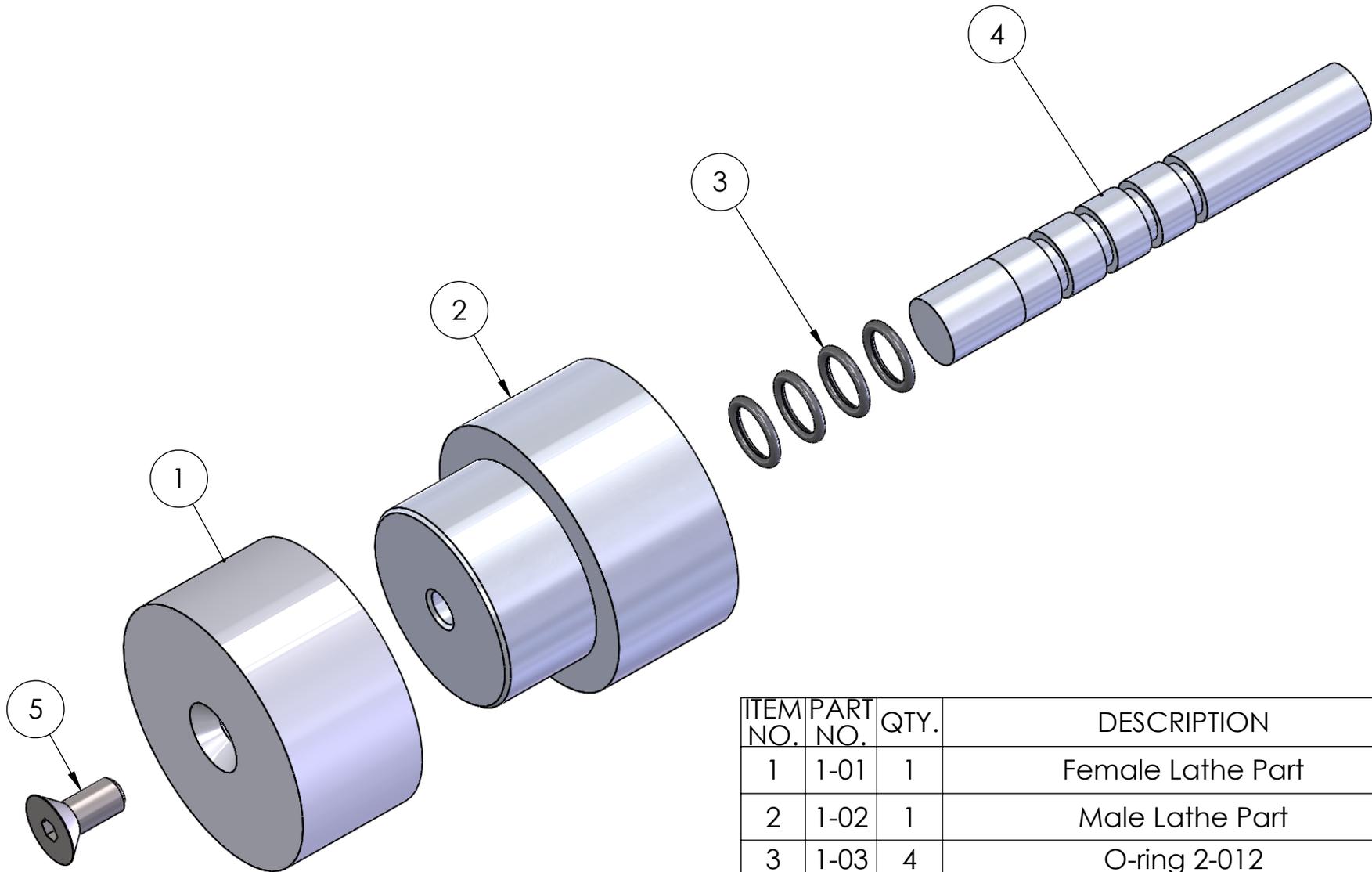


ITEM NO.	PART NO.	QTY	DESCRIPTION	SHEET NO
1	1-00	1	Block Project Lathe Assembly	2
2	2-00	1	Block Project Block Assembly	6

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DEFAULT TOLERANCES:		DESCRIPTION: Block Project			
LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002	ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0 30'	CHECKED BY: Russ Porter	DATE: 7/26/2012	PART #: 0-00	QTY: 1
		DRAWN BY: Andrew Engel	DATE: 5/13/2015	SCALE: 1:1	SHEET: 1 OF 8
		FILE NAME: 0-00 Final Assembly.SLDPRT			



ITEM NO.	PART NO.	QTY.	DESCRIPTION	SHEET NO.
1	1-01	1	Female Lathe Part	3
2	1-02	1	Male Lathe Part	4
3	1-03	4	O-ring 2-012	--
4	1-04	1	Lathe Pin	5
5	1-05	1	FHS 1/4-20 x 5/8"	--

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DIMENSIONS ARE IN INCHES
 THIRD ANGLE PROJECTION 

BLOCK PROJECT

DEFAULT TOLERANCES:

LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002	ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30'
---	---

DESCRIPTION: Block Project Lathe Assembly

CHECKED BY: Russ Porter DATE: 7/26/2012

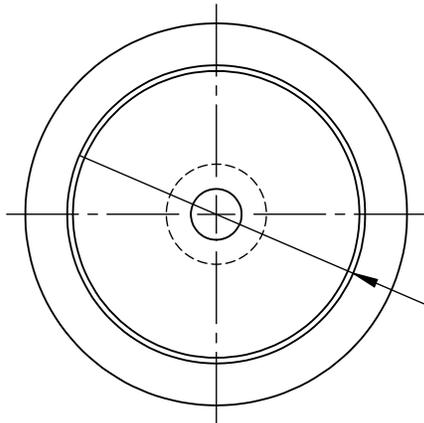
DRAWN BY: Andrew Engel DATE: 5/13/2015

FILE NAME: 1-00 Lathe Assembly.SLDPRТ

**UNIVERSITY OF IDAHO
 ME DEPARTMENT**

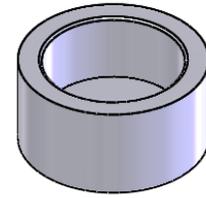
PART #: 1-00 QTY: 1

SCALE: 1:1 SHEET: 2 OF 8

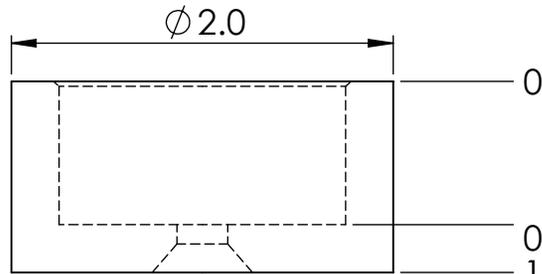
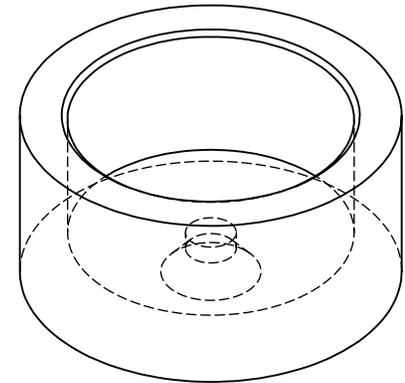


Top View

+0.003
 ϕ 1.501 0.000
 BREAK EDGE

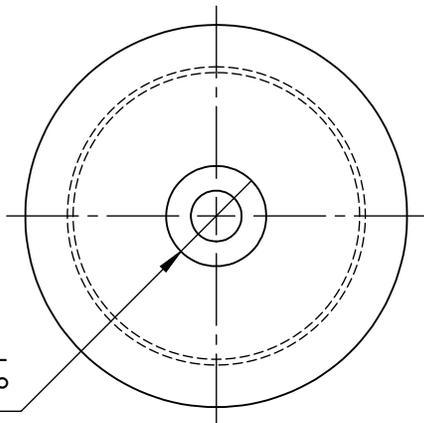


SCALE 1:2



Front View

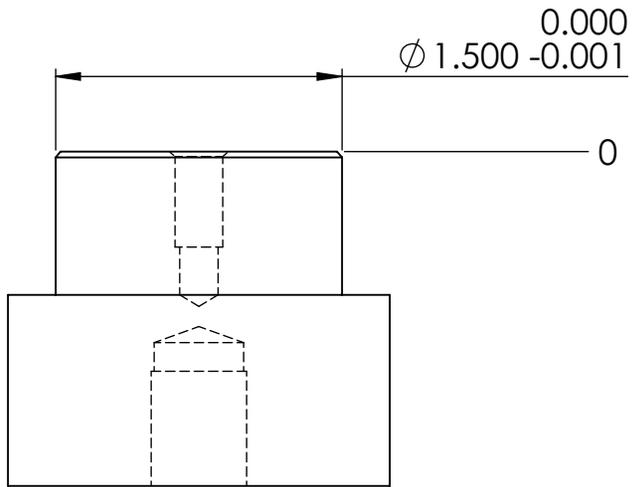
+0.02
 0.75 0.00
 1.00



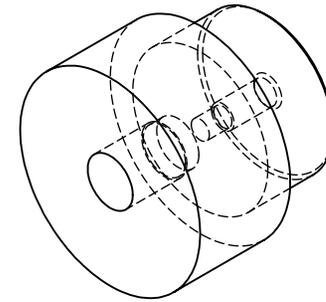
Bottom View

ϕ 0.27 THRU ALL
 \checkmark ϕ 0.52 X 82°

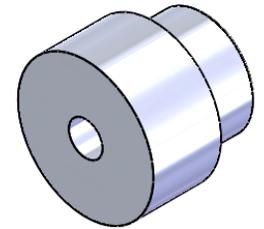
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DEFAULT TOLERANCES:		MATERIAL: 6061 T6 Aluminum			
LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002	ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0 30'	DESCRIPTION: Female Lathe Part		UNIVERSITY OF IDAHO ME DEPARTMENT	
		CHECKED BY:	DATE:		
		DRAWN BY: David Eld	DATE: 5/8/2013	PART #: 1-01	QTY: 1
		FILE NAME: Female Lathe Part.SLDPRT	SCALE: 1:1	SHEET: 3 OF 8	



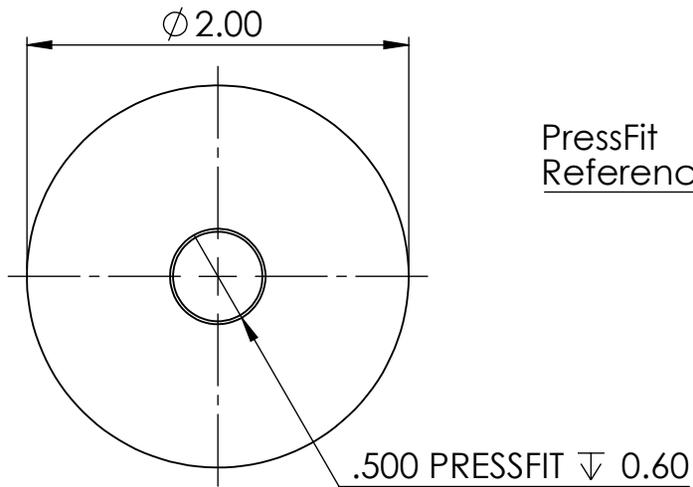
Front View



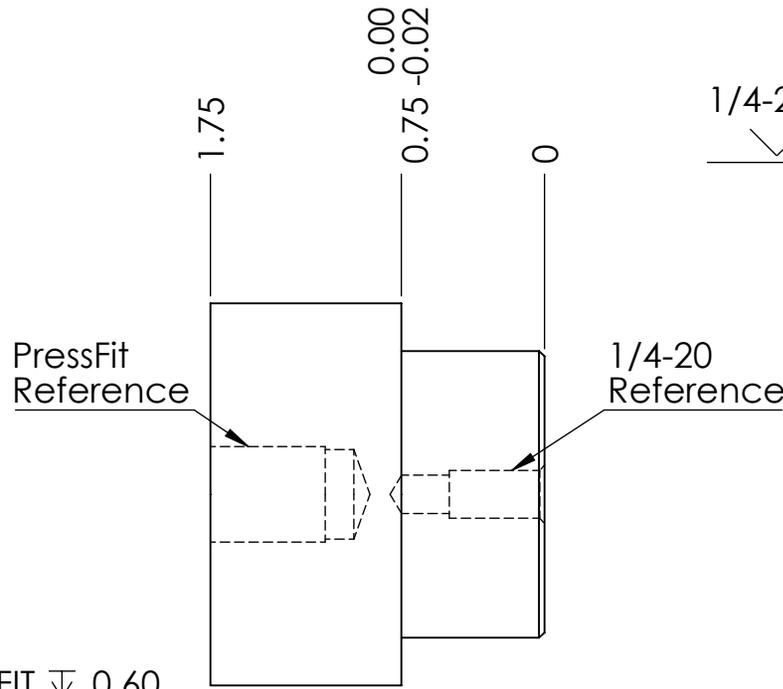
SCALE 1:1.5



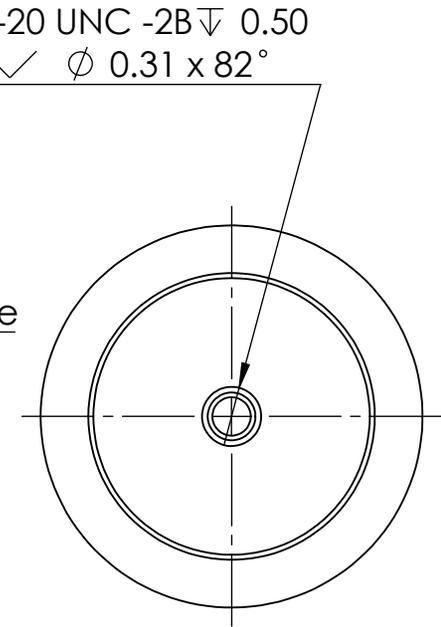
SCALE 1:2



Top View



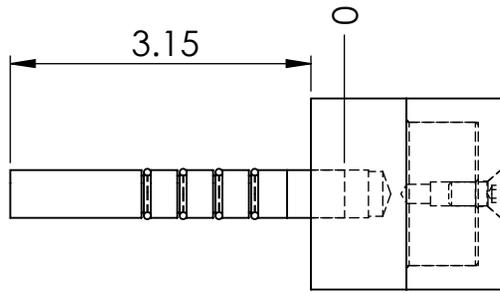
Side View



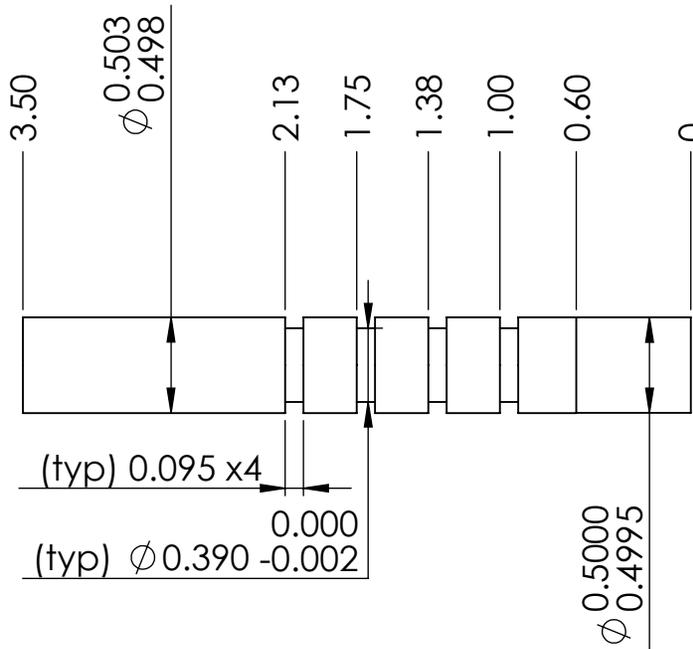
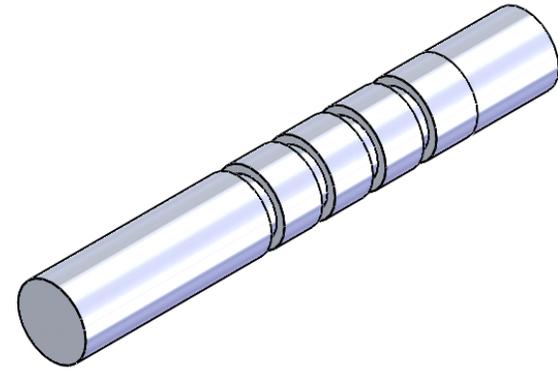
Bottom View

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MATERIAL: 6061 T6 Aluminum		UNIFORMITY OF IDAHO ME DEPARTMENT			
DESCRIPTION: Male Lathe Part		PART #: 1-02		QTY: 1	
CHECKED BY:		DATE:		SCALE: 1:1	
DRAWN BY: David Eld		DATE: 5/8/2013		SHEET: 4 OF 8	
FILE NAME: Male Lathe Part.SLDPR					

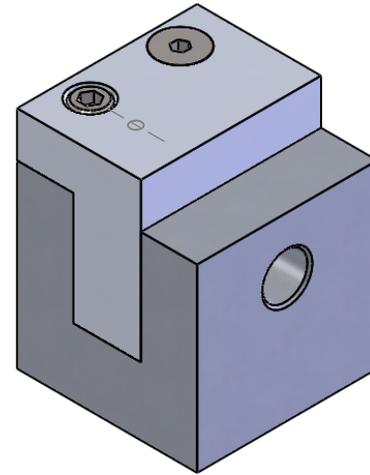
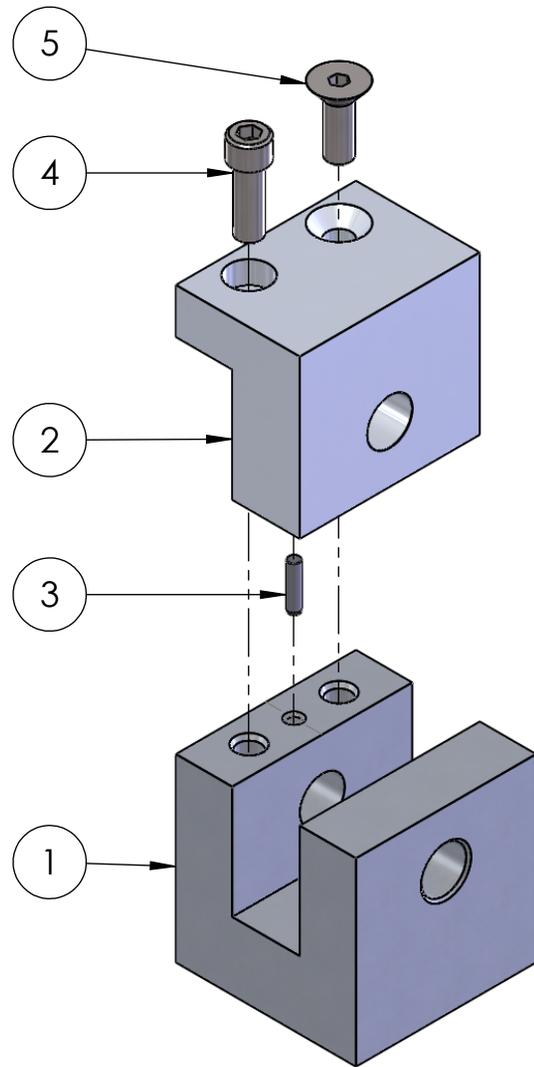
DEFAULT TOLERANCES:
 LINEAR: X. ± .25
 X.X ± .1
 X.XX ± .01
 X.XXX ± .002
 ANGULAR: X. ± 2
 X.X ± 1
 X.XX ± 0.30°



Front View
SCALE 1:2

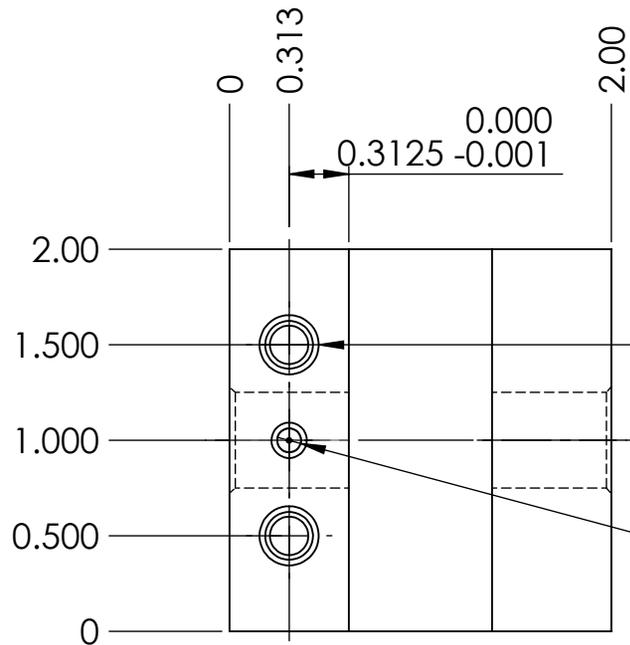


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		MATERIAL: 6061 T6 Aluminum			
DESCRIPTION: Lathe Pin				UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		CHECKED BY: _____ DATE: _____ DRAWN BY: David Eld DATE: 5/13/2015 FILE NAME: Lathe Pin.SLDPRT			
ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30'				SCALE: 1:1	SHEET: 5 OF 8



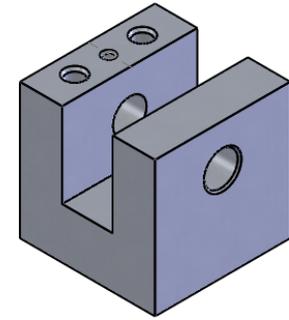
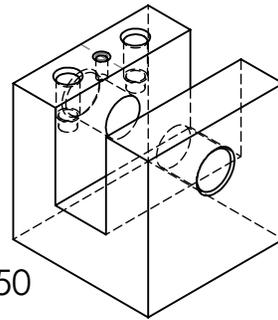
ITEM NO.	PART NO	QTY.	DESCRIPTION	SHEET NO
1	2-01	1	Bottom Block	7
2	2-02	1	Top Block	8
3	2-03	1	0.125 x 0.5 Dowel Pin	---
4	2-04	1	SHCS 1/4-20 x 5/8"	---
5	2-05	1	FHS 1/4-20 x 5/8"	---

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DEFAULT TOLERANCES: LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		DESCRIPTION: Block Project Block Assembly CHECKED BY: Russ Porter DATE: 7/26/2012			
ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0 30' X.XXX ± .002		MATERIAL: DRAWN BY: Andrew Engel DATE: 5/13/2015 FILE NAME: 2-00 Block Assembly.SLDPRT		PART #: 2-00 QTY: 1 SCALE: 1:1.5 SHEET: 6 OF 8	

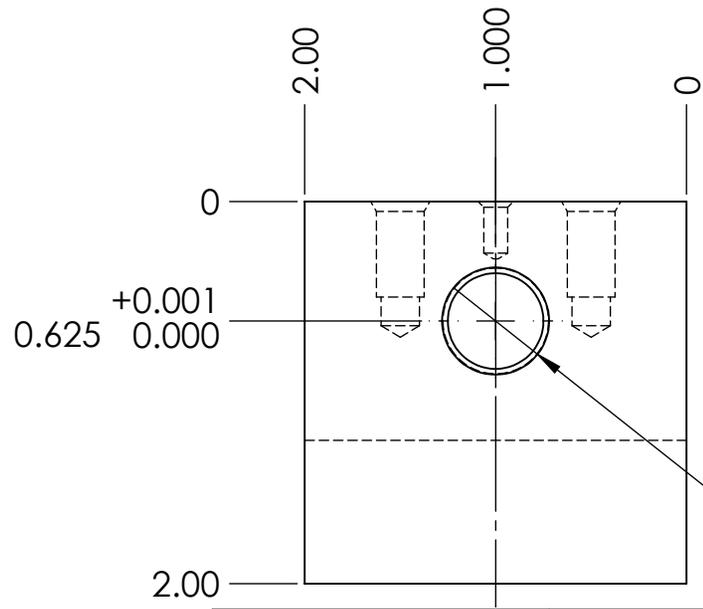
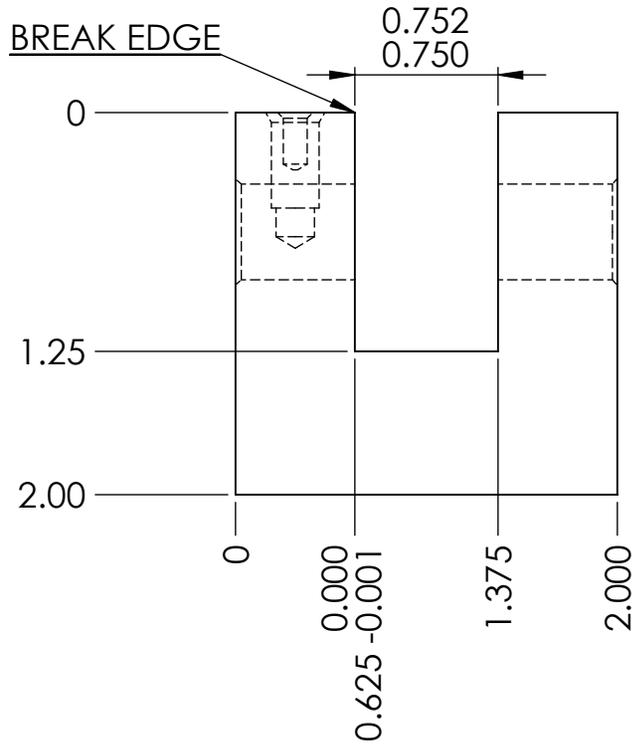


2X 1/4-20 UNC - 2B ∇ 0.50
 ϕ 0.31 X 82°

1/8" PRESS FIT ∇ 0.30



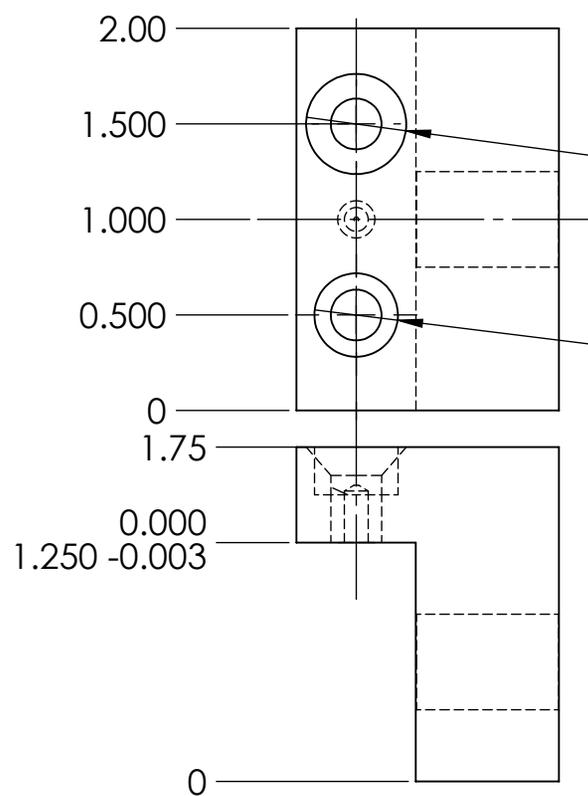
Scale 1:2



REAM ϕ 0.505 THRU

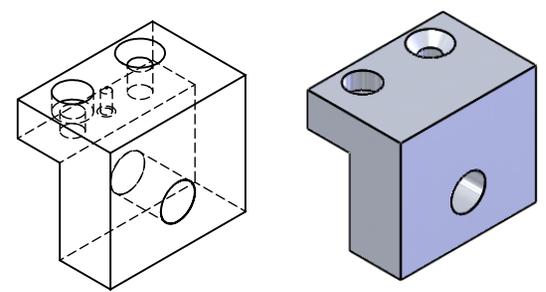
BREAK EDGE

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DEFAULT TOLERANCES: LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		MATERIAL: 6061 T6 Aluminum			
DESCRIPTION: Bottom Block		CHECKED BY:	DATE:	PART #: 2-01	QTY: 1
DRAWN BY: David Eld		DATE: 5/13/2015		SCALE: 1:1	SHEET: 7 OF 8
FILE NAME: Bottom Block.SLDPR					

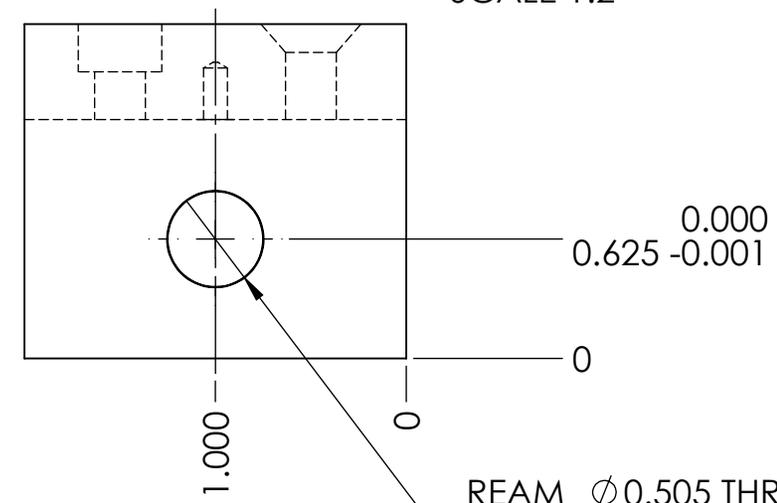


ϕ 0.27 THRU ALL
 \surd ϕ 0.52 X 82°

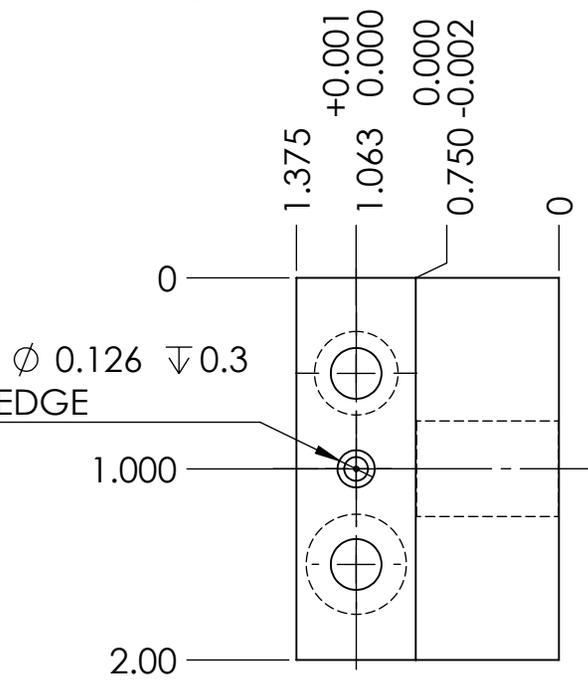
ϕ 0.27 THRU ALL
 \sqsubset ϕ 0.44 ∇ 0.25



SCALE 1:2



REAM ϕ 0.505 THRU
 BREAK EDGE



REAM ϕ 0.126 ∇ 0.3
 REAK EDGE

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		MATERIAL: 6061 T6 Aluminum			
DEFAULT TOLERANCES:		DESCRIPTION: Top Block		UNIVERSITY OF IDAHO ME DEPARTMENT	
LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002	ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30°	CHECKED BY:	DATE:		
		DRAWN BY: David Eld	DATE: 5/13/2015	PART #: 2-02	QTY: 1
		FILE NAME: Top Block.SLDprt	SCALE: 1:1	SHEET: 8 OF 8	