ITEM NO.	PART NUMBER	DESCRIPTION	round shaft/QTY.			
1	driver_shaft_01	Finished Blade Shaft	1			
	tube_01	Tube	1			
3	handle_03	Hammer Handle	1			
4	Head_plastic_face	Hammer Head	1			
5	Head_plastic_face_2	Plastic Face	1			
6	socket set screw cup point_ai	1/4-20x.75 Set Screw	1			
3 1 2						
unless otherw	vise specified: MATERIAL Steel/	'Acrylic LJ	ammer <i>i</i>	Assembly 🍣 Smith College		

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL± 1/32"
ANGULAR: MACH± .5 BEND ±
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
INTERPRET DRAWING PER: ASME Y14.5-1994

5

MATERIAL

Steel/Acrylic

FINISH

COMMENTS: Assembly Procedure: Screw shaft to tube. Press tube into head. Press handle onto shaft. Install set screw in head. Screw plastic face onto head.

Hammer Assembly

DRAWN EJJ DATE 2/19/2015 SI
CHECKED DKR DATE 2/19/2015

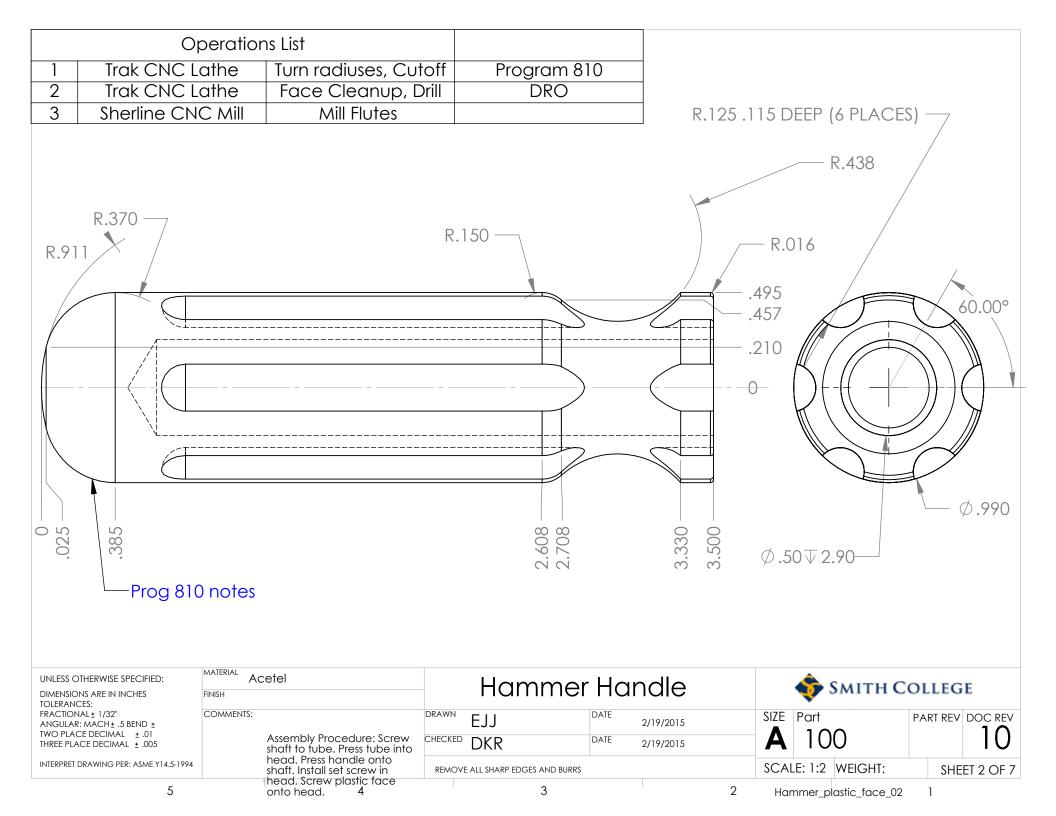
REMOVE ALL SHARP EDGES AND BURRS SO

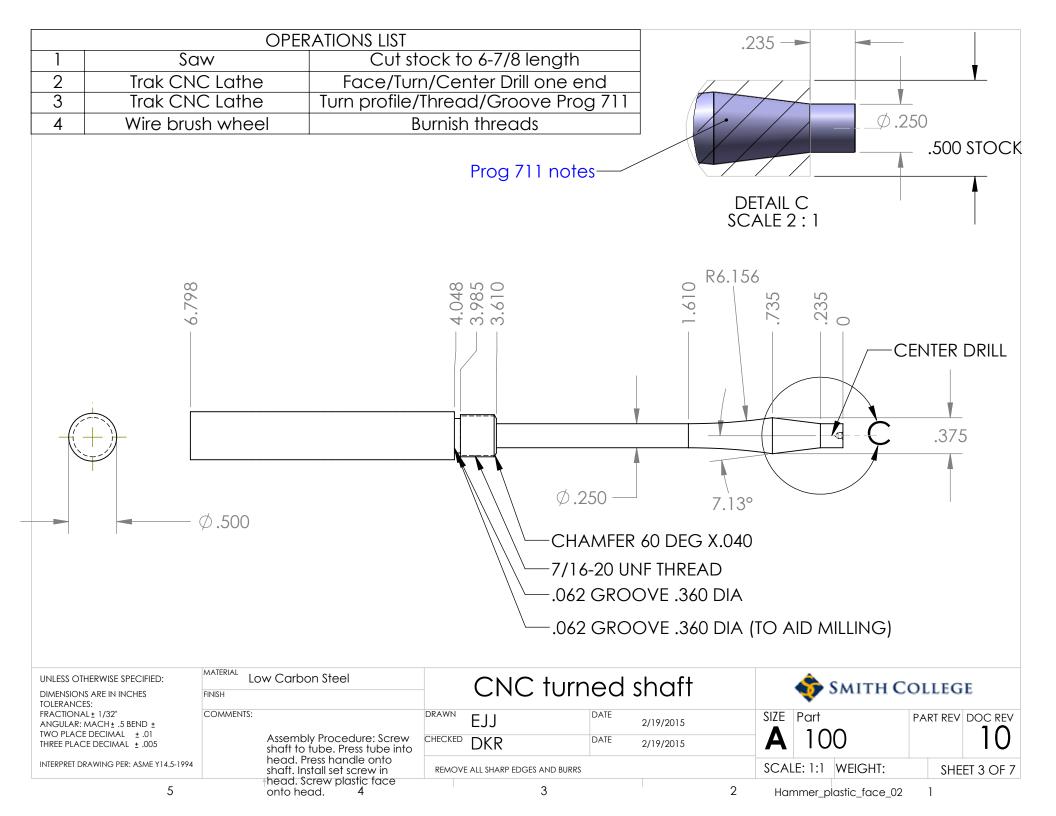
SIZE Part PART REV DOC REV

100

SCALE: 1:2 WEIGHT: SHEET 1 OF 7

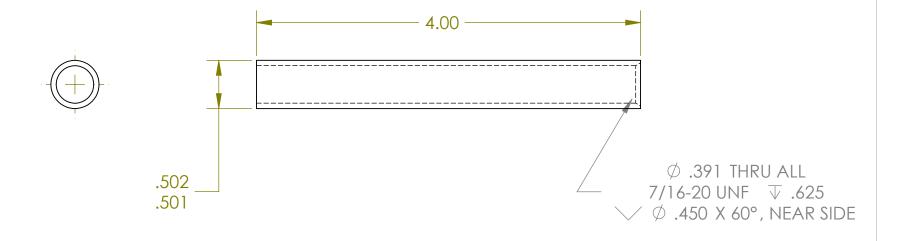
4 3 2 Hammer_plastic_face_02





1 Emery cloth 2 Trak Mill 3 Torch/casenite 4 Emery cloth 5 Lathe	OPERATIONS LIST Polish shaft Machine blade shape/trim end/Engrave Heat treat and temper blade Polish blade faces Knurl 1/2" of shaft for friction fit	
.040	4.37° D VIEW D-D VIEW D-D	
.25	2.750	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES:	KNURL 1/2 INCH LENGTH Low Carbon Steel FINISH FINISH FOLLEGE	
FRACTIONAL± 1/32" ANGULAR: MACH± .5 BEND ± TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005 INTERPRET DRAWING PER: ASME Y14.5-1994	Assembly Procedure: Screw shaft to tube. Press tube into head. Press handle onto shaft. Install set screw in head. Screw plastic face onto head. Assembly Procedure: Screw by hardle onto shaft. Install set screw in head. Screw plastic face onto head. Assembly Procedure: Screw by hardle onto shaft to tube. Press tube into head. Press handle onto shaft. Install set screw in head. Screw plastic face onto head. A DATE 2/19/2015 A DATE 100 SCALE: 1:1 WEIGHT: SHEET 4 COMMENTS A Hammer_plastic_face_02 1	0

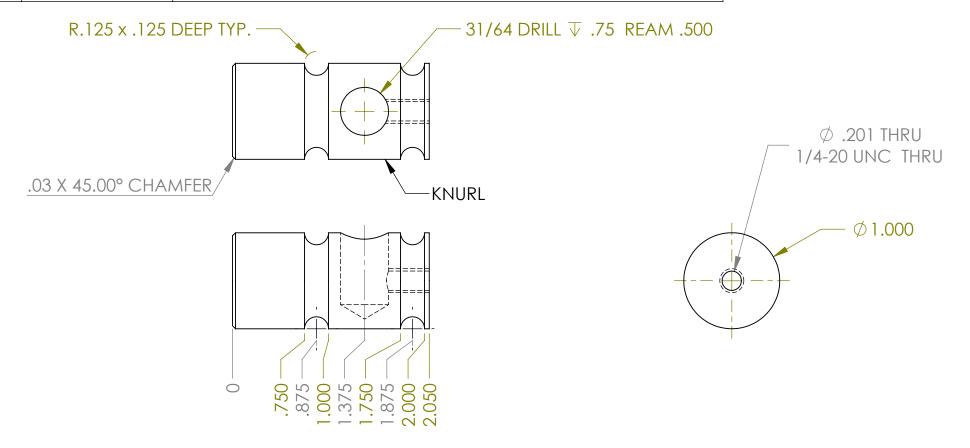
	OPERATIONS LIST				
1	1 Saw Cut stock to 4-1/8 inch length				
2	2 Engine Lathe Face end/Countersink				
	Engine Lathe	Drill			
4	Engine Lathe	Tap (Use tap guide, tailstock)			



UNLESS OTHERWISE SPECIFIED:	MATERIAL 1/2 steel tubing	Т	ube	A SMITH	I COLLEGE
DIMENSIONS ARE IN INCHES TOLERANCES:	FINISH	- I		SMITT	COLLEGE
FRACTIONAL ± 1/32" ANGULAR: MACH ± .5 BEND ±	COMMENTS:	DRAWN EJJ	DATE 2/19/2015	SIZE Part	PART REV DOC REV
TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005	Assembly Procedure: Screw shaft to tube. Press tube into	CHECKED DKR	DATE 2/19/2015	A 100	10
INTERPRET DRAWING PER: ASME Y14.5-1994	shatt. Install set screw in	REMOVE ALL SHARP EDGES AND	BURRS	SCALE: 1:1 WEIGHT	: SHEET 5 OF 7
.5	†head. Screw plastic face	3		2 Hammer plastic face	<u> </u>

Hammer_plastic_tace_02

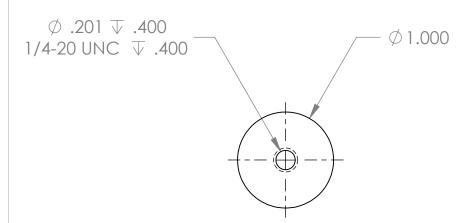
	OPERATIONS LIST				
1	Saw Cutoff long enough to make two heads (5 inches)				
2	Engine Lathe Face/ Chamfer Hammer face				
3	B Engine Lathe Turn Grooves - regrip for each groove				
4	Engine Lathe Knurl				
5	Saw Cutoff hammer head 2-1/8				
6	Engine Lathe	Face/Turn to 2.05 length			
7	7 Bridgeport Drill/Ream (use fixture block to locate centers)				
8	Engine Lathe	Centerdrill/Drill/Tap 1/4-20			

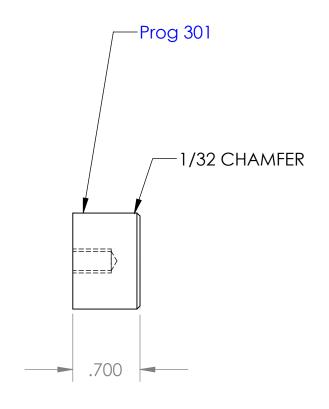


Low Carbon Steel UNLESS OTHERWISE SPECIFIED: Hammer Head **SMITH COLLEGE** DIMENSIONS ARE IN INCHES FINISH TOLERANCES: FRACTIONAL ± 1/32" COMMENTS: DRAWN DATE SIZE Part EJJ PART REV DOC REV 2/19/2015 ANGULAR: MACH ± .5 BEND ± TWO PLACE DECIMAL ± .01 100 CHECKED Assembly Procedure: Screw DKR DATE THREE PLACE DECIMAL ± .005 2/19/2015 shaft to tube. Press tube into head. Press handle onto INTERPRET DRAWING PER: ASME Y14.5-1994 SCALE: 1:1 WEIGHT: SHEET 6 OF 7 shaft. Install set screw in REMOVE ALL SHARP EDGES AND BURRS head. Screw plastic face 3 2 onto head.

5

Hammer_plastic_face_02





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES:	MATERIAL ABS Plastic FINISH	Plastic Face		SMITH COLLEGE				
FRACTIONAL ± 1/32" ANGULAR: MACH ± .5 BEND ±	COMMENTS:	DRAWN EJJ	DATE 2/19/2015		SIZE	Part	PART REV	DOC REV
TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005	Assembly Procedure: Screw shaft to tube. Press tube into	CHECKED DKR	DATE 2/19/2015		A	100		10
INTERPRET DRAWING PER: ASME Y14.5-1994	shatt. Install set screw in	REMOVE ALL SHARP EDGES AND BURRS			SCALE: 1:1 WEIGHT:		SHEET 7 OF 7	
head. Screw plastic face onto head. 4		3		2	Ham	nmer_plastic_face_(02 1	