

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	CARBON STEEL	
2	1	SLIDING JAW	CARBON STEEL	
3	2	JAW PLATE	NICKEL-CHROMIUM STEEL	
4	1	WISE SCREW	NICKEL-CHROMIUM STEEL	
5	1	COLLAR	CARBON STEEL	
6	1	SPECIAL KEY	CARBON STEEL	
7	1	HANDLE ROD	CARBON STEEL	
8	2	HANDLE BALL	CARBON STEEL	
9	2	SLIDE KEY	CARBON STEEL	
10	2	SET SCREW	CARBON STEEL	
11	4	COUNTERSUNK HEAD SCREW	MILD STEEL	ANSI B18.6.3 - 1/4-20 UNC x 0.75, CRFCHMSTII
12	2	TAPER PIN	NICKEL-CHROMIUM STEEL	

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE 1/8" UNLESS SPECIFIED OTHERWISE

LEGEND:

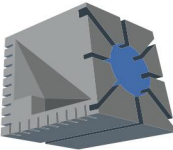
- Ø DIAMETER
- R RADIUS
- ° DEGREE
- COUNTERBORE
- ▽ DEPTH

MACHINE VISE ASSEMBLY
SCALE 1 : 1



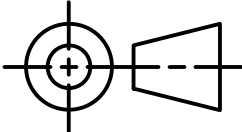
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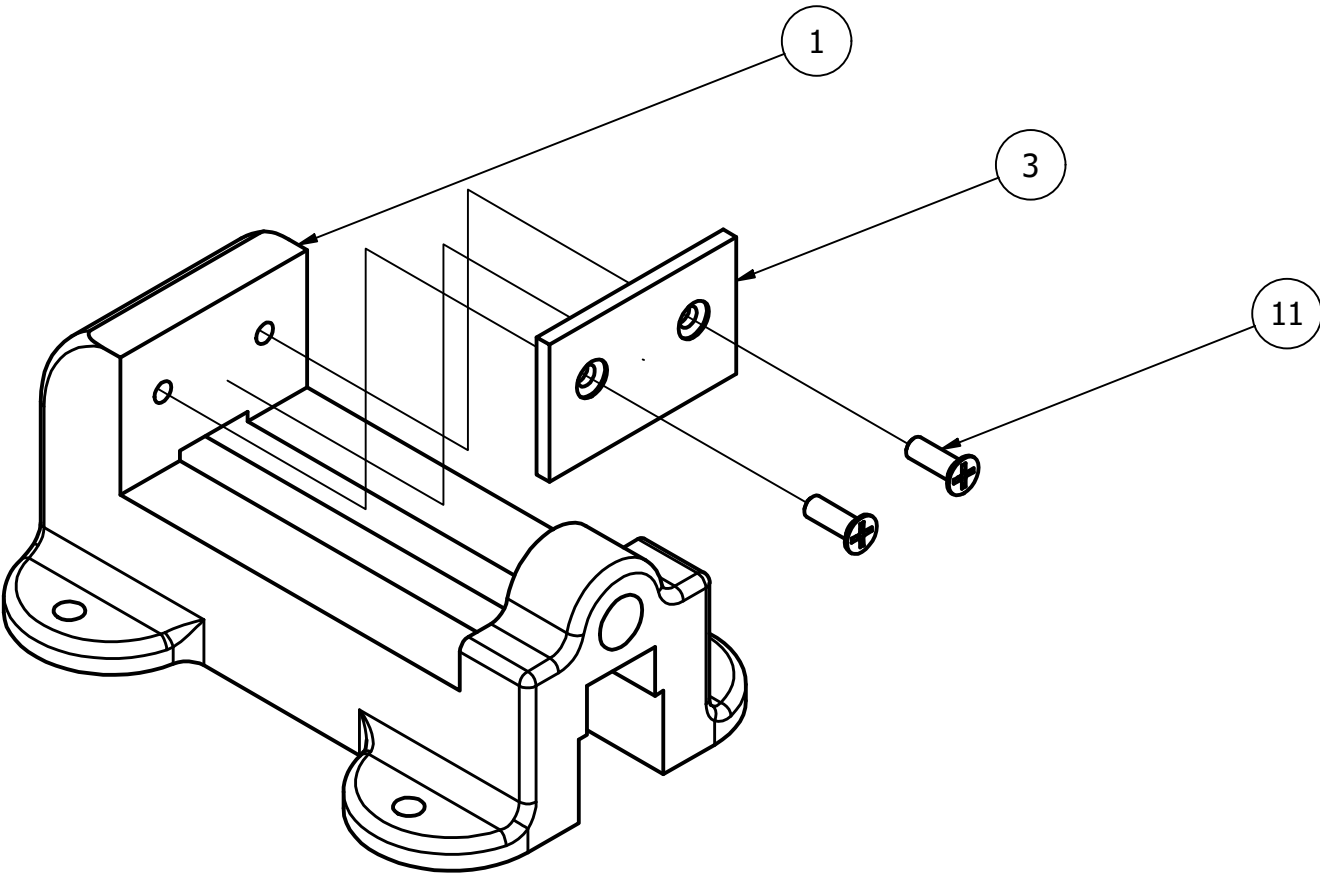
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE:	DDGT 240
INVENTOR DRAWING NAME:	MACHINE VISE
FIGURE:	14-71
DRAFTER:	CHASE HUMPHREYS
DATE:	9/10/2021
SCALE:	AS NOTED
PAGE #:	1 OF 8

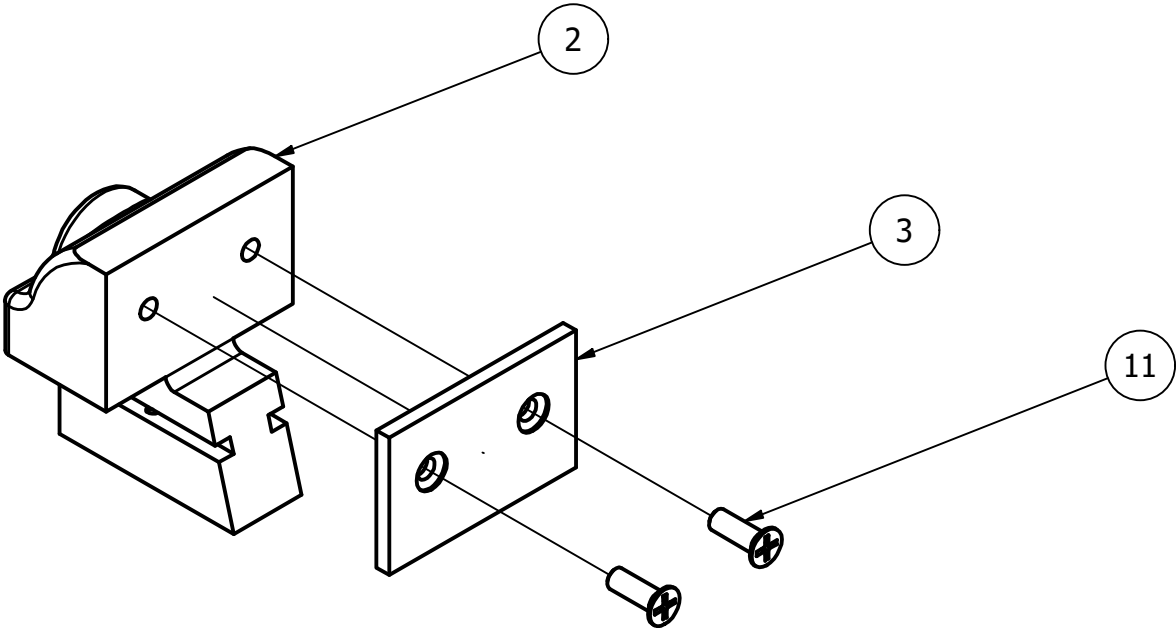
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	SLIDING JAW
3	2	JAW PLATE
11	4	COUNTERSUNK HEAD SCREW

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE $\frac{1}{8}$ " UNLESS SPECIFIED OTHERWISE



STEP 1 - BASE ASSEMBLY
SCALE 1/2



STEP 2 - JAW ASSEMBLY
SCALE 1/2

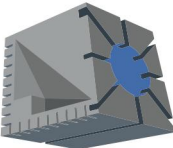
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- ° DEGREE
- COUNTERBORE
- DEPTH

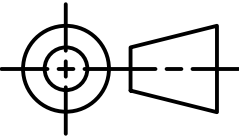


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SURFACES $\sqrt{32}$

COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

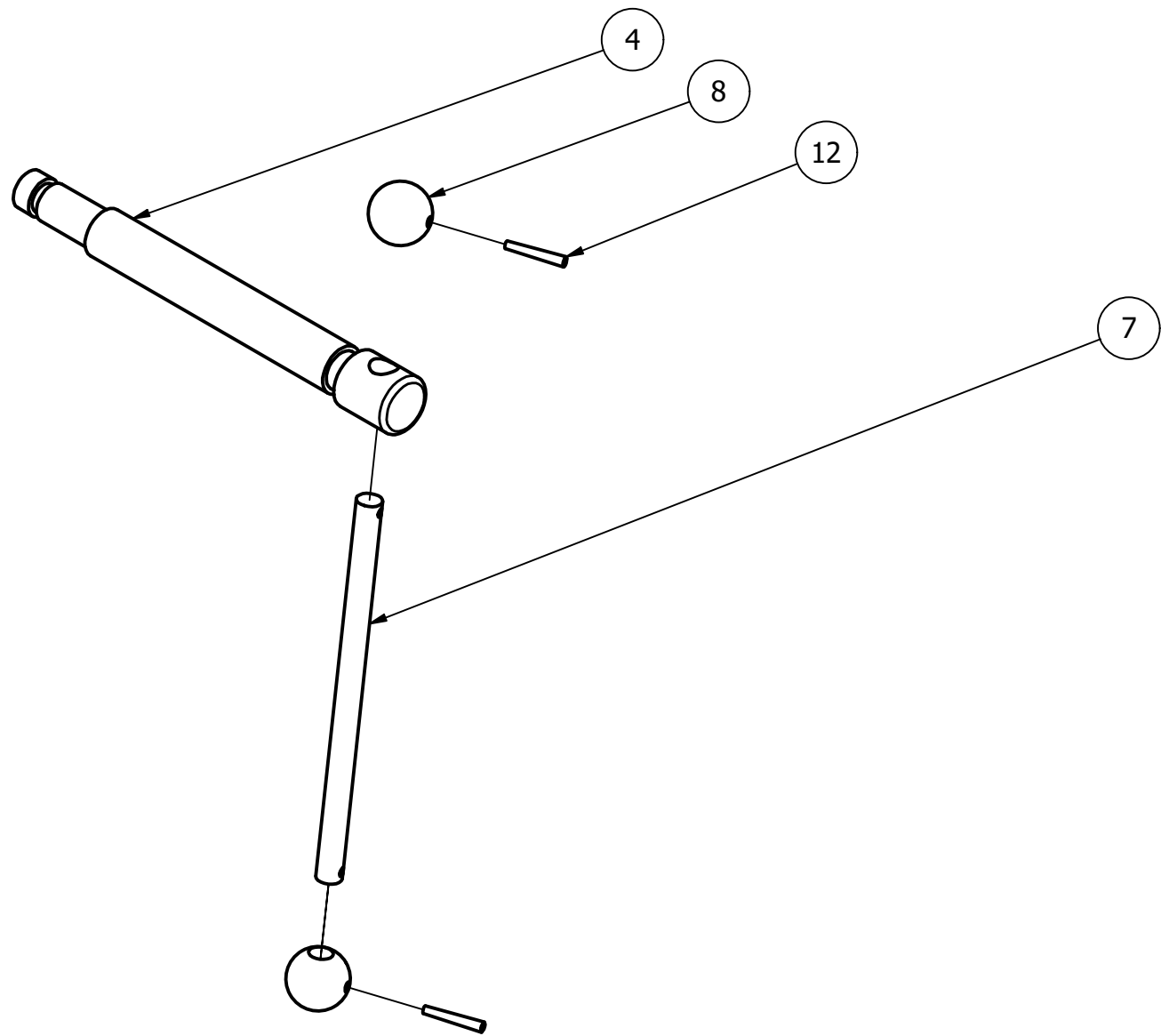
FIGURE: 14-71

DRAFTER: CHASE HUMPHREYS

DATE: 9/10/2021

SCALE: AS NOTED

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STEP 3 - VISE SCREW ASSEMBLY
SCALE 1/2

PARTS LIST		
ITEM	QTY	PART NUMBER
4	1	VISE SCREW
7	1	HANDLE ROD
8	2	HANDLE BALL
12	2	TAPER PIN

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE $\frac{1}{8}$ "
UNLESS SPECIFIED OTHERWISE

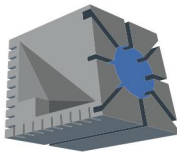
LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREE
- COUNTERBORE
- ▽ DEPTH



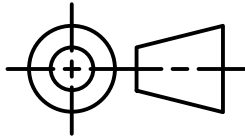
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ANGLES ±1 DEGREE

SURFACES $\sqrt{32}$

COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

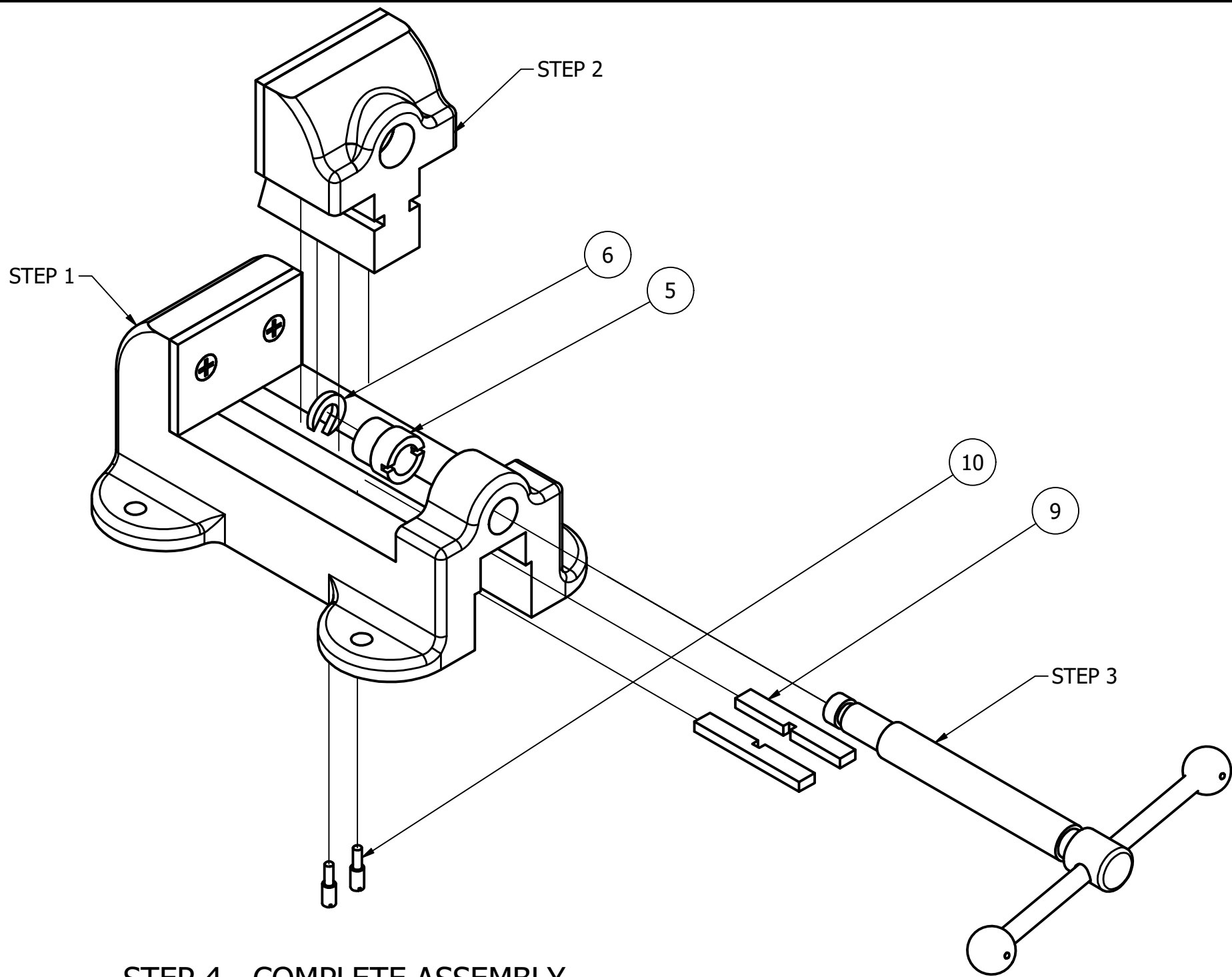
FIGURE: 14-71

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DATE: 9/10/2021

SCALE: AS NOTED

PAGE #: 3 OF 8



STEP 4 - COMPLETE ASSEMBLY
SCALE 1/2

PARTS LIST		
ITEM	QTY	PART NUMBER
5	1	COLLAR
6	1	SPECIAL KEY
9	2	SLIDE KEY
10	2	SET SCREW

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE $\frac{1}{8}$ "
UNLESS SPECIFIED OTHERWISE

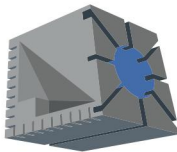
LEGEND:

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- R RADIUS
- ° DEGREE
- COUNTERBORE
- ▽ DEPTH



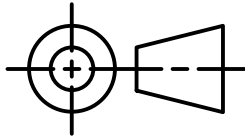
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ANGLES ±1 DEGREE

SURFACES $\frac{32}{\sqrt{}}$

COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

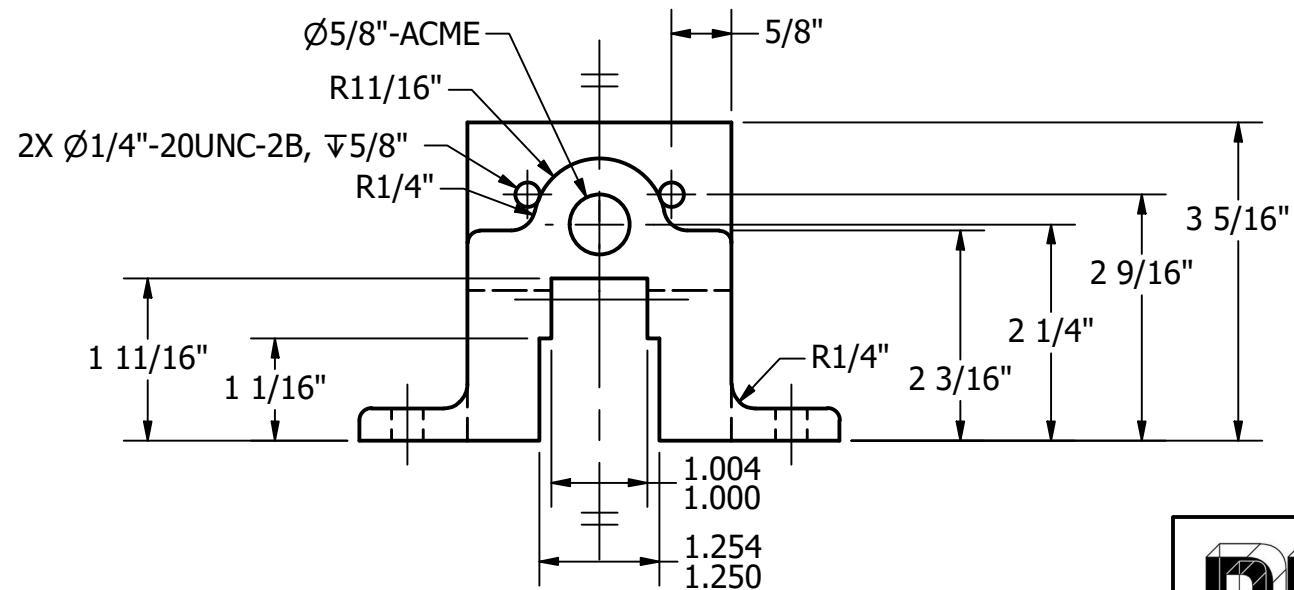
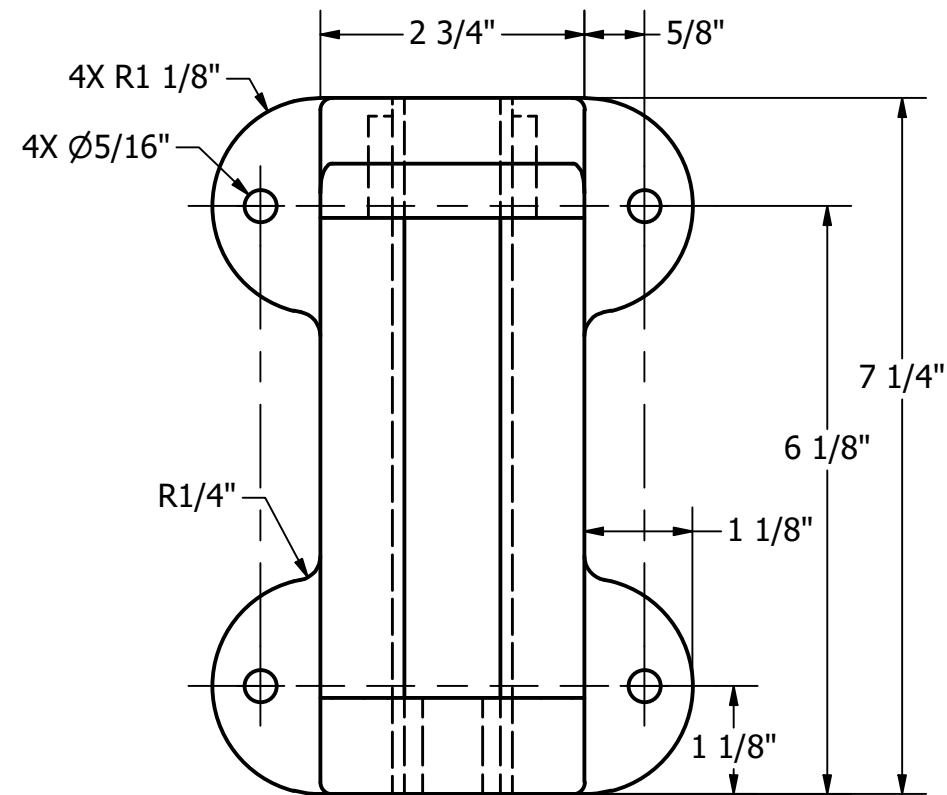
FIGURE: 14-71

DRAFTER: CHASE HUMPHREYS

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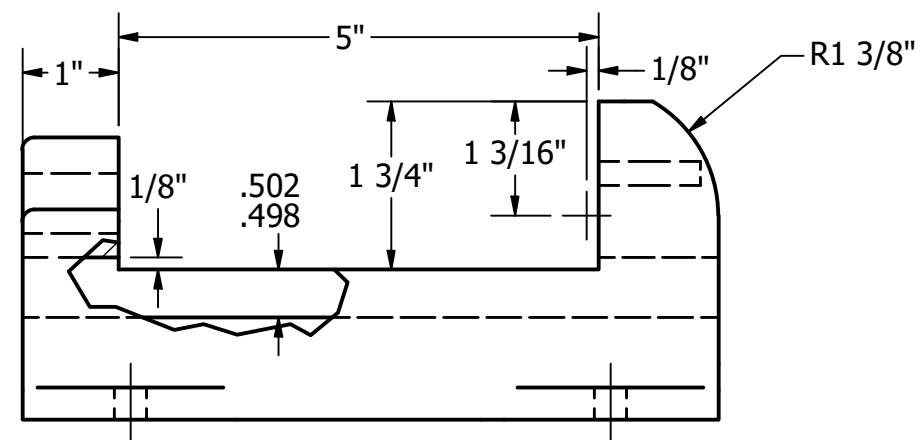
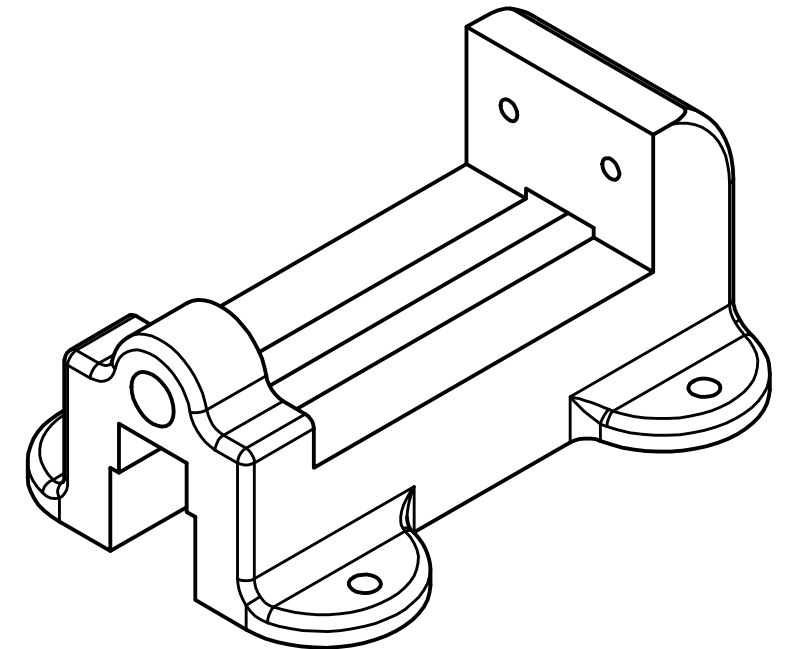


BASE
SCALE 1 / 2

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE $\frac{1}{8}$ "
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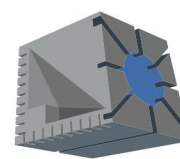
LEGEND:

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- ▽ DEPTH



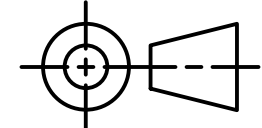
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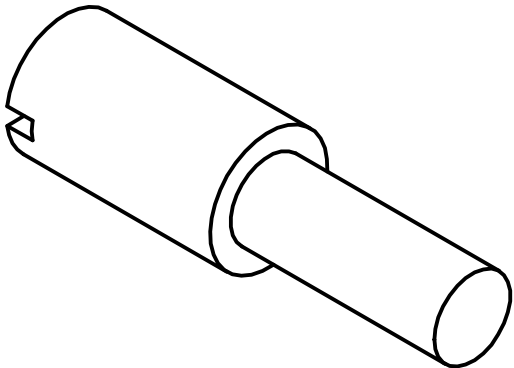
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SURFACES $\frac{32}{\sqrt{\quad}}$

COURSE:	DDGT 240
INVENTOR DRAWING NAME:	MACHINE VISE
FIGURE:	14-71
DRAFTER:	CHASE HUMPHREYS
DATE:	9/10/2021
SCALE:	AS NOTED
PAGE #:	5 OF 8

PARTS LIST		
ITEM	QTY	PART NUMBER
6	1	SPECIAL KEY
8	2	HANDLE BALL
9	2	SLIDE KEY
10	2	SET SCREW
12	2	TAPER PIN

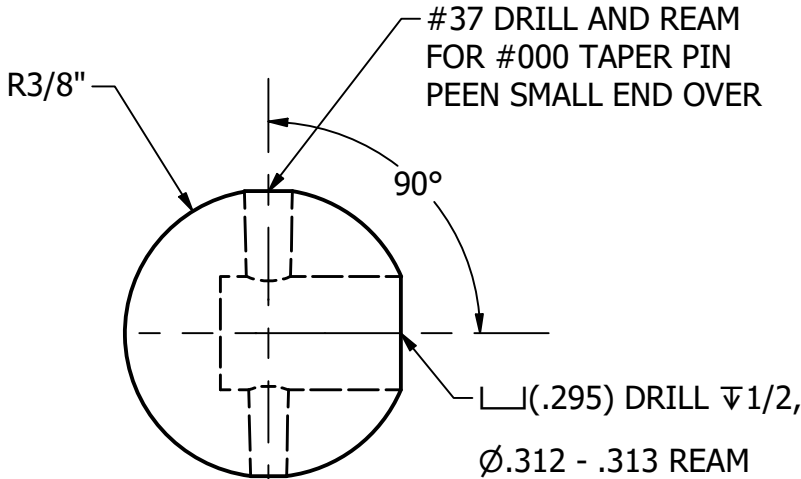
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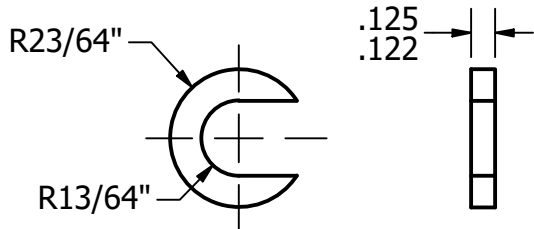


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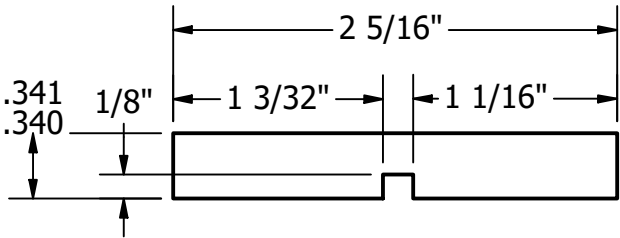
- Ø DIAMETER
- R RADIUS
- ° DEGREE
- COUNTERBORE
- ▽ DEPTH



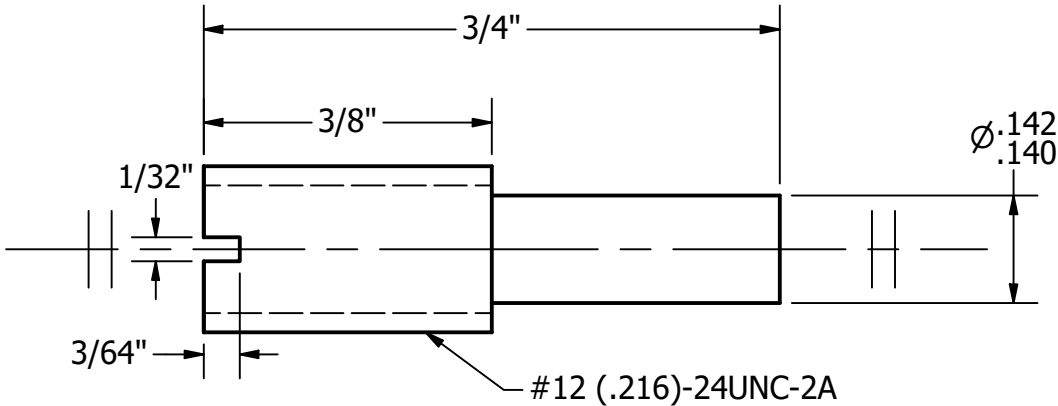
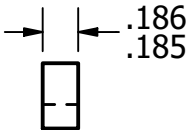
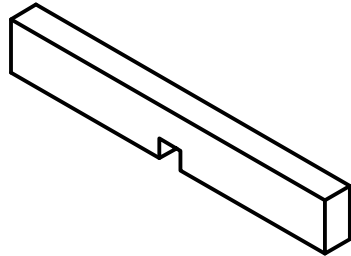
HANDLE BALL
SCALE 2 : 1



SPECIAL KEY
SCALE 1 : 1



SLIDE KEY
SCALE 1 : 1

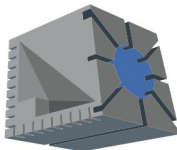


SET SCREW
SCALE 4 : 1



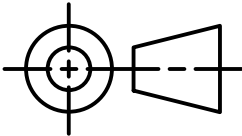
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ANGLES ±1 DEGREE

SURFACES $\frac{32}{\sqrt{\text{ }}} \checkmark$

COURSE: DDGT 240

INVENTOR DRAWING NAME:
MACHINE VISE

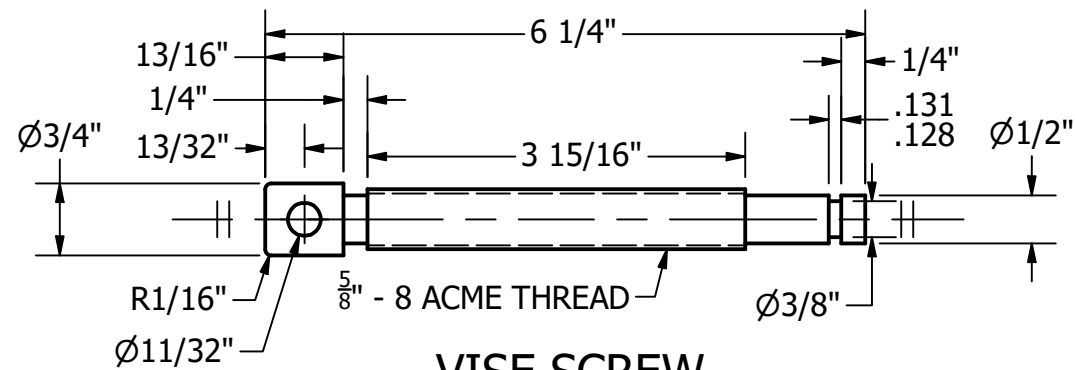
FIGURE: 14-71

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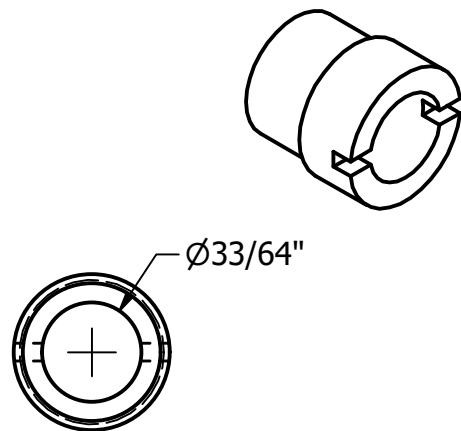
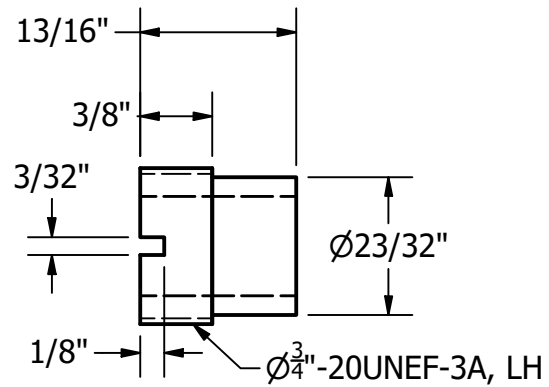
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VICE SCREW
SCALE 1 : 2



Ø1/4"
✓.443" X 124'

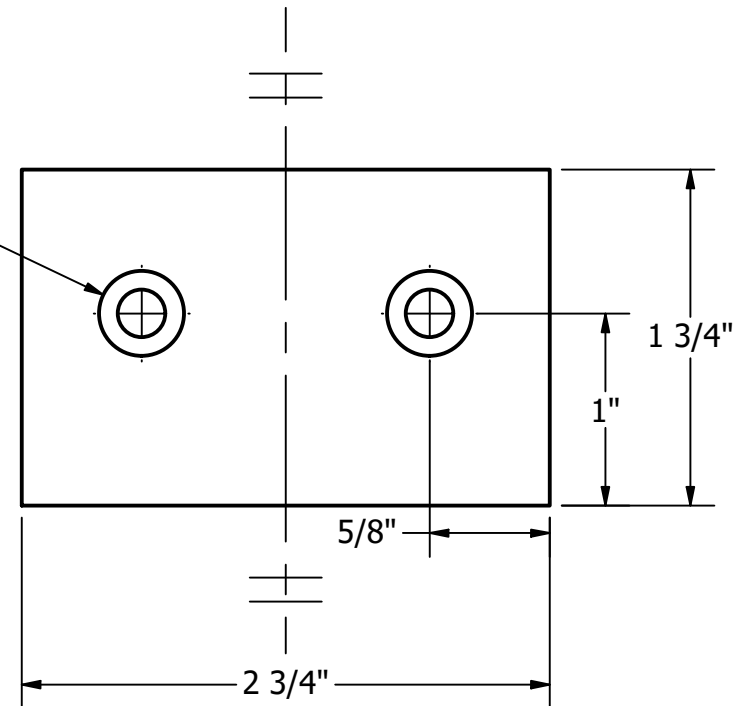


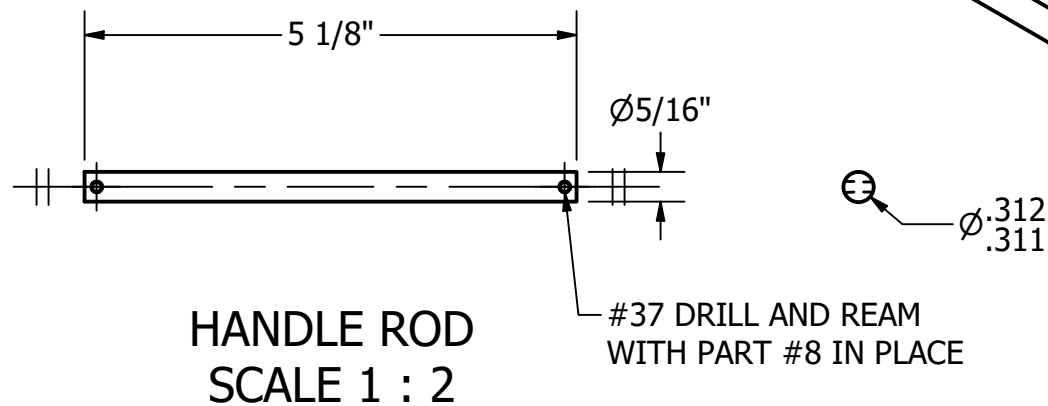
PLATE
SCALE 1 : 1

GENERAL NOTES:

-FILLETS AND ROUNDS ON BASE ARE $\frac{1}{8}$ "
UNLESS SPECIFIED OTHERWISE

LEGEND:

- Ø DIAMETER
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- COUNTERBORE
- ▽ DEPTH



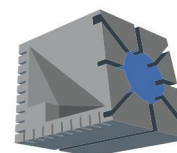
HANDLE ROD
SCALE 1 : 2

PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE
4	1	VICE SCREW
5	1	COLLAR
7	1	HANDLE ROD
12	2	TAPER PIN

DDGT

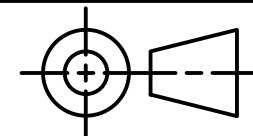
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ANGLES ±1 DEGREE

SURFACES 32 ✓

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INVENTOR DRAWING NAME:
MACHINE VISE

FIGURE: 14-71

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PAGE #: 8 OF 8