

MACHINE VISE
SCALE 1 : 1

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	CAST IRON	
2	1	SLIDING JAW	CAST IRON	
3	2	JAW PLATE	SAE 3140	
4	1	WISE SCREW	SAE 3140	
5	1	COLLAR	SAE 1020	
6	2	HANDLE BALL	SAE 1020	
7	1	HANDLE ROD	COLD ROLLED STEEL	
8	2	SET SCREW	SAE 1016	
9	2	SLIDE KEY	SAE 1020	
10	1	SPECIAL KEY	SAE 1020	
11	2	TAPER PIN	STANDARD	#000 TAPER
12	4	STEEL SLOTTED FLAT HEAD SCREW	STANDARD	1/4"20 UNC-2B, 5/8 DEEP

GENERAL NOTES:

ALL FILLETS AND ROUNDS R 1/8" UNLESS OTHERWISE STATED.

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- COUNTERBORE/
SPOTFACE
- ∨ COUNTERSINK
- ▽ DEPTH



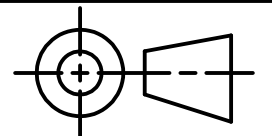
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LUIS RAMIREZ SOTO
GRAPHIC DESIGNER

707-302-4704

RAMIREZLUIS2020@OUTLOOK.COM



TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES
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: L. RAMIREZSOTO

DATE: 10/10/2024

SCALE: AS NOTED

PAGE #: 1 OF 9

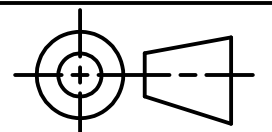
PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
1	1	BASE	CAST IRON
3	2	JAW PLATE	SAE 3140
12	4	STEEL SLOTTED FLAT HEAD SCREW	STANDARD



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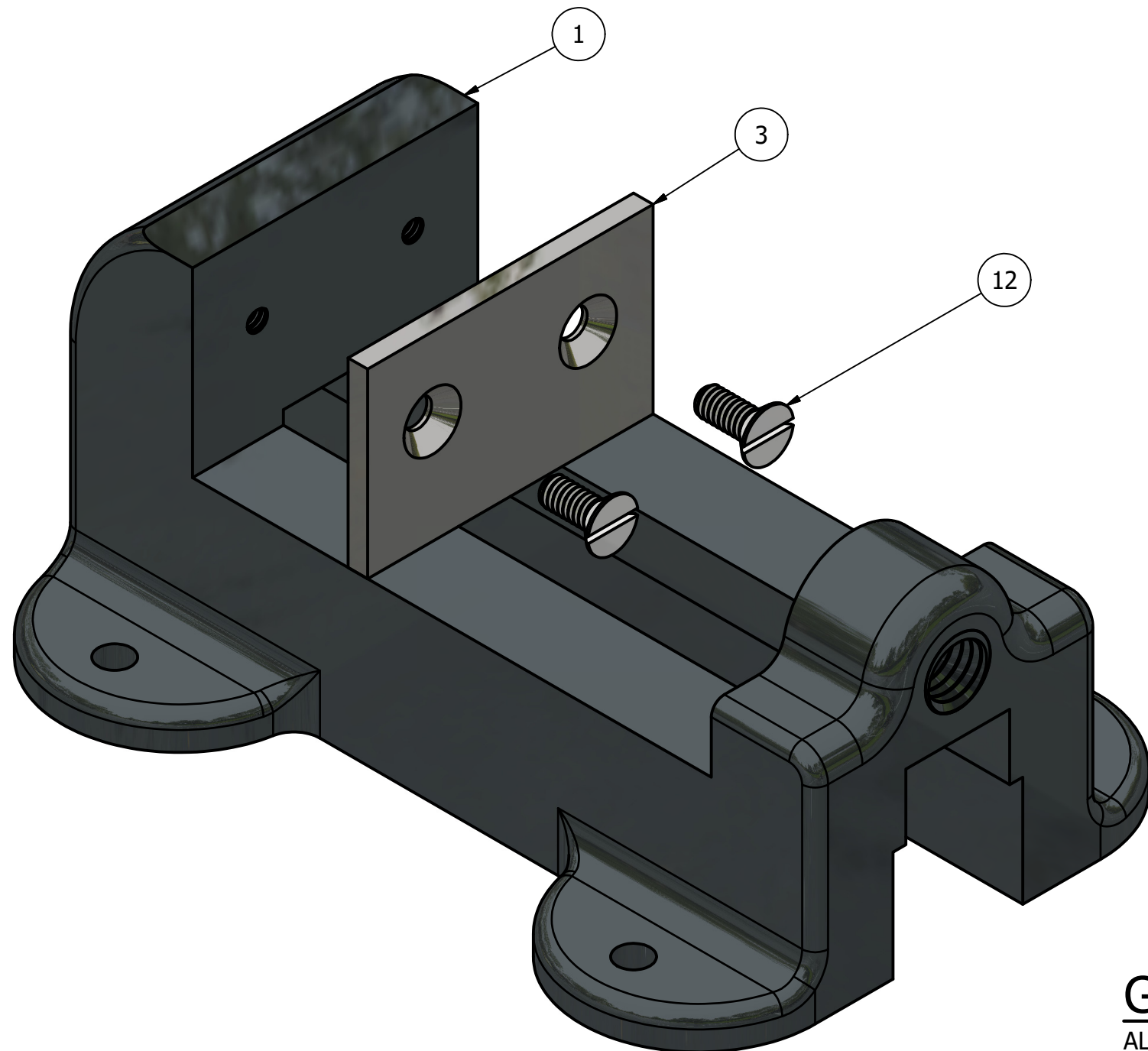
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PAGE #: 2 OF 9

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- COUNTERBORE/
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- ∇ DEPTH



STEP 1
SCALE 1 : 1

GENERAL NOTES:

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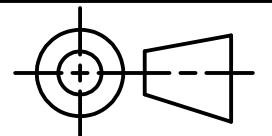
PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
2	1	SLIDING JAW	CAST IRON
3	2	JAW PLATE	SAE 3140
12	4	STEEL SLOTTED FLAT HEAD SCREW	STANDARD



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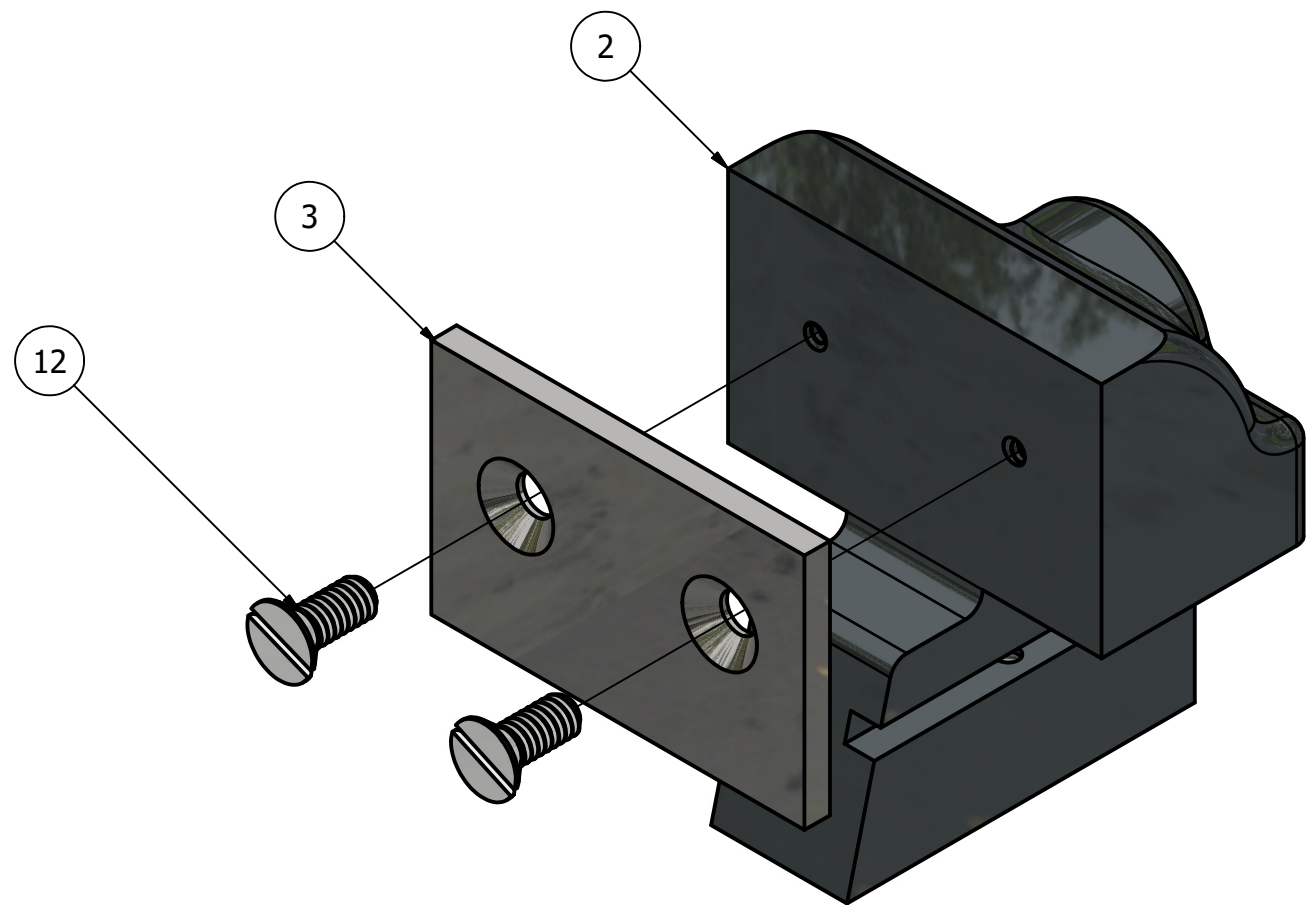
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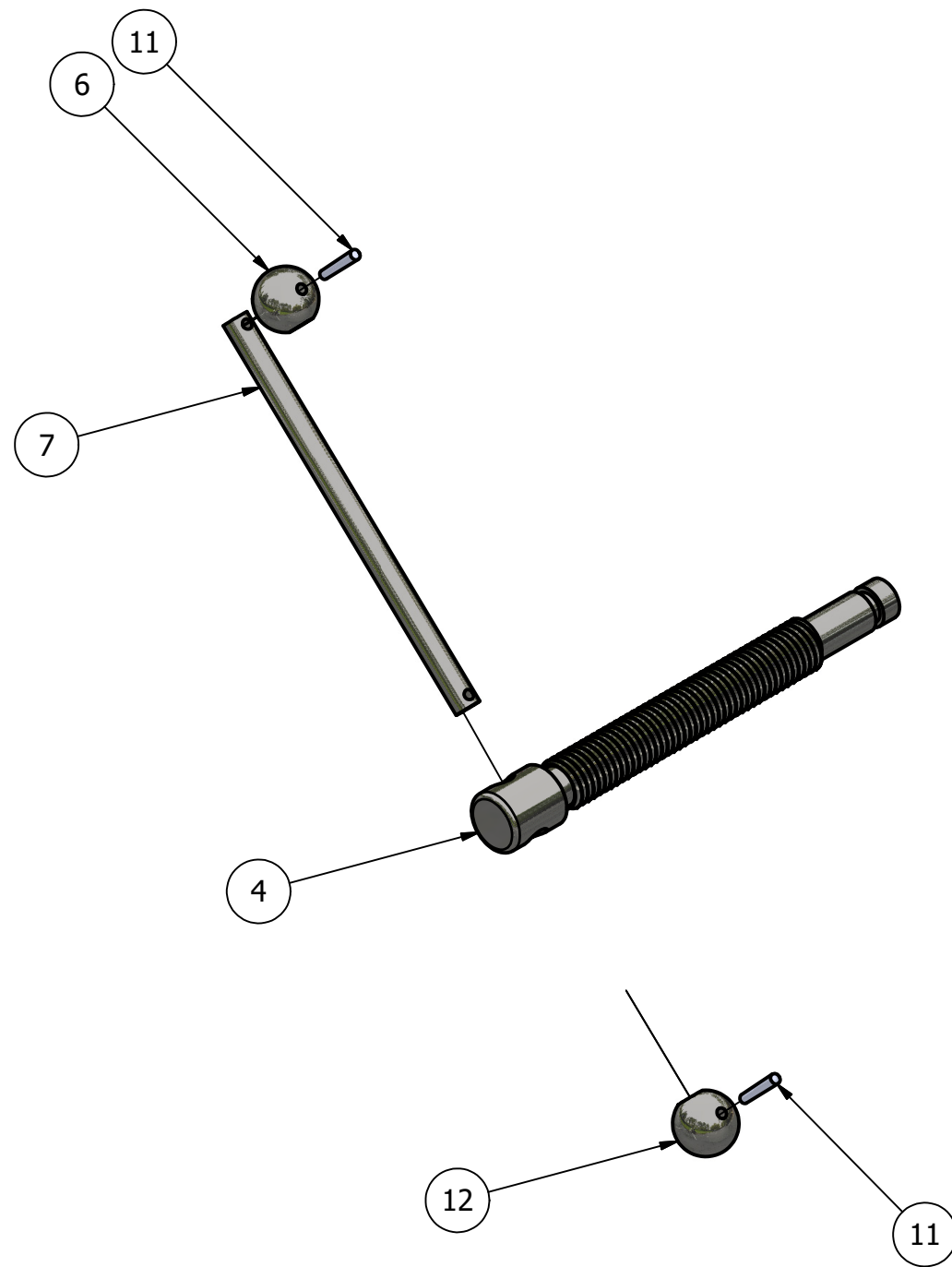
STEP 2
SCALE 1 : 1

LEGEND:

- ∅ DIAMETER
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- COUNTERBORE/
SPOTFACE
- ∨ COUNTERSINK
- ∇ DEPTH

GENERAL NOTES:

ALL FILLETS AND ROUNDS R 1/8" UNLESS OTHERWISE STATED.



STEP 3
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
4	1	WISE SCREW	SAE 3140
6	2	HANDLE BALL	SAE 1020
7	1	HANDLE ROD	COLD ROLLED STEEL
10	1	SPECIAL KEY	SAE 1020
11	2	TAPER PIN	STANDARD

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
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GENERAL NOTES:

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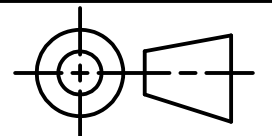
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FIG #: 14-71

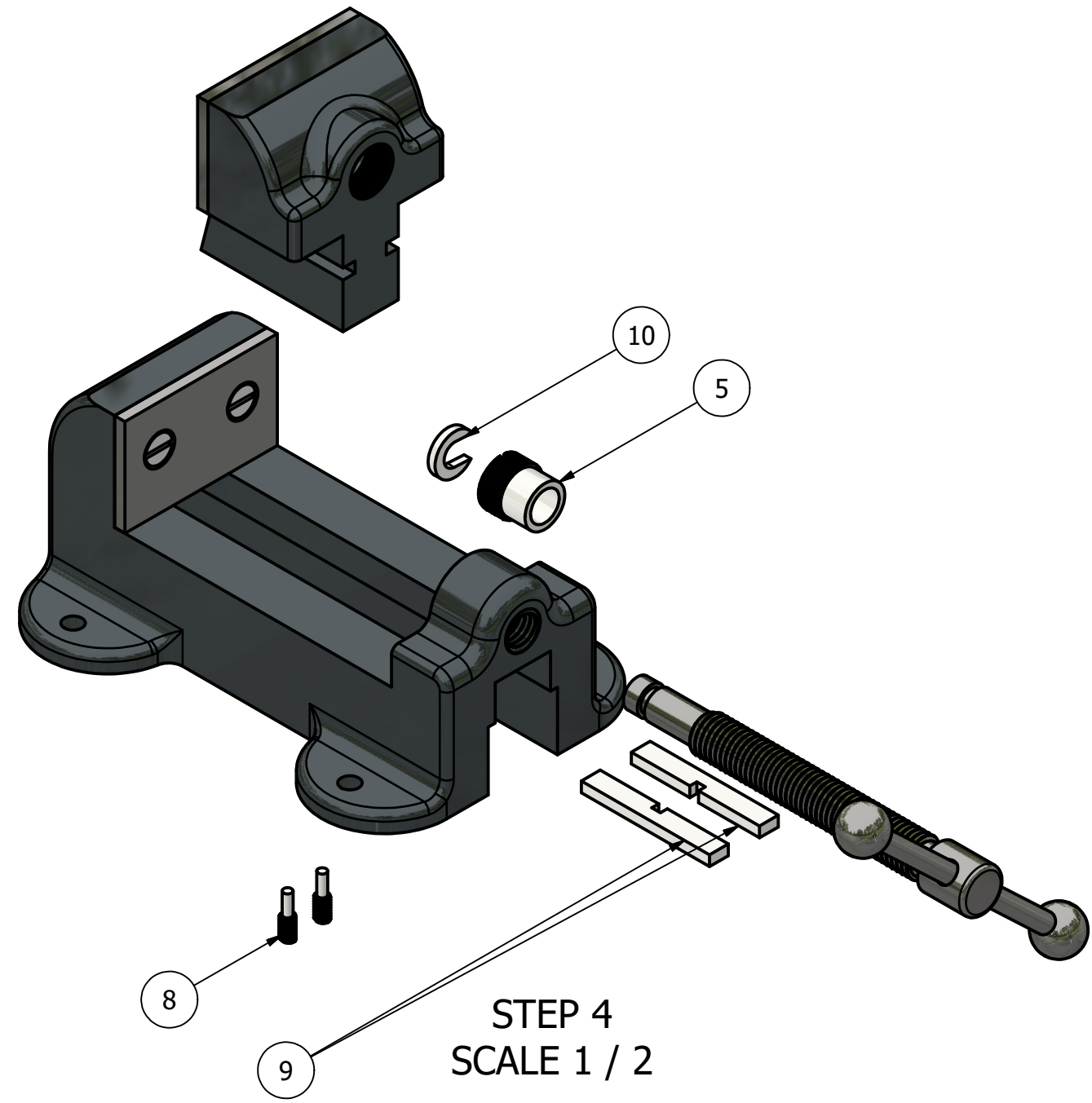
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DATE: 10/10/2024

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PAGE #: 4 OF 9



PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
5	1	COLLAR	SAE 1020
8	2	SET SCREW	SAE 1016
9	2	SLIDE KEY	SAE 1020
10	1	SPECIAL KEY	SAE 1020

LEGEND:

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GENERAL NOTES:

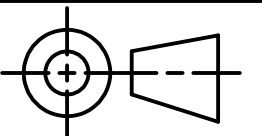
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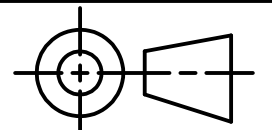
PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
1	1	BASE	CAST IRON



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FIG #: 14-71

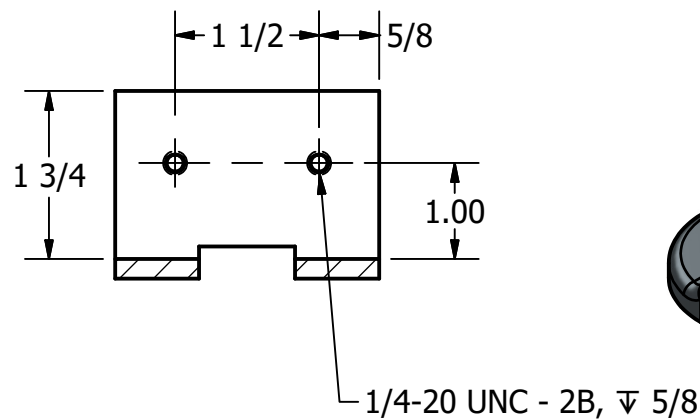
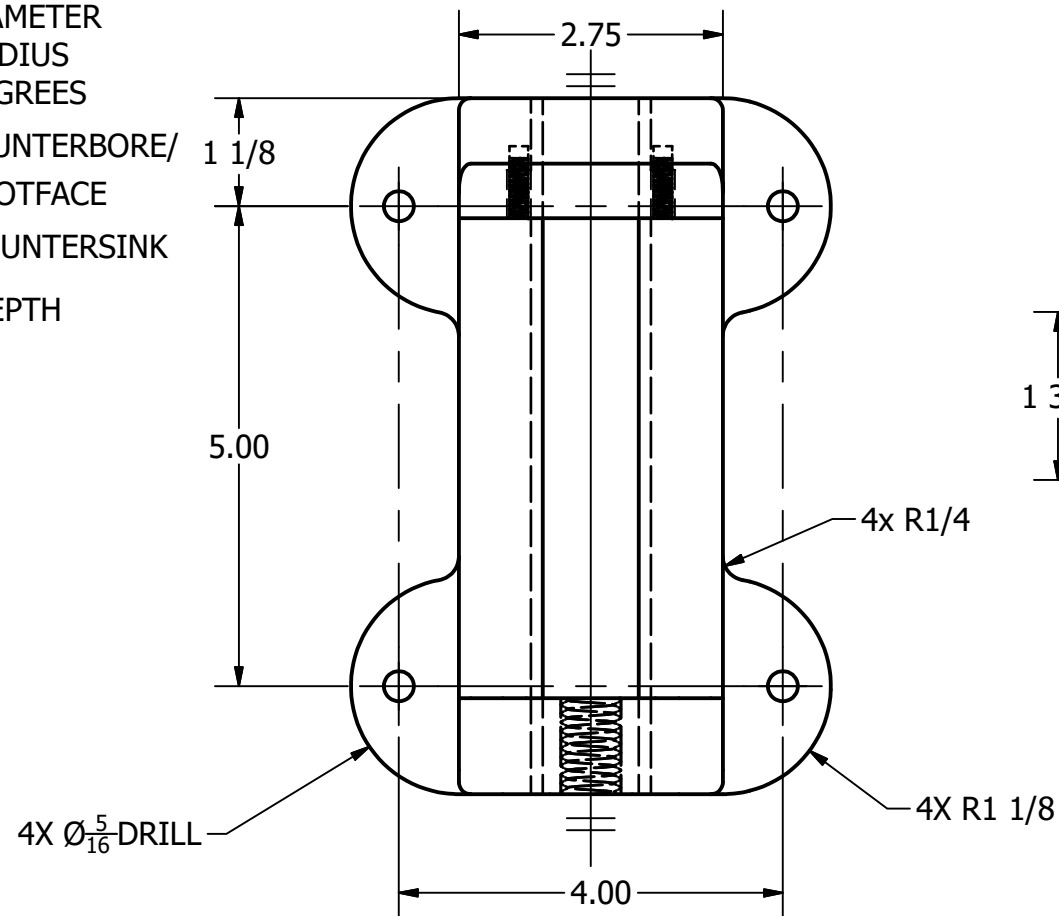
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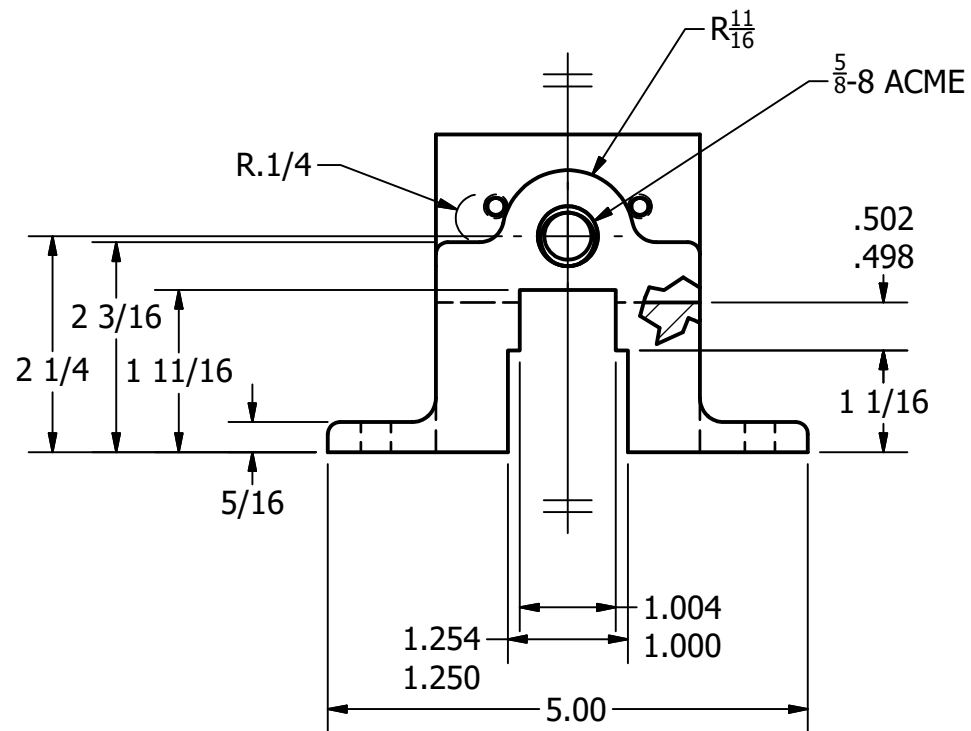
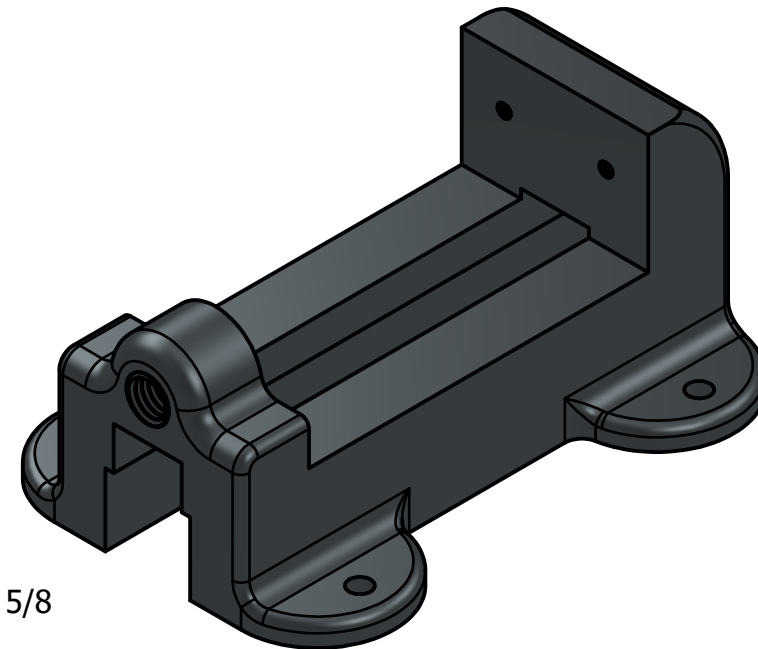
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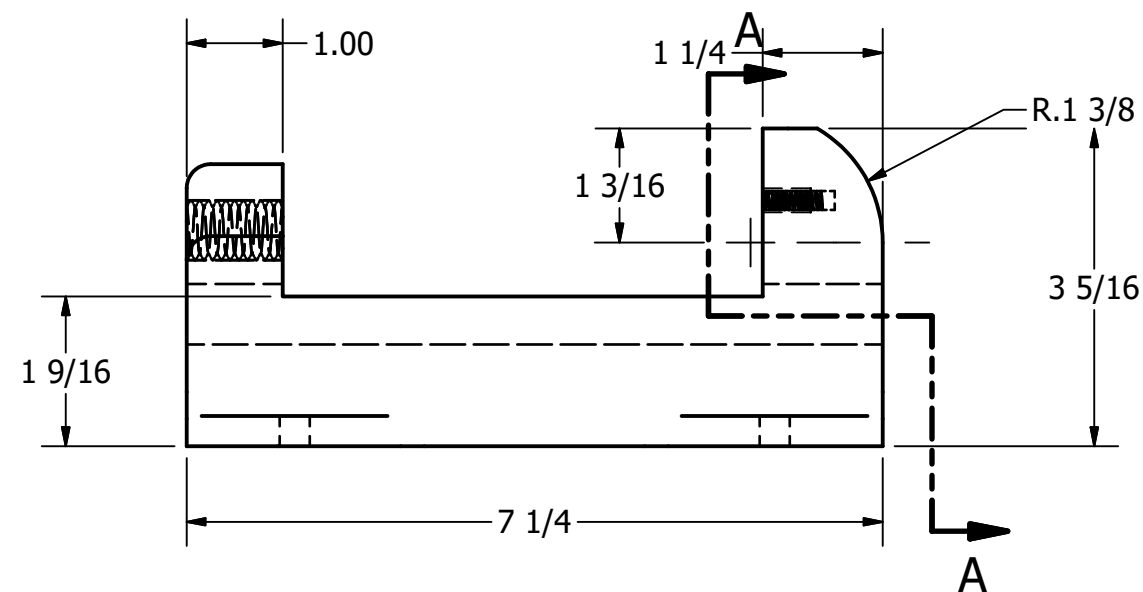
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SECTION A-A
SCALE 1 / 2



BASE
SCALE 1 / 2



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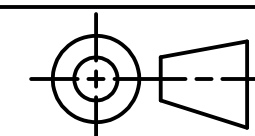
PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
2	1	SLIDING JAW	CAST IRON



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FIG #: 14-71

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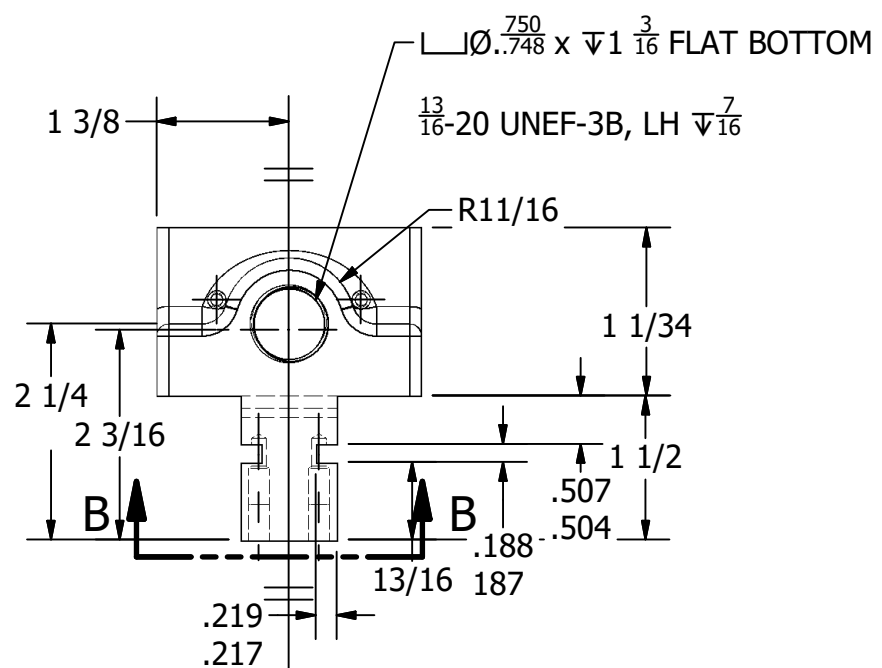
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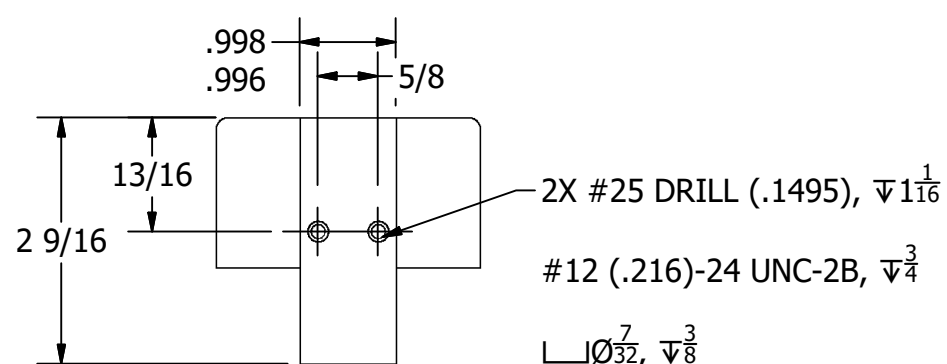
PAGE #: 7 OF 9

LEGEND:

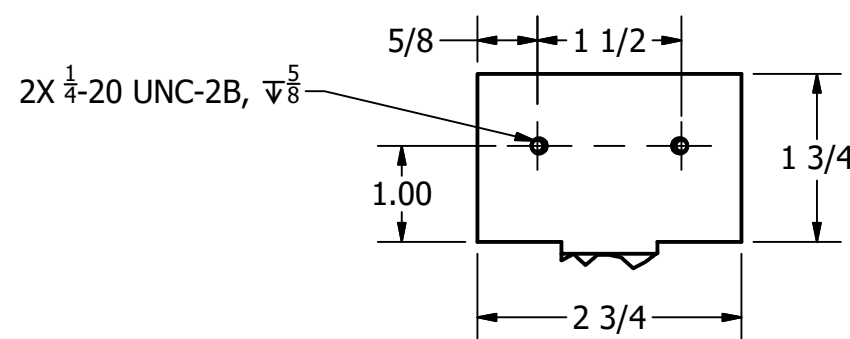
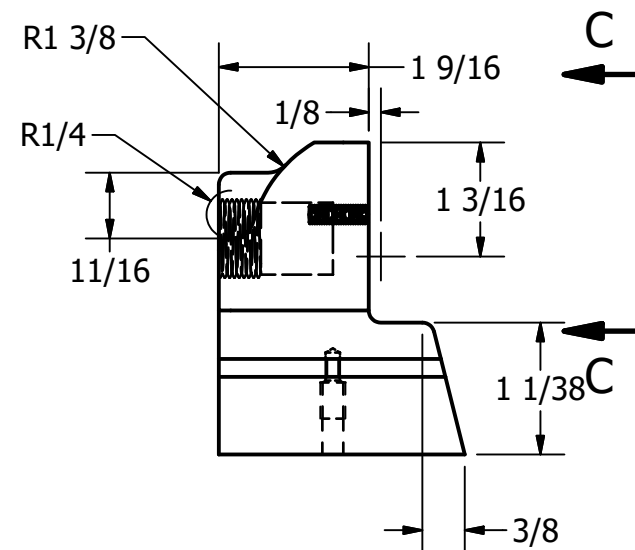
- ∅ DIAMETER
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- ° DEGREES
- ┌ COUNTERBORE/
SPOTFACE
- ∨ COUNTERSINK
- ∇ DEPTH



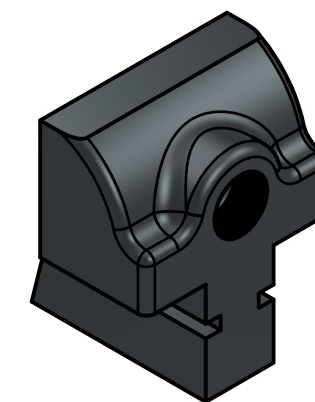
SLIDING JAW
SCALE 1 / 2



VIEW B-B
SCALE 1 / 2



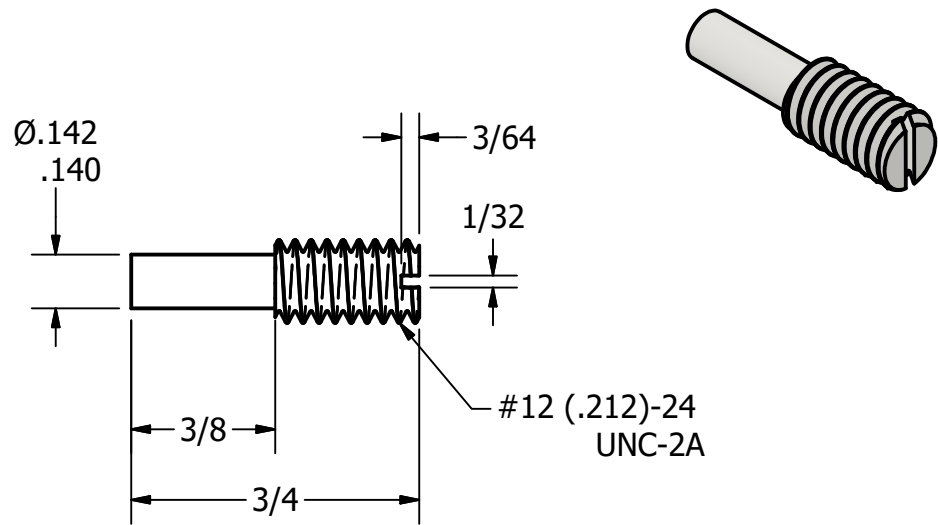
VIEW C-C
SCALE 1 / 2



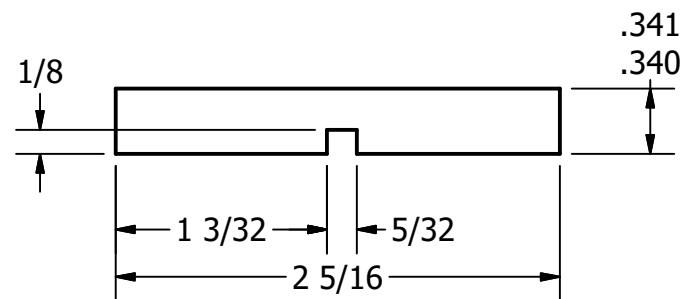
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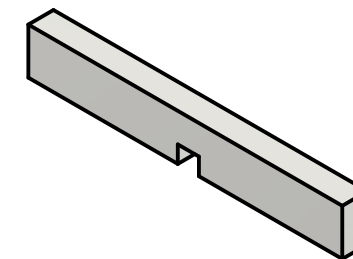
PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
4	1	WISE SCREW	SAE 3140
8	2	SET SCREW	SAE 1016
9	2	SLIDE KEY	SAE 1020



SET SCREW
SCALE 2 : 1

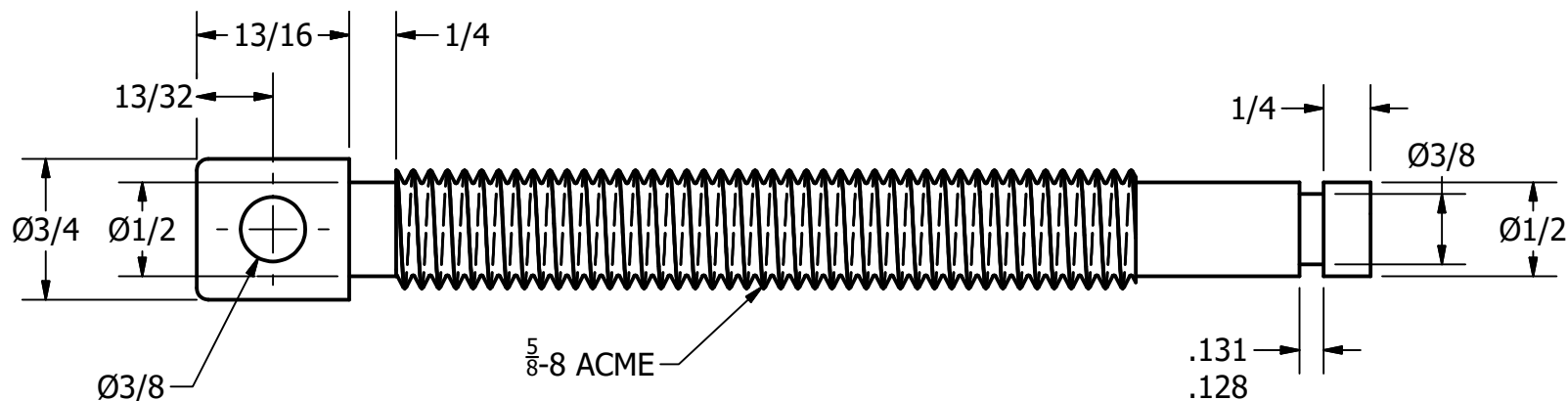


SLIDE KEY
SCALE 1 : 1

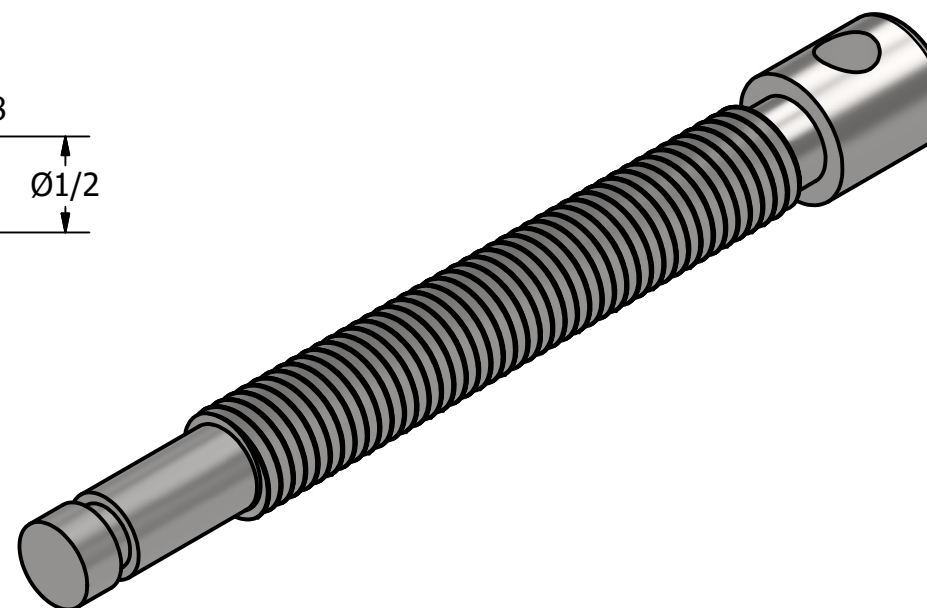


LEGEND:

- Ø DIAMETER
- R RADIUS
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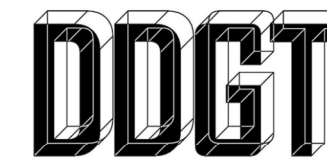


VIEW SCREW
SCALE 1 : 1



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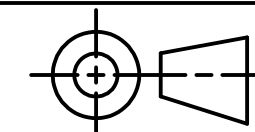
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MACHINE VISE

FIG #: 14-71

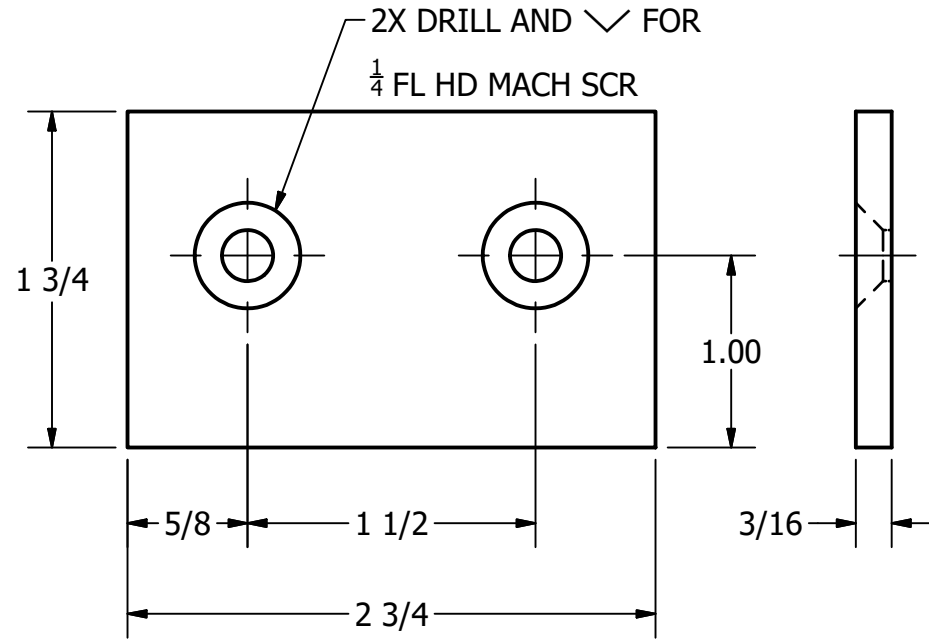
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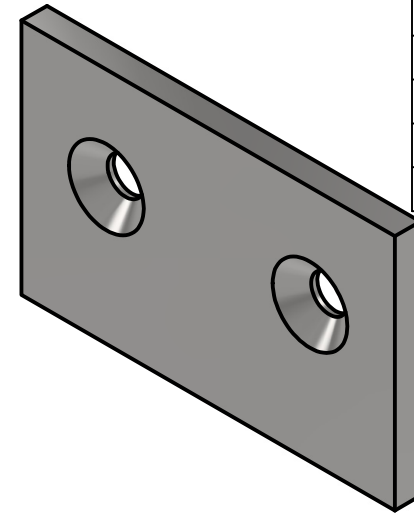
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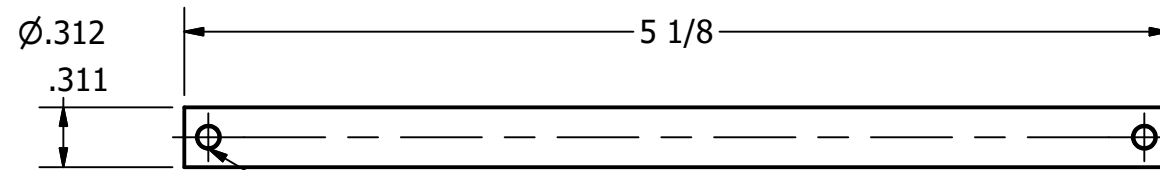
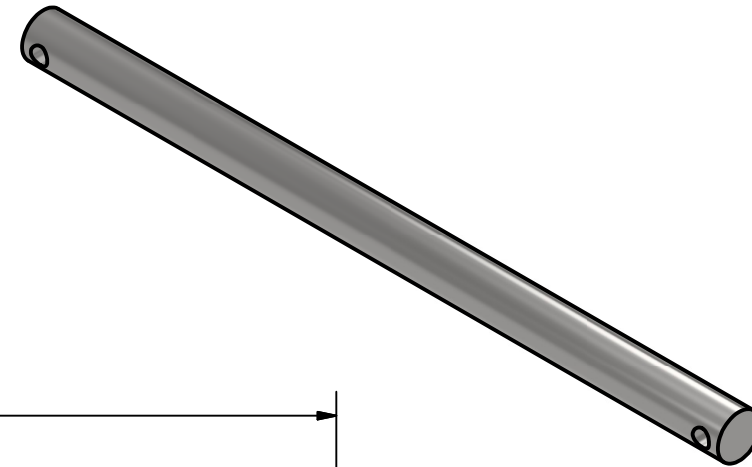
PAGE #: 8 OF 9



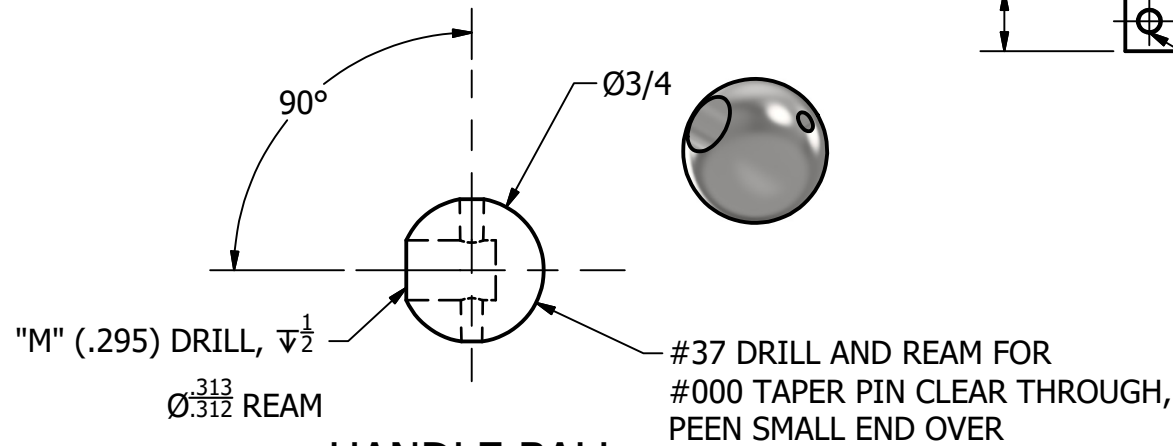
JAW PLATE
SCALE 1 : 1



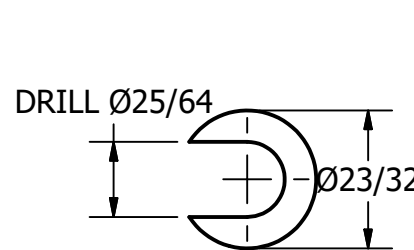
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6	2	HANDLE BALL	SAE 1020
7	1	HANDLE ROD	COLD ROLLED STEEL
10	1	SPECIAL KEY	SAE 1020



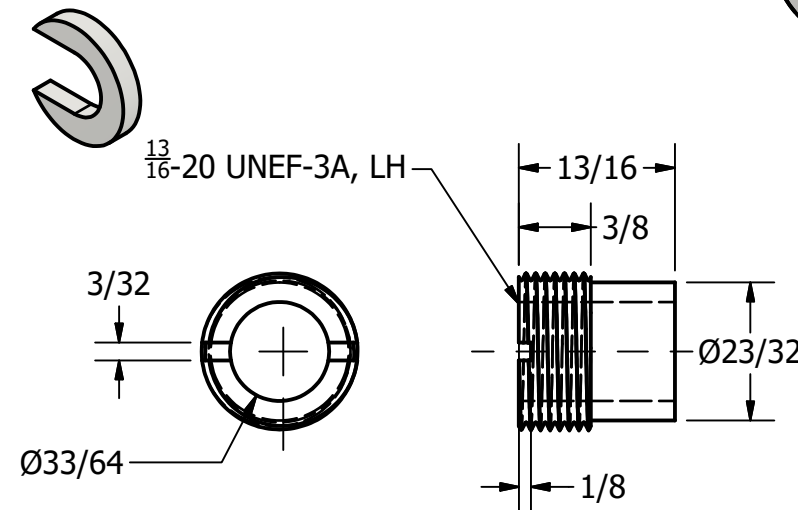
HANDLE ROD
SCALE 1 : 1



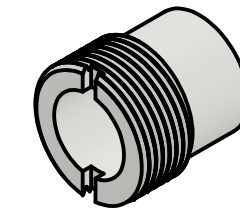
HANDLE BALL
SCALE 1 : 1



SPECIAL KEY
SCALE 1 : 1



COLLAR
SCALE 1 : 1



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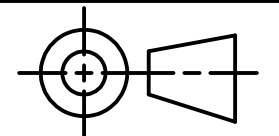
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