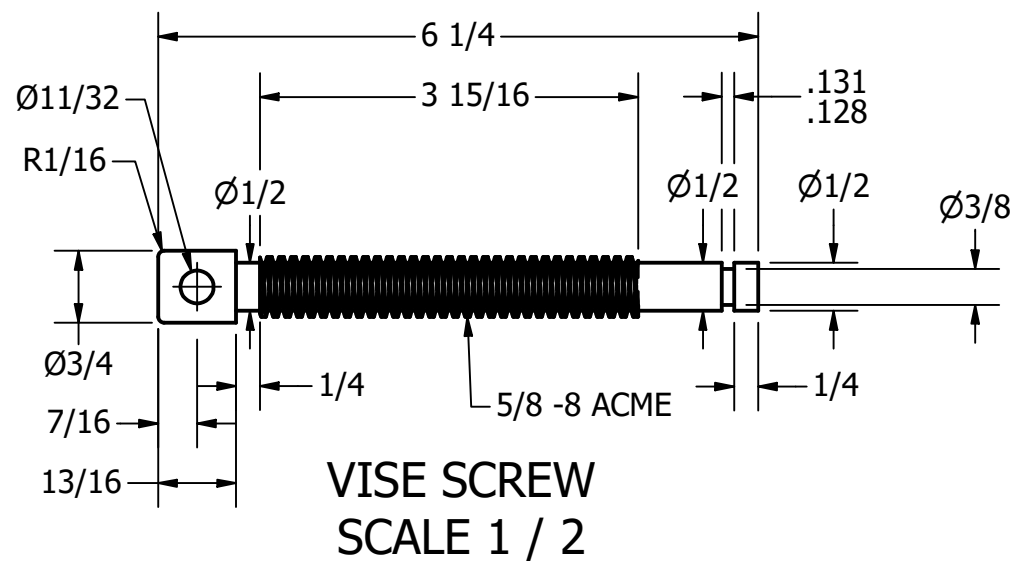
MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

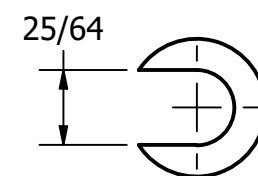
PAGE #: 5 OF 7



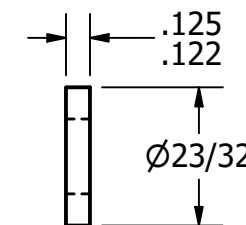
PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	COLLAR
4	1	SPECIAL KEY
5	1	VISE SCREW

LEGEND:

Ø DIAMETER
R RADIUS



SPECIAL KEY
SCALE 1 : 1



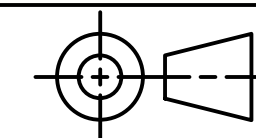
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ANGLES ±1 DEGREE
SURFACES 32 ✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 6 OF 7

PARTS LIST		
ITEM	QTY	PART NUMBER
6	1	HANDLE ROD
7	2	HANDLE BALL
10	2	SET SCREW
11	2	SLIDE KEY

LEGEND:

Ø DIAMETER
R RADIUS

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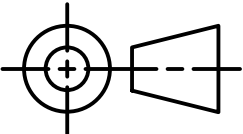
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FIG #: 14-71

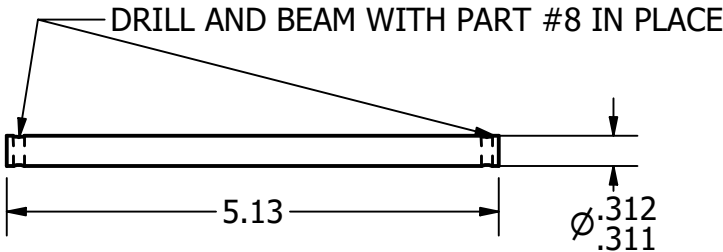
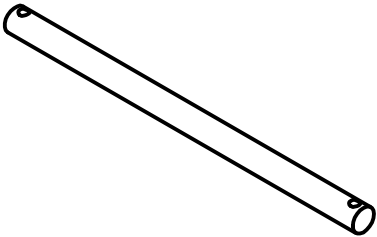
MANAGER: G. STROMMEN

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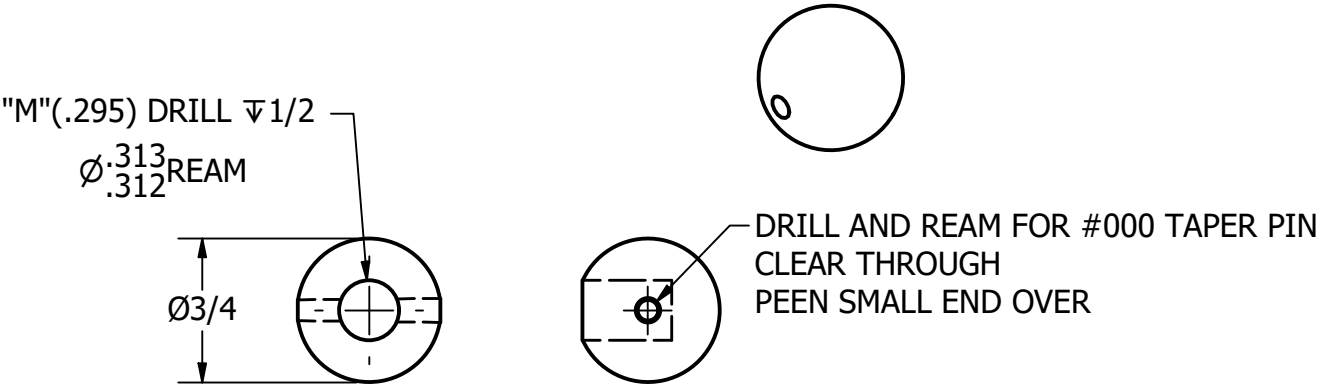
DATE: 10/3/2025

SCALE: AS NOTED

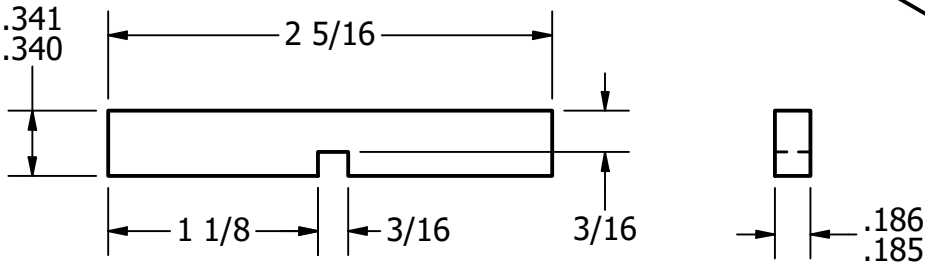
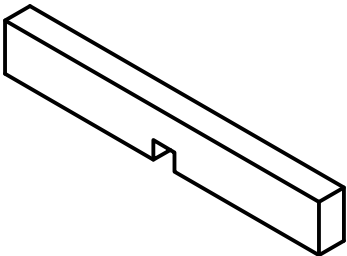
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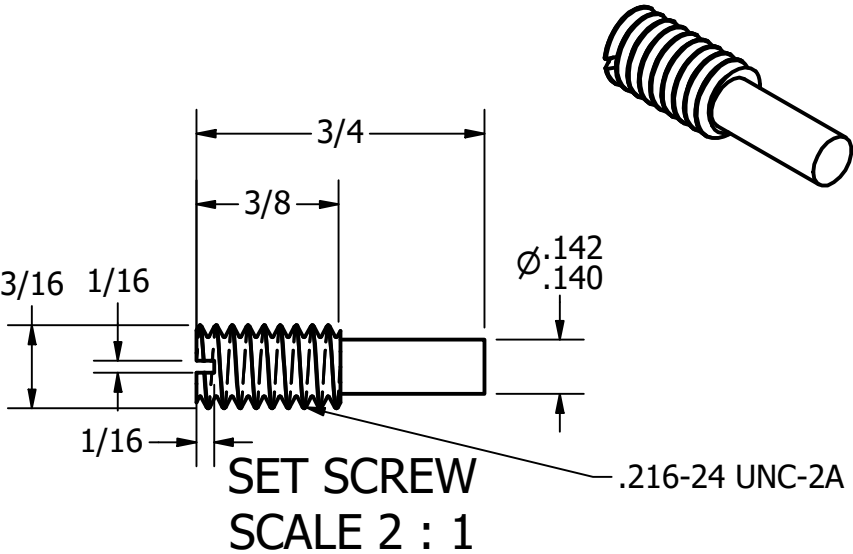
HANDLE ROD
SCALE 1 / 2



HANDLE BALL
SCALE 1 : 1



SLIDE KEY
SCALE 1 : 1



SET SCREW
SCALE 2 : 1