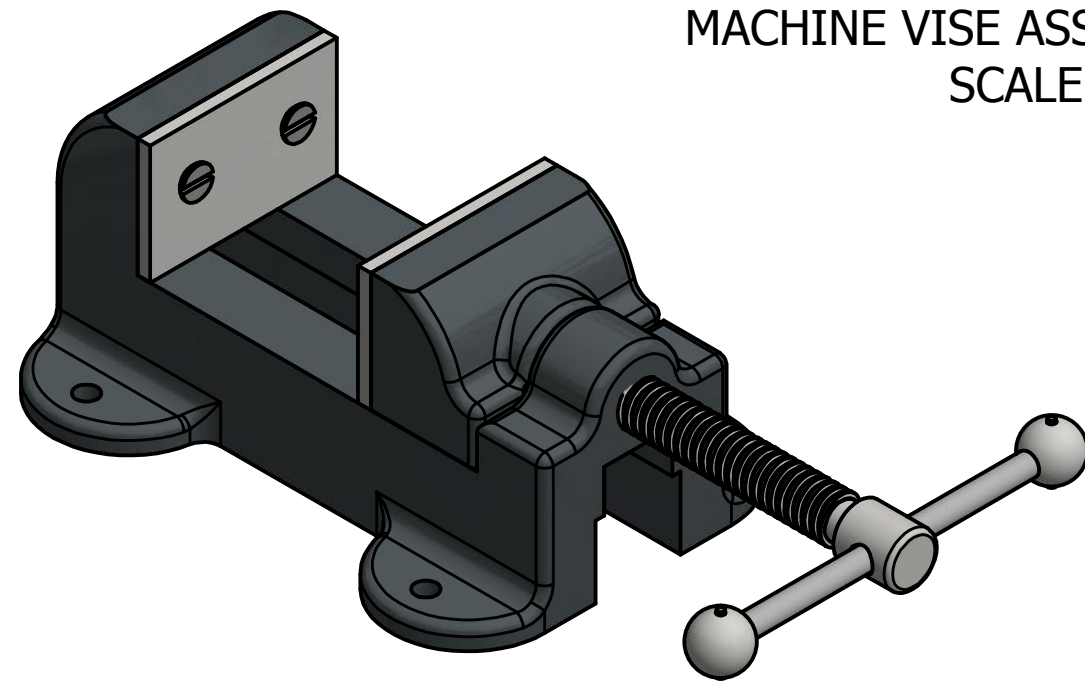


MACHINE VISE ASSEMBLY (CLOSED)  
SCALE 1 / 2



MACHINE VISE ASSEMBLY (OPEN)  
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	MATERIAL
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	4	1/4 FL HD MACH SCR	TYPICAL
12	2	#000 TAPER PIN	TYPICAL

**LEGEND:**

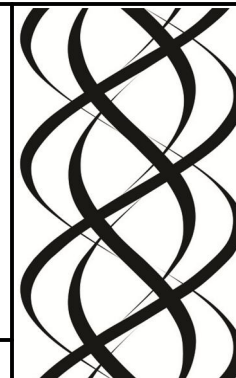
- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ∇ DEPTH
- COUNTERBORE

GENERAL NOTES: ALL FILLETS AND ROUNDS TO BE 1/8 RADIUS UNLESS NOTED OTHERWISE



DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY

WWW.DDGT.NET



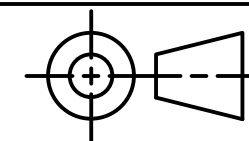
Alexzander Kuykendall

Draftsman and Graphic Designer

(707) 980-5920

alexjkuykendall@gmail.com

www.ddgt.net/StudentPages/akuykendall



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

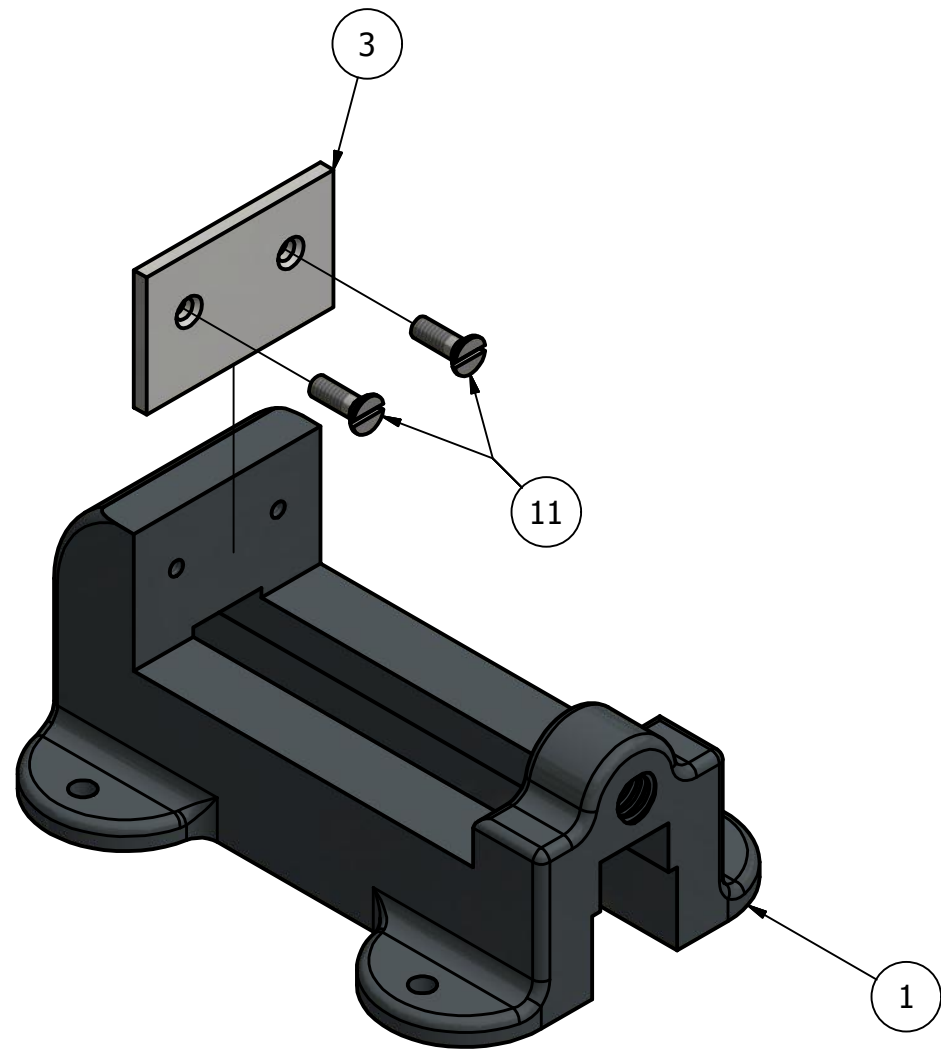
FIG #: 14-71

DRAFTER: A. KUYKENDALL

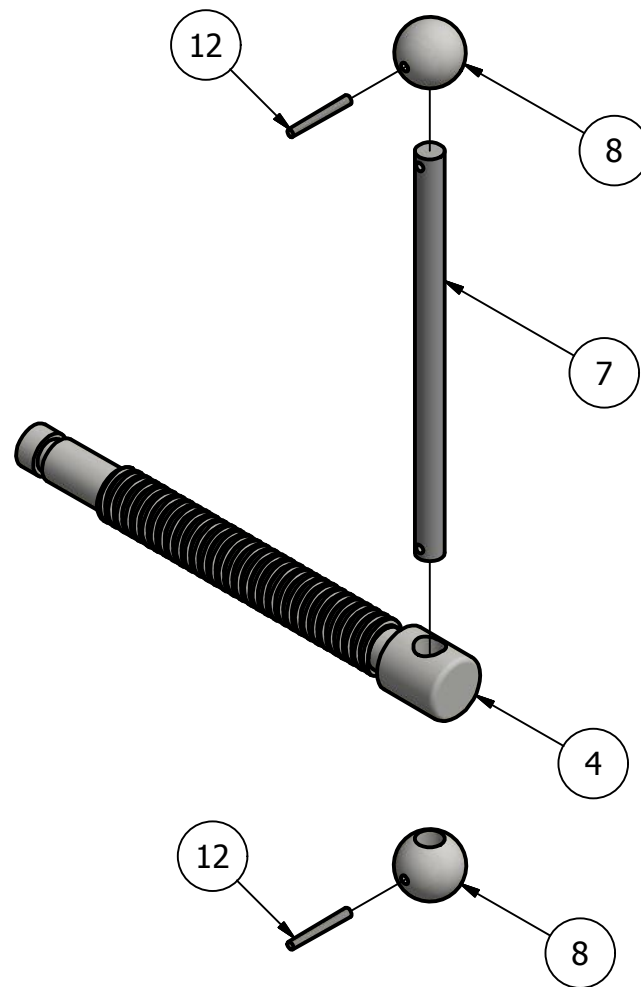
DATE: 9/21/2016

SCALE: AS NOTED

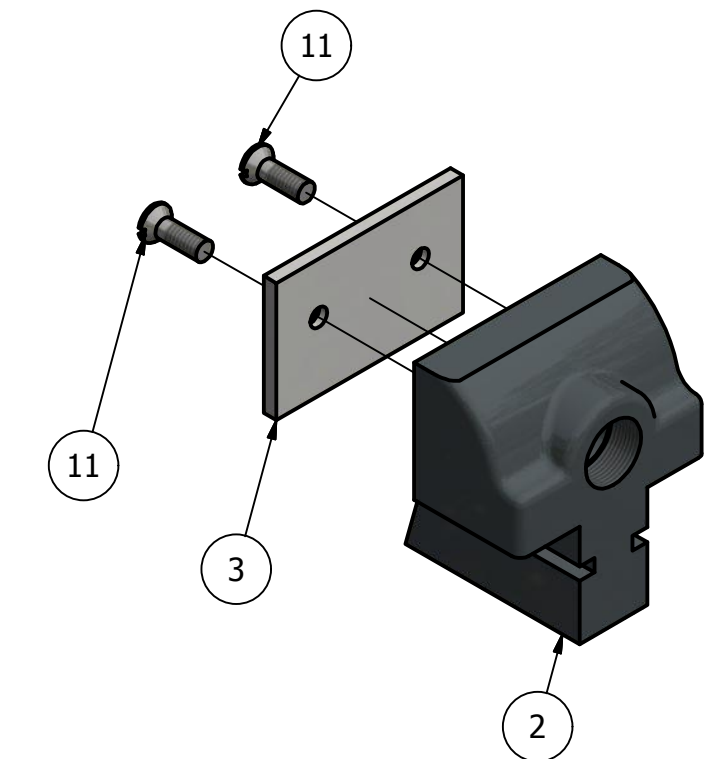
PAGE #: 1 OF 6



BASE SUB-ASSEMBLY  
SCALE 1 / 2



HANDLE SUB-ASSEMBLY  
SCALE 1 / 2



SLIDING JAW SUB-ASSEMBLY  
SCALE 1 / 2

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	SLIDING JAW
3	2	JAW PLATE
4	1	WISE SCREW
7	1	HANDLE ROD
8	2	HANDLE BALL
11	4	1/4 FL HD MACH SCR
12	2	#000 TAPER PIN

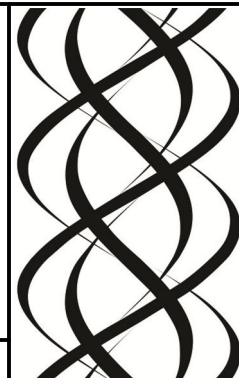
**LEGEND:**

- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ∇ DEPTH
- COUNTERBORE



DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY

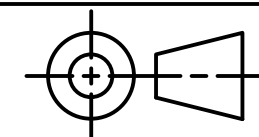
WWW.DDGT.NET



Alexzander Kuykendall  
Draftsman and Graphic Designer

(707) 980-5920  
alexjkuykendall@gmail.com

[www.ddgt.net/StudentPages/akuykendall](http://www.ddgt.net/StudentPages/akuykendall)



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

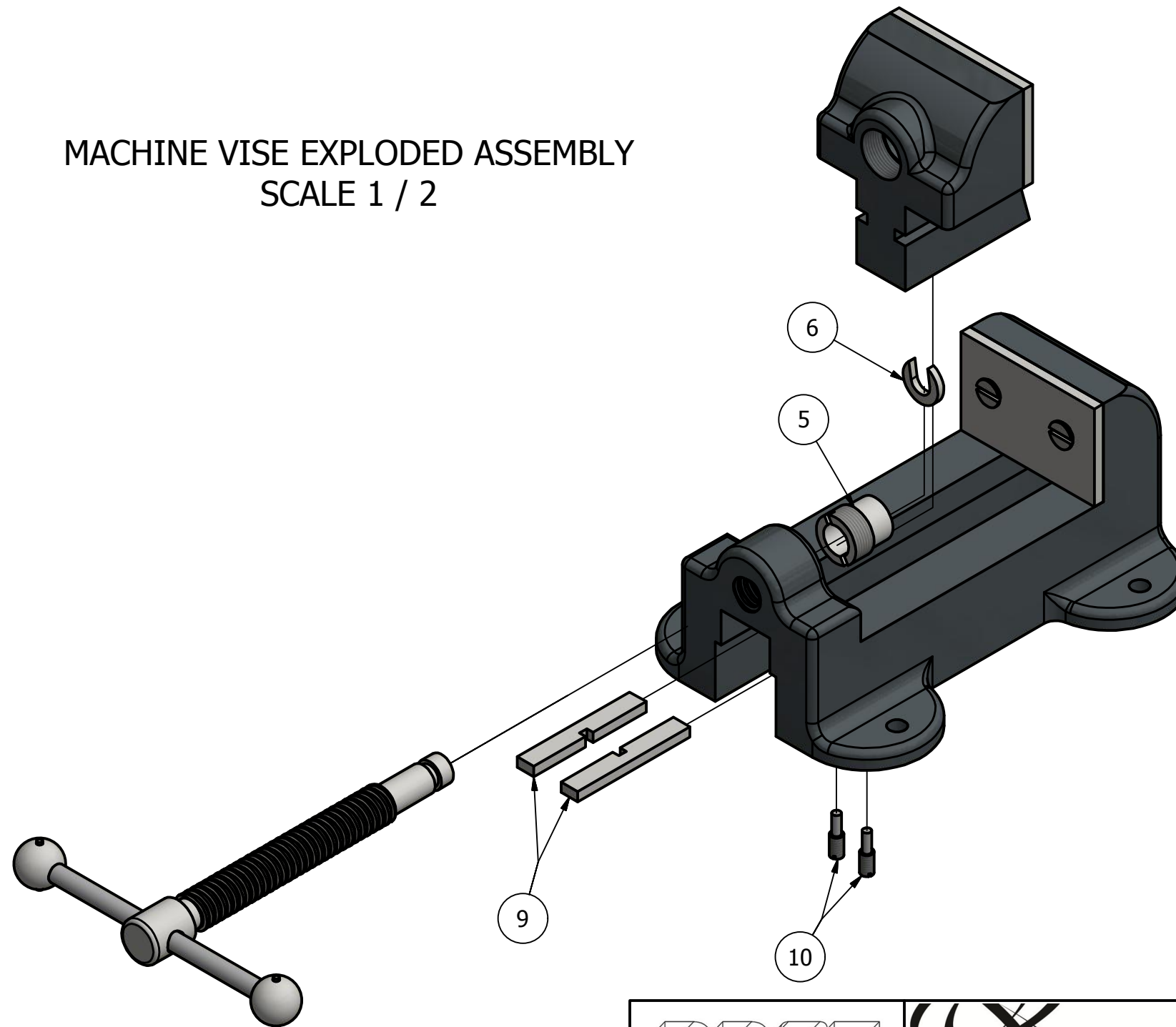
DRAFTER: A. KUYKENDALL

DATE: 9/21/2016

SCALE: AS NOTED

PAGE #: 2 OF 6

MACHINE VISE EXPLODED ASSEMBLY  
SCALE 1 / 2



PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	SLIDING JAW
3	2	JAW PLATE
4	1	WISE SCREW
5	1	COLLAR
6	1	SPECIAL KEY
7	1	HANDLE ROD
8	2	HANDLE BALL
9	2	SLIDE KEY
10	2	SET SCREW
11	4	1/4 FL HD MACH SCR
12	2	#000 TAPER PIN

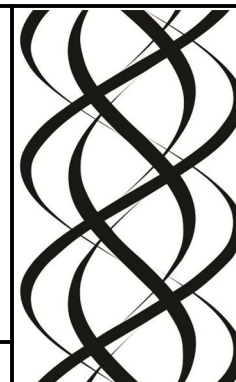
**LEGEND:**

- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ∇ DEPTH
- ┌┐ COUNTERBORE

**DDGT**

DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY

WWW.DDGT.NET



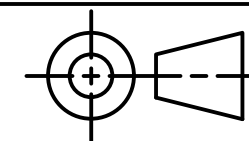
Alexzander Kuykendall

Draftsman and Graphic Designer

(707) 980-5920

alexjkuykendall@gmail.com

[www.ddgt.net/StudentPages/akuykendall](http://www.ddgt.net/StudentPages/akuykendall)



TOLERANCES UNLESS SPECIFIED

DECIMAL INCHES:

X = ±.020

XX = ±.010

XXX = ±.005

FRACTIONAL ± 1/64"

ANGLES ± 1 DEGREE

SURFACES  $\sqrt{32}$

COURSE: DDGT 240

INVENTOR DRAWING NAME:

MACHINE VISE

FIG #: 14-71

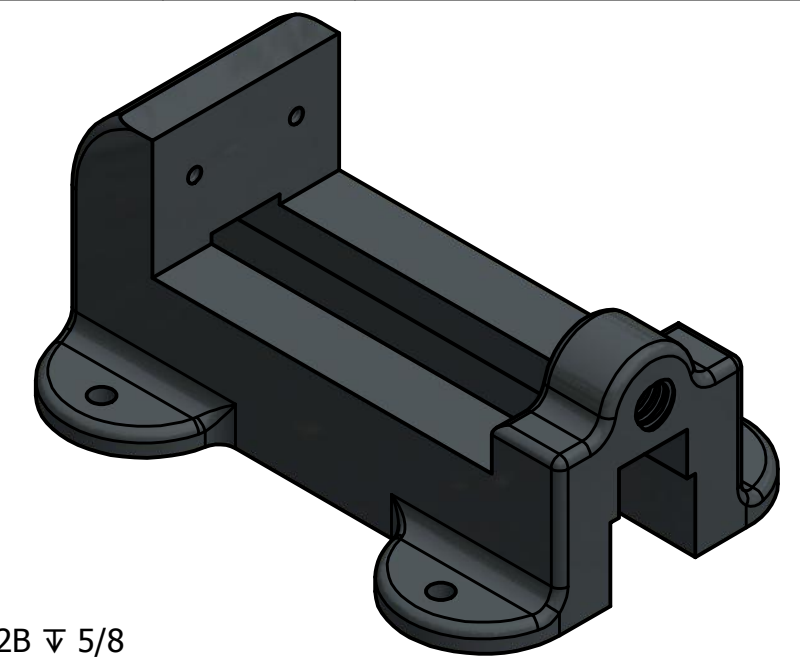
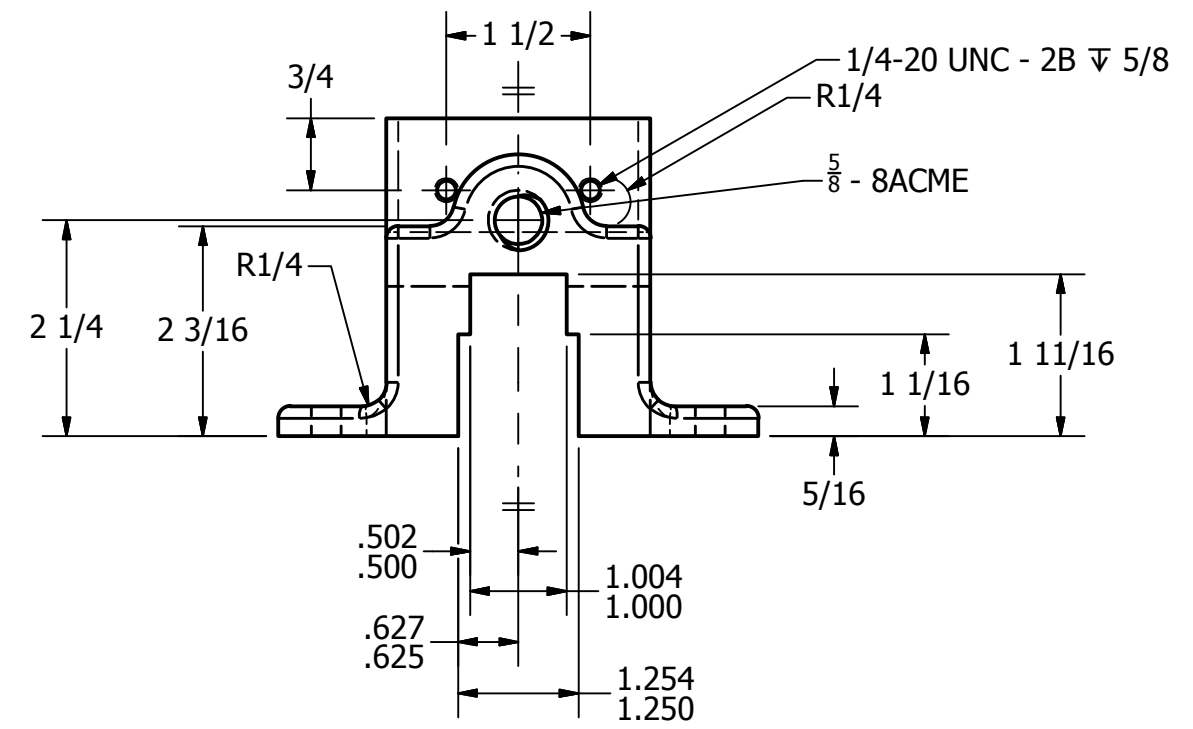
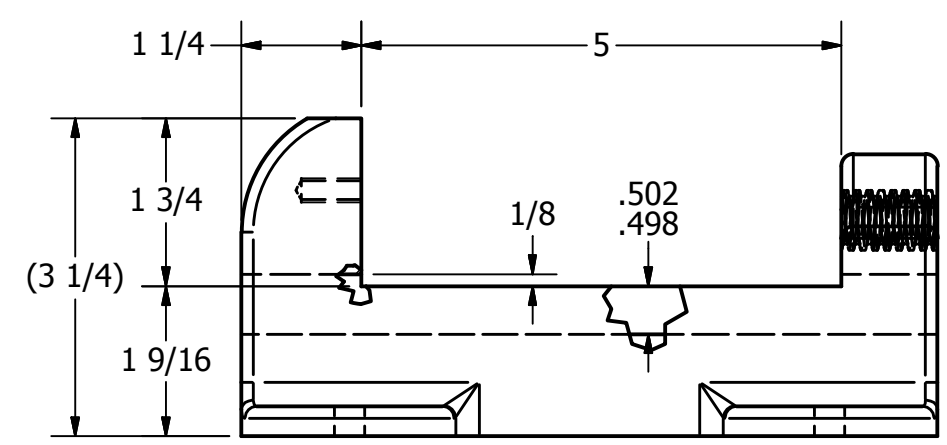
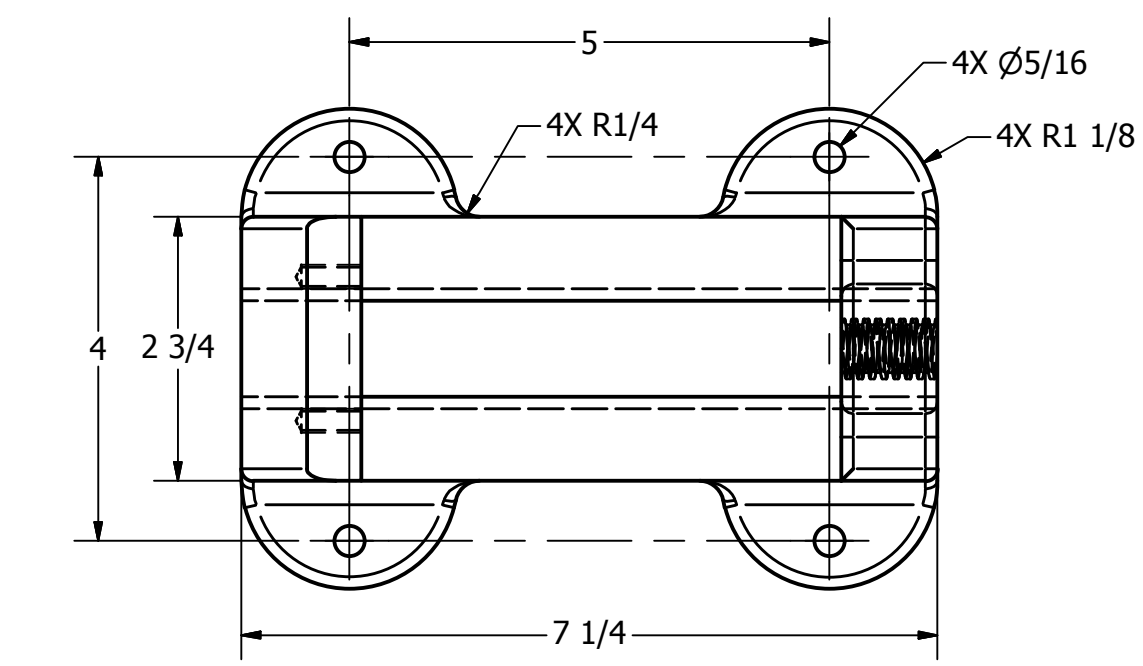
DRAFTER: A. KUYKENDALL

DATE: 9/21/2016

SCALE: AS NOTED

PAGE #: 3 OF 6

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE



BASE  
SCALE 1 / 2

**LEGEND:**

- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ∇ DEPTH
- ┌┐ COUNTERBORE

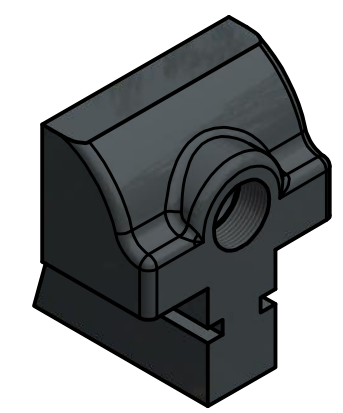
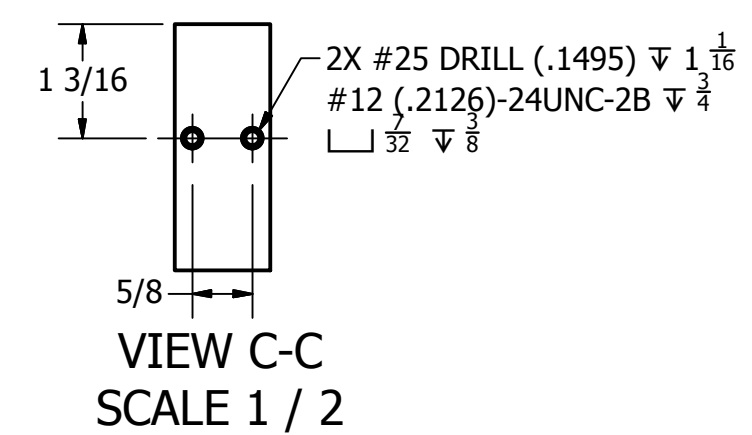
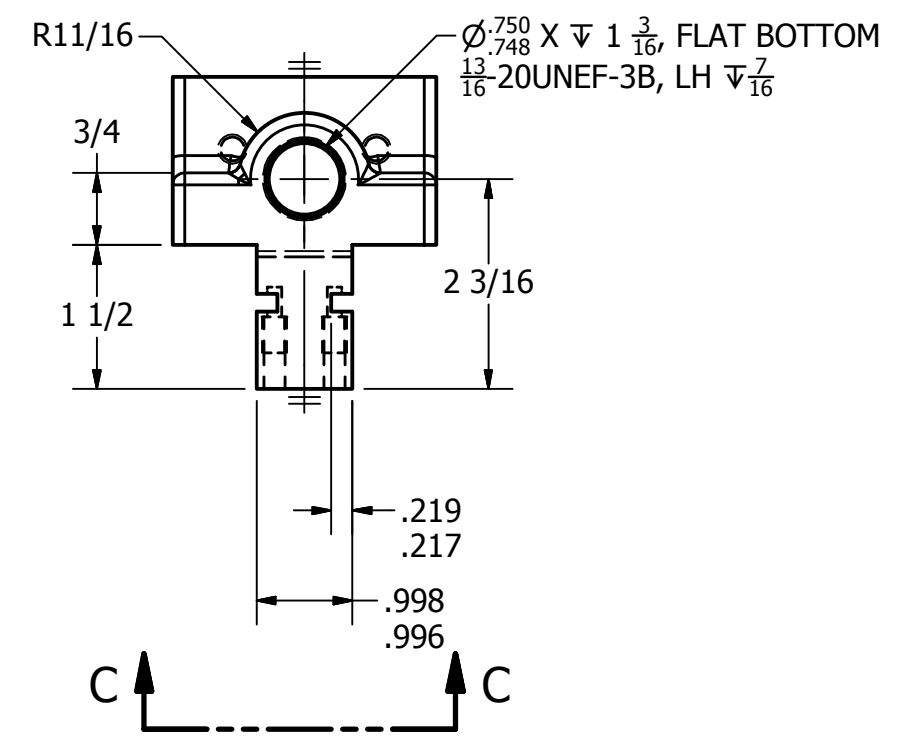
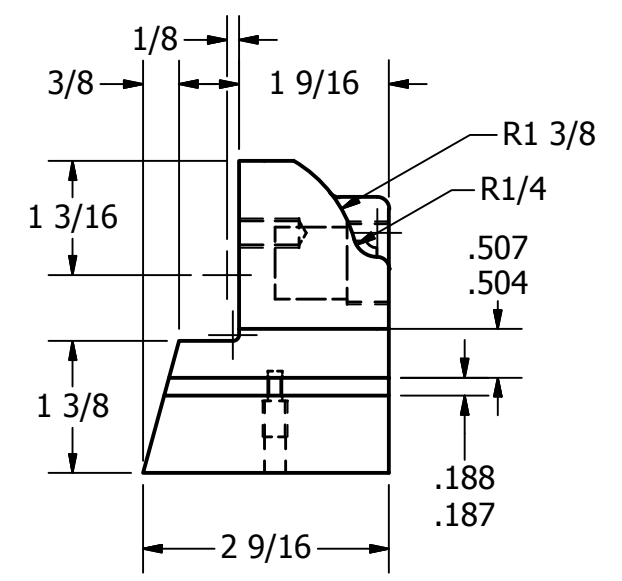
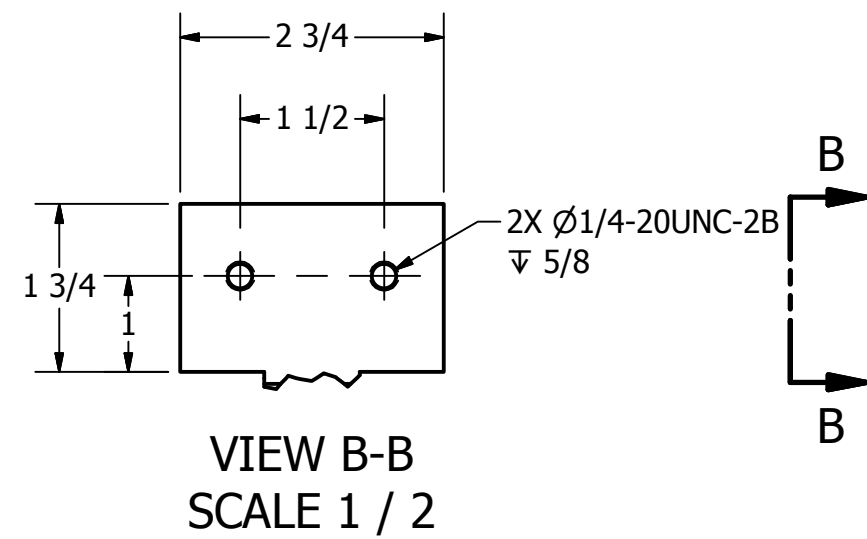
**DDGT**  
DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY  
WWW.DDGT.NET

**Alexzander Kuykendall**  
Draftsman and Graphic Designer  
(707) 980-5920  
alexjkuykendall@gmail.com  
[www.ddgt.net/StudentPages/akuykendall](http://www.ddgt.net/StudentPages/akuykendall)

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

COURSE:	DDGT 240
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
DRAFTER:	A. KUYKENDALL
DATE:	9/21/2016
SCALE:	AS NOTED
PAGE #:	4 OF 6

PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	SLIDING JAW



**LEGEND:**

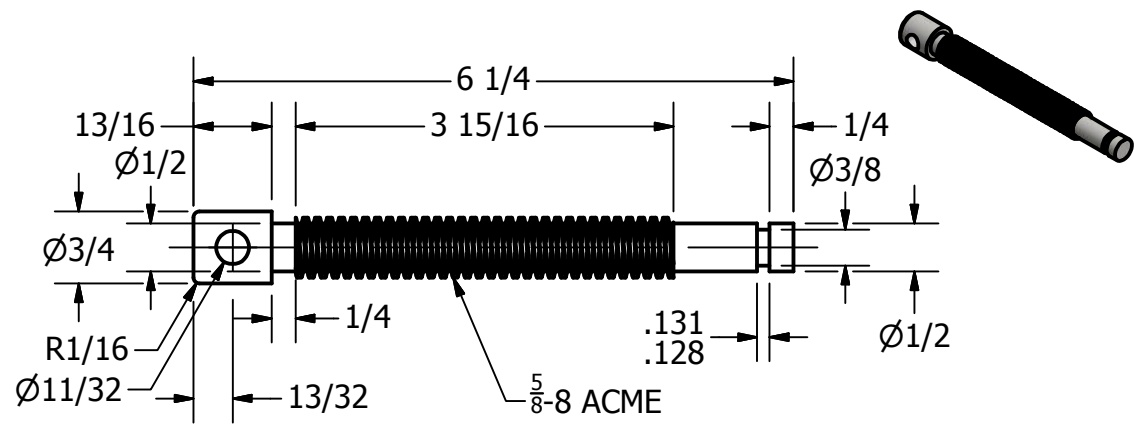
Ø DIAMETER  
R RADIUS  
° DEGREE  
∇ DEPTH  
┌ COUNTERBORE

**DDGT**  
DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY  
WWW.DDGT.NET

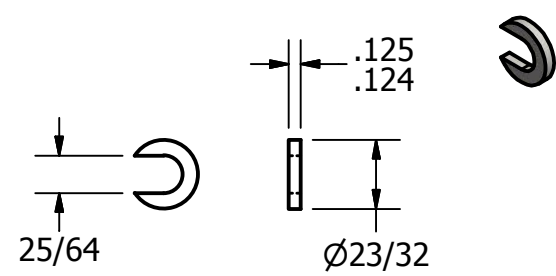
Alexzander Kuykendall  
Draftsman and Graphic Designer  
(707) 980-5920  
alexjkuykendall@gmail.com  
www.ddgt.net/StudentPages/akuykendall

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:	A. KUYKENDALL
DATE:	9/21/2016
SCALE:	AS NOTED
PAGE #:	5 OF 6

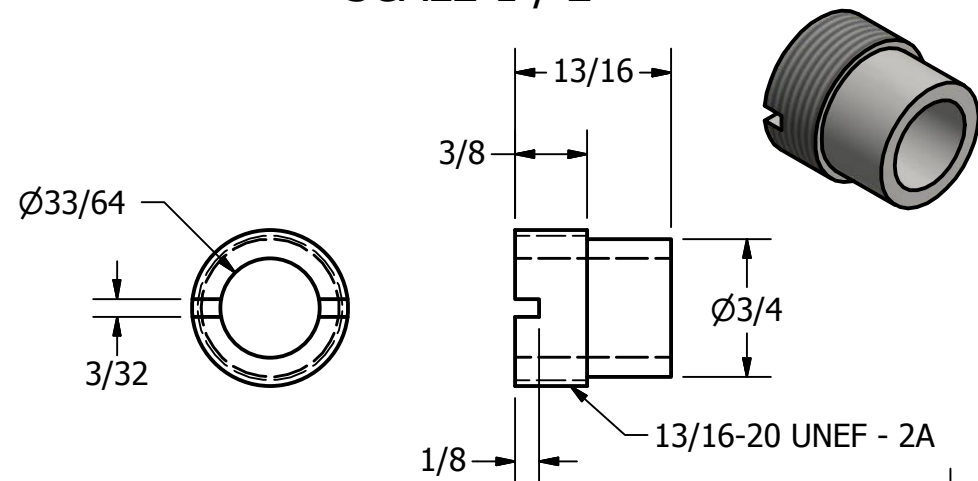


**WISE SCREW**  
SCALE 1 / 2

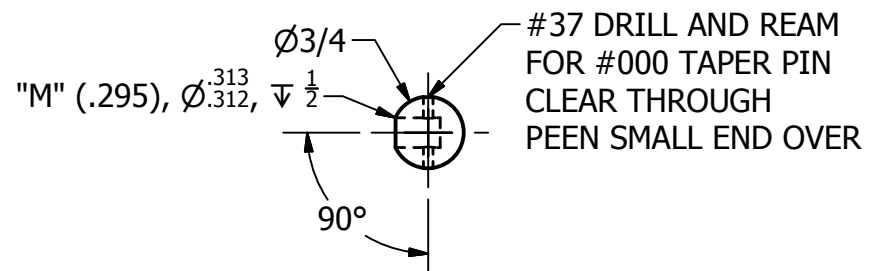


**SPECIAL KEY**  
SCALE 1 / 2

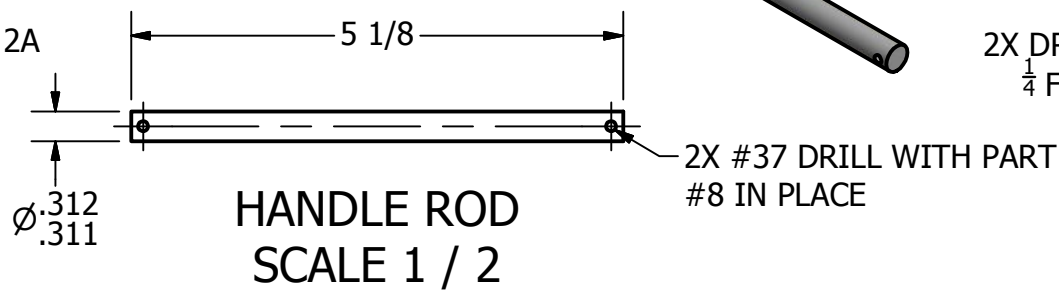
PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE
4	1	WISE SCREW
5	1	COLLAR
6	1	SPECIAL KEY
7	1	HANDLE ROD
8	2	HANDLE BALL
9	2	SLIDE KEY
10	2	SET SCREW



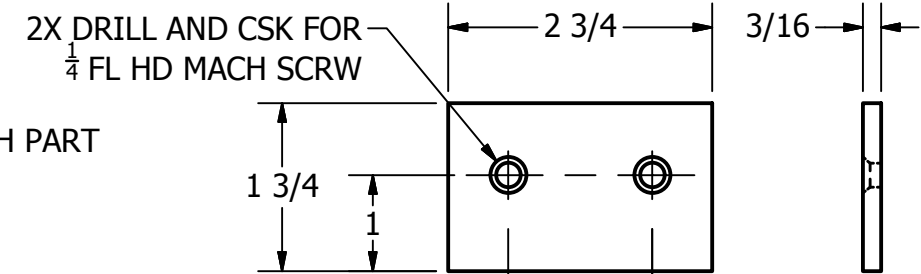
**COLLAR**  
SCALE 1 : 1



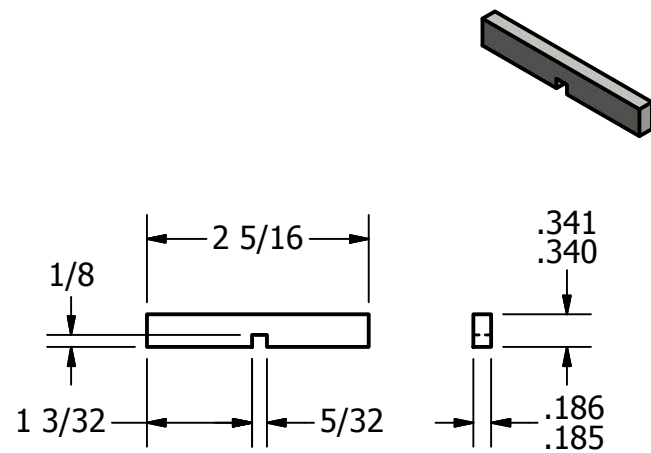
**HANDLE BALL**  
SCALE 1 / 2



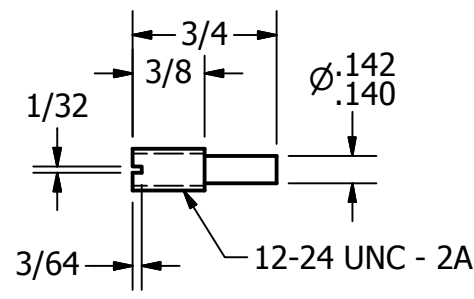
**HANDLE ROD**  
SCALE 1 / 2



**JAW PLATE**  
SCALE 1 / 2



**SLIDE KEY**  
SCALE 1 / 2



**SET SCREW**  
SCALE 1 : 1

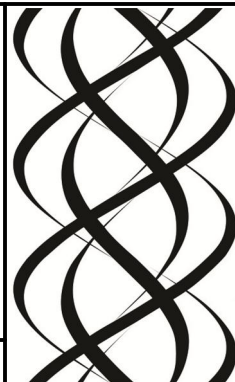
**LEGEND:**

- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ∇ DEPTH
- ┌ COUNTERBORE



DIGITAL DESIGN  
GRAPHICS  
TECHNOLOGY

WWW.DDGT.NET

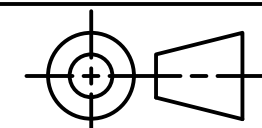


Alexzander Kuykendall

Draftsman and Graphic Designer

(707) 980-5920  
alexjkuykendall@gmail.com

www.ddgt.net/StudentPages/akuykendall



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: A. KUYKENDALL

DATE: 9/21/2016

SCALE: AS NOTED

PAGE #: 6 OF 6