

MASTER ASSEMBLY
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	1	SPECIAL KEY	SAE 1020	
7	1	HANDLE ROD	COLD-ROLLED STEEL	
8	2	HANDLE BALL	SAE 1020	
9	2	SLIDE KEY	SAE 1020	
10	2	SET SCREW	SAE 1016	
11	2	1/4" FLATHEAD MACHINE SCREW	TYPICAL	1/4-2UNC-2A, 5/8" LONG
12	2	TAPER PIN	TYPICAL	#000

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- COUNTERBORE
- ∇ DEPTH
- ∨ COUNTERSINK

GENERAL NOTES:

ALL FILLETS AND ROUNDS R.125 UNLESS OTHERWISE NOTED

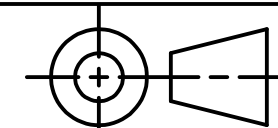


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TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

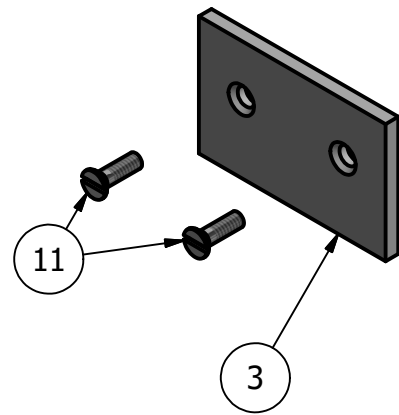
FIG #: 14-71

DRAFTER: P. LAKE

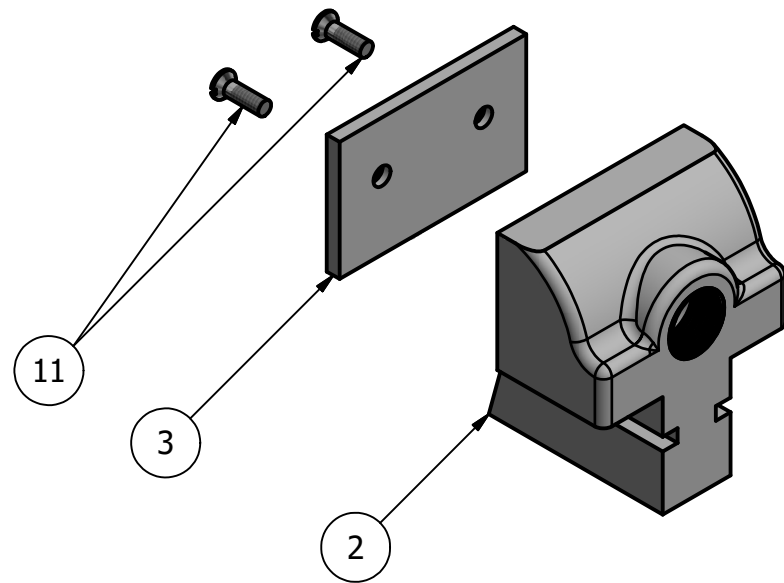
DATE: 9/27/2018

SCALE: AS NOTED

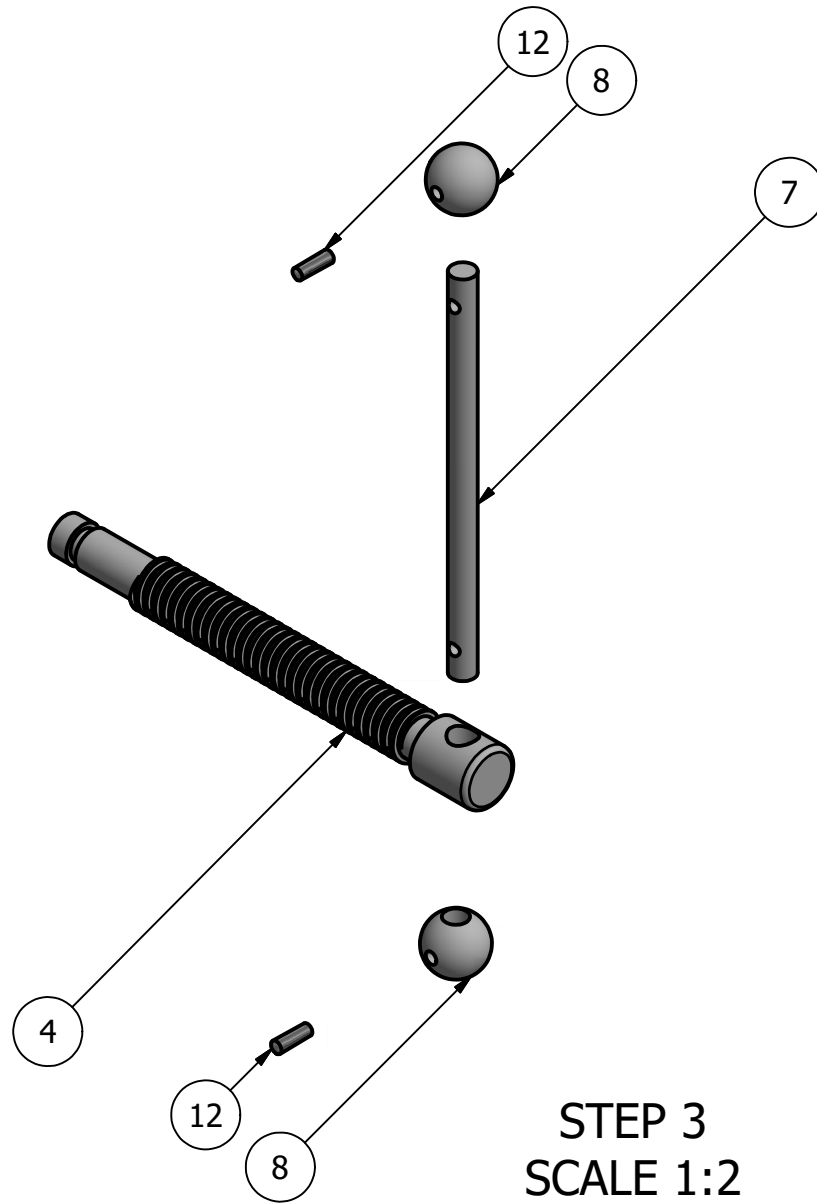
PAGE #: 1 OF 6



STEP 1
SCALE 1:2



STEP 2
SCALE 1:2



STEP 3
SCALE 1:2

PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	SLIDING JAW
3	2	JAW PLATE
4	1	WISE SCREW
7	1	HANDLE ROD
8	2	HANDLE BALL
11	2	1/4" FLATHEAD MACHINE SCREW
12	2	TAPER PIN

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- ⊓ COUNTERBORE
- ∇ DEPTH
- ∨ COUNTERSINK

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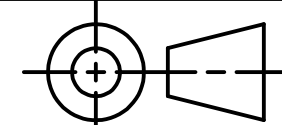


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COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

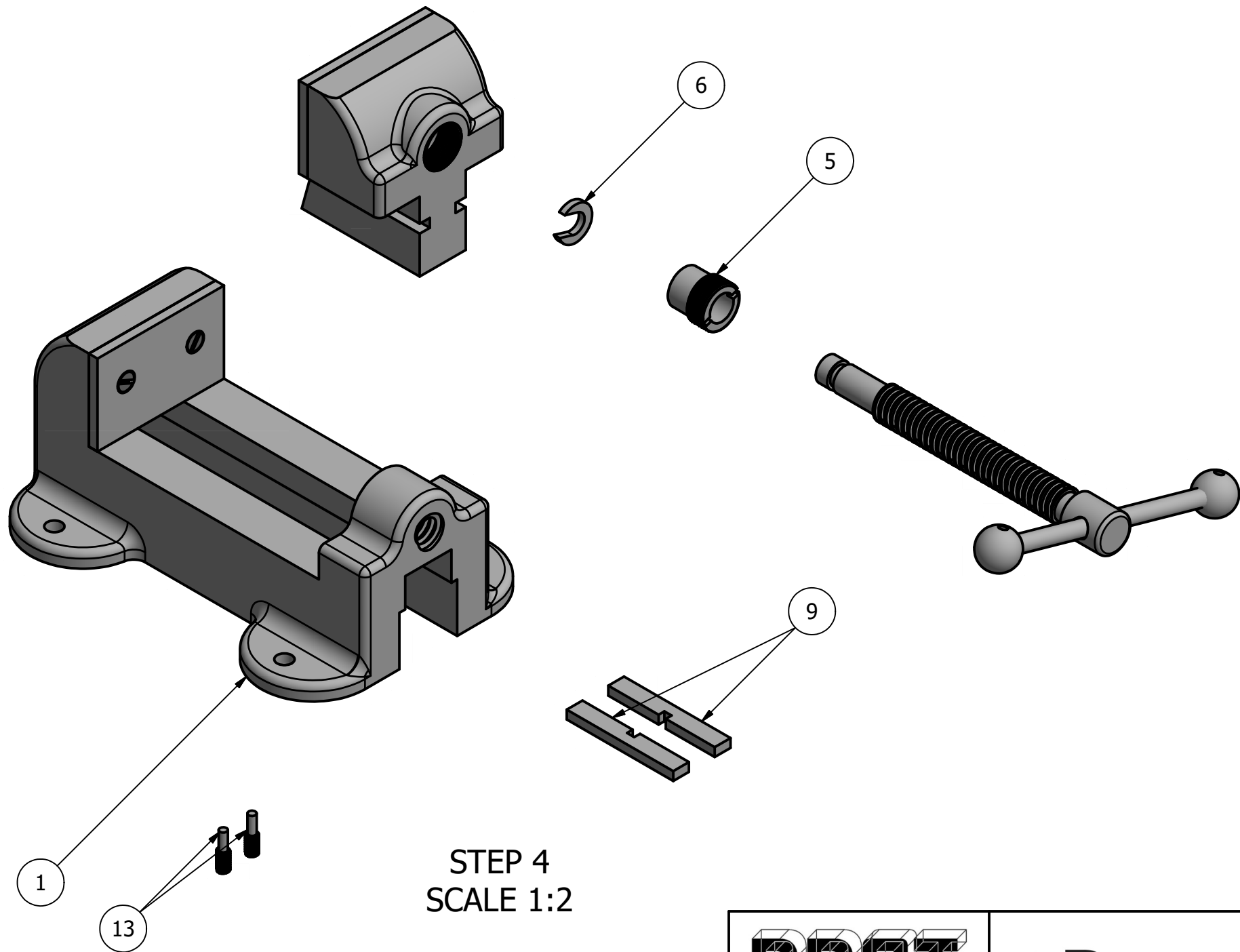
DRAFTER: P. LAKE

DATE: 9/27/2018

SCALE: AS NOTED

PAGE #: 2 OF 6

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
5	1	COLLAR
6	1	SPECIAL KEY
9	2	SLIDE KEY
13	2	14-71 SET SCREW



STEP 4
SCALE 1:2

LEGEND:

∅	DIAMETER
R	RADIUS
°	DEGREES
□	COUNTERBORE
∇	DEPTH
∨	COUNTERSINK

GENERAL NOTES:

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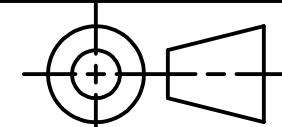


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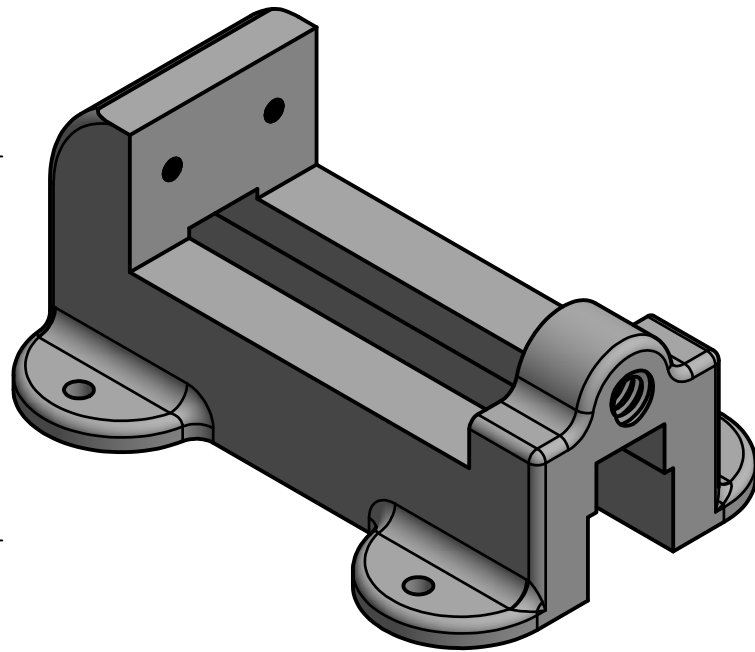
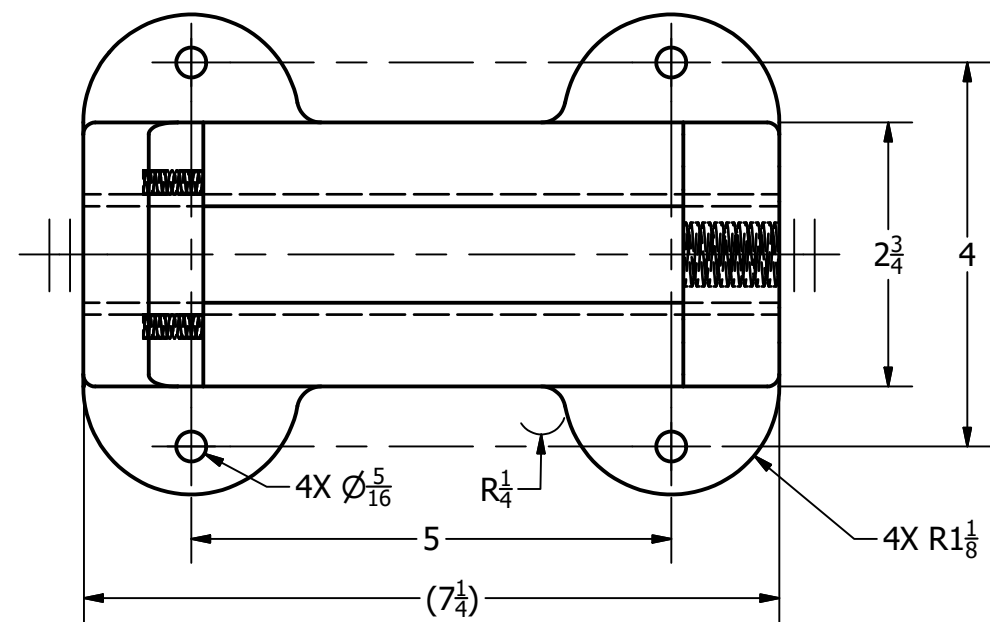


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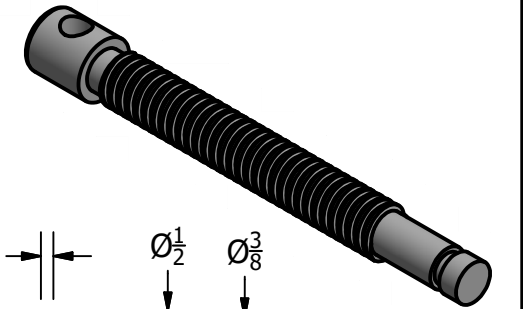
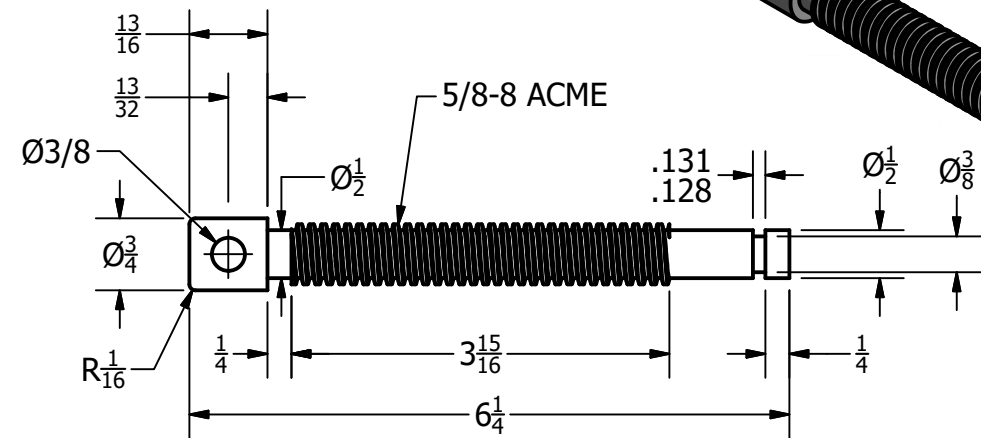


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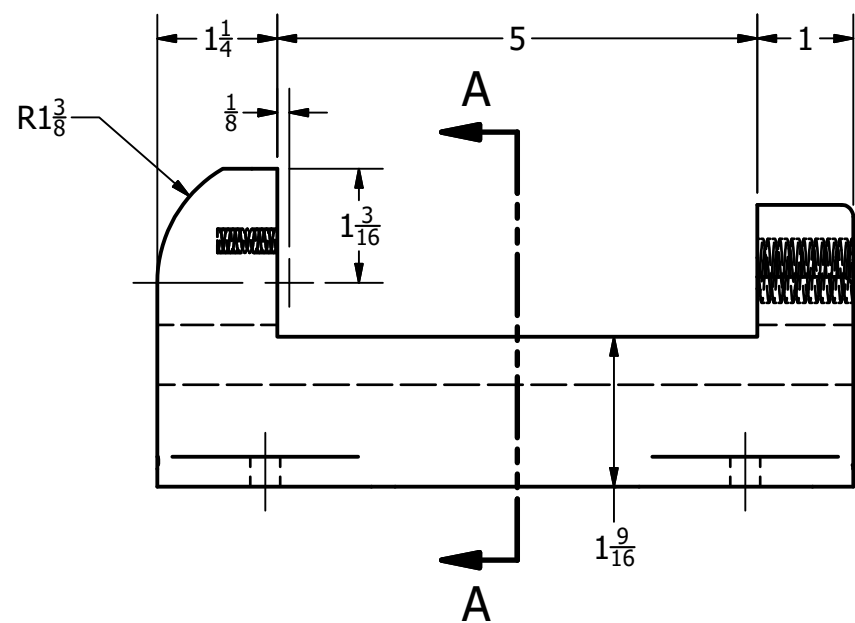
COURSE:	DDGT 240
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
DRAFTER:	P. LAKE
DATE:	9/27/2018
SCALE:	AS NOTED
PAGE #:	3 OF 6



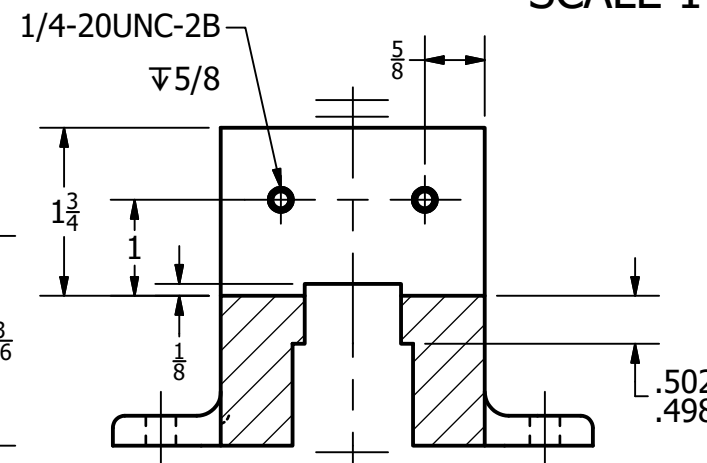
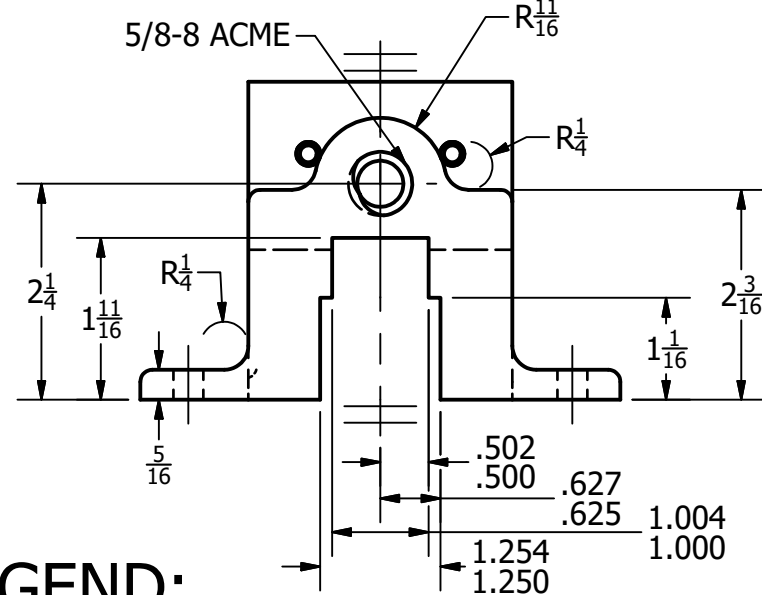
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
4	1	WISE SCREW
10	2	SET SCREW



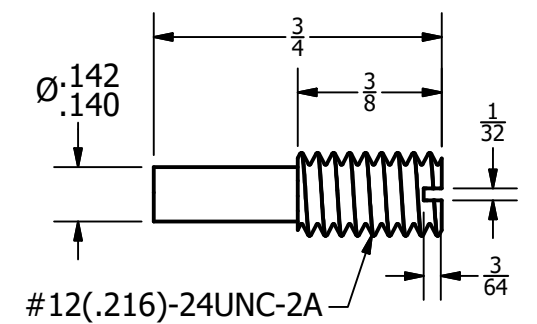
VISE SCREW
SCALE 1:2



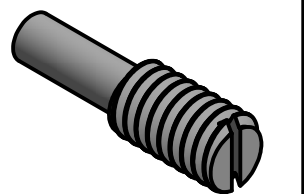
BASE
SCALE 1:2



SECTION A-A
SCALE 1:2



SET SCREW
SCALE 2:1



LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- COUNTERBORE
- ∇ DEPTH
- ✓ COUNTERSINK

GENERAL NOTES:

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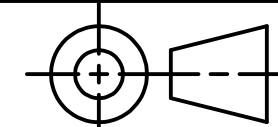


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COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

DRAFTER: P. LAKE

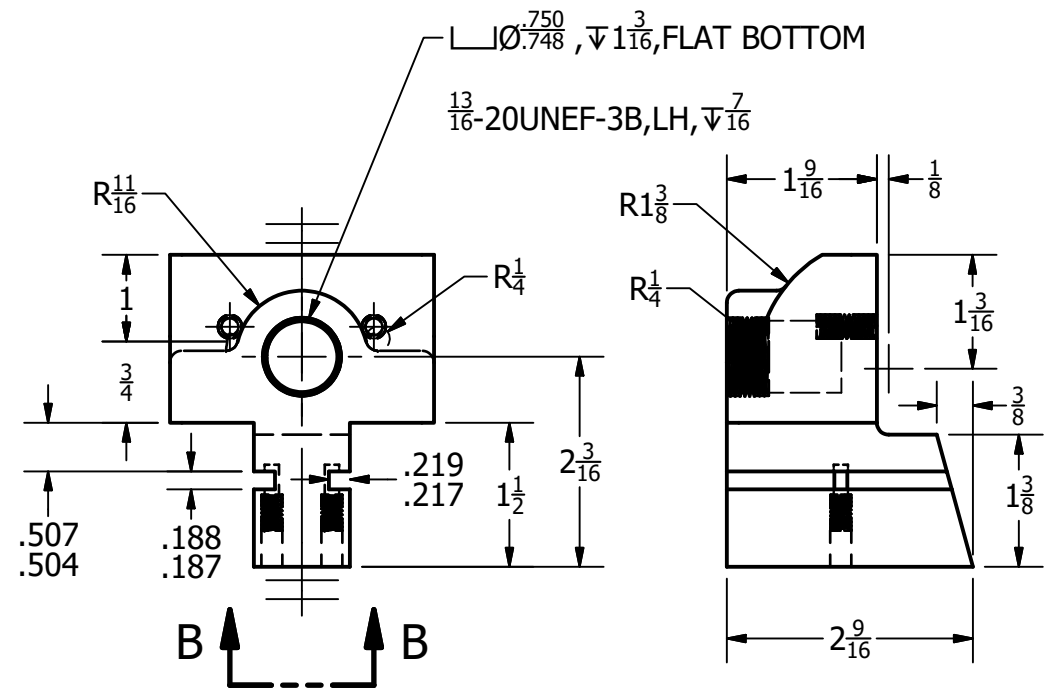
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SCALE: AS NOTED

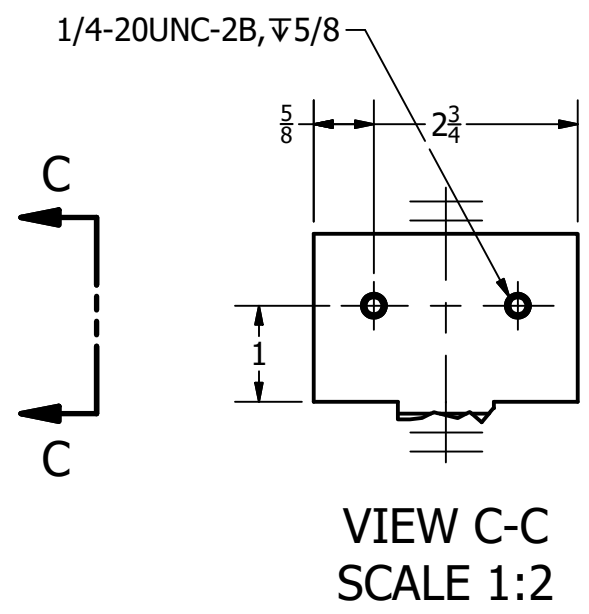
PAGE #: 4 OF 6

PARTS LIST

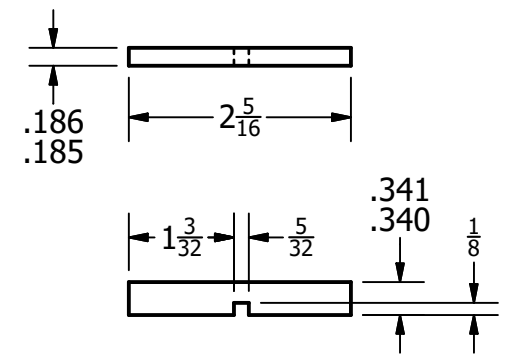
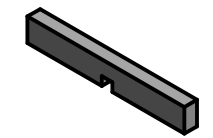
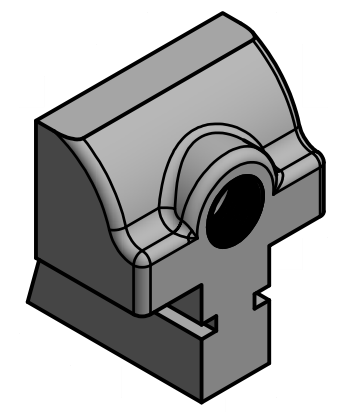
ITEM	QTY	PART NUMBER
2	1	SLIDING JAW
9	2	SLIDE KEY



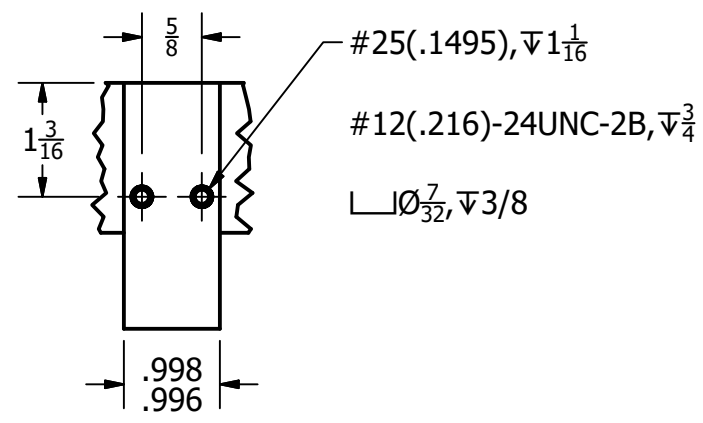
SLIDING JAW
SCALE 1:2



VIEW C-C
SCALE 1:2



SLIDE KEY
SCALE 1:2



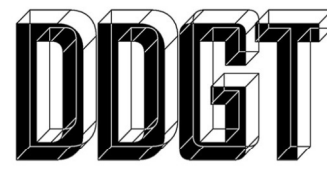
VIEW B-B
SCALE 1:2

LEGEND:

- \varnothing DIAMETER
- R RADIUS
- $^\circ$ DEGREES
- \square COUNTERBORE
- $\sqrt{\quad}$ DEPTH
- \sphericalangle COUNTERSINK

GENERAL NOTES:

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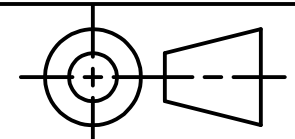


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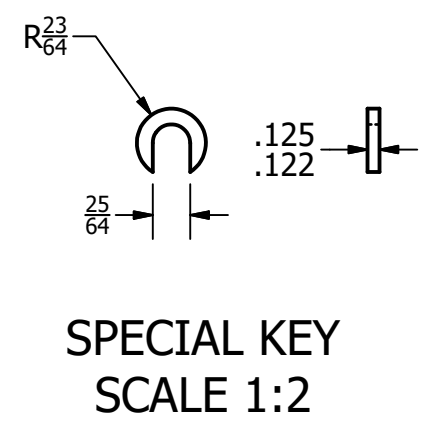
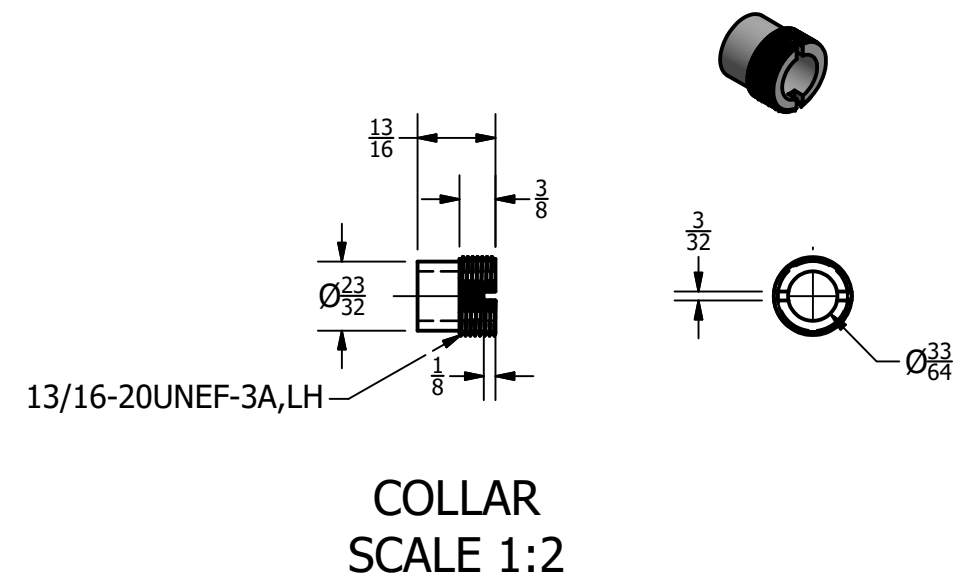
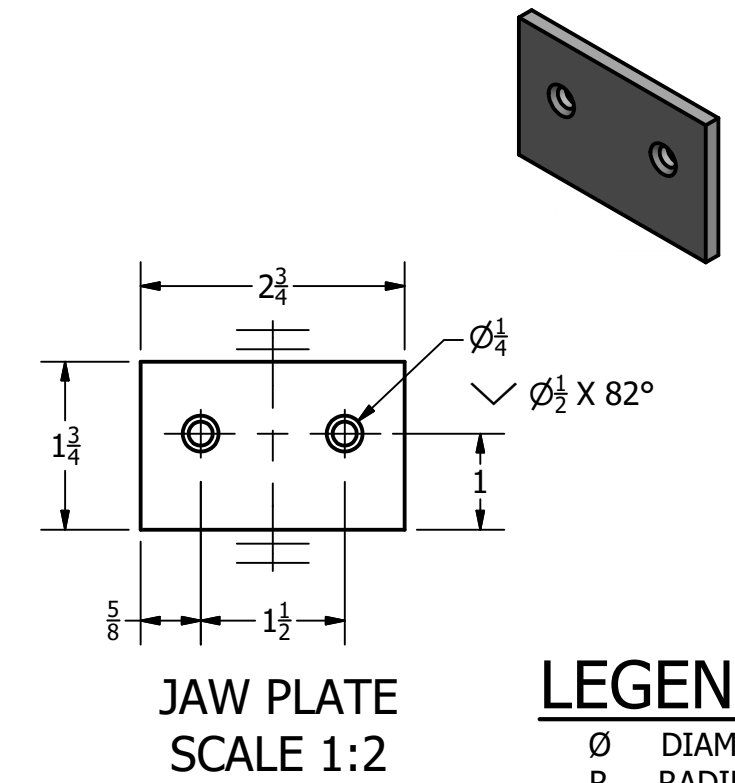
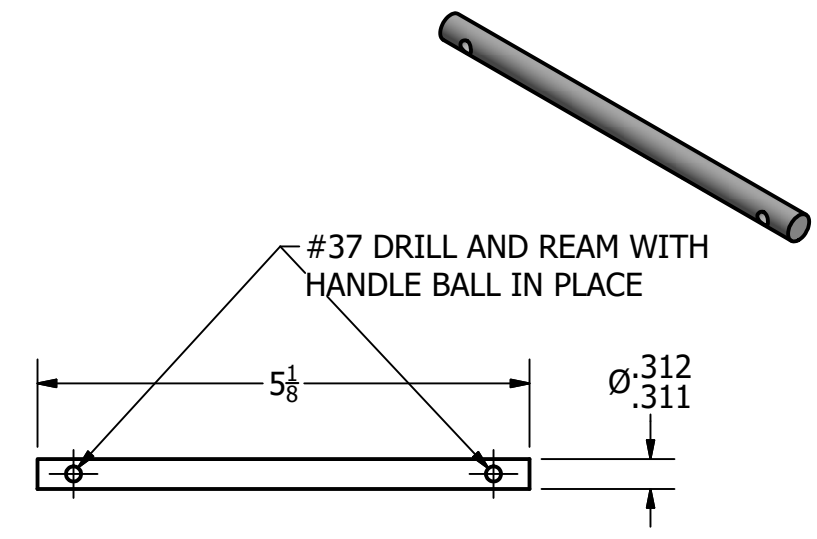
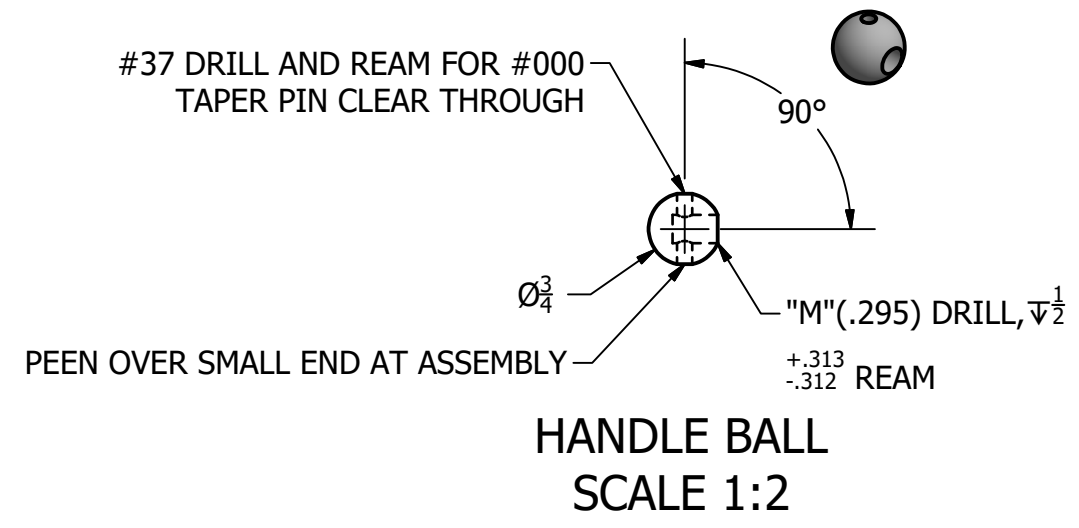
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COURSE:	DDGT 240
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
DRAFTER:	P. LAKE
DATE:	9/27/2018
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PAGE #:	5 OF 6



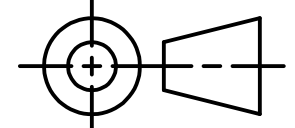
PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE
5	1	COLLAR
6	1	SPECIAL KEY
7	1	HANDLE ROD
8	2	HANDLE BALL



LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- \square COUNTERBORE
- ∇ DEPTH
- \sphericalangle COUNTERSINK

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