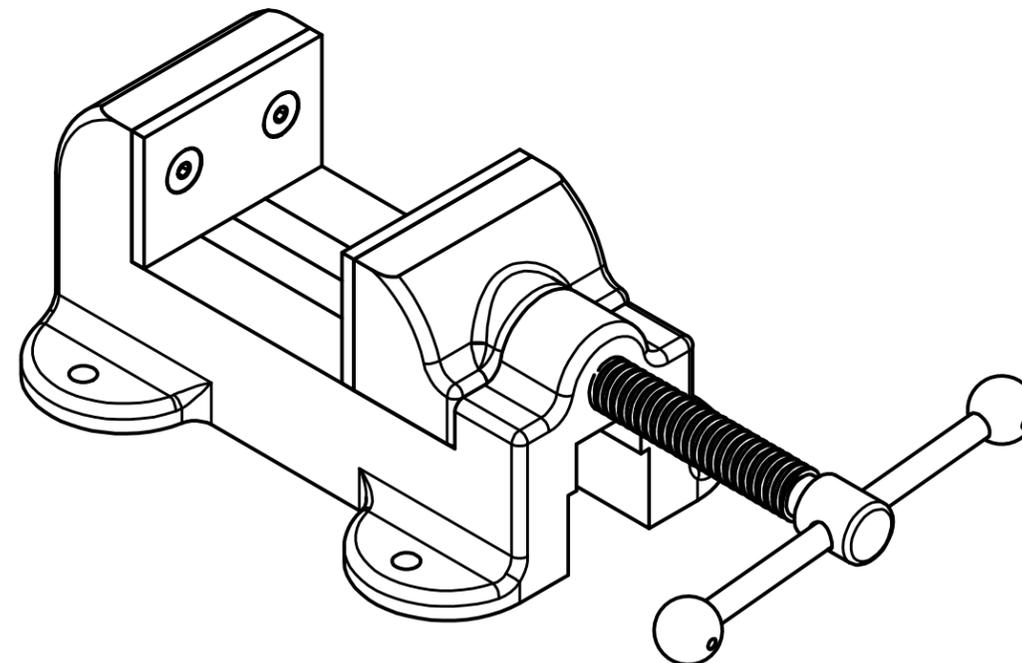


GENERAL NOTES:

FILLETS AND ROUNDS R 1/8 UNLESS SPECIFIED OTHERWISE

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	4	HEX DRIVE FLAT HEAD SCREW	STAINLESS STEEL	MCMaster CARR 92210A540 1/4-20UNC, 3/4" LONG
12	2	TAPER PIN	STAINLESS STEEL	#000, 3/4" LONG



MACHINE VISE
SCALE 1 / 2

LEGEND:

Ø DIAMETER
R RADIUS

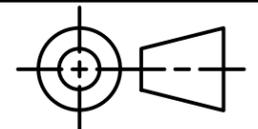


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XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES ³²✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 1 OF 7

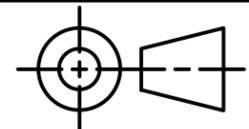


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ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

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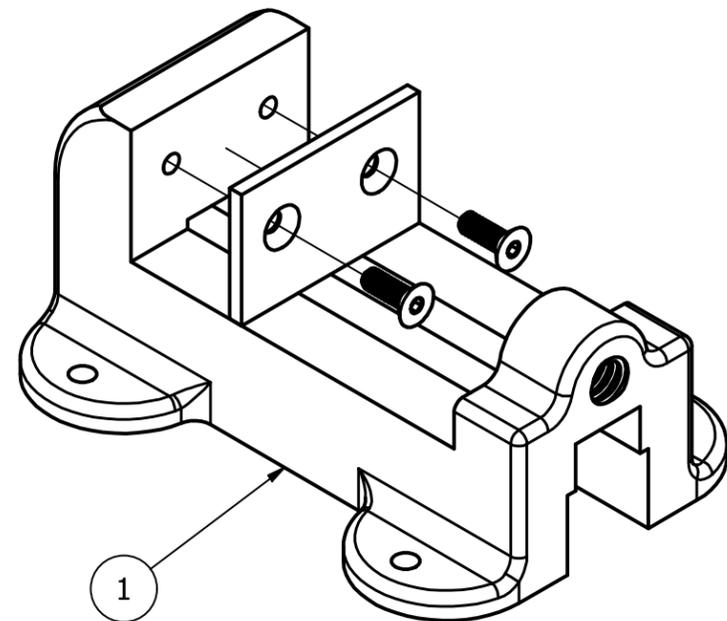
DRAFTER: J.LEMUS

DATE: 10/3/2025

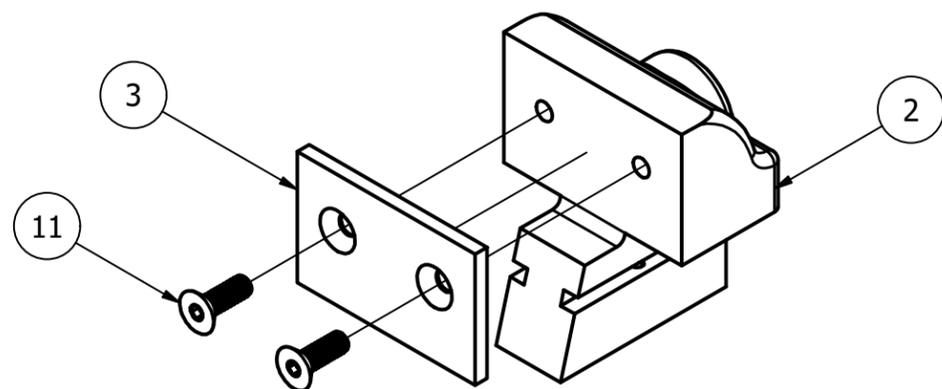
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PAGE #: 2 OF 7

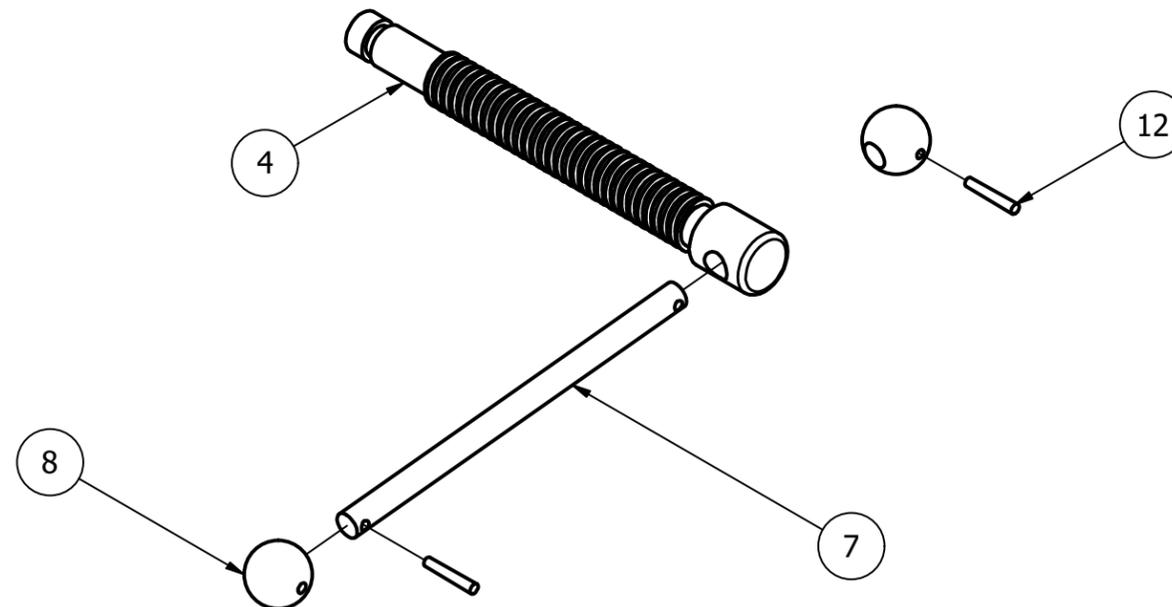
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BASE	
2	1	SLIDING JAW	
3	2	JAW PLATE	
4	1	WISE SCREW	
5	1	COLLAR	
6	1	SPECIAL KEY	
7	1	HANDLE ROD	
8	2	HANDLE BALL	
9	2	SLIDE KEY	
10	2	SET SCREW	
11	4	HEX DRIVE FLAT HEAD SCREW	MCMaster CARR 92210A540 1/4-20UNC, 3/4" LONG
12	2	TAPER PIN	#000, 3/4" LONG



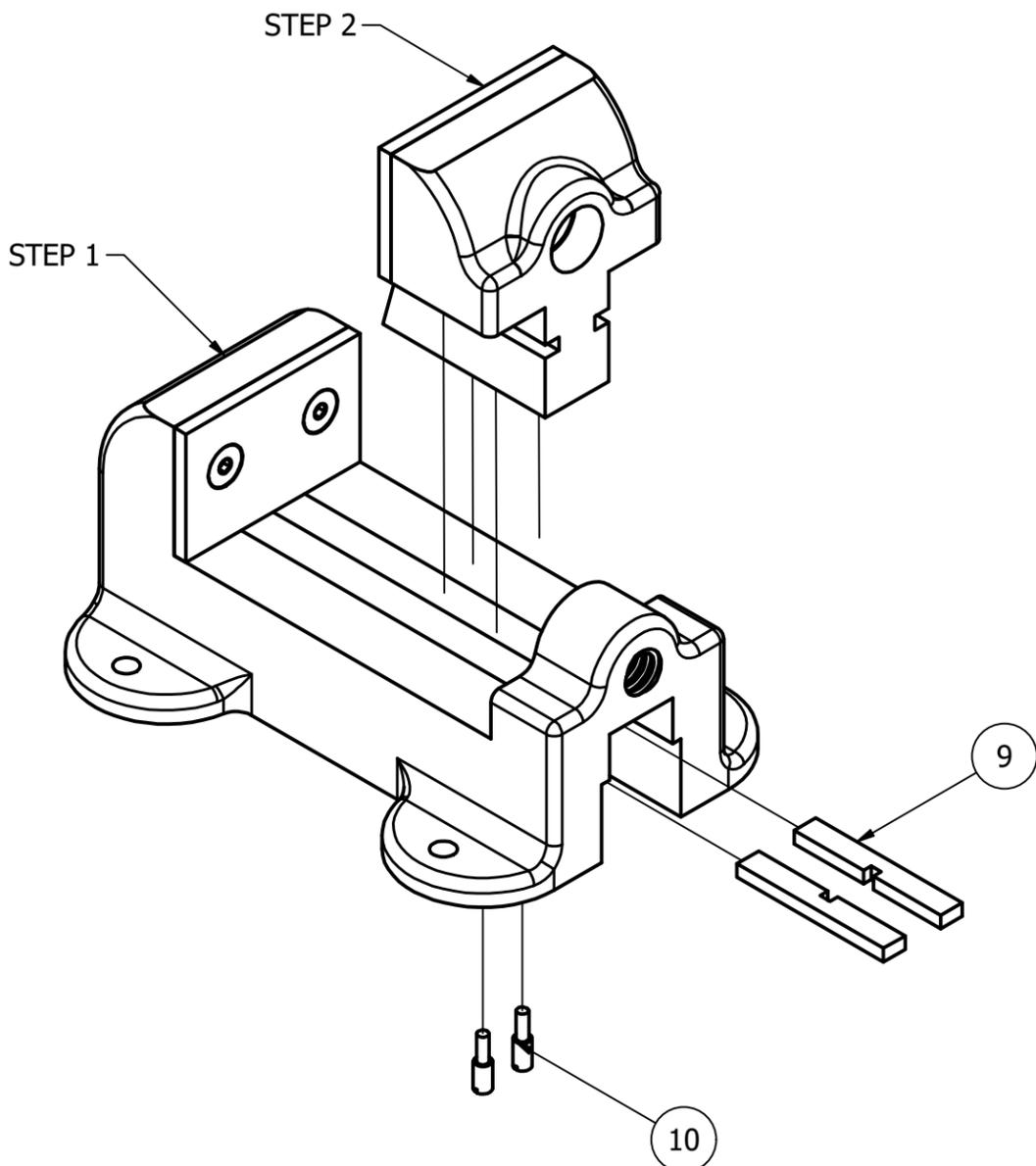
STEP 1
SCALE 1 / 2



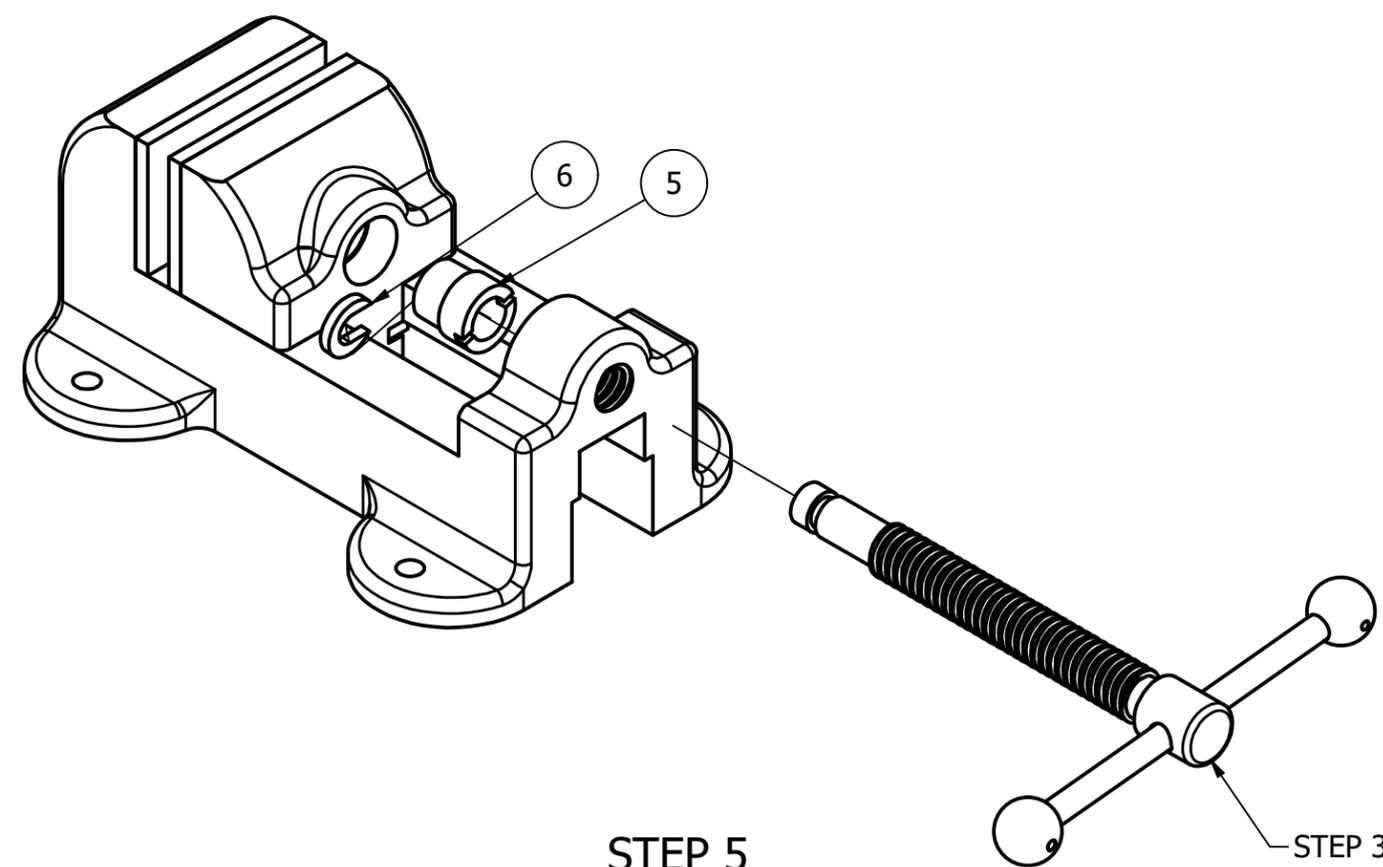
STEP 2
SCALE 1 / 2



STEP 3
SCALE 1 / 2



STEP 4
SCALE 1 / 2



STEP 5
SCALE 1 / 2

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
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	HEX DRIVE FLAT HEAD SCREW	MCMaster CARR 92210A540 1/4-20UNC, 3/4" LONG
12	2	TAPER PIN	#000, 3/4" LONG

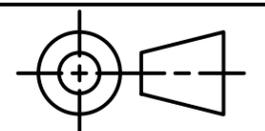


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SURFACES 32 ✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

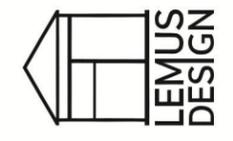
PAGE #: 3 OF 7

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE

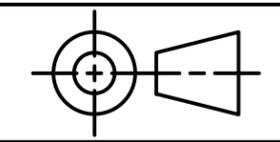


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ANGLES ±1 DEGREE
SURFACES 32 ✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:

MACHINE VISE

FIG #: 14-71

MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

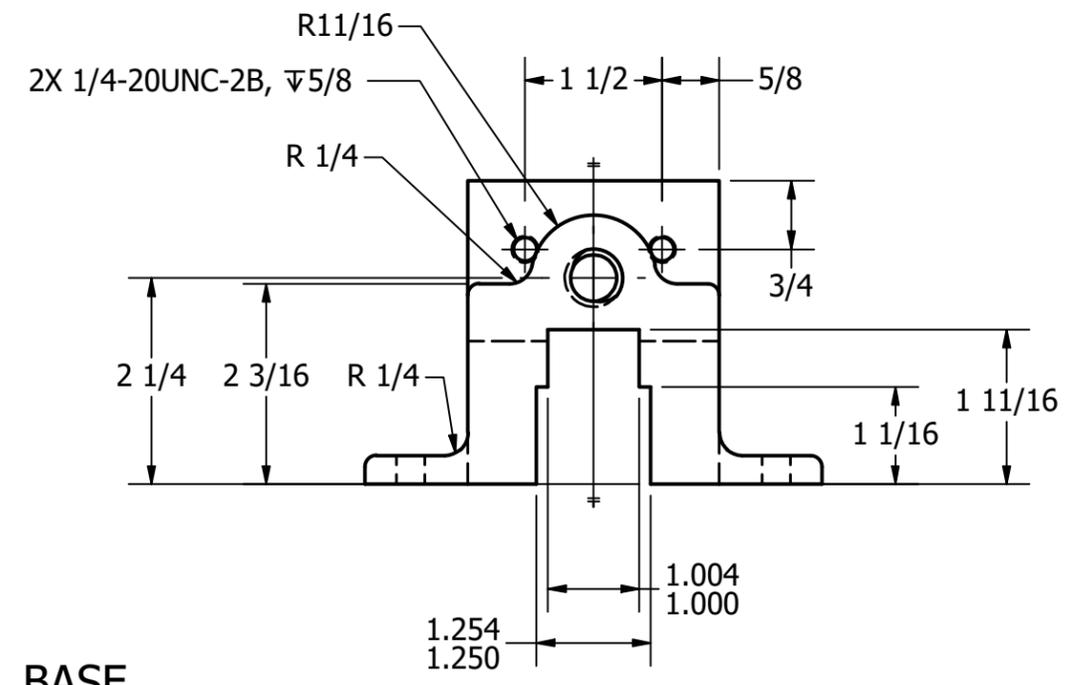
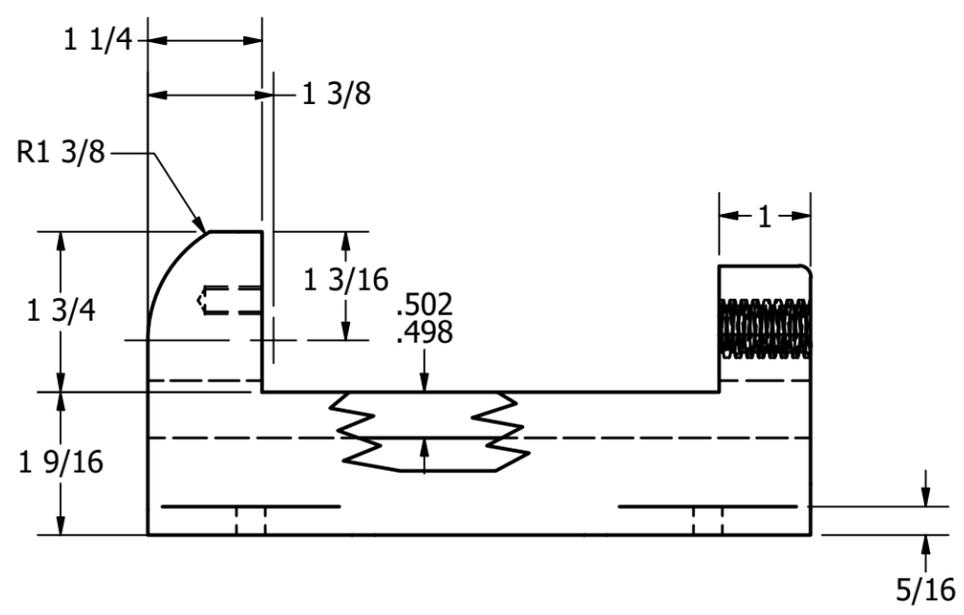
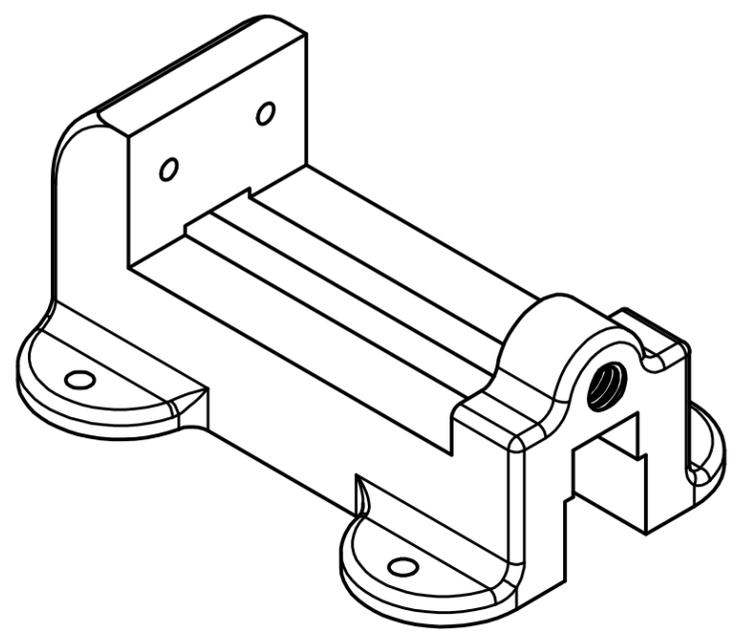
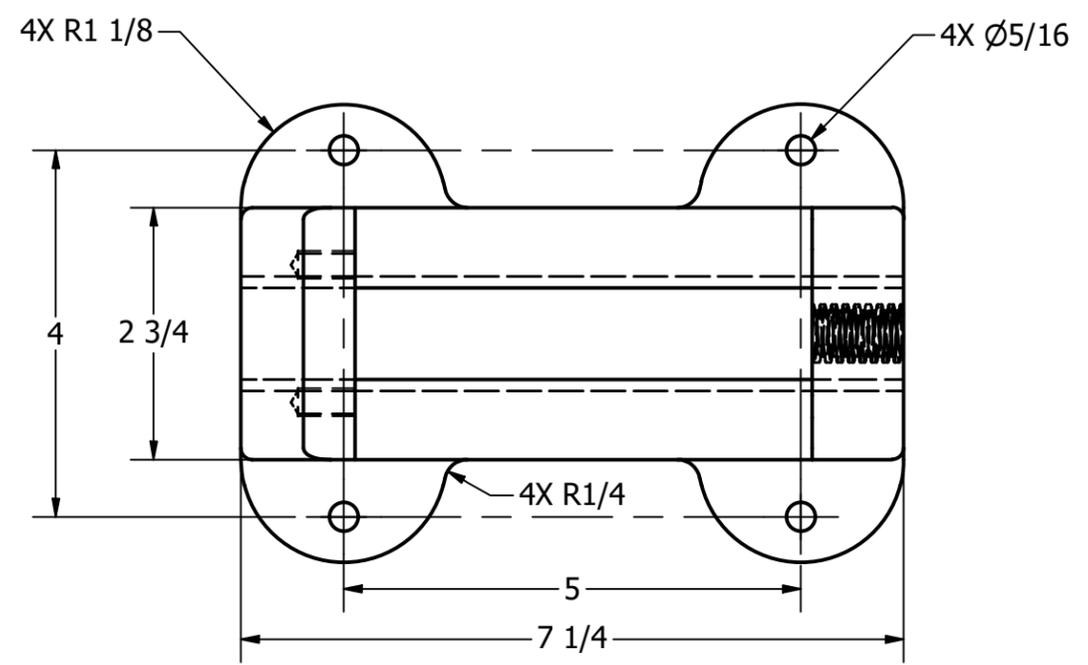
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SCALE: AS NOTED

PAGE #: 4 OF 7

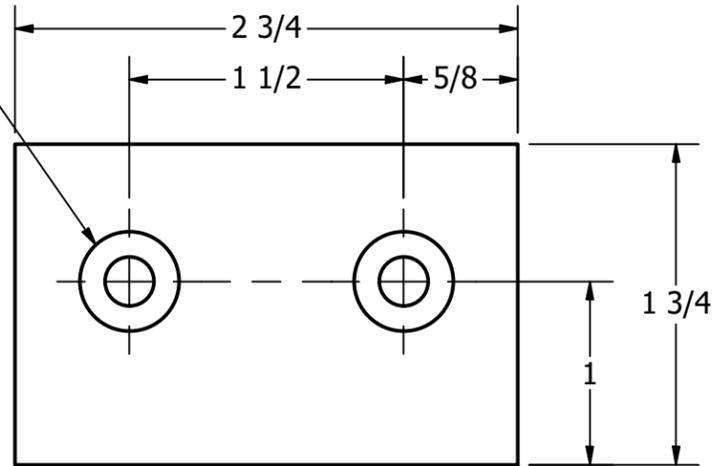
LEGEND:

Ø DIAMETER
R RADIUS

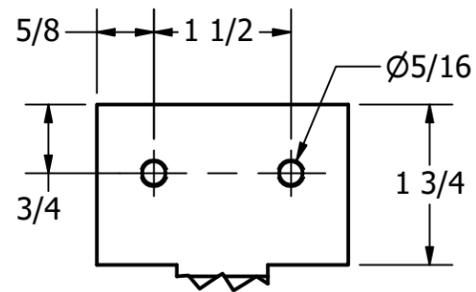


BASE
SCALE 1 / 2

DRILL AND CSK FOR
1/4 FL HD MACH SCR

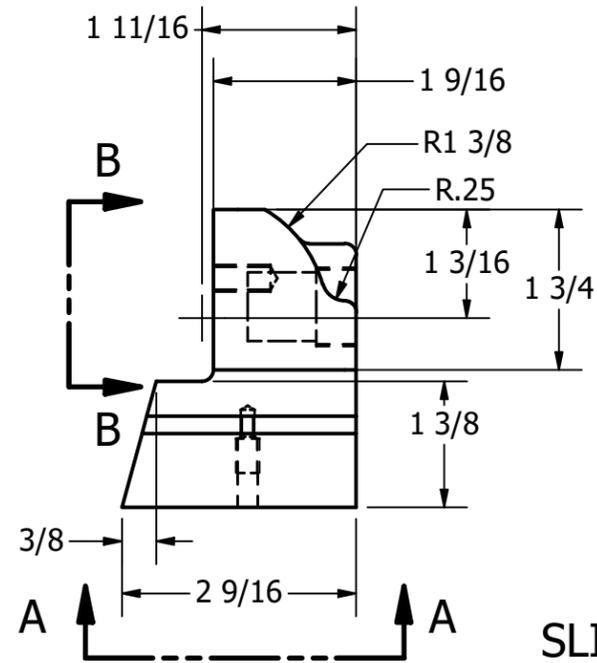


JAW PLATE
SCALE 1 : 1

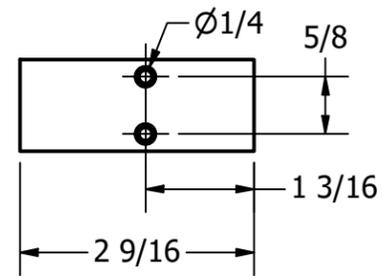


VIEW B-B

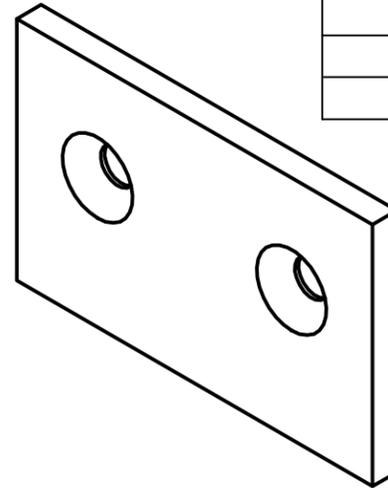
2X #25 DRILL (.1495), ∇ 1 1/16
#12 (.216)-24UNC-2B. ∇ 3/4
 \perp Ø7/32, ∇ 3/8



SLIDING JAW
SCALE 1 / 2



VIEW A-A



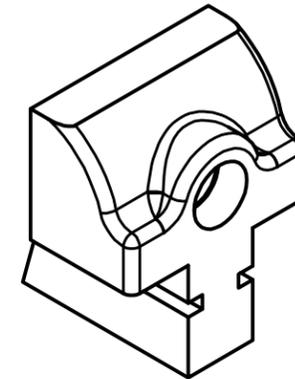
3/16

PARTS LIST

ITEM	QTY	PART NUMBER
2	1	SLIDING JAW
3	2	JAW PLATE

LEGEND:

Ø DIAMETER
R RADIUS



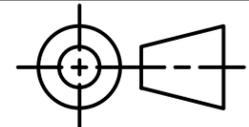
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SURFACES 32 ✓

CLASS: DDGT240

ASSIGNMENT #: 38

INVENTOR DRAWING NAME:
MACHINE VISE

FIG #: 14-71

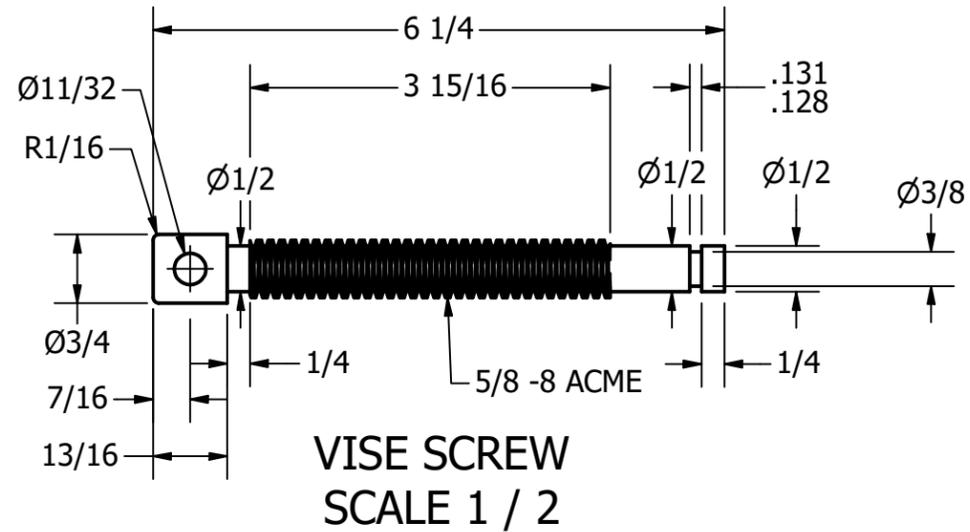
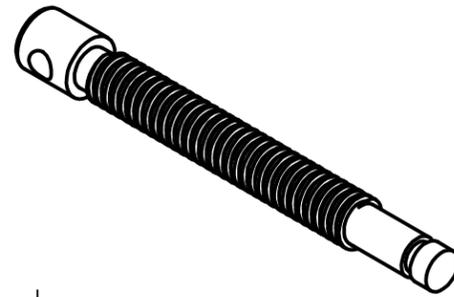
MANAGER: G. STROMMEN

DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

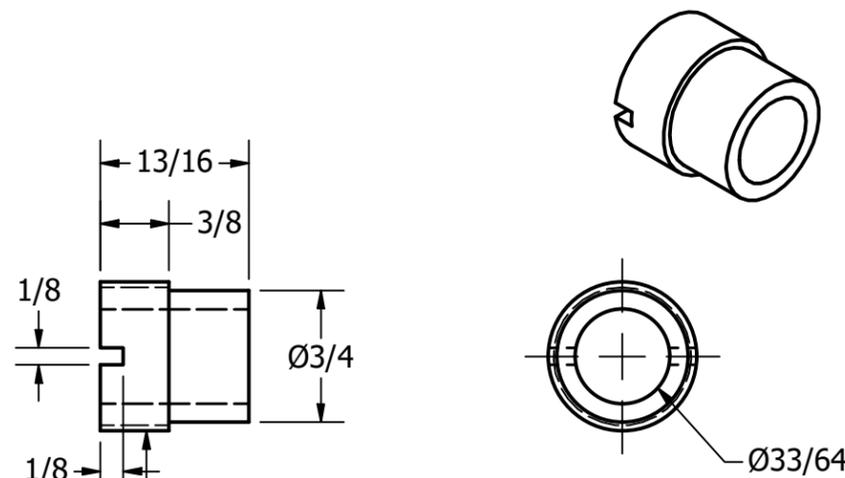
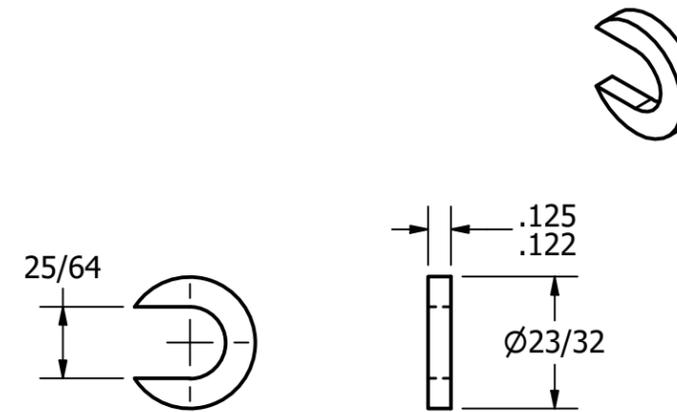
PAGE #: 5 OF 7



PARTS LIST		
ITEM	QTY	PART NUMBER
4	1	VICE SCREW
5	1	COLLAR
6	1	SPECIAL KEY

LEGEND:

Ø DIAMETER
R RADIUS



13/16 - 20UNEF-3A, LH

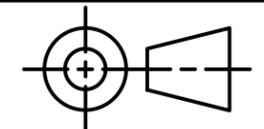


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FIG #: 14-71

MANAGER: G. STROMMEN

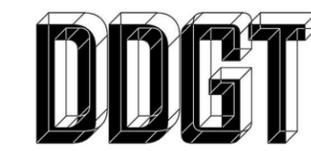
DRAFTER: J.LEMUS

DATE: 10/3/2025

SCALE: AS NOTED

PAGE #: 6 OF 7

PARTS LIST		
ITEM	QTY	PART NUMBER
7	1	HANDLE ROD
8	2	HANDLE BALL
9	2	SLIDE KEY
10	2	SET SCREW

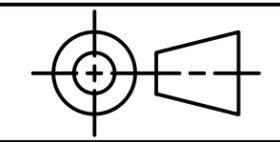


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FIG #: 14-71

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DRAFTER: J.LEMUS

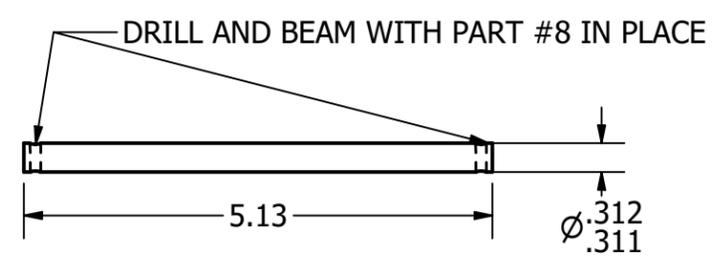
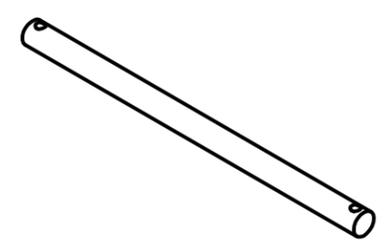
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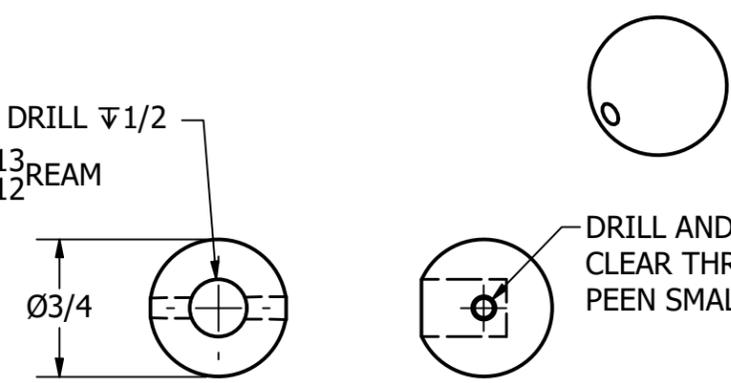
LEGEND:

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R RADIUS

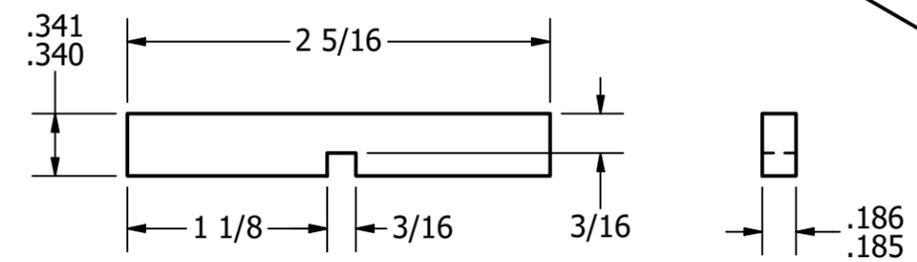
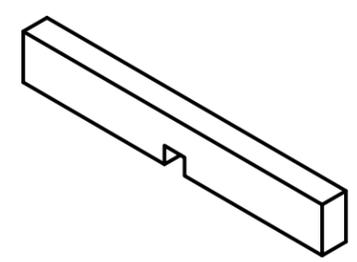


HANDLE ROD
SCALE 1 / 2

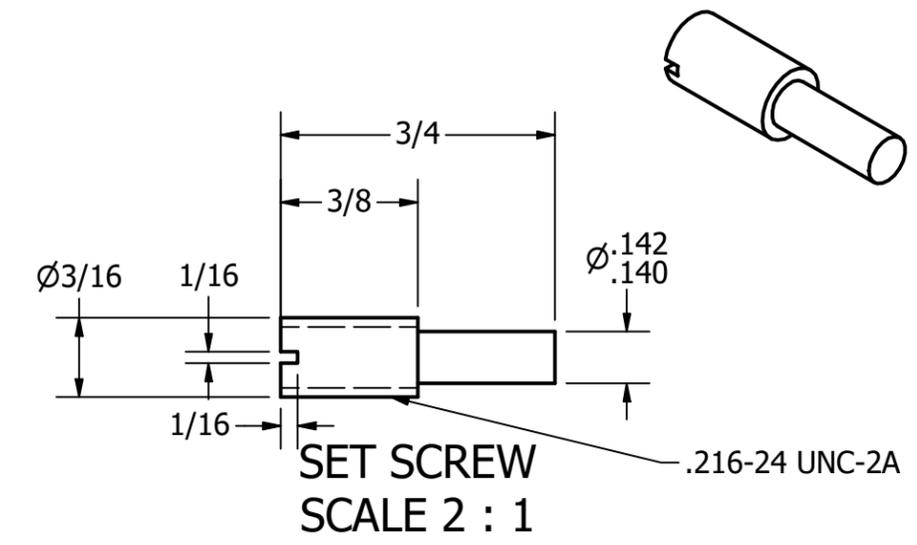
"M"(.295) DRILL ∇1/2
Ø.313 REAM
Ø.312



HANDLE BALL
SCALE 1 : 1



SLIDE KEY
SCALE 1 : 1



SET SCREW
SCALE 2 : 1