

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/28/2015	EK

ITEM NO.	PART NUMBER	DESCRIPTION	VENDOR	QTY.
1	UJ5071	Yoke with Keyways	x	1
2	UJ5072	Retaining Ring	Waldes0Truarc (#5560-37)	1
3	UJ5073	Bearing Block	x	1
4	UJ5074	Yoke with Splines	x	1
5	UJ5075	Small Diameter Pin	McMaster (#97395A35)	1
6	UJ5706	Oiler	Gits Bros (#552)	1
7	UJ5077	Large Diameter Pin	x	1
8	UJ5078	Set screw	McMaster (92313A150)	1

NOTES: 1) LUBRICATE ALL PARTS WITH SAE 30W OIL BEFORE ASSEMBLY.
2) REFER TO TEST PROCEDURE TP2491 TO ENSURE FUNCTIONALITY.

THIRD-ANGLE PROJECTION

PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/64$
ANGULAR: $\pm 0.5^\circ$
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009

MATERIAL

FINISH

DO NOT SCALE DRAWING

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

DATE

EK

1/28/2015

Dunwoody COLLEGE OF TECHNOLOGY

818 Dunwoody Boulevard, Minneapolis, MN 55403

TITLE:

U-Joint Assembly

SIZE

DWG. NO.

REV

B

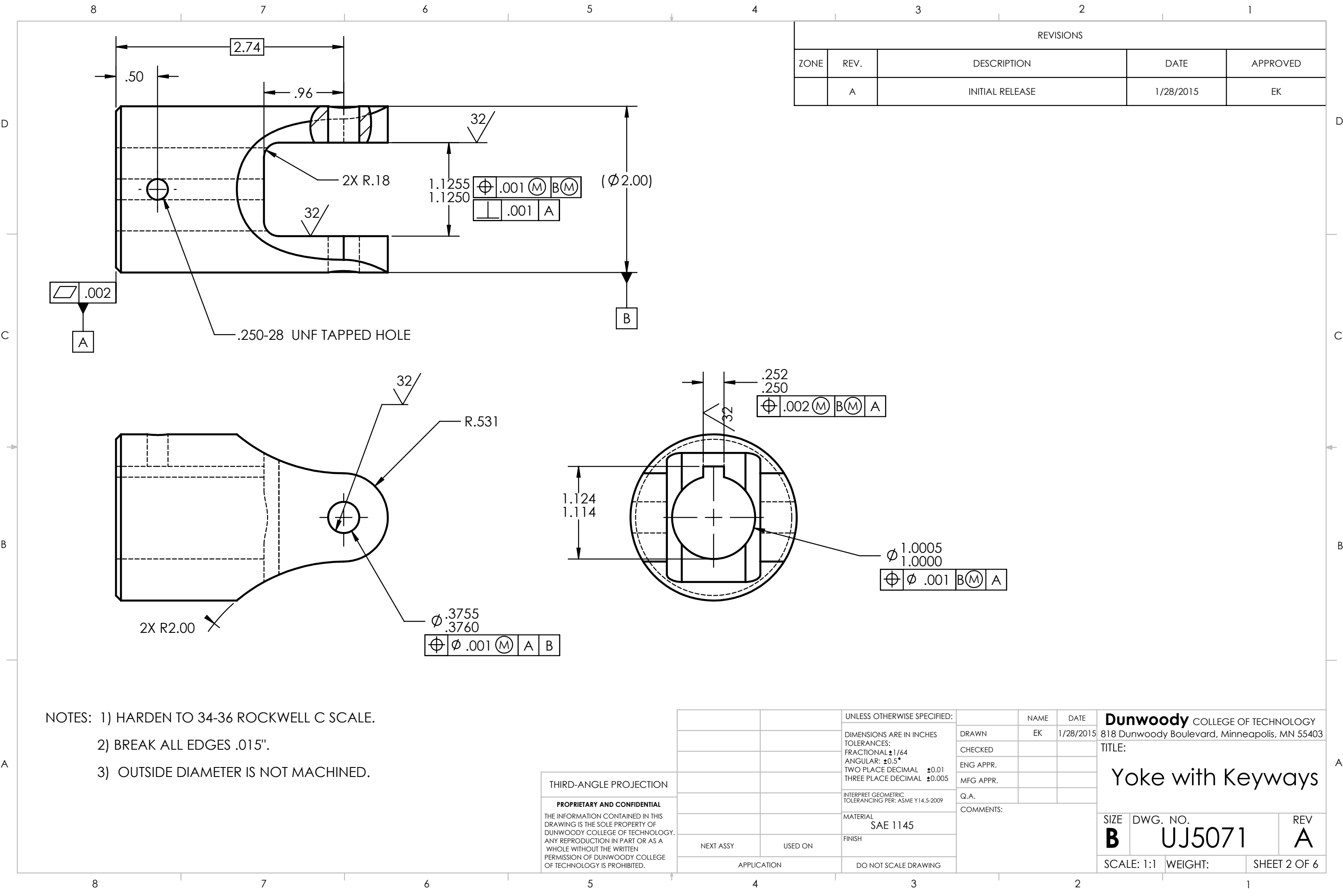
UJ5070

A

SCALE: 1:2

WEIGHT:

SHEET 1 OF 6



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE	1/28/2015	EK

.002

A

.250-28 UNF TAPPED HOLE

B

2X R.18
32/
R.531
2X R2.00

$\phi .3755$
 $\phi .3760$
 $\phi .001$ (M) A B

.252
.250
32/
1.124
1.114
 $\phi 1.0005$
 $\phi 1.0000$
 $\phi .001$ B (M) A

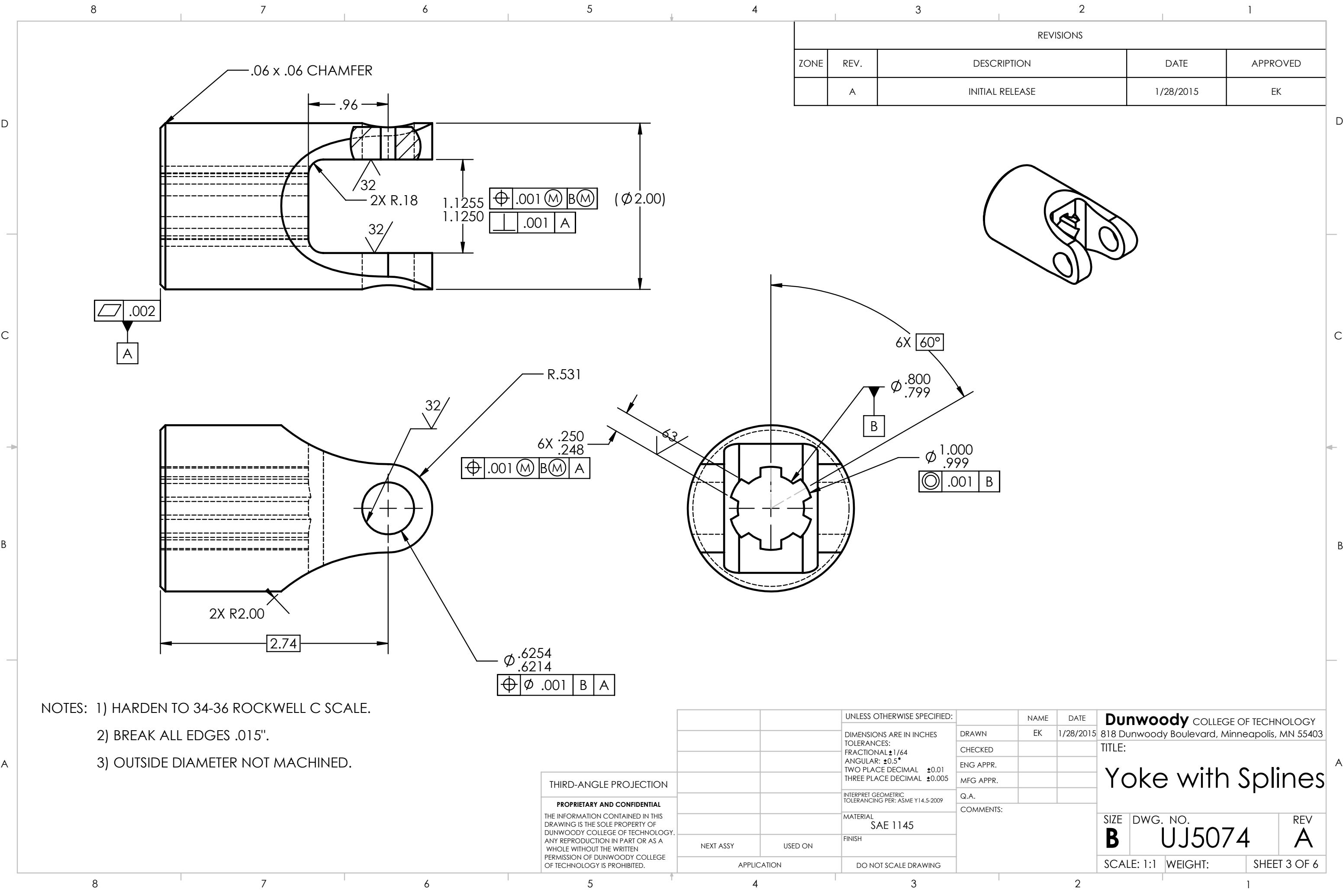
NOTES: 1) HARDEN TO 34-36 ROCKWELL C SCALE.
2) BREAK ALL EDGES .015".
3) OUTSIDE DIAMETER IS NOT MACHINED.

THIRD-ANGLE PROJECTION

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Dunwoody COLLEGE OF TECHNOLOGY 818 Dunwoody Boulevard, Minneapolis, MN 55403 TITLE: Yoke with Keyways SIZE DWG. NO. REV B UJ5071 A SCALE: 1:1 WEIGHT: SHEET 2 OF 6
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/64$ ANGULAR: $\pm 0.5^\circ$ TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005	DRAWN	EK	1/28/2015	
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009	CHECKED			
		MATERIAL SAE 1145	ENG APPR.			
		FINISH	MFG APPR.			
NEXT ASSY	USED ON	DO NOT SCALE DRAWING	Q.A.			
			COMMENTS:			



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE	1/28/2015	EK

NOTES: 1) HARDEN TO 34-36 ROCKWELL C SCALE.
2) BREAK ALL EDGES .015".
3) OUTSIDE DIAMETER NOT MACHINED.

THIRD-ANGLE PROJECTION	
PROPRIETARY AND CONFIDENTIAL	
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<div>Dunwoody COLLEGE OF TECHNOLOGY</div> <div>818 Dunwoody Boulevard, Minneapolis, MN 55403</div> <div>TITLE:</div> <div>Yoke with Splines</div> <div><div>SIZE</div><div>B</div><div>DWG. NO.</div><div>UJ5074</div><div>REV</div><div>A</div></div> <div><div>SCALE: 1:1</div><div>WEIGHT:</div><div>SHEET 3 OF 6</div></div>		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/64$ ANGULAR: $\pm 0.5^\circ$ TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005	DRAWN	EK	1/28/2015			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009	Q.A.			COMMENTS:		
		MATERIAL SAE 1145						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING						

D

C

B

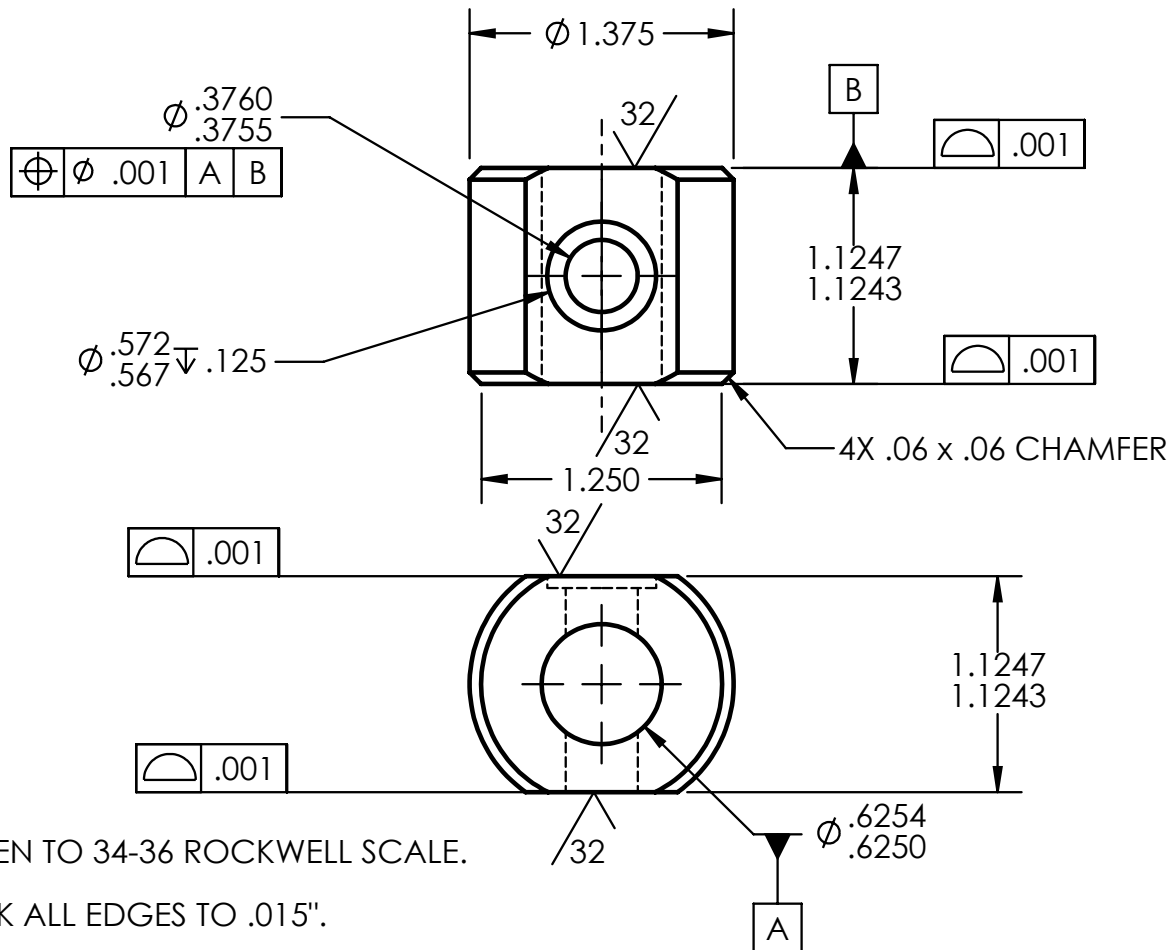
A

D

C

B

A



- NOTES: 1) HARDEN TO 34-36 ROCKWELL SCALE.
2) BREAK ALL EDGES TO .015".
3) OUTSIDE DIAMETER NOT MACHINES.
4) COUNTERBORE MAX RADII 0.

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<div>Dunwoody COLLEGE OF TECHNOLOGY</div> <div>818 Dunwoody Boulevard, Minneapolis, MN 55403</div> <div>TITLE:</div> <div>Bearing Block</div> <div>SIZE</div> <div>DWG. NO.</div> <div>REV</div> <div>UJ5073</div> <div>SCALE: 2:1</div> <div>WEIGHT:</div> <div>SHEET 4 OF 6</div>		
			DIMENSIONS ARE IN INCHES	DRAWN	EK	1/28/2015			
			TOLERANCES:	CHECKED					
			FRACTIONAL: ±1/64	ENG APPR.					
THIRD-ANGLE PROJECTION			ANGULAR: ±0.5°	MFG APPR.					
<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DUNWOODY COLLEGE OF TECHNOLOGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DUNWOODY COLLEGE OF TECHNOLOGY IS PROHIBITED.</div>			TWO PLACE DECIMAL ±0.01						
			THREE PLACE DECIMAL ±0.005						
			INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009	Q.A.					
			MATERIAL	COMMENTS:					
			SAE 4140						
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING							

D

C

B

A

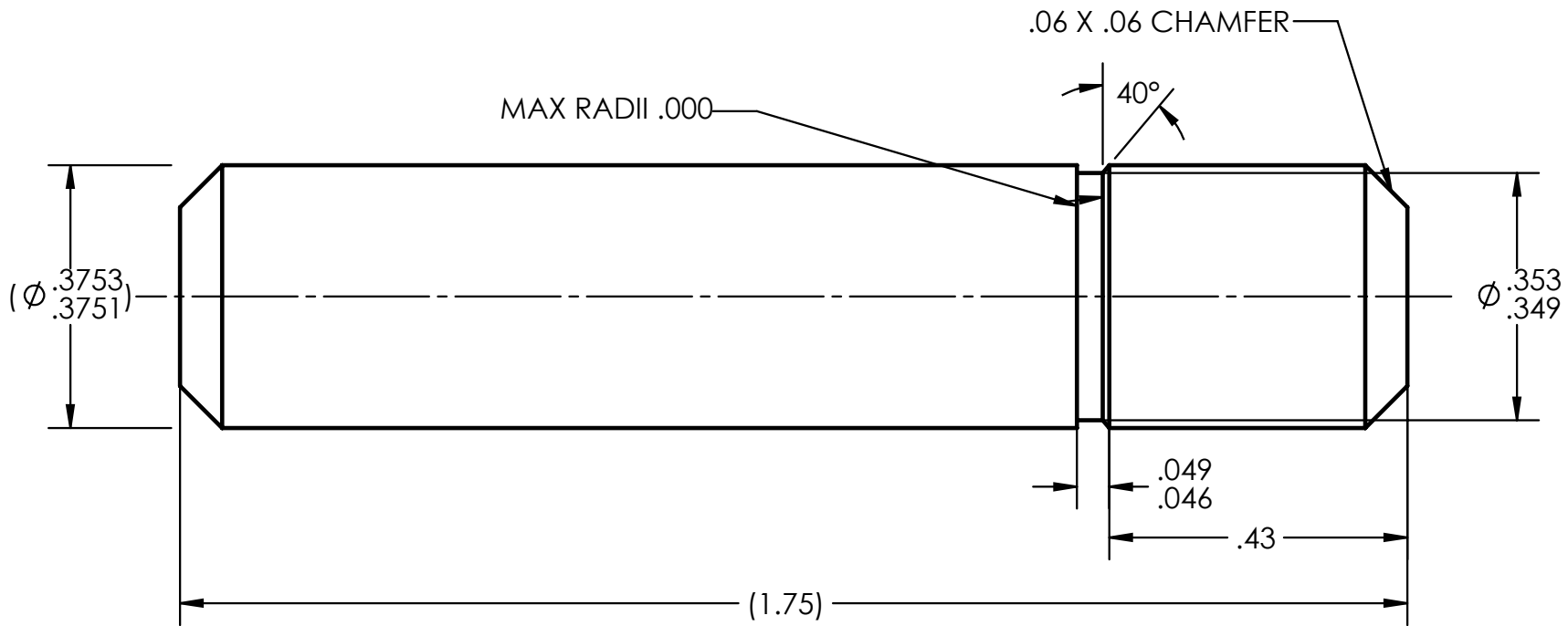
D

C

B

A

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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NOTES: 1) BREAK ALL EDGES BY .015'.

THIRD-ANGLE PROJECTION
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		TOLERANCES:
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		ANGULAR: $\pm 0.5^\circ$
		TWO PLACE DECIMAL ± 0.01
		THREE PLACE DECIMAL ± 0.005
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009
		MATERIAL
NEXT ASSY	USED ON	FINISH
		32μ
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	EK	1/28/2015
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

Dunwoody COLLEGE OF TECHNOLOGY 818 Dunwoody Boulevard, Minneapolis, MN 55403		
TITLE: Small Diameter Pin		
SIZE A	DWG. NO. UJ5075	REV A
SCALE: 1:1	WEIGHT:	SHEET 5 OF 6

5

4

3

2

1

5

4

3

2

1

D

C

B

A

D

C

B

A

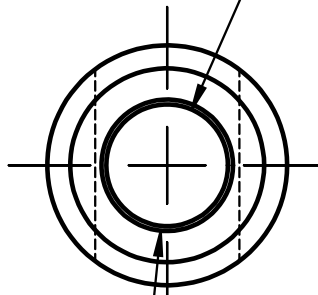
5

4

3

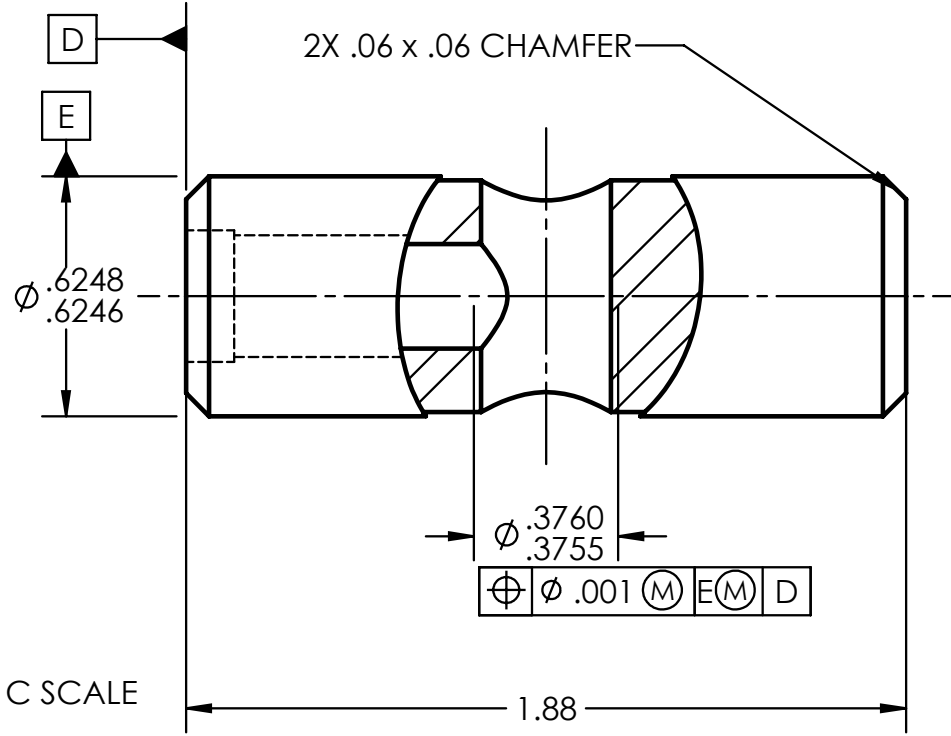
2

1



$\phi .3428 \begin{smallmatrix} \text{---} \\ \text{---} \end{smallmatrix} \downarrow .125$

$\phi .317 \begin{smallmatrix} \text{---} \\ \text{---} \end{smallmatrix} \downarrow 1.00$



2X .06 x .06 CHAMFER

$\phi .3760 \begin{smallmatrix} \text{---} \\ \text{---} \end{smallmatrix}$

$\phi .001 (M) E (M) D$

$\phi .6248 \begin{smallmatrix} \text{---} \\ \text{---} \end{smallmatrix}$

D

E

1.88

NOTES: 1) HARDEN TO 45-50 ROCKWELL C SCALE
2) BREAK ALL EDGES .015"

THIRD-ANGLE PROJECTION

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		THREE PLACE DECIMAL ± 0.005
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009
		MATERIAL
NEXT ASSY	USED ON	FINISH
		32 μ
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	EK	1/28/2015
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

Dunwoody COLLEGE OF TECHNOLOGY 818 Dunwoody Boulevard, Minneapolis, MN 55403		
TITLE: Large Diameter Pin		
SIZE A	DWG. NO. UJ5077	REV A
SCALE: 1:1	WEIGHT:	SHEET 6 OF 6

5

4

3

2

1