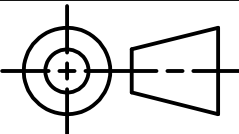




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TECHNOLOGY

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

CLASS: DDGT 240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: N. HENDERSON

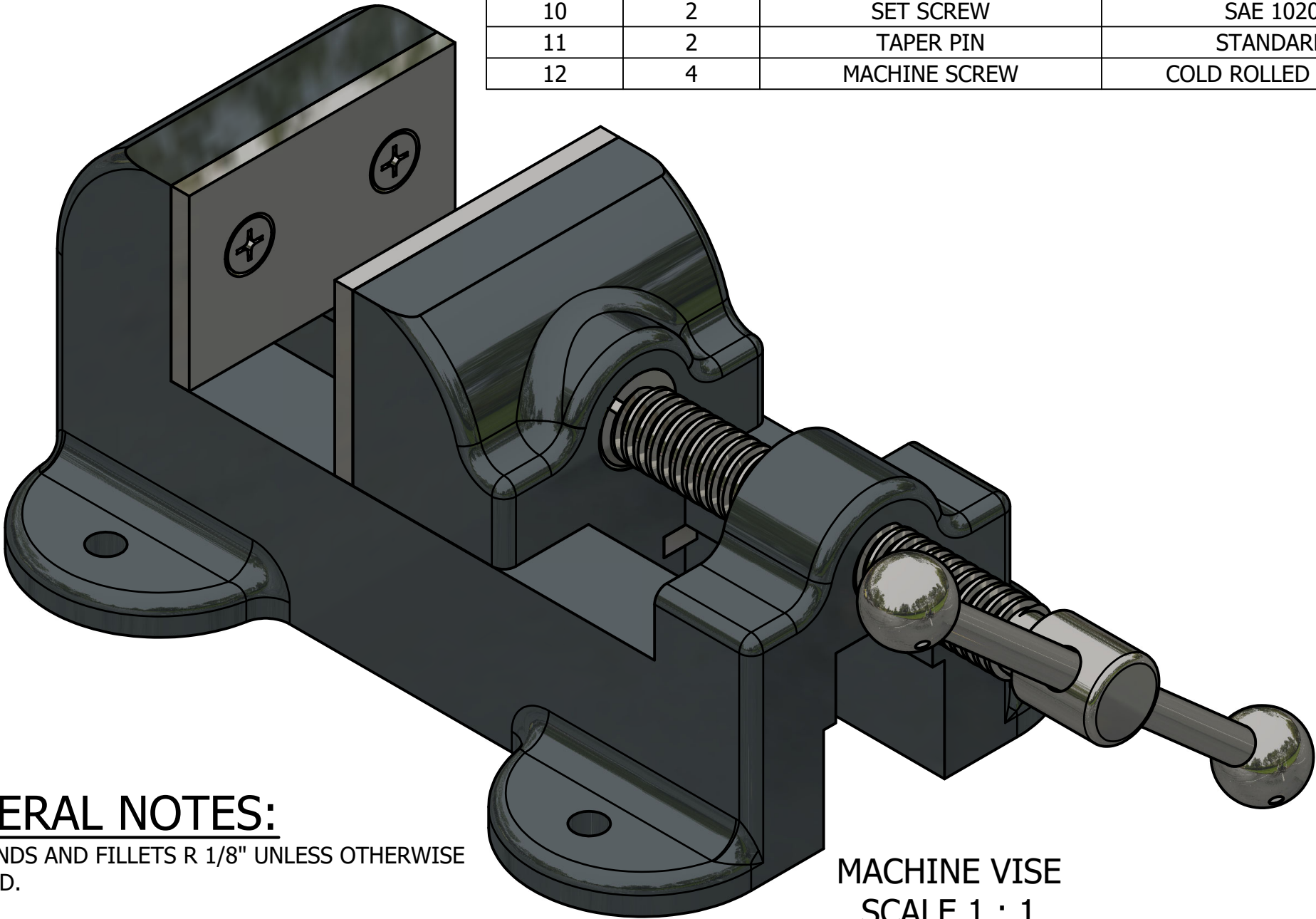
DATE: 10/4/2024

SCALE: AS NOTED

PAGE #: 1 OF 9

PARTS LIST

ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	CAST IRON	
2	1	SLIDING JAW	CAST IRON	
3	2	JAW PLATE	SAE 1020	
4	1	WISE SCREW	SAE 1020	
5	1	COLLAR	SAE 1020	
6	1	SPECIAL KEY	SAE 1020	
7	1	HANDLE ROD	SAE 1020	
8	2	HANDLE BALL	SAE 1020	
9	2	SLIDE KEY	SAE 1020	
10	2	SET SCREW	SAE 1020	
11	2	TAPER PIN	STANDARD	98390A100_12L14
12	4	MACHINE SCREW	COLD ROLLED STEEL	1/4 FL HD MACHINE SCREW



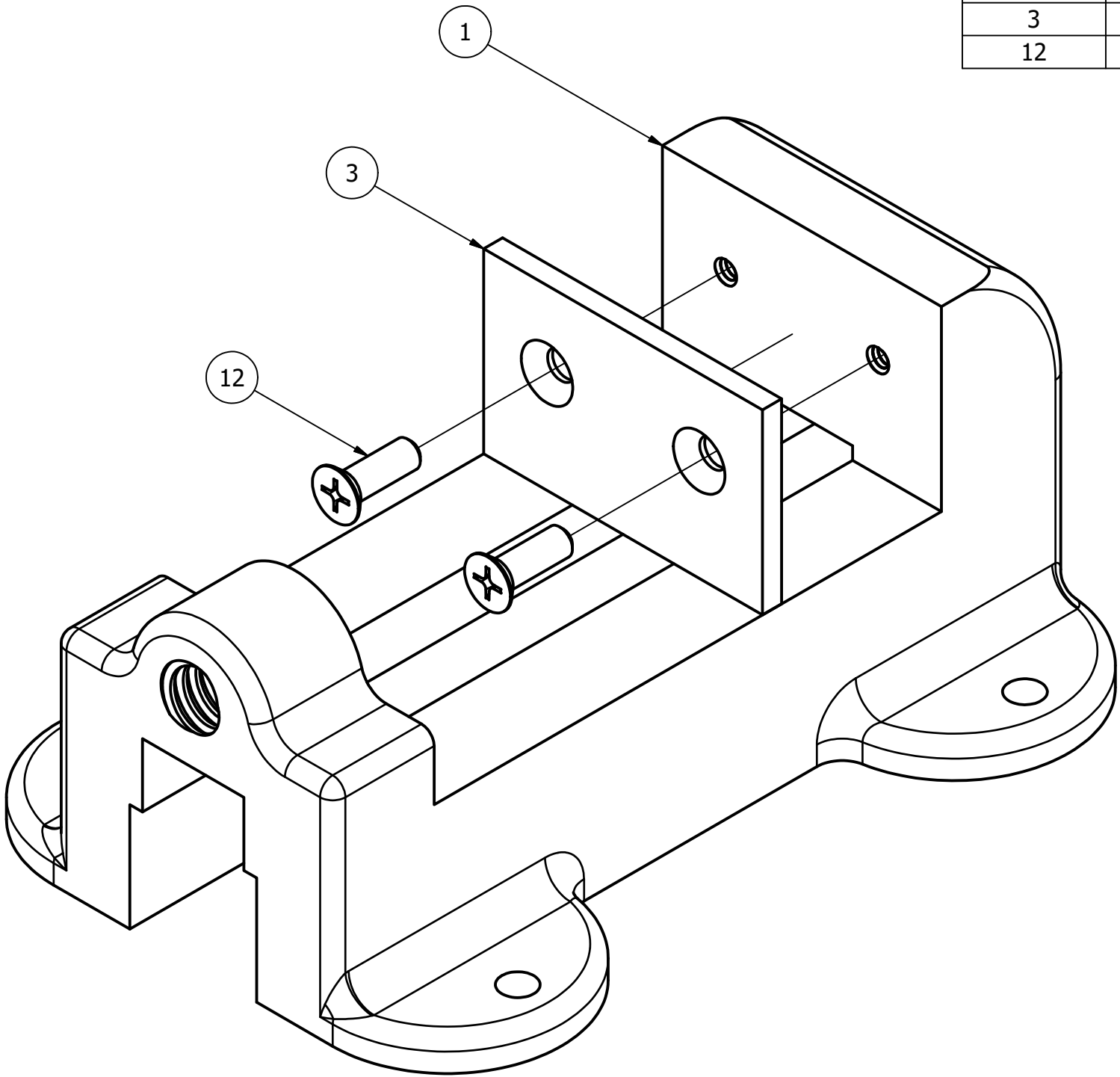
MACHINE VISE
SCALE 1 : 1

GENERAL NOTES:

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

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- SPOTFACE/
COUNTERBORE
- ∨ COUNTERSINK
- ↯ DEPTH



STEP 1
SCALE 1 : 1

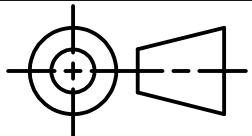
GENERAL NOTES:
ALL ROUNDS AND FILLETS R 1/8" UNLESS OTHERWISE SPECIFIED.

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
3	2	JAW PLATE
12	4	MACHINE SCREW



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

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- SPOTFACE/
COUNTERBORE
- ✓ COUNTERSINK
- ▽ DEPTH

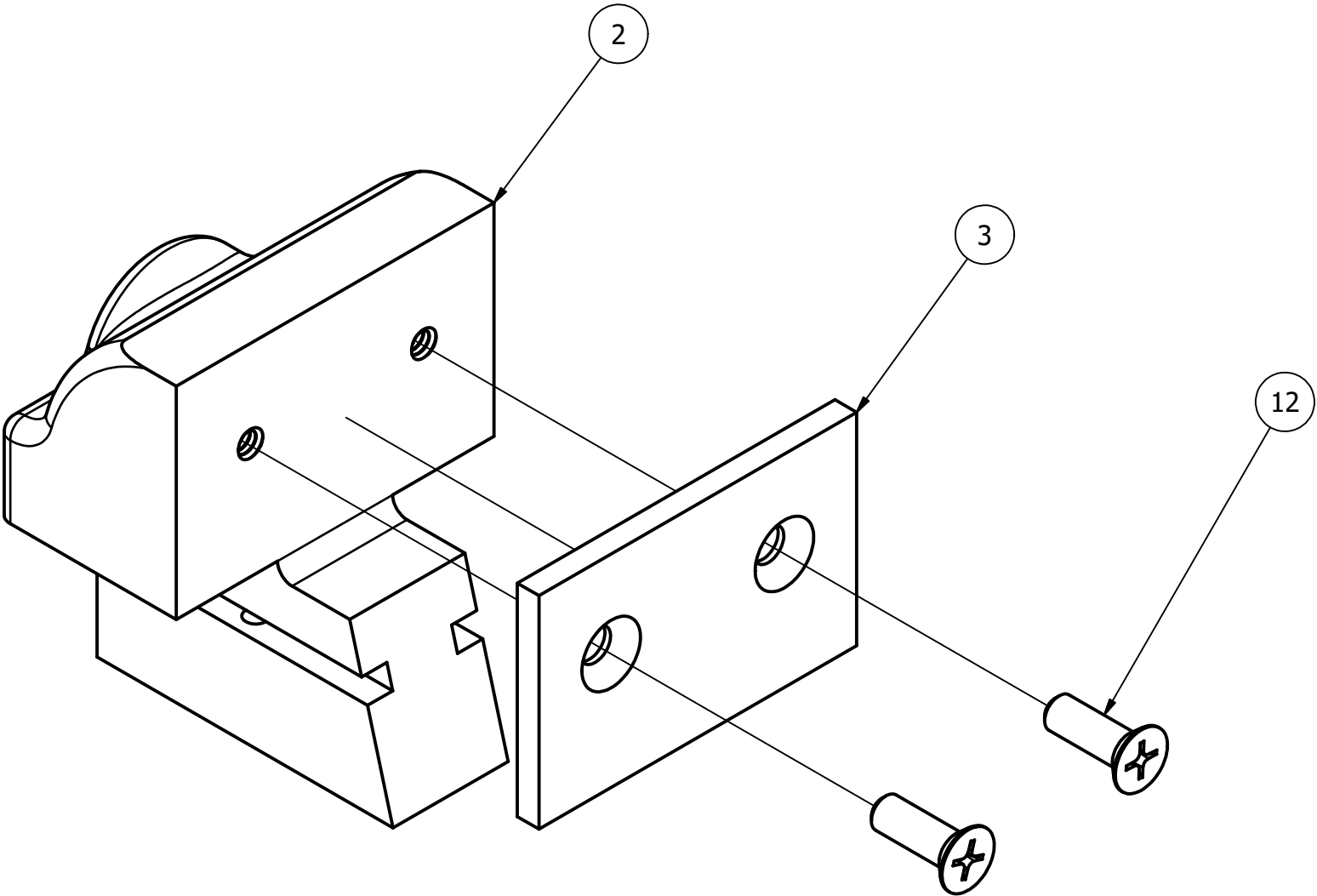
CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	N. HENDERSON
DATE:	10/4/2024
SCALE:	AS NOTED
PAGE #:	2 OF 9

PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	SLIDING JAW
3	2	JAW PLATE
12	4	MACHINE SCREW



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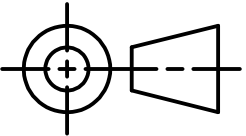
STEP 2
SCALE 1 : 1

GENERAL NOTES:

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

LEGEND:

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



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

CLASS: DDGT 240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

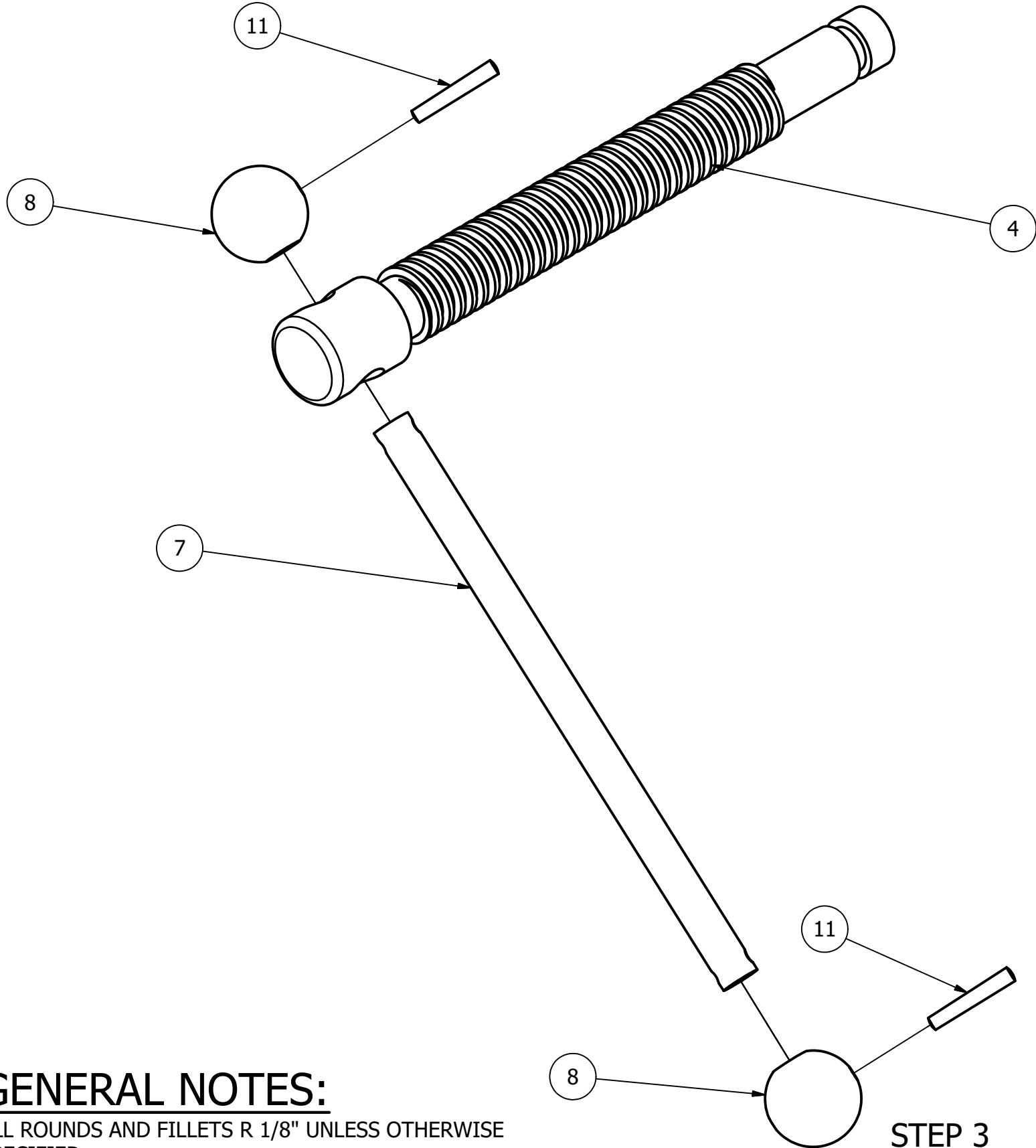
MANAGER: G. STROMMEN

DRAFTER: N. HENDERSON

DATE: 10/4/2024

SCALE: AS NOTED

PAGE #: 3 OF 9



GENERAL NOTES:

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

STEP 3
SCALE 1 : 1

PARTS LIST		
ITEM	QTY	PART NUMBER
4	1	WISE SCREW
7	1	HANDLE ROD
8	2	HANDLE BALL
11	2	TAPER PIN

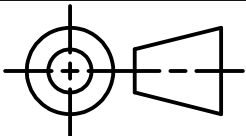
LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- SPOTFACE/
COUNTERBORE
- ✓ COUNTERSINK
- ▽ DEPTH



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

CLASS: DDGT 240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

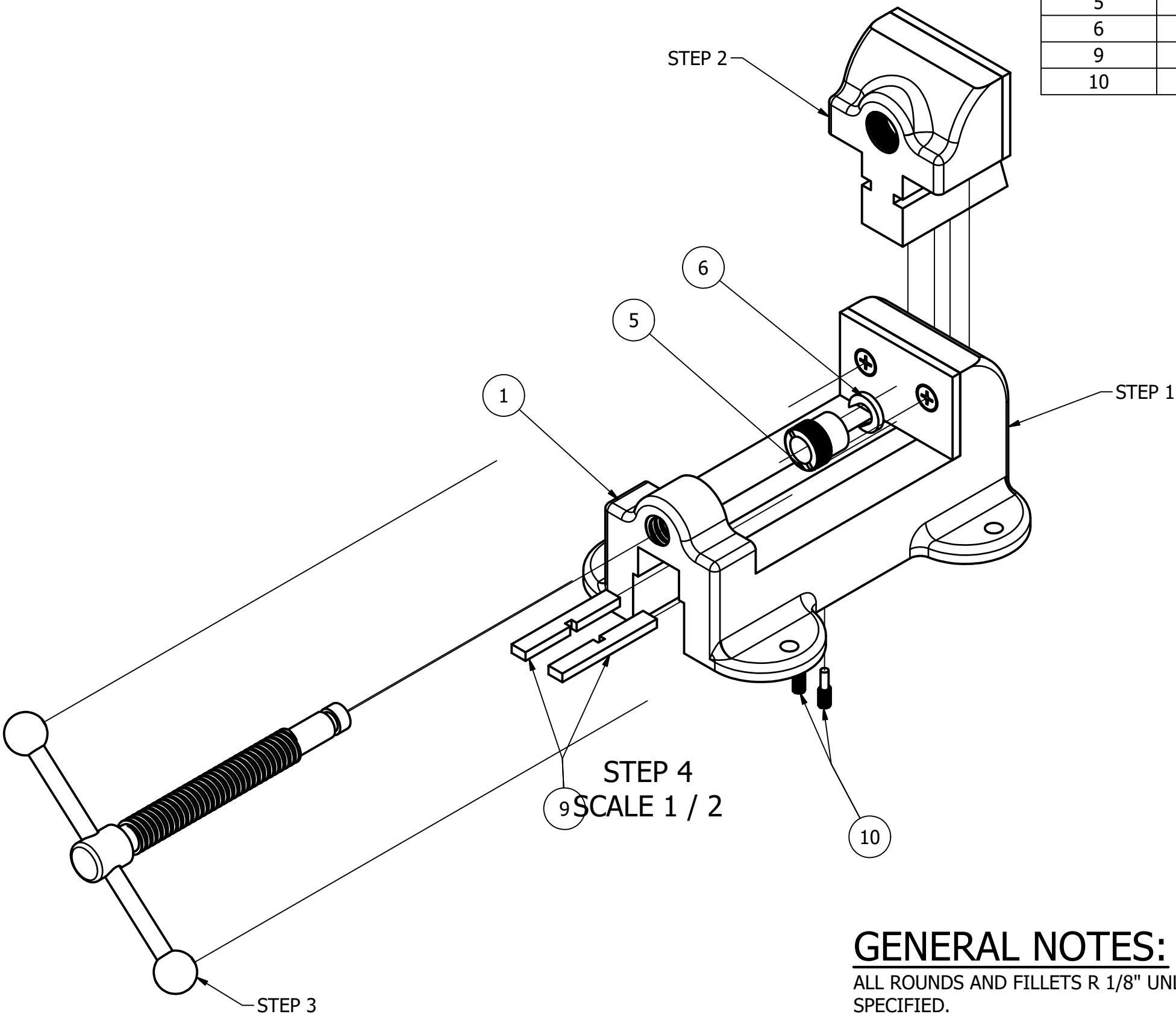
MANAGER: G. STROMMEN

DRAFTER: N. HENDERSON

DATE: 10/4/2024

SCALE: AS NOTED

PAGE #: 4 OF 9

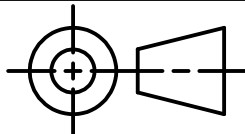


PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
5	1	COLLAR
6	1	SPECIAL KEY
9	2	SLIDE KEY
10	2	SET SCREW



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

LEGEND:

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

GENERAL NOTES:

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

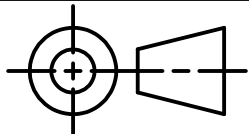
CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	N. HENDERSON
DATE:	10/4/2024
SCALE:	AS NOTED
PAGE #:	5 OF 9

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE



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

CLASS: DDGT 240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

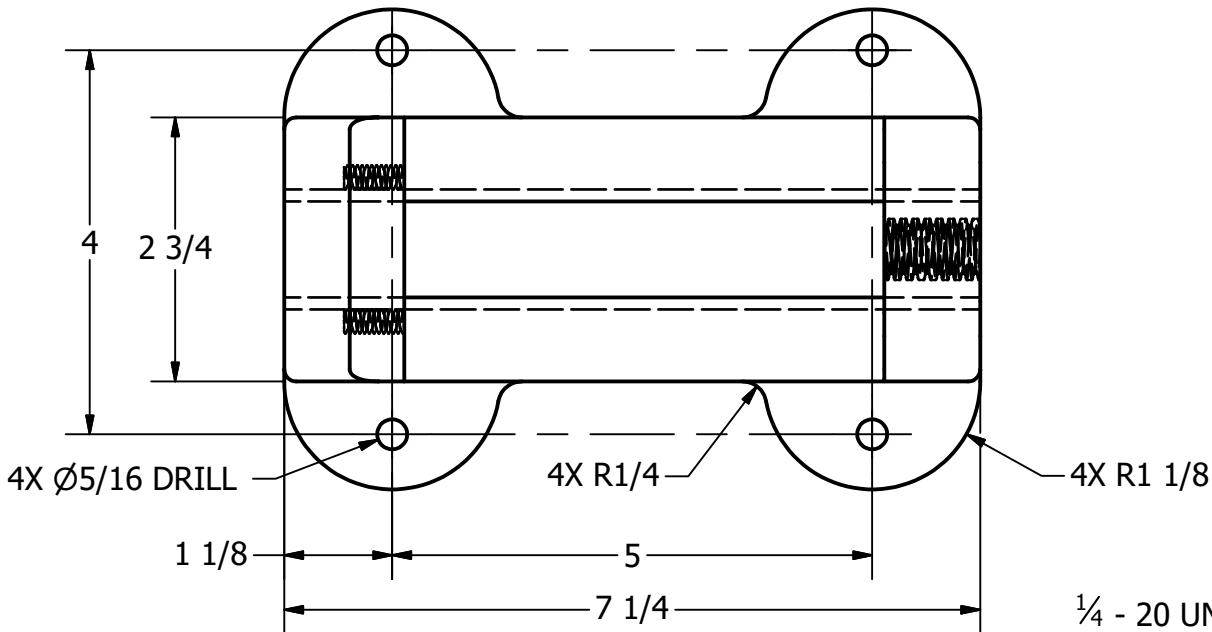
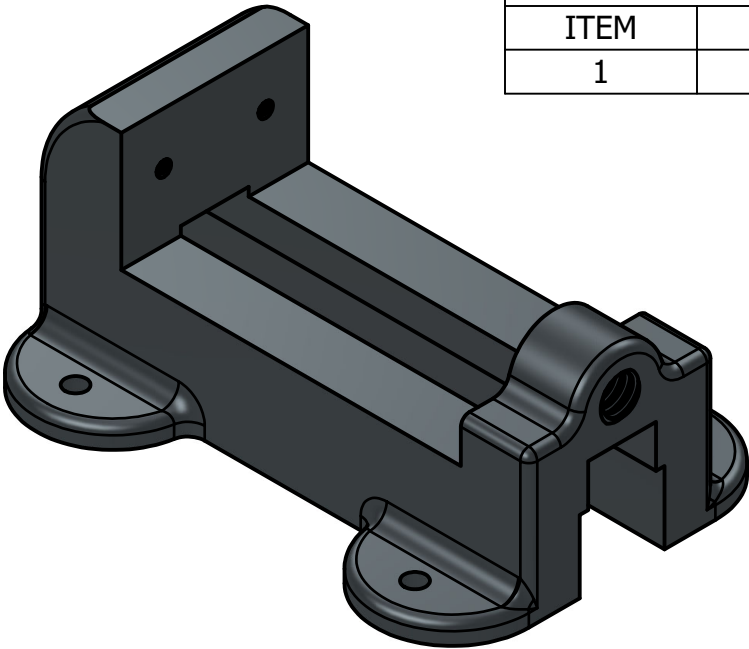
MANAGER: G. STROMMEN

DRAFTER: N. HENDERSON

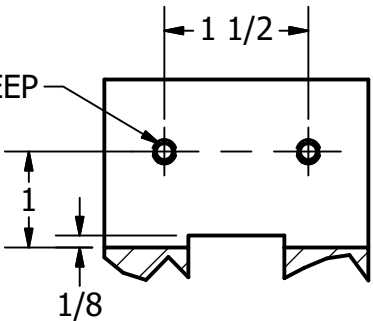
DATE: 10/4/2024

SCALE: AS NOTED

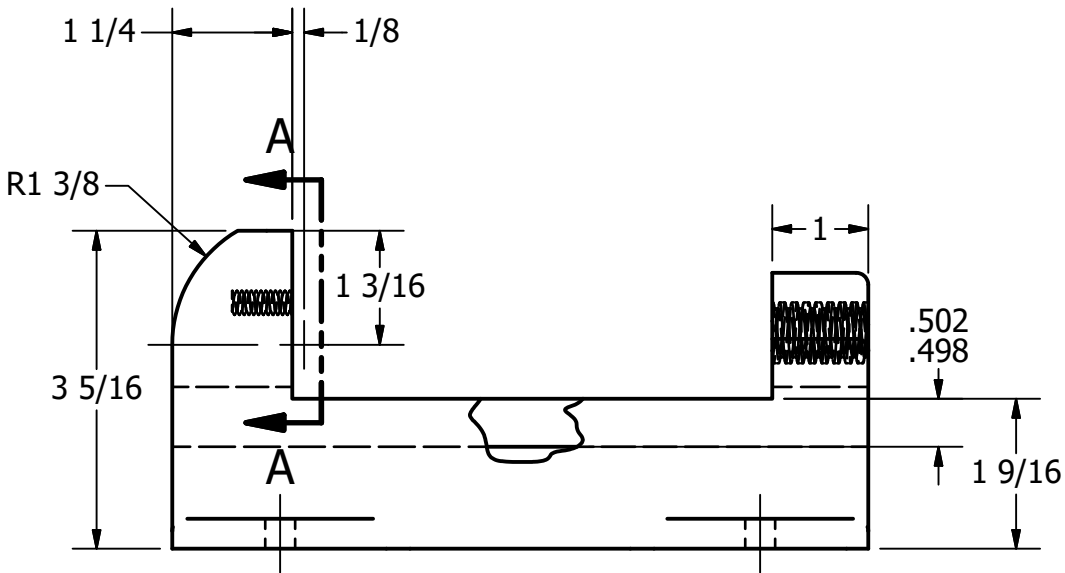
PAGE #: 6 OF 9



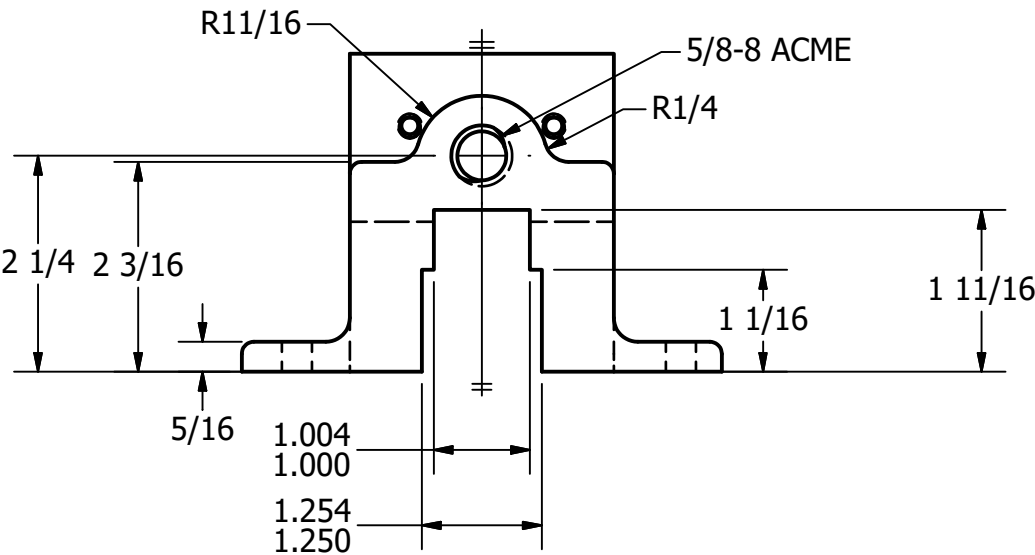
1/4 - 20 UNC - 2B 5/8 DEEP



SECTION A-A
SCALE 1 / 2



BASE
SCALE 1 / 2



LEGEND:

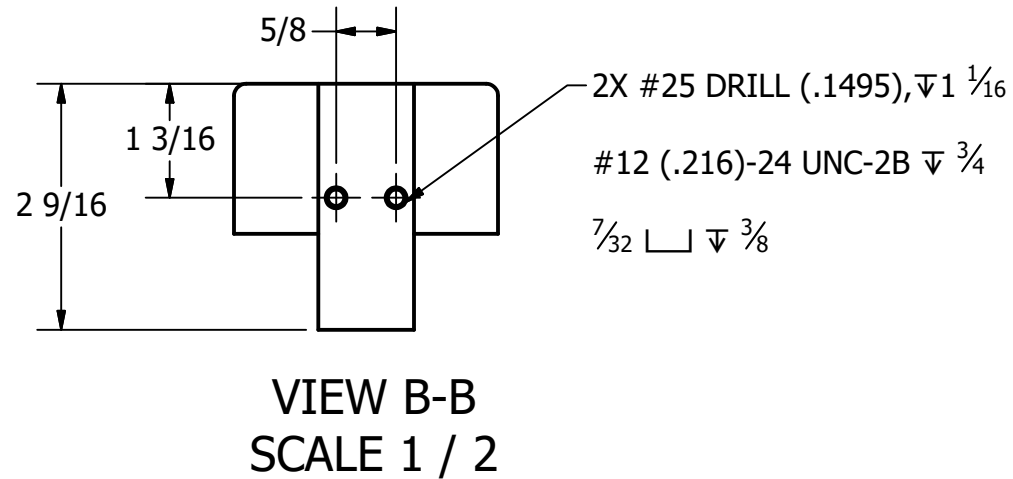
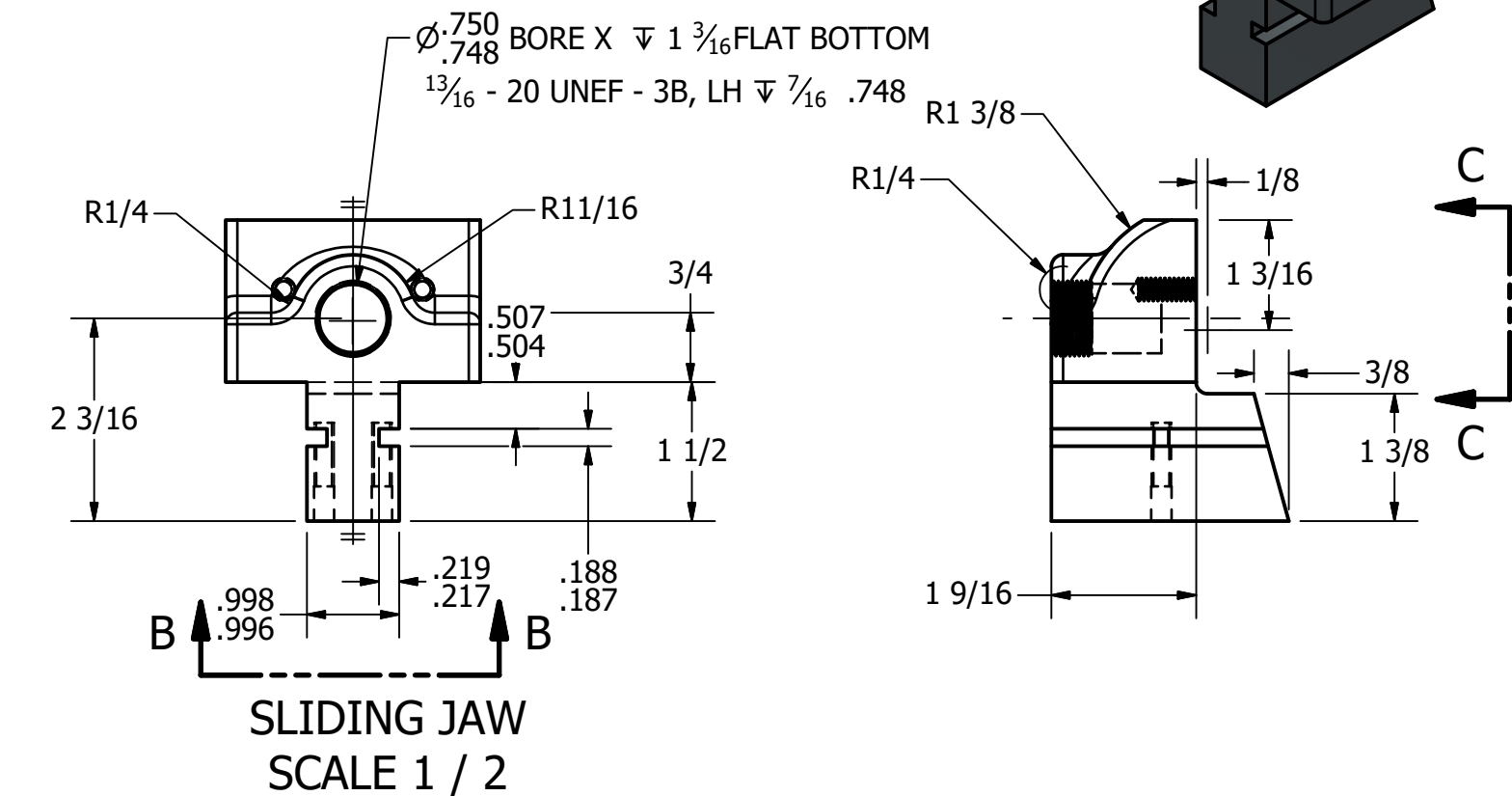
- Ø DIAMETER
- R RADIUS
- ° DEGREES
- SPOTFACE/
COUNTERBORE
- ✓ COUNTERSINK
- ▽ DEPTH

GENERAL NOTES:

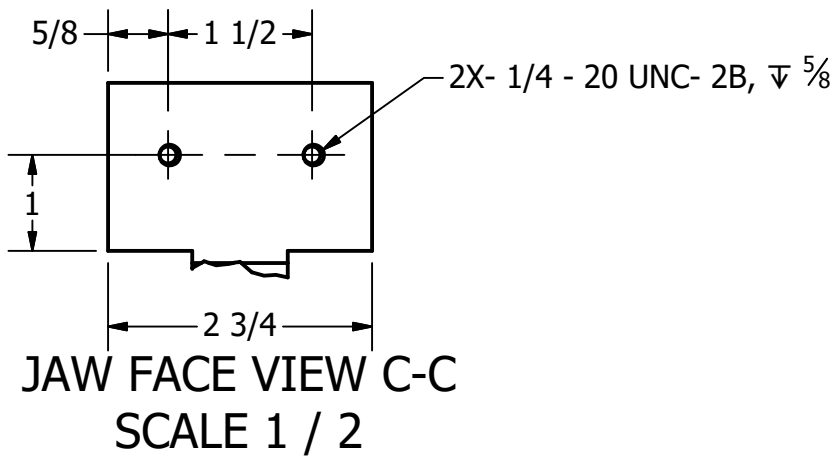
ALL ROUNDS AND FILLETS R 1/8" UNLESS OTHERWISE SPECIFIED.

GENERAL NOTES:

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



PARTS LIST		
ITEM	QTY	PART NUMBER
2	1	SLIDING JAW



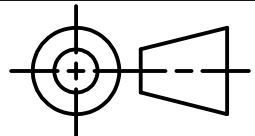
LEGEND:

- $\varnothing$ DIAMETER
- R RADIUS
- $^\circ$ DEGREES
- $\sqcap$ SPOTFACE/COUNTERBORE
- $\sphericalangle$ COUNTERSINK
- $\varnothing$ DEPTH



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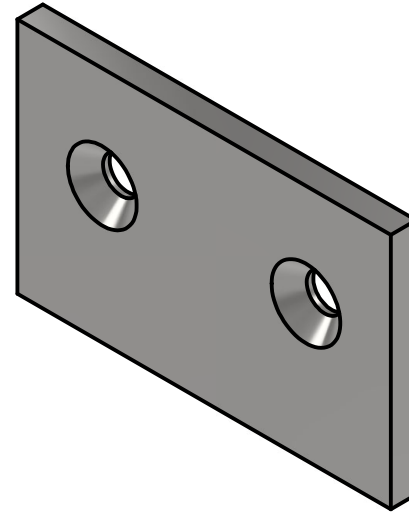
WWW.DDGT.NET



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

CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	N. HENDERSON
DATE:	10/4/2024
SCALE:	AS NOTED
PAGE #:	7 OF 9

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

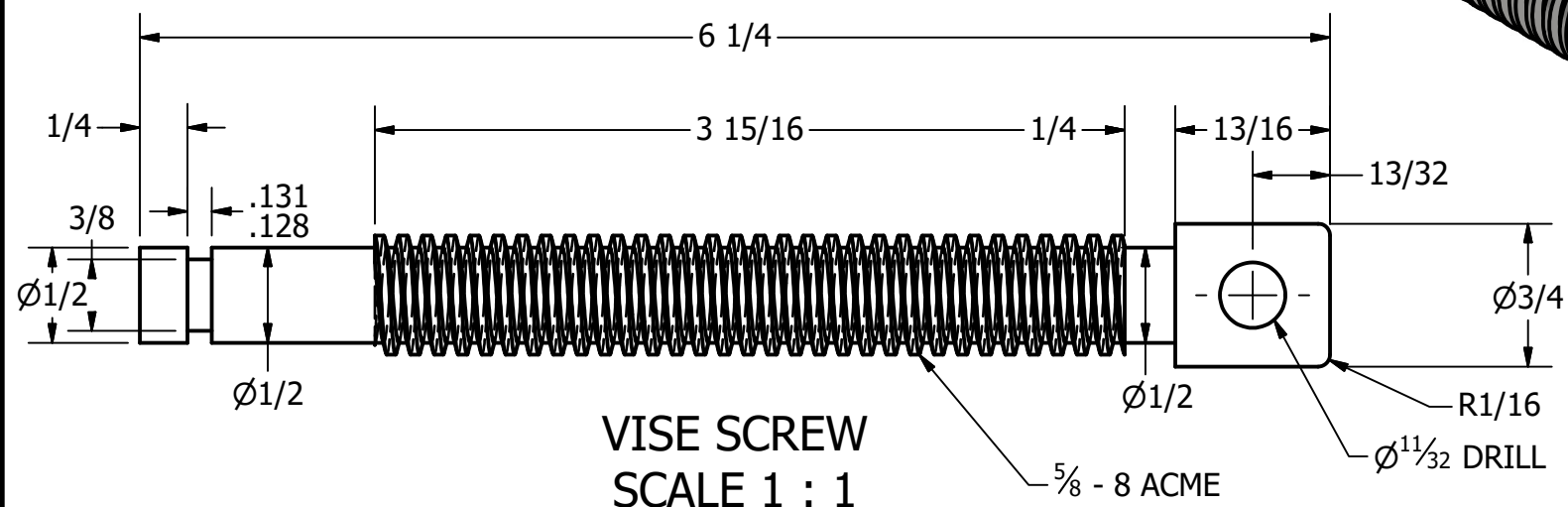
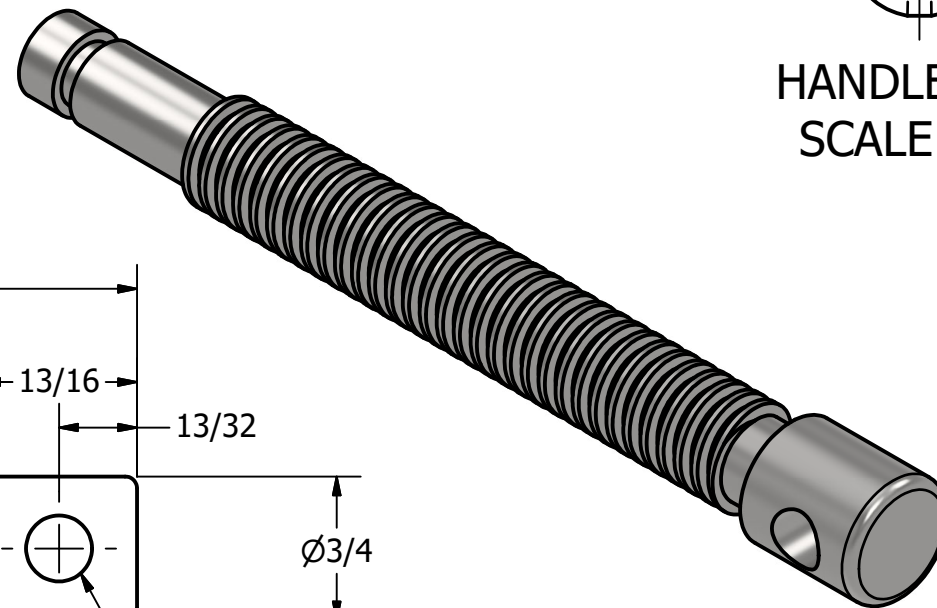
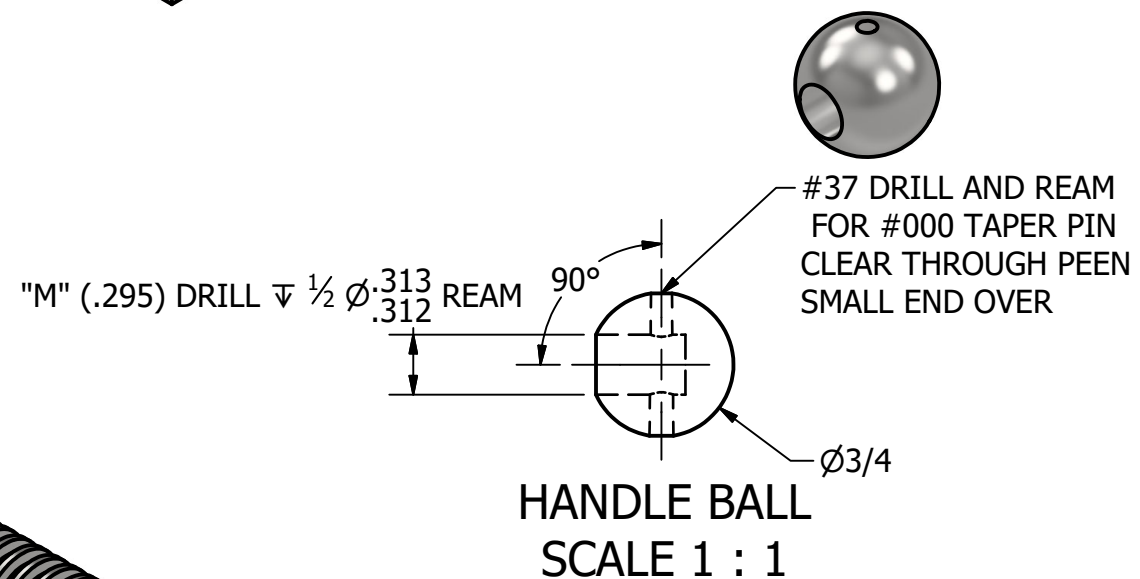


PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE
4	1	WISE SCREW
8	2	HANDLE BALL



DIGITAL DESIGN
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TECHNOLOGY

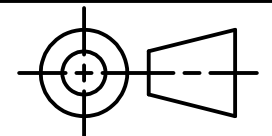
WWW.DDGT.NET



LEGEND:

- | | |
|---|--------------------------|
| Ø | DIAMETER |
| R | RADIUS |
| ° | DEGREES |
| ⌊ | SPOTFACE/
COUNTERBORE |
| ∨ | COUNTERSINK |
| ⌞ | DEPTH |

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



CLASS: DDGT 240

ASSIGNMENT #:	38
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INVENTOR DRAWING NAME:

MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: N. HENDERSON

DATE: 10/4/2024

SCALE: AS NOTED

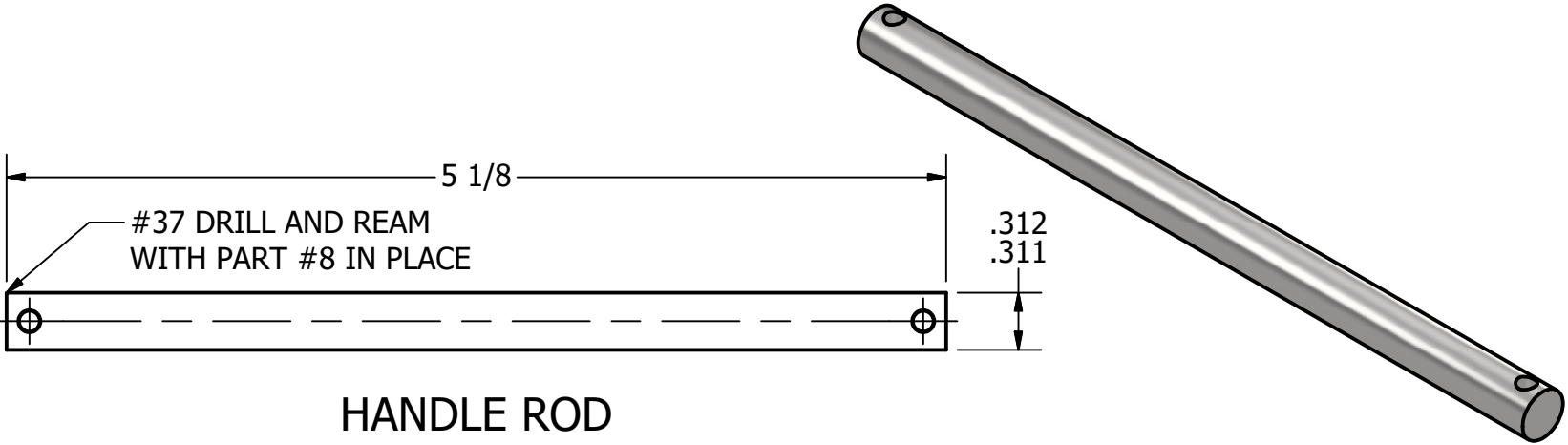
PAGE #: 8 OF 9

PARTS LIST		
ITEM	QTY	PART NUMBER
5	1	COLLAR
6	1	SPECIAL KEY
7	1	HANDLE ROD
9	2	SLIDE KEY
10	2	SET SCREW

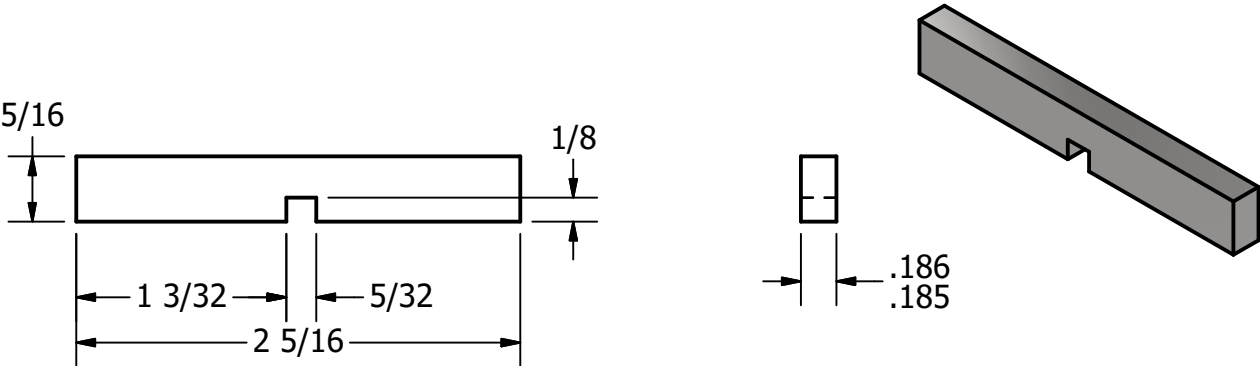


DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

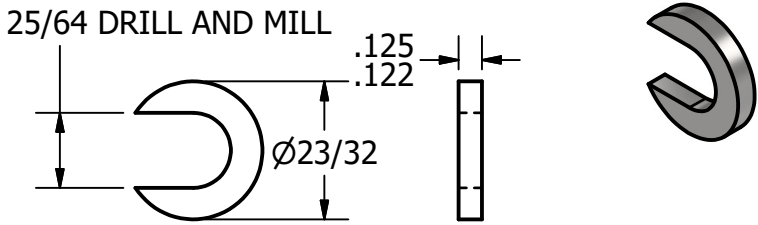
WWW.DDGT.NET



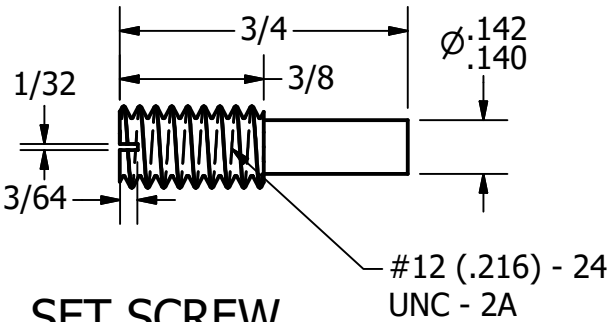
HANDLE ROD
SCALE 1 : 1



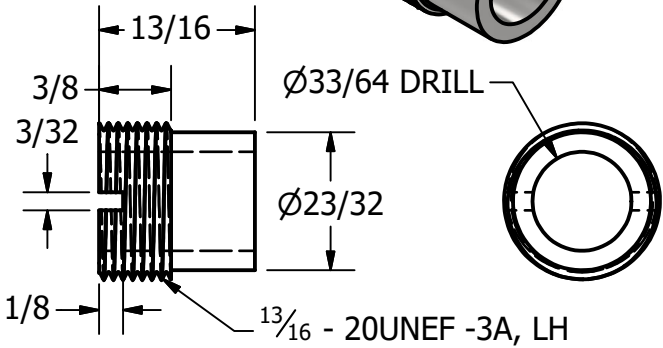
SLIDE KEY
SCALE 1 : 1



SPECIAL KEY
SCALE 1 : 1



SET SCREW
SCALE 2 : 1

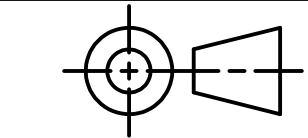


COLLAR
SCALE 1 : 1

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- SPOTFACE/
COUNTERBORE
- ∨ COUNTERSINK
- ∇ DEPTH

GENERAL NOTES:
ALL ROUNDS AND FILLETS R 1/8" UNLESS OTHERWISE SPECIFIED.



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

CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	N. HENDERSON
DATE:	10/4/2024
SCALE:	AS NOTED
PAGE #:	9 OF 9