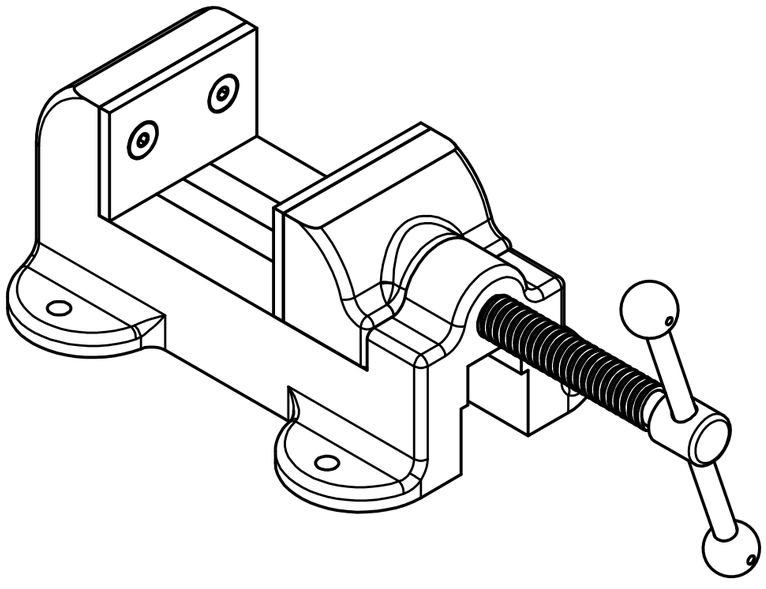
PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	CAST IRON	
2	1	SLIDING JAW	SAE 1020	
3	2	JAW PLATE	SAE 3140	
4	1	VISE SCREW	SAE 3140	
5	1	COLLAR	SAE 1020	
6	1	SPECIAL KEY	SAE 1020	
7	1	HANDLE ROD	COLD ROLLED STEEL	
8	2	HANDLE BALL	SAE 1020	
9	2	SLIDE KEY	SAE 1020	
10	2	SET SCREW	SAE 1016	
11	4	HEX DRIVE FLATHEAD SCREW	STAINLESS STEEL	MCMASTER CARR 92210A540 1/4-20UNC, 3/4" LONG
12	2	TAPER PIN	STAINLESS STEEL	MCMASTER CARR 90681A101 3/4" LONG



MACHINE VISE
SCALE 1 / 2

GENERAL NOTES:

ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

LEGEND:

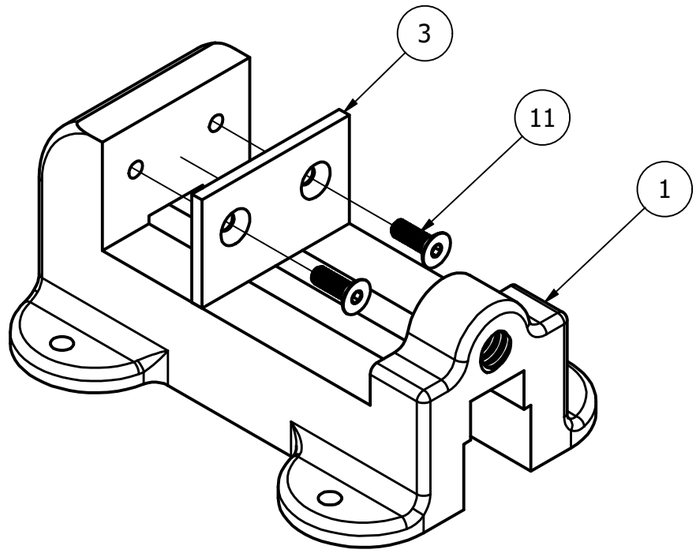
Ø DIAMETER
R RADIUS
° DEGREES
↧ DEPTH

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

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:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	1 OF 8



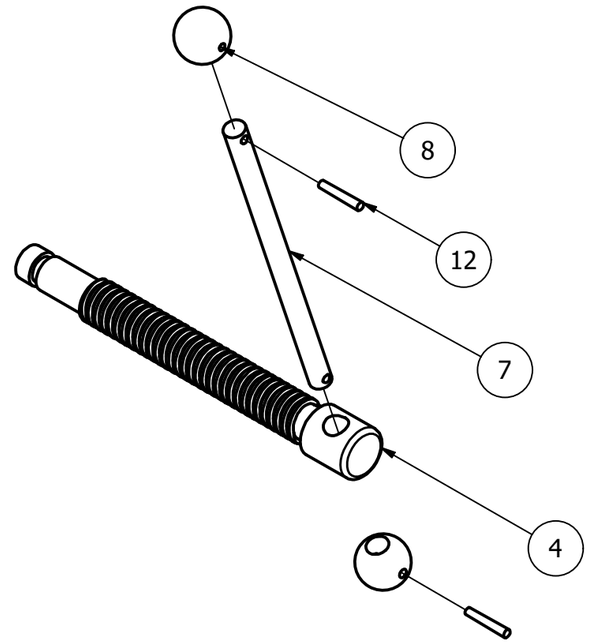
STEP 1
SCALE 1 / 2

LEGEND:

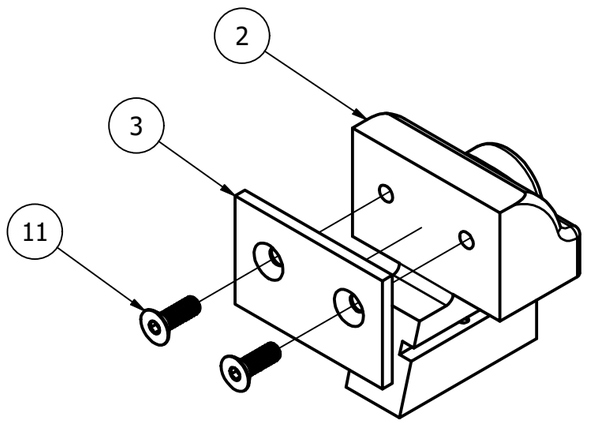
Ø DIAMETER
R RADIUS
° DEGREES

↧ DEPTH

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	SLIDING JAW
3	2	JAW PLATE
4	1	VISE 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 FLATHEAD SCREW
12	2	TAPER PIN



STEP 3
SCALE 1 / 2



STEP 2
SCALE 1 / 2

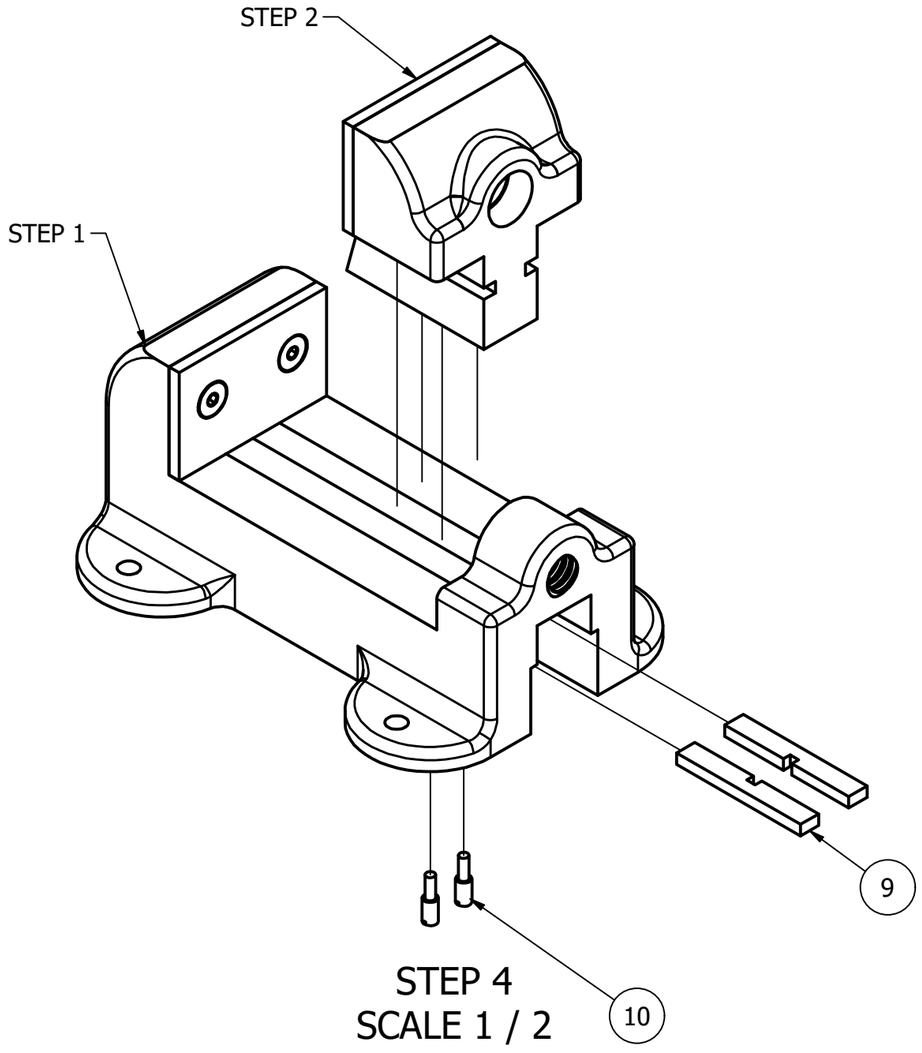
DDGT

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

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:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	2 OF 8

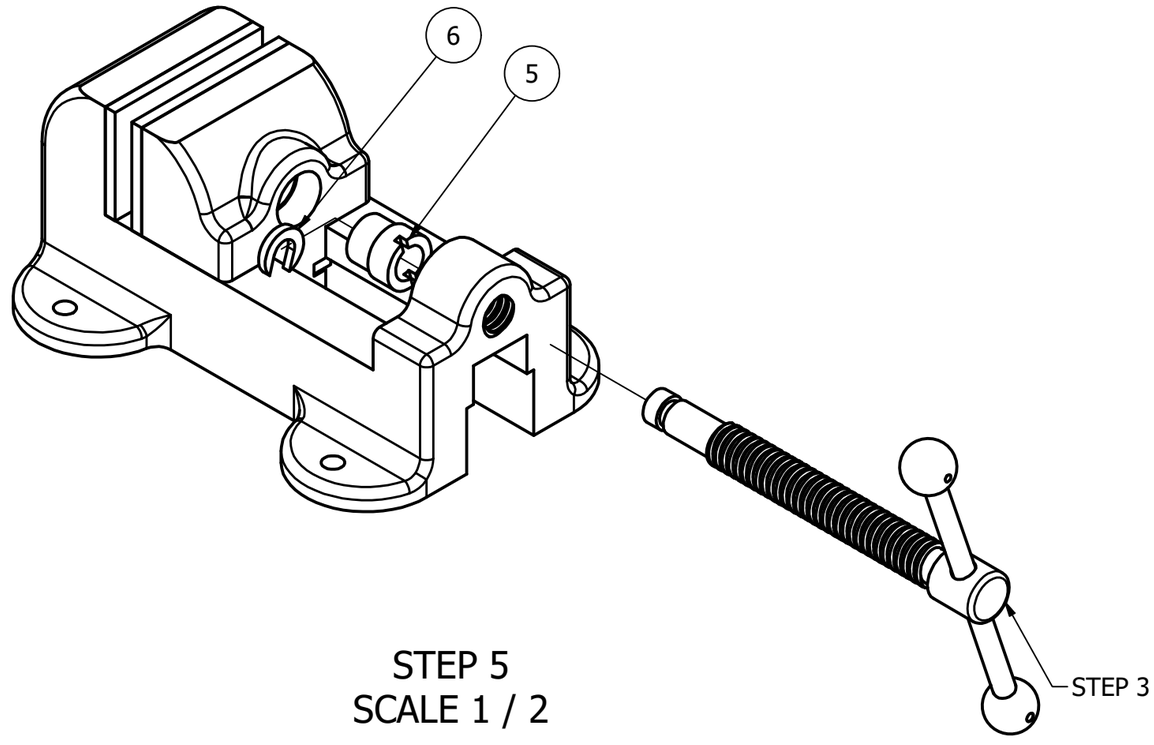


STEP 4
SCALE 1 / 2

LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES
↧ DEPTH

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	SLIDING JAW
3	2	JAW PLATE
4	1	VISE 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 FLATHEAD SCREW
12	2	TAPER PIN

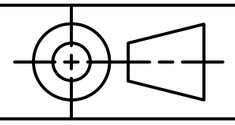


STEP 5
SCALE 1 / 2

DDGT

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET



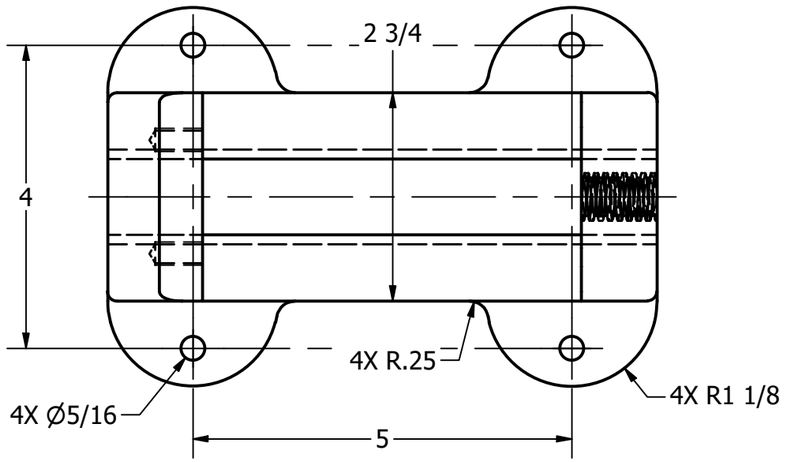
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32

CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	3 OF 8

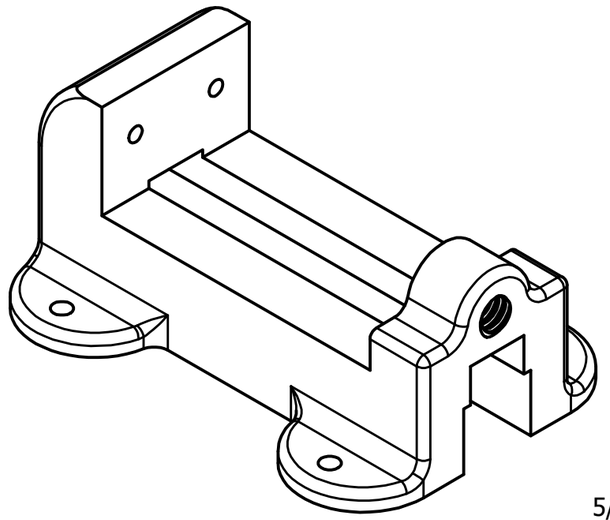
LEGEND:

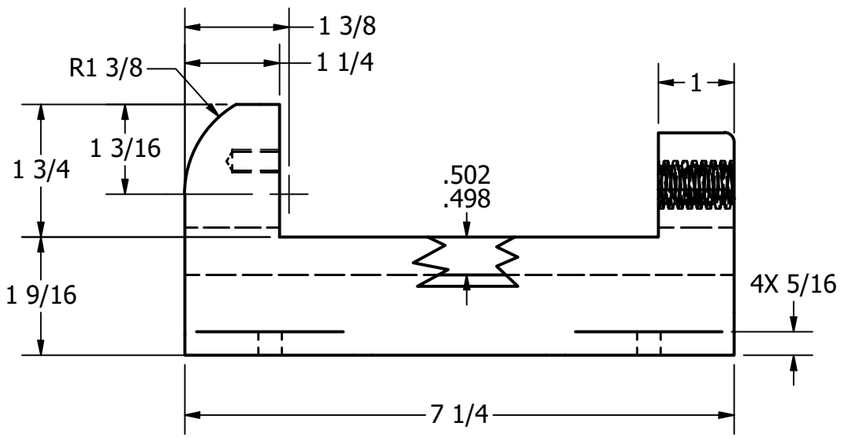
Ø DIAMETER
R RADIUS
° DEGREES
↧ DEPTH

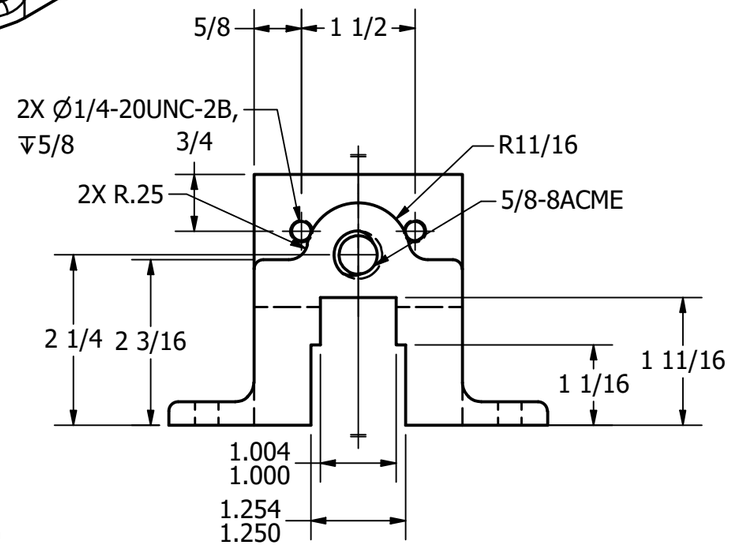
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE



BASE
SCALE 1 / 2







GENERAL NOTES:

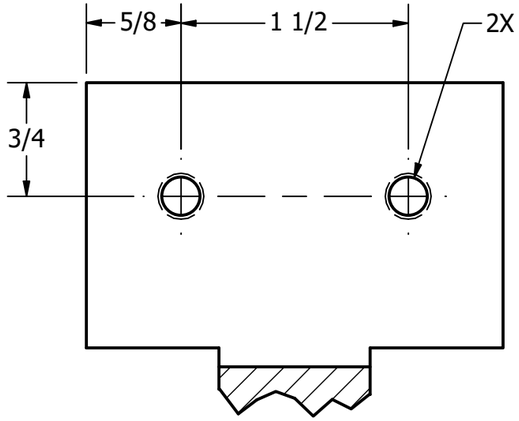
ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

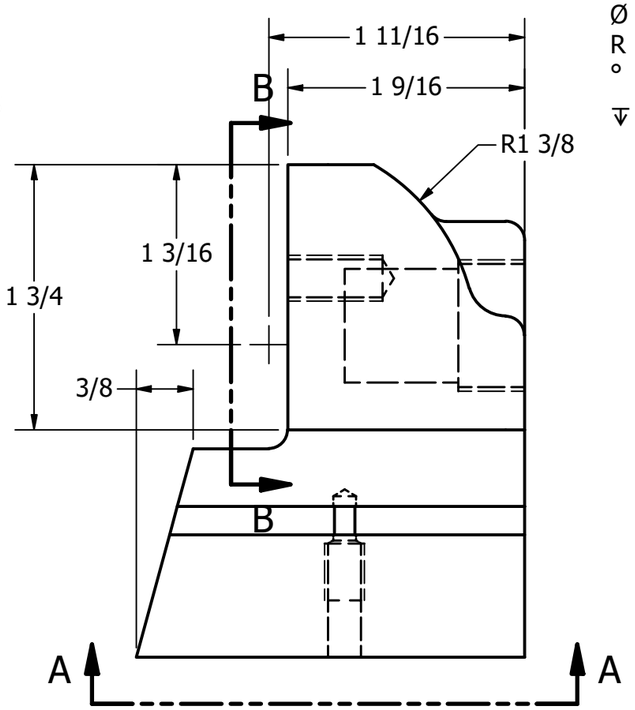
WWW.DDGT.NET

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

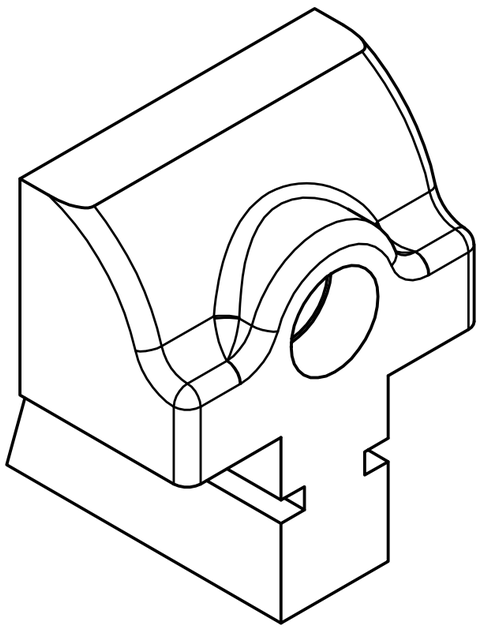
CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	4 OF 8

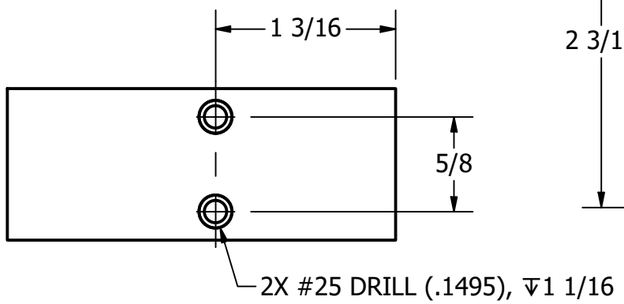


SECTION B-B
SCALE 1 : 1

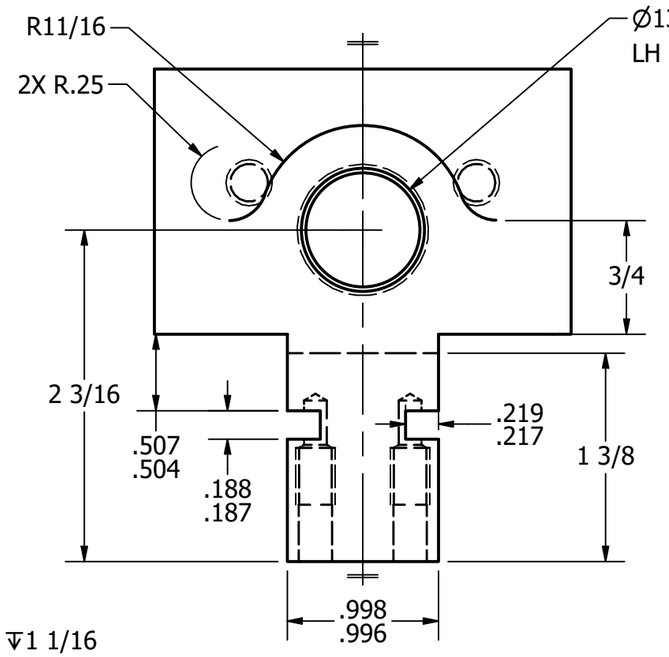


JAW PLATE
SCALE 1 : 1





VIEW A-A
SCALE 1 : 1



LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES
↧ DEPTH

PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE

GENERAL NOTES:

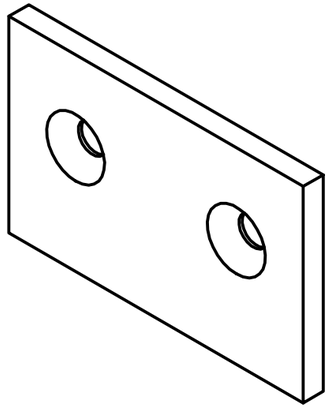
ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

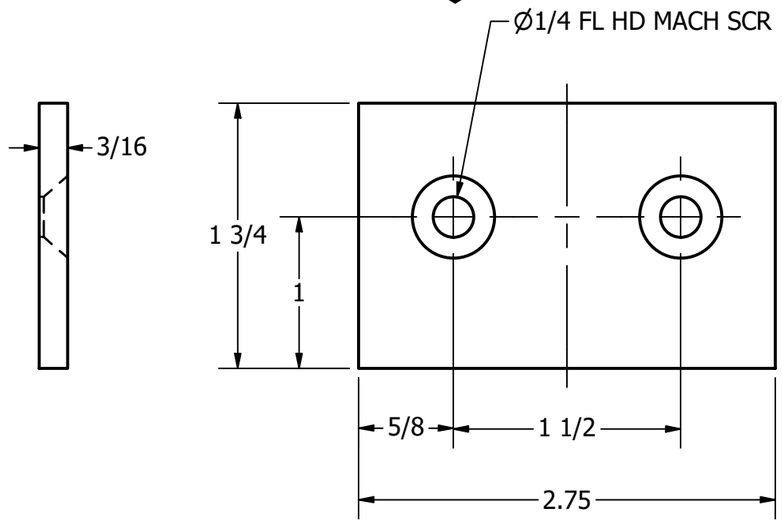
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

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:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	5 OF 8





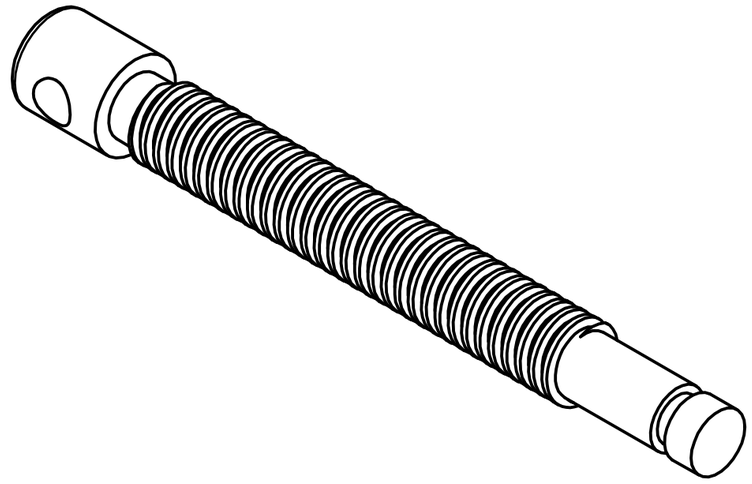
JAW PLATE
SCALE 1 : 1

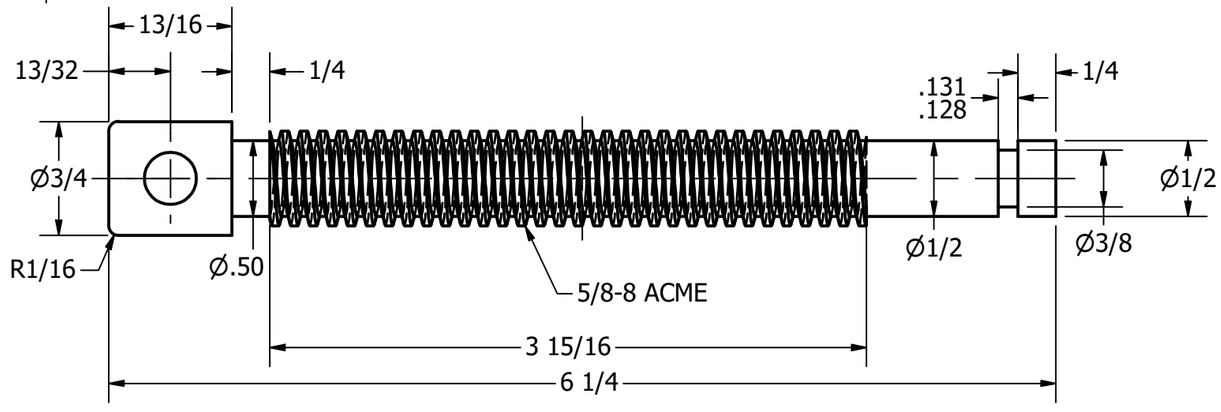
LEGEND:

Ø DIAMETER
R RADIUS
° DEGREES

↧ DEPTH

PARTS LIST		
ITEM	QTY	PART NUMBER
3	2	JAW PLATE
4	1	VISE SCREW





VISE SCREW
SCALE 1 : 1

GENERAL NOTES:

ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET

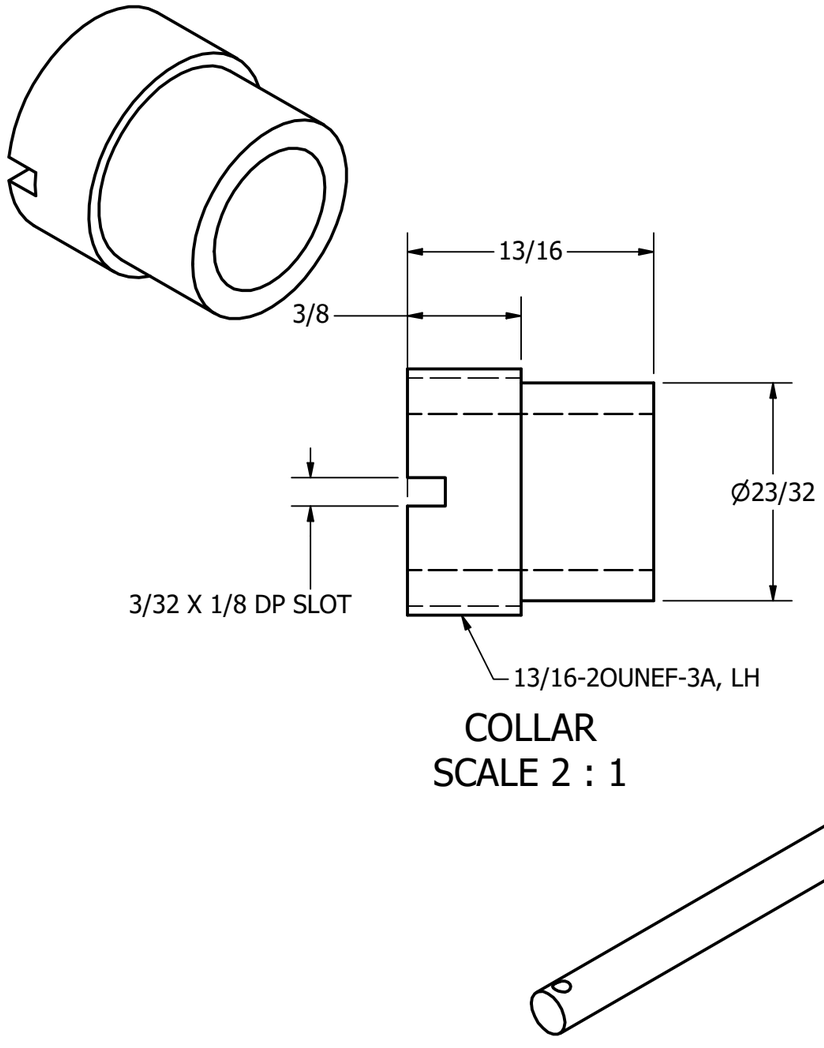
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32

CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	6 OF 8

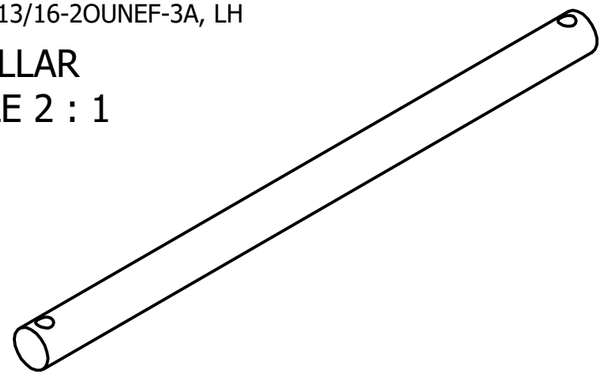
PARTS LIST		
ITEM	QTY	PART NUMBER
5	1	COLLAR
7	1	HANDLE ROD
8	2	HANDLE BALL

LEGEND:

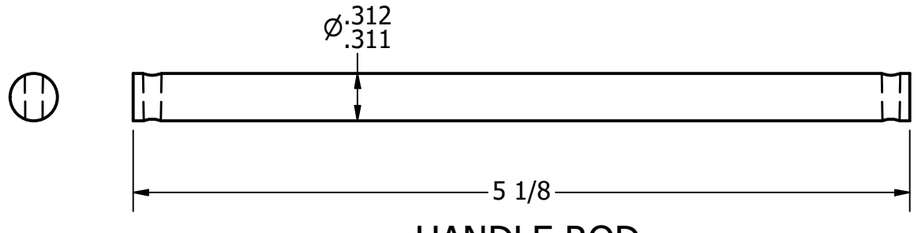
Ø DIAMETER
R RADIUS
° DEGREES
↧ DEPTH



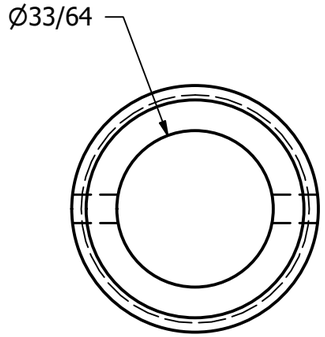
COLLAR
SCALE 2 : 1

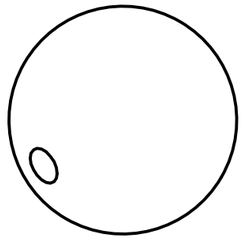


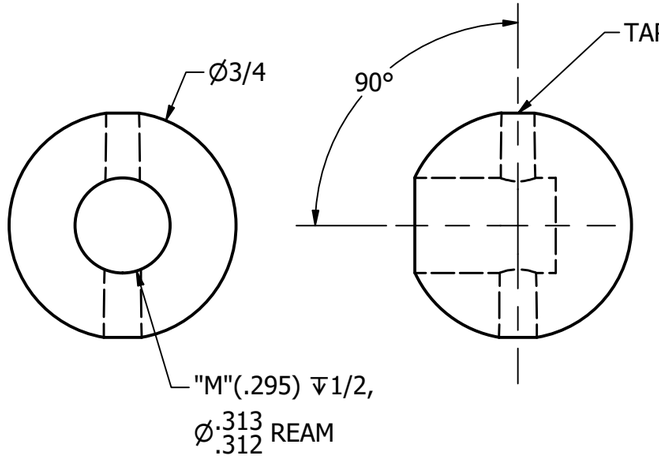
HOLE SHOULD BE CREATED THROUGH HANDLE BALL
AND TAPER PIN AT THE SAME TIME



HANDLE ROD
SCALE 1 : 1







HANDLE BALL
SCALE 2 : 1

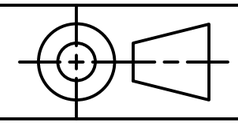
GENERAL NOTES:

ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

DDGT

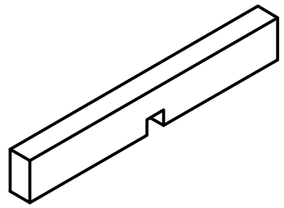
DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

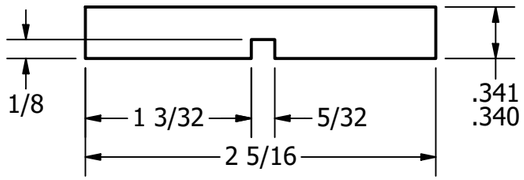
WWW.DDGT.NET



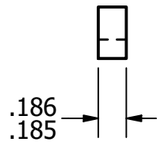
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32

CLASS:	DDGT 240
ASSIGNMENT #:	38
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
MANAGER:	G. STROMMEN
DRAFTER:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	7 OF 8





SLIDE KEY
SCALE 1 : 1

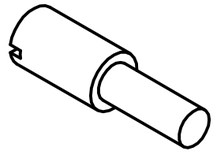


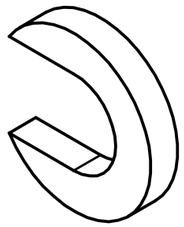
LEGEND:

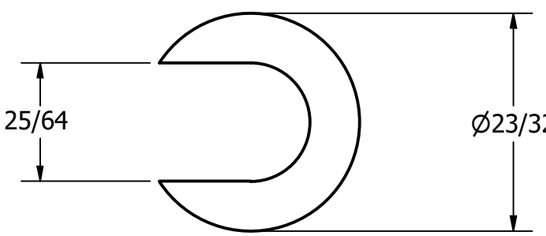
Ø DIAMETER
R RADIUS
° DEGREES

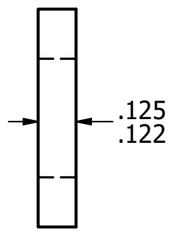
↧ DEPTH

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

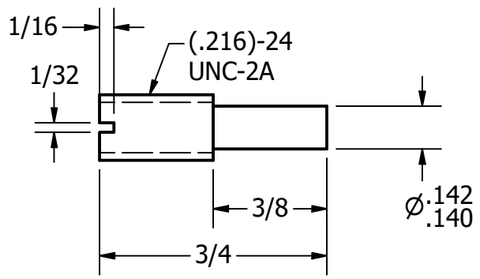








SPECIAL KEY
SCALE 2 : 1



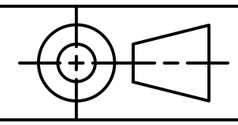
SET SCREW
SCALE 2 : 1

GENERAL NOTES:

ALL FILLETS HAVE A RADIUS OF 1/8"
UNLESS OTHERWISE STATED

DIGITAL DESIGN
GRAPHICS
TECHNOLOGY

WWW.DDGT.NET



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:	K. MILLER
DATE:	10/2/2025
SCALE:	AS NOTED
PAGE #:	8 OF 8