M1911-A1 REDUX

re·dux (rē-dŭks’)
adjective
Brought back; returned. Used postpositively.

Drawings of the Government Model M1911-A1 Semi-Automatic Pistol, Originally Designed by John Browning for Colt Firearms Company, Completely 3D CAD Modeled and Redrawn With Present-Day Standards and Technology

by Rio Benson, Benson Consulting, LLP, ©2010

FROM RIO BENSON, BENSON CONSULTING, LLP, ON THE PREPARATION OF THESE DOCUMENTS

To qualify my efforts in the development of this drawing package: As a Machine and Mechanical Designer, I've been preparing drawings to DOD-100/1000 and ASME/ANSI Y14 standards, for a living, for more than a half century. I am also a shooter and a firearms enthusiast with sporting experience since my mid-teens and significant military firearms experience from my late teens to my late-twenties. I am also an avid fan of John M. Browning and the "original" M1911.

Historically, when the drawings for John M. Browning's Colt M1911 were first created, there was little in the way of *'consensus'* standards to guide the designers and manufacturers of the day in either drawing format or in DOD documentation of materials and finishes. For the most part, these were added, hit or miss, in later drawing revisions. Furthermore, due to the original design's flawless practicality and it's amazing longevity, the government's involvement, and the fact that in the ensuing 100-plus years of production the M1911 design has been officially fabricated by several different manufacturers, the drawings have gone through many, many revisions and redraws in order to accommodate all these various interests. These *'mandated by committee'* redraws and revisions were not always made by the most competent of designers, and strict document control was virtually non-existent at the time. All of this has led to an exceedingly sad state of credibility, legibility, and even the availability of legitimate M1911 drawings today.

Granted, the M1911 is still being produced by a multitude of manufacturers, but obviously not to the original drawings. The current manufacturers have their own documentation, including their own modifications and production improvements. Because of their competitiveness, there is little chance any of these current manufacturers will publish or furnish any part of their documentation, since they might be giving away some of their trade secrets. Of course, we must assume that none of these manufacturers have ever heard of "reverse engineering" [LOL].

With that being said, I have noticed numerous requests for M1911 drawings over the years, and now having the time, the knowledge, and the means, I decided to model the M1911 in 3D, using SolidWorks 2009, and then create ***updated*** drawings from those models. My source for the original[?] drawings came, free of charge, from the internet. As a drawing set for the M1911 these were better than nothing, but they were full of misinterpretations, errors, omissions, in addition to being very difficult to read. Unfortunately, that was all that was available.

Due to the poor legibility of the reduced drawing sizes, original drafting quality, and reproducibility of the source documents, and also of the collective questionable veracity of revision status, a number of assumptions and even interpolations had to be made in the creation of the subject documentation package. While every attempt was made regarding the maintenance of technical correctness and completeness, I (Rio Benson), or Benson Consulting, LLP, cannot warrant or guarantee the package's accuracy or suitability for manufacture, and recommend its use be limited to only that of a source of interesting and historical information. This package is furnished free of charge, and the user must assume any and all liability in any connection with its use. The laws regarding intellectual property apply here. This documentation may be published and distributed freely as a complete package, without charge, provided nothing is altered in any way. Furthermore, this writing is an integral part of the package and must accompany it in any of its published forms. By the way, this package prints best on a tabloid (11 x 17 inch) printer, color or no. Only two sizes of drawing format were used, B (11 x 17) and D (22 x 34). The advantage of the D size is less format per drawing area. The D size printed on a tabloid sheet results in a half-size reproduction (half-size is not half a sheet; do your math) that is still quite legible for all but the legally blind.

All of the SolidWorks 2009 models and drawings created for this package are available from me, at BensonConsulting@earthlink.net, for a small fee to help cover my expenses in materials, equipment, and time. While I will gladly assist anyone wishing it, technically, I am not in the habit of doing anyone's work for them without some form of compensation.

The approach to the updated modeling and redrawing contained in this package was as follows:

1. Wherever possible, 'turn-of-the-century' machine shop methodology and technology was used in determining the design intent of the original documentation.
2. Otherwise, no attempt was made to arbitrarily change any dimensions or tolerances, however costly they would be to reproduce. There were, however, a few instances where the "original" dimensions were geometrically impractical to fabricate or were incorrect, thus dictating a change. Furthermore, the application of current drafting standards required some additional changes. Overall, and as an added benefit, the changes made should make the drawings more legible, logical, and easier to read.
3. Manufacturing technology in materials, heat treatment, and finishes have changed considerably in the past several years, thereby making virtually all of the "original" drawing notes obsolete. In fact most of the standards and specifications originally referred to have been obsoleted or superseded. As a result the remaining drawing notes, referring primarily to materials, heat treatment, and finish, have been standardized and updated to what is currently available and more practical from a manufacturing standpoint in this package.
4. Some of the newer methods in drafting technology, such as Geometric Dimensioning and Tolerancing, and particularly that of True-Position Dimensioning, have been purposefully avoided in this effort. These were not available for the original design, *nor were they necessary*. The use of these practices becomes economically feasible only in high volume production applications where the technical expertise is available, and the purchase and deployment of expensive Coordinate Measuring Machines (CMM) and costly templates and gages can be justified. Seldom, if ever, are the tried and true bilateral tolerancing methods of the past insufficient to manufacture excellent parts. Case-in-point, the decades old M1911-A1 design, itself, using no Geometric Tolerancing, has had a success and longevity that is unmatched throughout all industry. Go figure! [BG]
5. No attempt was made to make these drawings DOD compliant. The driving intent here was to illustrate dimensional accuracy and functionality of the overall design. Markings, references to inspection of surface hardness, and other superfluous military requirements were omitted. The optional alternative designs were generally used since they represent improved or simplified fabrication methods.

In the creation of this documentation package, a number of issues became quite obvious and apparent: To begin with, it is doubtful the multitude of the very complex and intricate features found on the many parts of the M1911-A1 were present, or even necessary, in John M. Browning's original design before Colt and the government got hold of it. This sort of complexity was just not his style, and moreover, is probably the result of too many cooks stirring the soup. The result is a firearm that is simply too expensive to fabricate for today's consumer market, without radical simplification. Hence, resulting "copies" of the M1911-A1 are now being produced by many very expert manufacturers, that when disassembled and measured would bear little resemblance to what is described in this package. For ***my money*** and in my opinion, the modern "copies" are usually better weapons than the so-called "original", and are probably closer to what John Browning originally intended.

NOTES:

1. PISTOL IS SHOWN IN CONDITION ONE, COCKED, LOCKED AND LOADED.
2. ∅.0625±.0005 MATCH DRILL AT ASSY THRU EXISTING HOLE IN ITEM 1, RECEIVER, AND LONG LEG OF ITEM 22, EJECTOR, PRIOR TO PRESS-FIT ITEM 23, EJECTOR PIN.

REVISION HISTORY				
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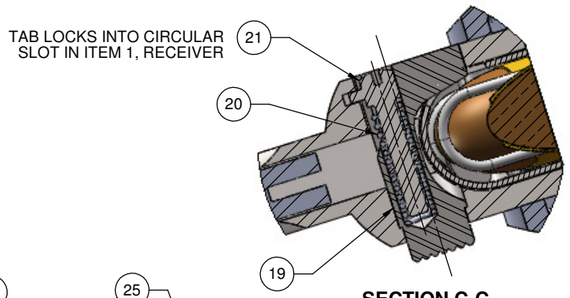
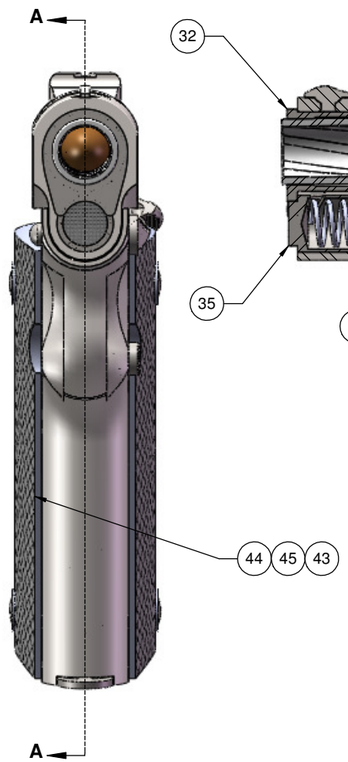
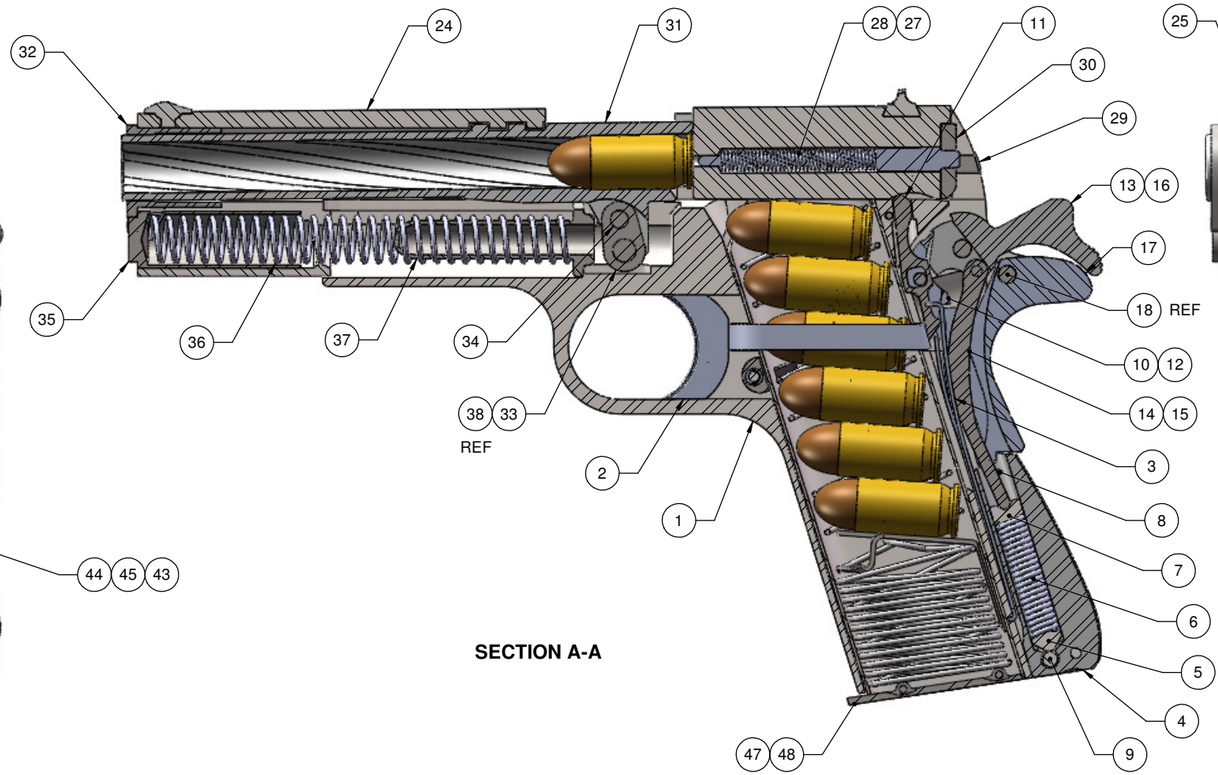
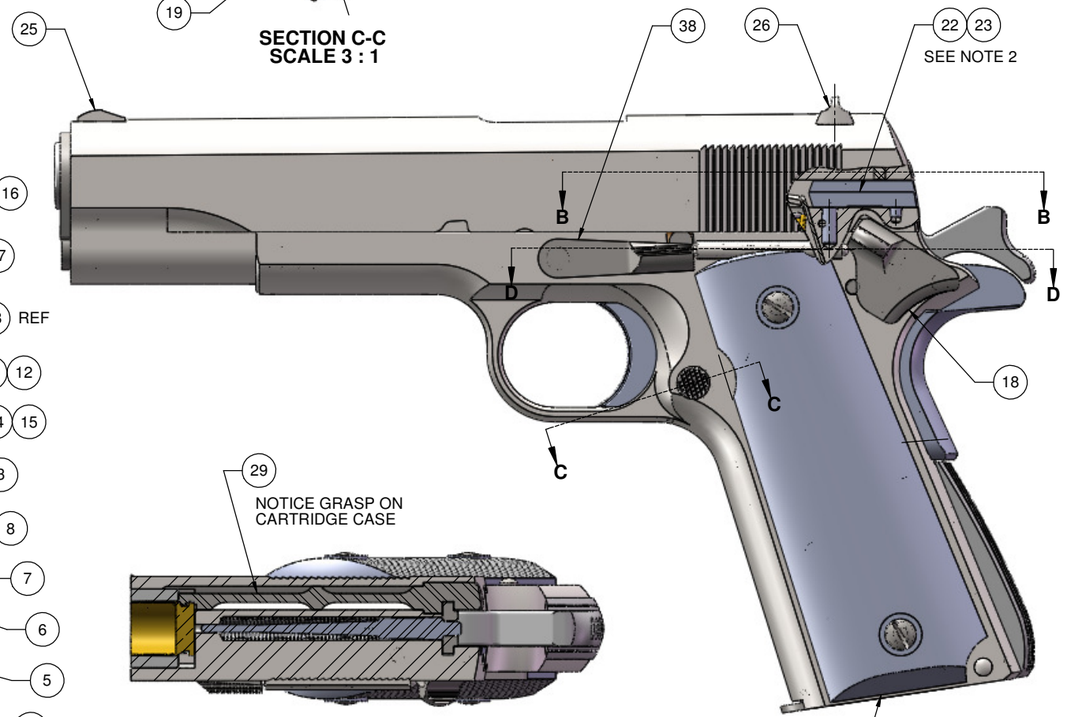


SECTION C-C
SCALE 3 : 1





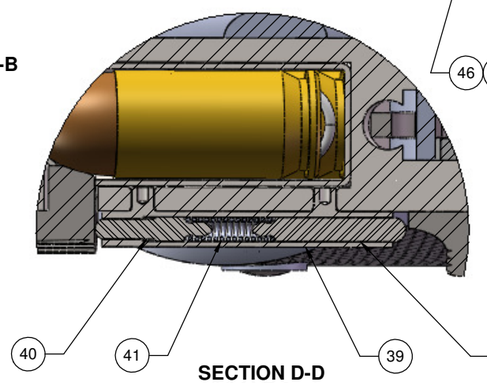
SECTION A-A



SECTION B-B

BOM Table			
ITEM	QTY.	PartNo	DESCRIPTION
1	1	6535359	RECEIVER
2	1	6147780	TRIGGER ASSEMBLY
3	1	6008602	SPRING, SEAR [MFA]
4	1	5503841	HOUSING, MAINSPRING
5	1	5013213	PIN, RETAINER, MAINSPRING HOUSING
6	1	5013208	MAINSPRING
7	1	5013209	CAP, MAINSPRING
8	1	BC10091602	PIN, MAINSPRING CAP
9	1	5013212	PIN, MAINSPRING HOUSING
10	1	7268068	SEAR
11	1	6008603	DISCONNECTOR
12	1	5013211	PIN, SEAR
13	1	5503839	HAMMER
14	1	6008600	STRUT, HAMMER
15	1	5013207	PIN, HAMMER STRUT
16	1	5013206	PIN, HAMMER
17	1	6501828	SAFETY, GRIP
18	1	5503840	LOCK, SAFETY
19	1	6008609	CATCH, MAGAZINE
20	1	5013217	SPRING, MAGAZINE CATCH
21	1	5013218	LOCK, MAGAZINE CATCH
22	1	6019024	EJECTOR
23	1	5013203	PIN, EJECTOR
24	1	7790314	SLIDE

BOM Table			
ITEM	QTY.	PartNo	DESCRIPTION
25	1	5013197	SIGHT, FRONT
26	1	5013196	SIGHT, REAR
27	1	5013204	SPRING, FIRING PIN
28	1	6008599	PIN, FIRING
29	1	6008598	EXTRACTOR
30	1	5013205	STOP, FIRING PIN
31	1	7791193	BARREL
32	1	6008596	BUSHING, BARREL
33	1	7267771	LINK, BARREL
34	1	5013199	PIN, BARREL LINK
35	1	5013201	PLUG, RECOIL SPRING
36	1	5013200	SPRING, RECOIL
37	1	6008597	GUIDE, RECOIL SPRING
38	1	6008595	STOP, SLIDE
39	1	6008594	TUBE, PLUNGER
40	1	5013193	PLUNGER, SLIDE STOP
41	1	5013194	SPRING, PLUNGER
42	1	5013195	PLUNGER, SAFETY LOCK
43	4	6019022	BUSHING, STOCK SCREW
44	1	5564062	STOCK, RH, PLASTIC
45	4	6019023	SCREW, STOCK
46	1	BC10090501	STOCK, LH, PLASTIC
47	1	NONE	CARTRIDGE - REFERENCE ONLY
48	1	BC10091603	MAGAZINE ASSY



SECTION D-D
SCALE 3 : 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°.
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005.
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .01 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	09/25/2010
DRAWN	R Benson	09/29/2010
ENGRG		
MFG		
QA		

MATERIAL: N/A
HEAT TREAT:
FINISH: N/A

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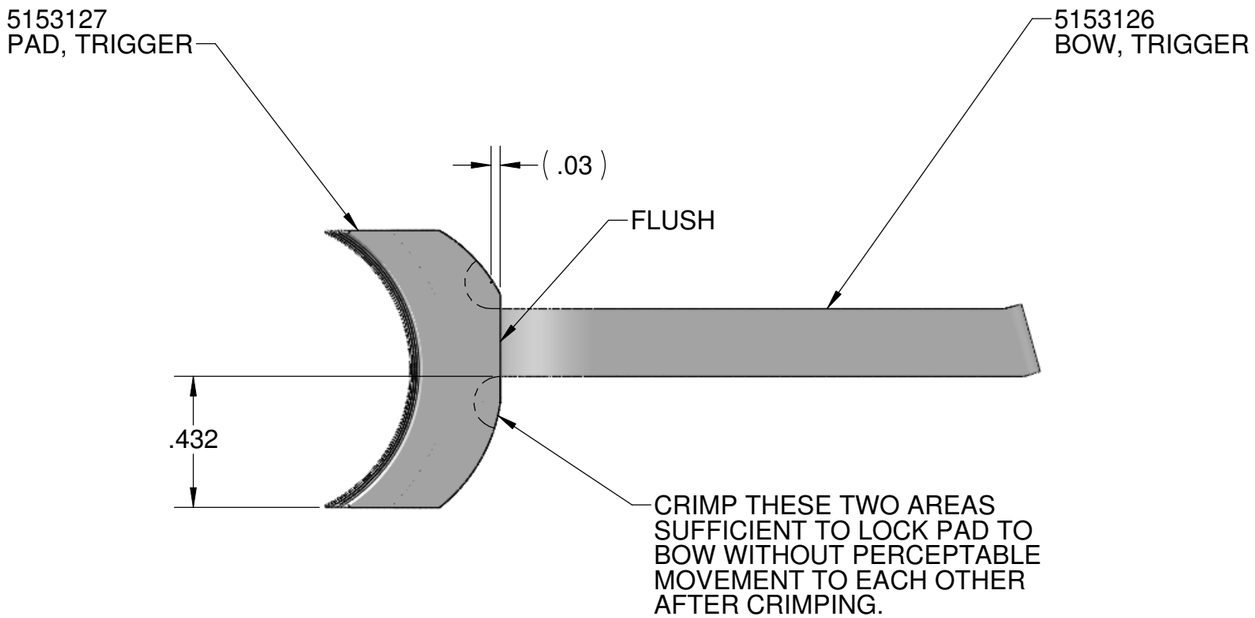
TITLE
M1911-A1 REDUX ASSEMBLY
—
1st MADE FOR: **M1911-A1 REDUX**

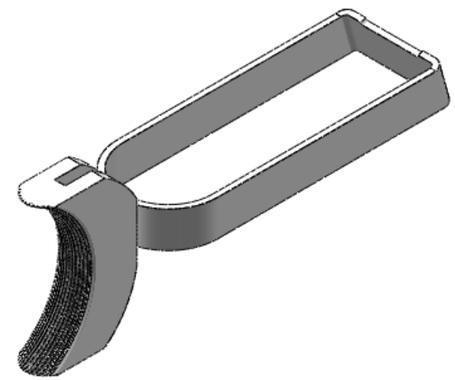
SIZE: D | DWG NO.: BC10092701 | REV: -
SCALE: 3:2 | WEIGHT: 2.98 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



NOTES:

1. REFINISH, IF NECESSARY AFTER CRIMPING, IAW PARA 5.3.1.2 OF MIL-STD-171.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	07/30/2010
DRAWN	R Benson	09/12/2010
ENGRG		
MFG		
QA		

MATERIAL: PER CALLOUT

HEAT TREAT:

FINISH: SEE NOTE 1

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TITLE

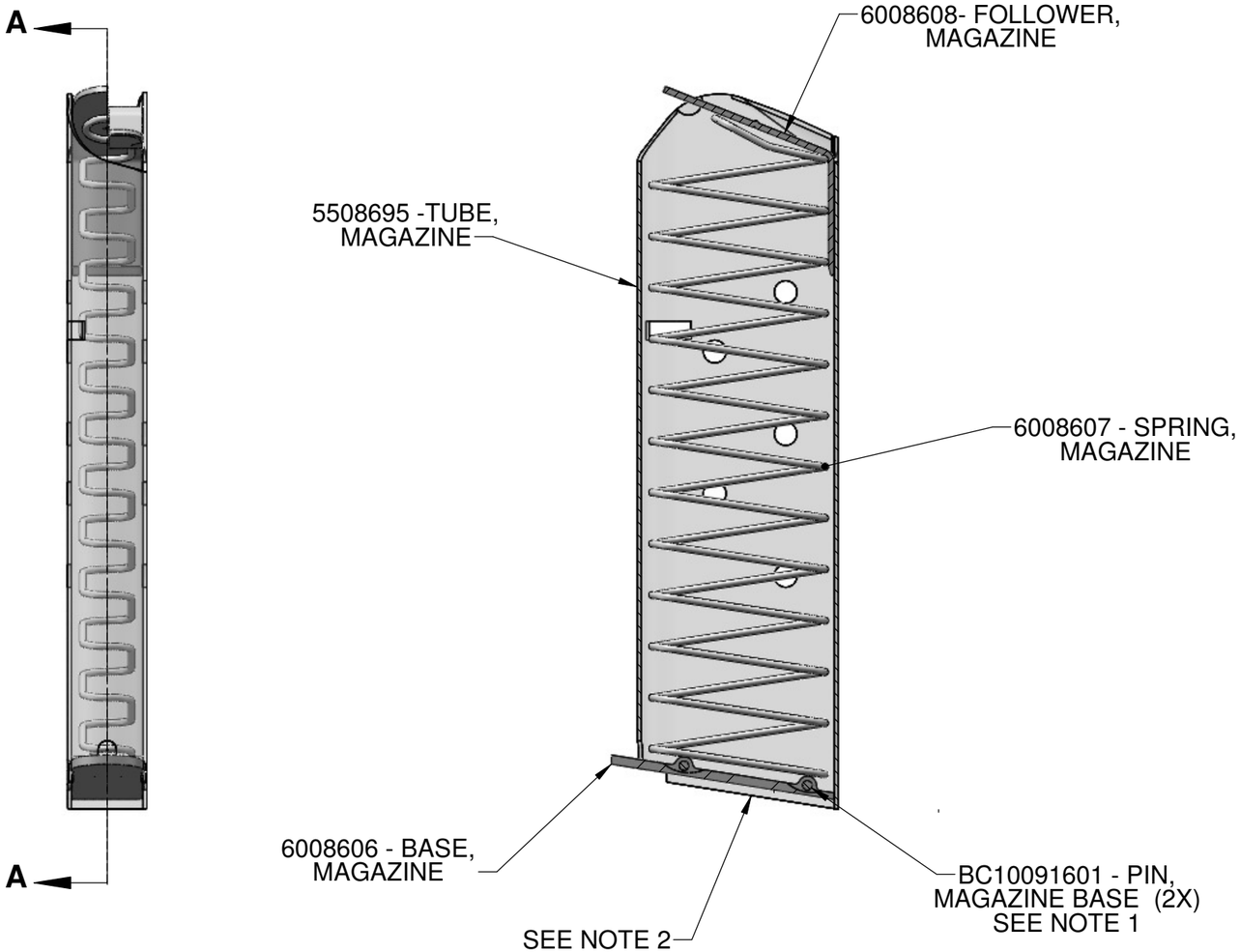
TRIGGER ASSEMBLY

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	6147780	X

SCALE: 2:1 | WEIGHT: 0.03 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



SECTION A-A

NOTES:

1. PEIN OVER PIN END TO FILL HOLE CSK, BOTH SIDES, TO FIRMLY RIVET TUBE TO BASE. GRIND SMOOTH, FLUSH WITH TUBE. 2 PLACES.
2. GRIND PROTRUDING TUBE FLUSH WITH BASE ON 3 SIDES.
3. MAGAZINE TUBE SHOWN TRANSPARENT FOR ILLUSTRATION PURPOSES.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/23/2010
DRAWN	R Benson	09/16/2010
ENGRG		
MFG		
QA		

MATERIAL: DRAWING CALLOUTS

HEAT TREAT:

FINISH:

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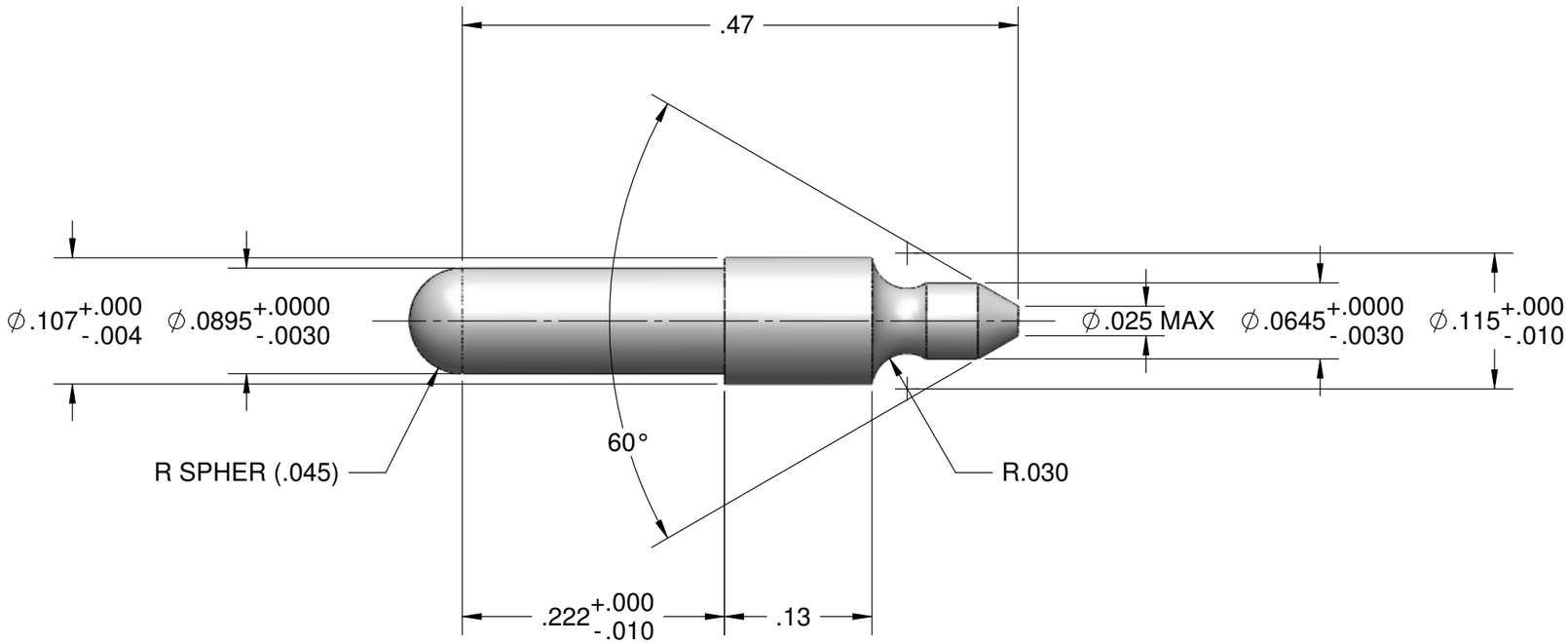
TITLE: MAGAZINE ASSY, M1911-A1 PISTOL

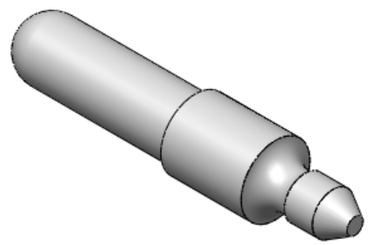
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	BC10091603	-

SCALE: 1:1 | WEIGHT: 0.36 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/22/2010
DRAWN	R Benson	08/29/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL 1117 ASTM A108

HEAT TREAT: CASE DP .002-.005, RH 15-N 78-82

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

PLUNGER,
SLIDE STOP

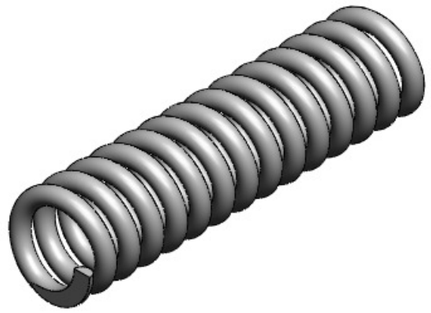
—

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013193	X

SCALE: 8:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



MODEL SHOWN COMPRESSED FOR ASSEMBLY

DIAMETER OF WIRE	.018
DIAMETER OF COIL (OD)	.104 ±.003
FREE LENGTH	(.593)
ACTIVE COILS	12.5
TOTAL COILS	14.5
DIRECTION OF HELIX	CCW
LOAD AT COMPRESSED LENGTH OF	.400 = 2.50 ± .50 LB
SPRING RATE	(.160 LB/INCH)
SOLID LENGTH	.279 MAX
TYPE OF ENDS	SQUARED & GROUND
HOLE DIA INTO WHICH SPRING FITS FREELY	.109 MIN
ROD DIA OVER WHICH SPRING SLIDES FREELY	----- MAX

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS 13572.
2. STRESS RELIEVE AT 450°F FOR 20 MINUTES AFTER FORMING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/29/2010
DRAWN	R Benson	08/29/2010
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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TITLE

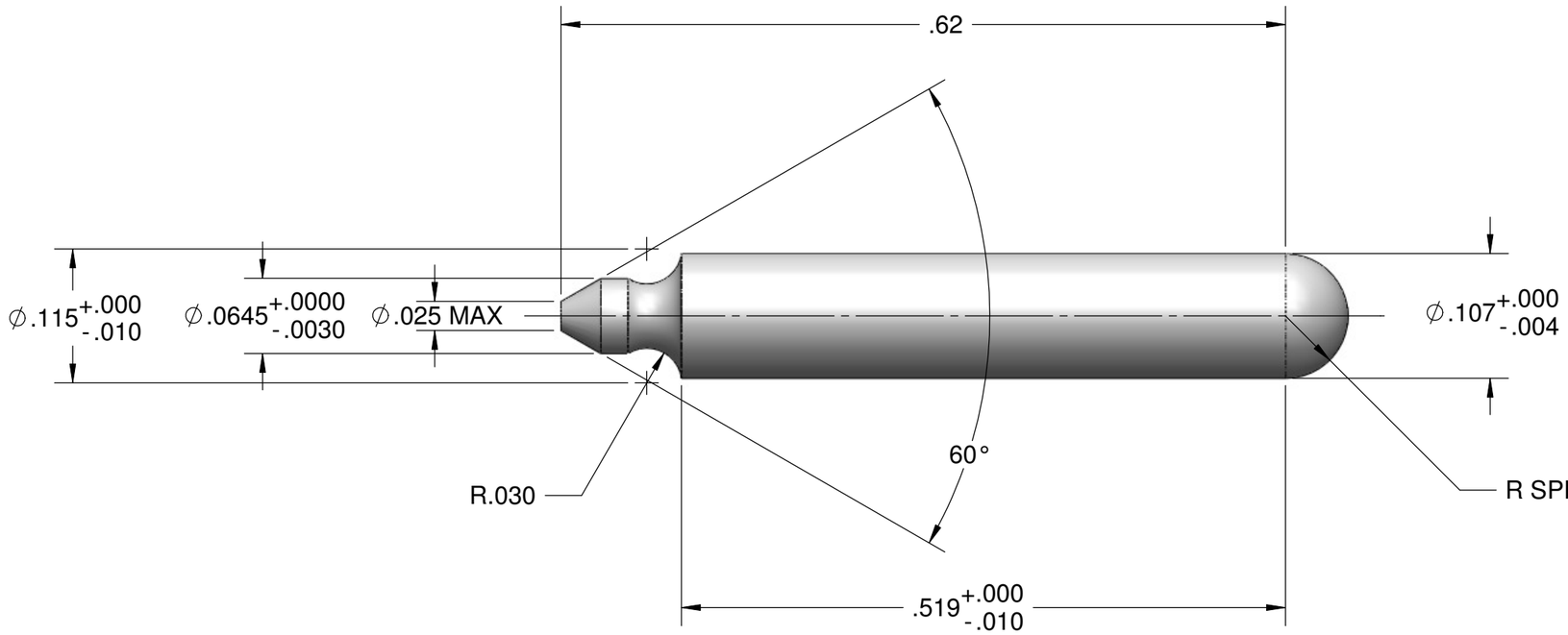
SPRING, PLUNGER

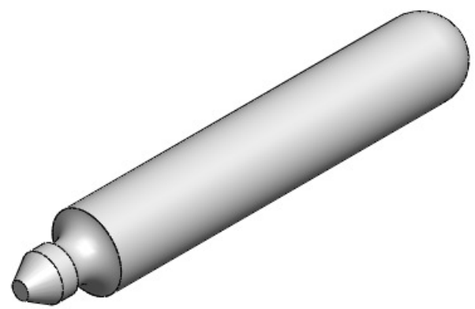
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013194	X

SCALE: 8:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/21/2010
DRAWN	R Benson	08/29/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL 1117 ASTM A108

HEAT TREAT: CASE DP .002-.005, RH 15-N 78-82

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

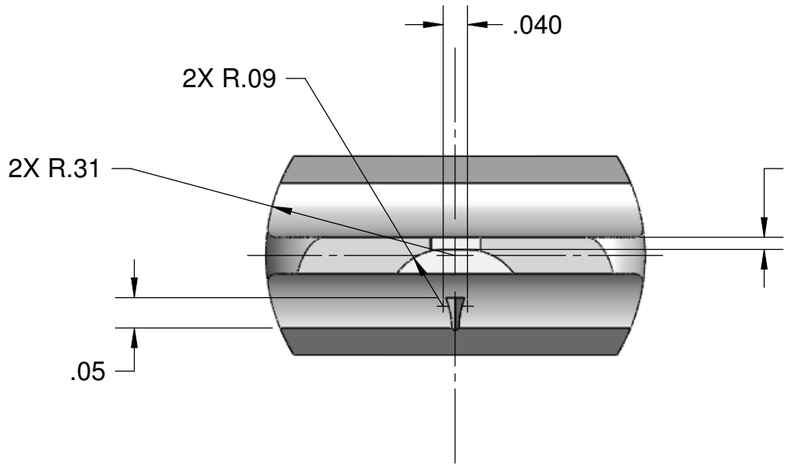
PLUNGER,
SAFETY LOCK

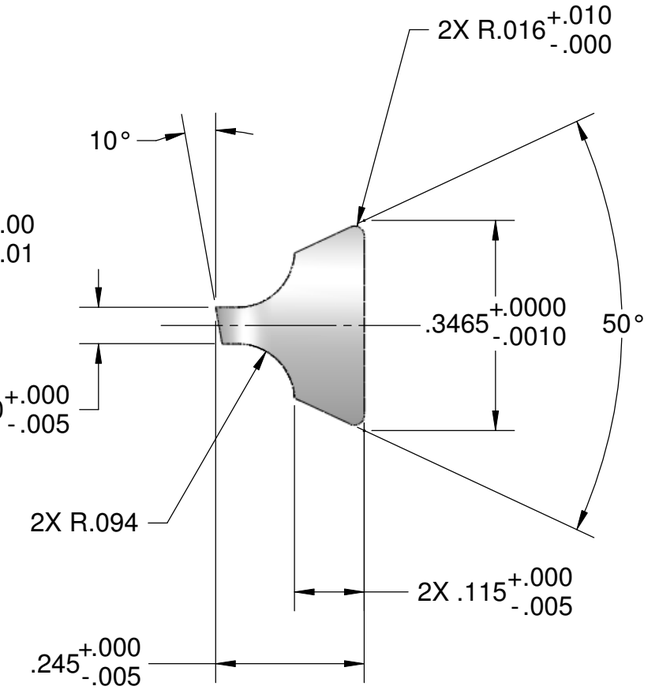
1st MADE FOR: M1911-A1 REDUX

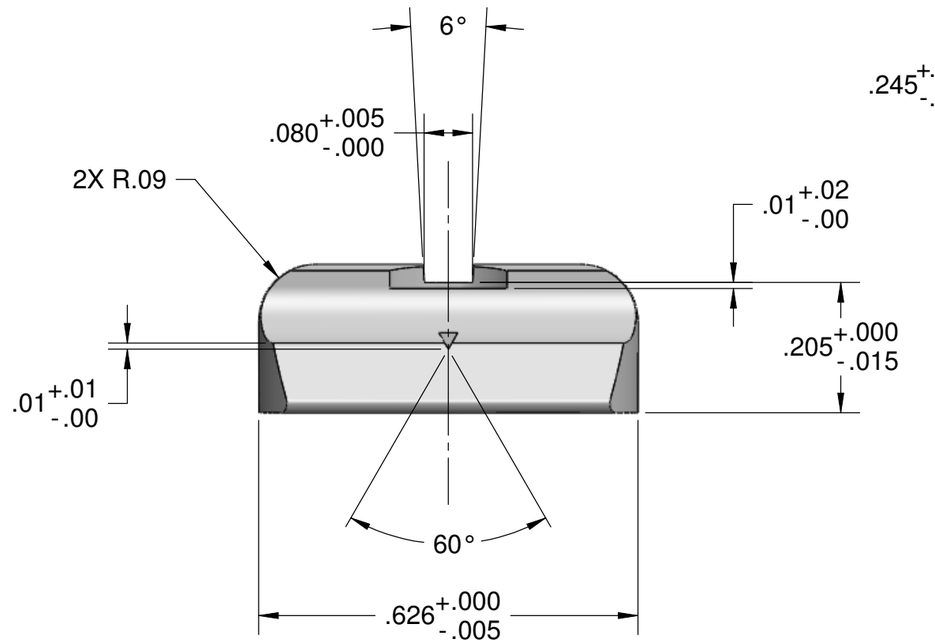
SIZE	DWG NO	REV
B	5013195	X

SCALE: 8:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD







NOTES:

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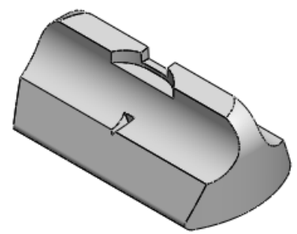
   WROUGHT: STEEL, 1018, ASTM A108.
   CAST: STEEL, IC-1020, ASTM A732.



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/22/2010
DRAWN	R Benson	08/29/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT:

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

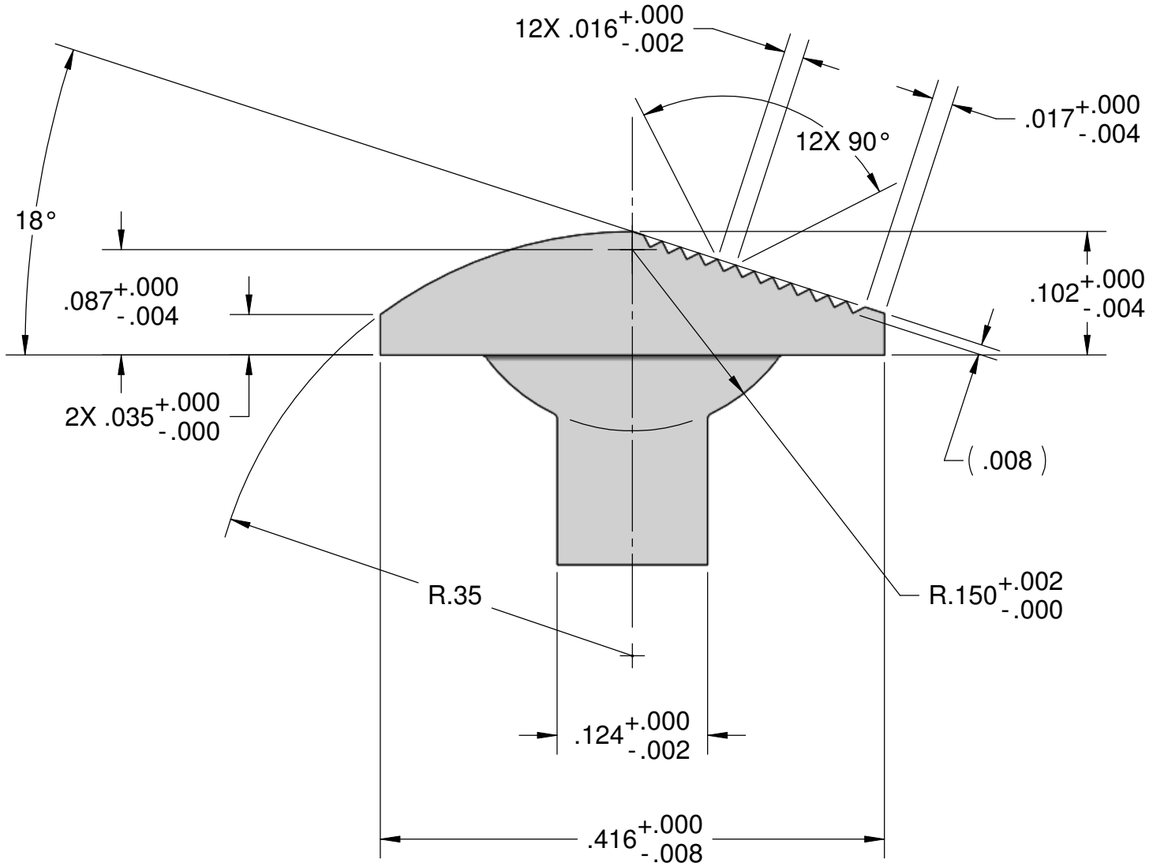
SIGHT, REAR

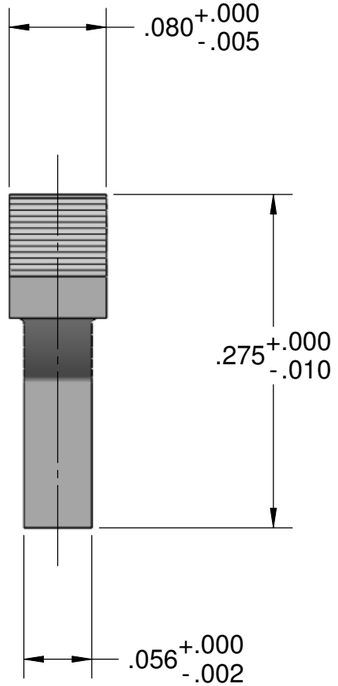
1st MADE FOR: M1911-A1 REDUX

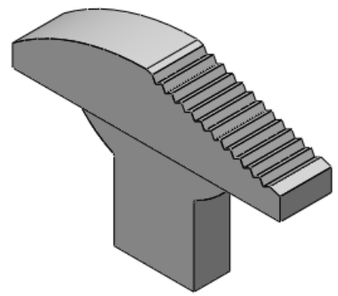
SIZE	DWG NO	REV
B	5013196	X

SCALE: 4:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD







UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/22/2010
	DRAWN	R Benson	08/30/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1018, ASTM A108		
	HEAT TREAT:		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

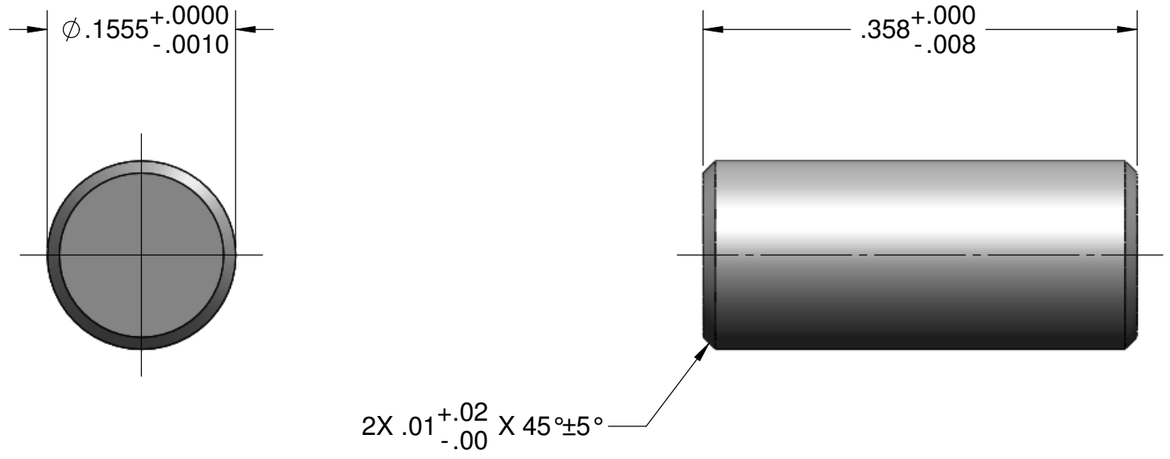
SIGHT, FRONT

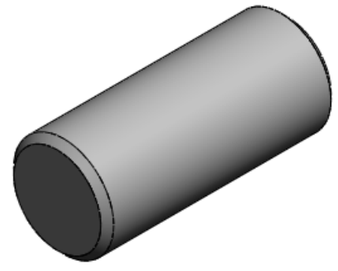
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013197	X

SCALE: 8:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP EDGES .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	07/30/2010
DRAWN	R Benson	08/05/2010
ENGRG		
MFG		
QA		

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 43.5-50

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

PIN, BARREL LINK

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013199	X

SCALE: 8:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

MODEL SHOWN COMPRESSED FOR ASSEMBLY

DIAMETER OF WIRE	.043
DIAMETER OF COIL (OD)	.430 ±.005
FREE LENGTH	(6.55)
ACTIVE COILS	29
TOTAL COILS	30
DIRECTION OF HELIX	CCW
LOAD AT COMPRESSED LENGTH OF	3.72 = 8.00 ± .50 LB
LOAD AT COMPRESSED LENGTH OF	1.81 = 13.55 ± .60 LB
SPRING RATE	(2.88 LB/INCH)
SOLID LENGTH	1.375 MAX
TYPE OF ENDS	NOT SQUARED OR CLOSED
HOLE DIA INTO WHICH SPRING FITS FREELY	.448 MIN
ROD DIA OVER WHICH SPRING SLIDES FREELY	.336 MAX *
CRIMP ONE END OF COIL TO	.326 +.000 -.010 ID

* EXCEPT FOR CRIMPED END.

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS 13572.
2. STRESS RELIEVE AT 450°F FOR 20 MINUTES AFTER FORMING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP EDGES .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/23/2010
DRAWN	R Benson	08/30/2010
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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TITLE

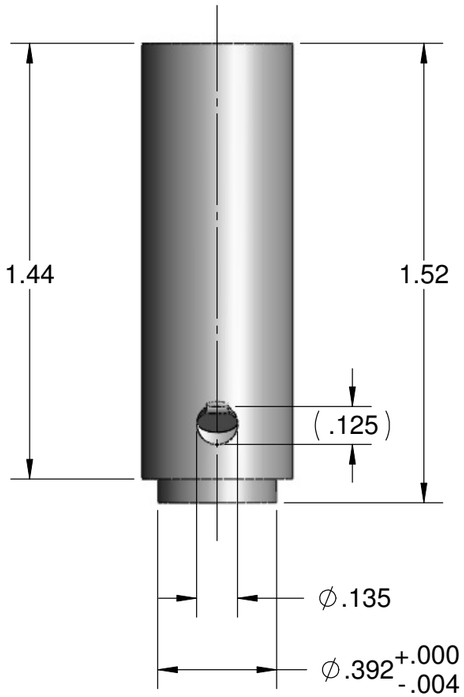
SPRING, RECOIL

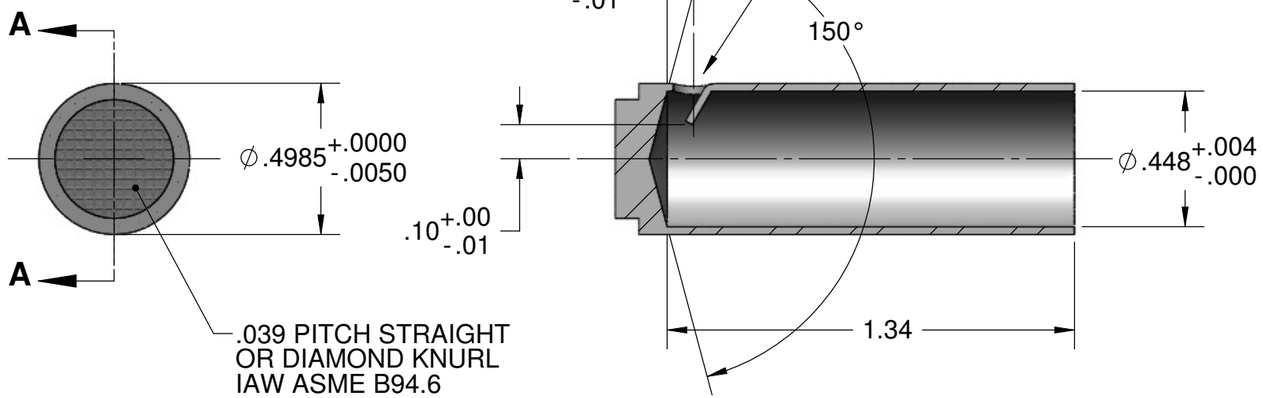
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013200	X

SCALE: 1:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

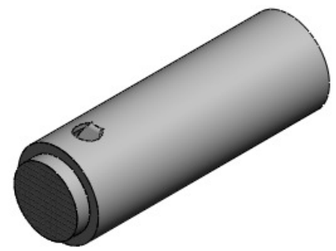




SECTION A-A

NOTES:

1. HELICAL COMPRESSION SPRING OF ∅.043 WIRE, .430 OD, .218 PITCH SHALL ENTER FOR A MINIMUM DISTANCE OF 1/4 COIL.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/12/2010
DRAWN	R Benson	08/30/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL 1018 ASTM A108

HEAT TREAT:

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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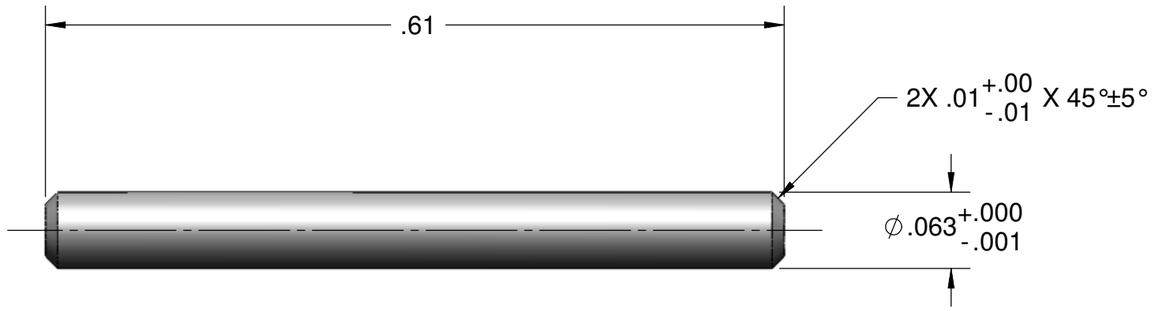
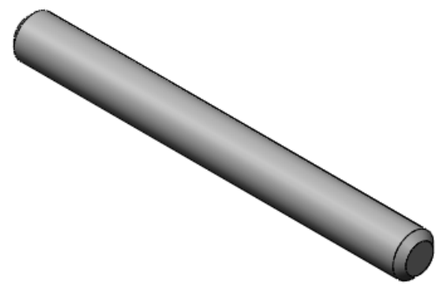
TITLE
PLUG,
RECOIL SPRING
—
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013201	X

SCALE: 2:1 | WEIGHT: 0.02 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/18/2010
DRAWN	R Benson	08/30/2010
ENGRG		
MFG		
QA		

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 34.5-41

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

PIN, EJECTOR

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013203	X

SCALE: 8:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

MODEL IS SHOWN COMPRESSED FOR ASSEMBLY

DIAMETER OF WIRE ..... .026

DIAMETER OF COIL (OD) ..... .207 ±.005

FREE LENGTH ..... (1.70)

ACTIVE COILS 38

TOTAL COILS 40

DIRECTION OF HELIX ..... OPTIONAL

LOAD AT COMPRESSED LENGTH OF ..... 1.36 = 1.030 ± .135 LB

SPRING RATE ..... (3.0 LB/INCH)

SOLID LENGTH ..... 1.066 MAX

TYPE OF ENDS ..... SQUARED AND GROUND

HOLE DIA INTO WHICH SPRING FITS FREELY ..... .219 MIN

ROD DIA OVER WHICH SPRING SLIDES FREELY .... .150 MAX *

CRIMP ONE END OF COIL TO ..... .135 +.010 -.000 ID

* EXCEPT FOR CRIMPED END.

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS 13572.
2. STRESS RELIEVE AT 450°F FOR 20 MINUTES AFTER FORMING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/23/2010
DRAWN	R Benson	
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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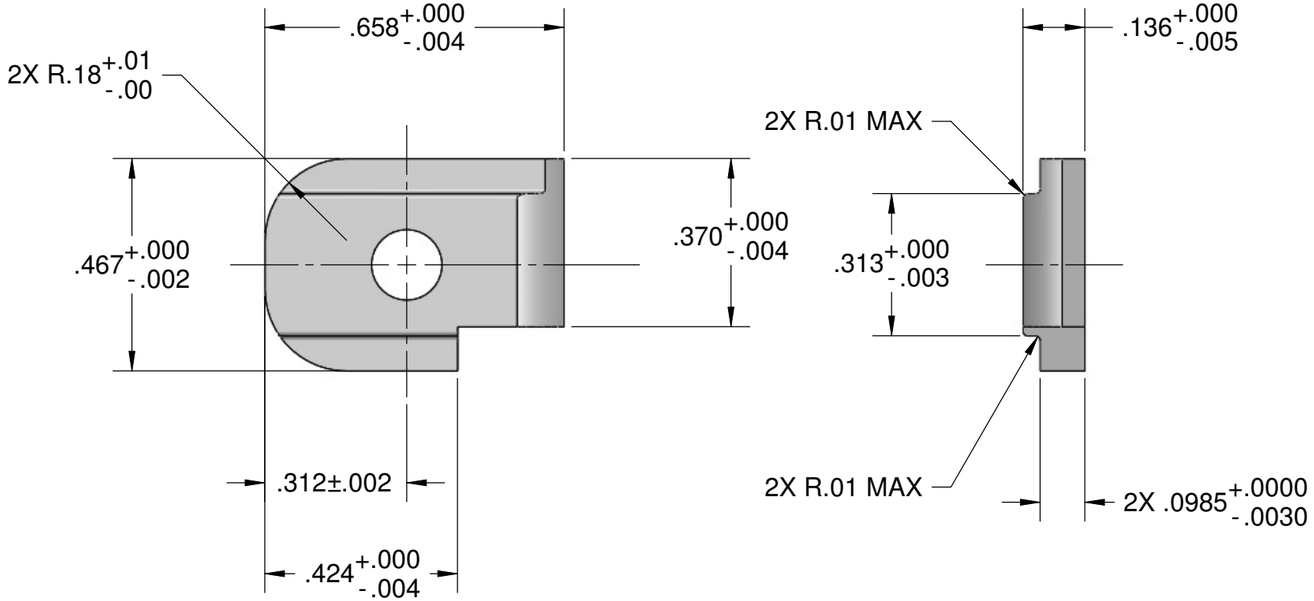
TITLE
SPRING,
FIRING PIN

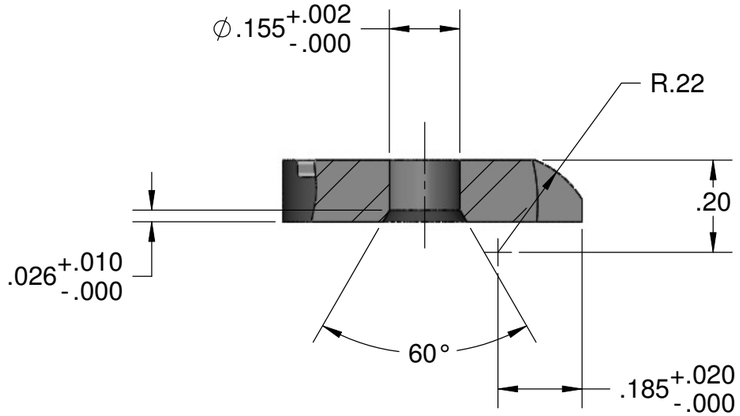
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013204	X

SCALE: 3:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

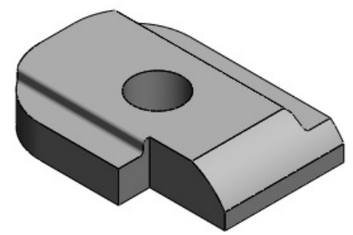
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 4140, ASTM A108; AUSTENITIC GRAIN SIZE 6 OR FINER.
   CAST: STEEL, IC 4140, ASTM A732.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/12/2010
DRAWN	R Benson	08/30/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT: RH C 43.5-50

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

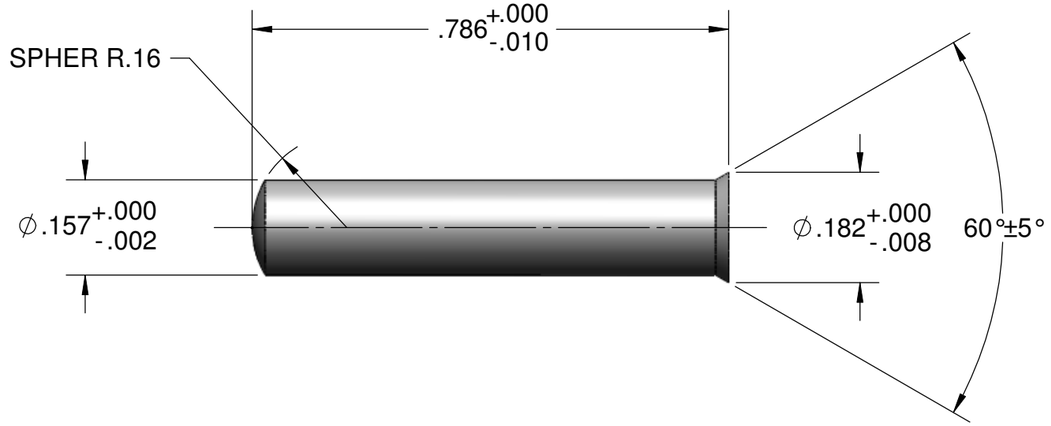
STOP, FIRING PIN

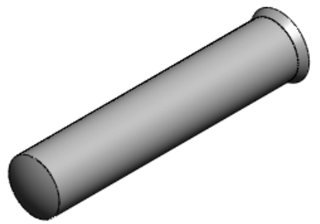
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013205	X

SCALE: 8:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP EDGES .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/17/2010
DRAWN	R Benson	08/30/2010
ENGRG		
MFG		
QA		

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 48-52

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

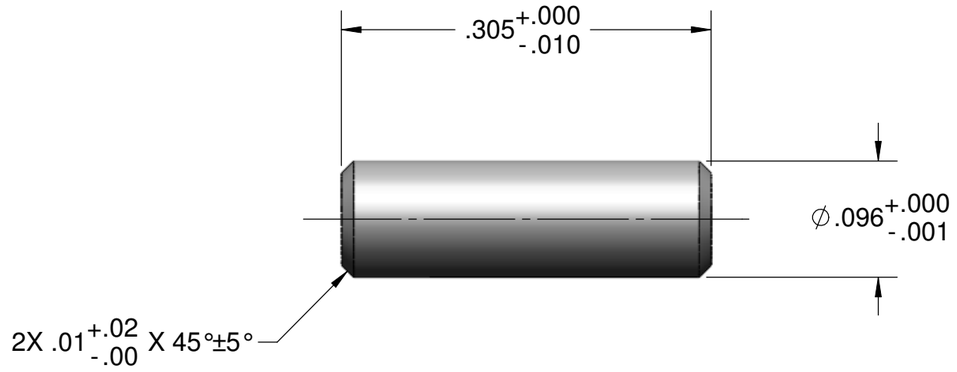
PIN, HAMMER

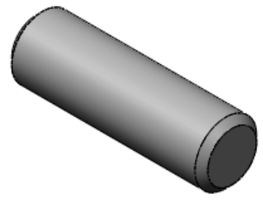
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013206	X

SCALE: 4:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005 FAB FINISH: 125 MICROINCH BRK/FIL SHARP COR .005 MAX DIM & TOL IAW ASME Y14.5 - 1994		BY	DATE
	MODELED	R Benson	08/18/2010
	DRAWN	R Benson	08/31/2010
	ENGRG		
	MFG		
	QA		

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 39.5-46

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

PIN, HAMMER STRUT

1st MADE FOR: M1911-A1

SIZE	DWG NO	REV
B	5013207	X

SCALE: 12:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

MODEL IS SHOWN COMPRESSED FOR ASSEMBLY

DIAMETER OF WIRE ..... .045

DIAMETER OF COIL (OD) ..... .273 +.000 -.003

FREE LENGTH ..... (2.156)

ACTIVE COILS 19.5

TOTAL COILS 21.5

DIRECTION OF HELIX ..... CCW

LOAD AT COMPRESSED LENGTH OF ..... 1.312 = 22.0 ± 2.0 LB

LOAD AT COMPRESSED LENGTH OF ..... 1.062 = 29.5 ± 2.0 LB

SPRING RATE ..... (27.69 LB/INCH)

SOLID LENGTH ..... .968 MAX

TYPE OF ENDS ..... CLOSED, SQUARED & GROUND

ROD DIA OVER WHICH SPRING SLIDES FREELY .... .174 MAX*

CRIMP BOTH END COILS TO ..... .160 +.008 -.000 ID

*EXCEPT FOR CRIMPED ENDS: CHECK AT A STAGE OF MANUFACTURE OR BY CUTTING OFF CRIMP IN SAMPLE.

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS 13572.
2. STRESS RELIEVE AT 450°F FOR 20 MINUTES AFTER FORMING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/23/2010
DRAWN	R Benson	08/31/2010
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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TITLE

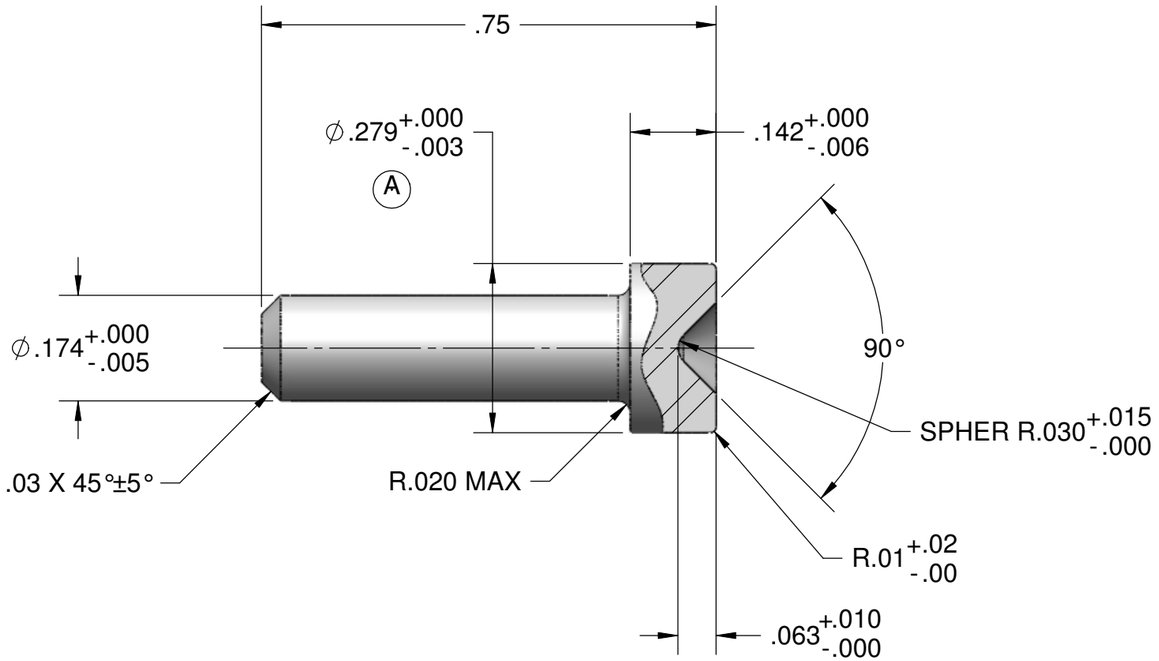
MAINSPRING

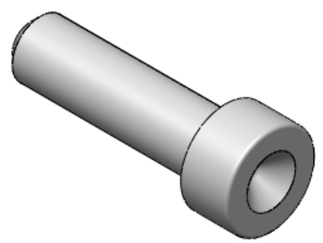
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013208	X

SCALE: 2:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD
A	ADDED MISSING ∅.279 DIMENSION	11/07/2010	R Benson





UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/17/2010
DRAWN	R Benson	08/31/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1117 ASTM A108

HEAT TREAT: CASE DP .003-.005, RH C 48-52

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

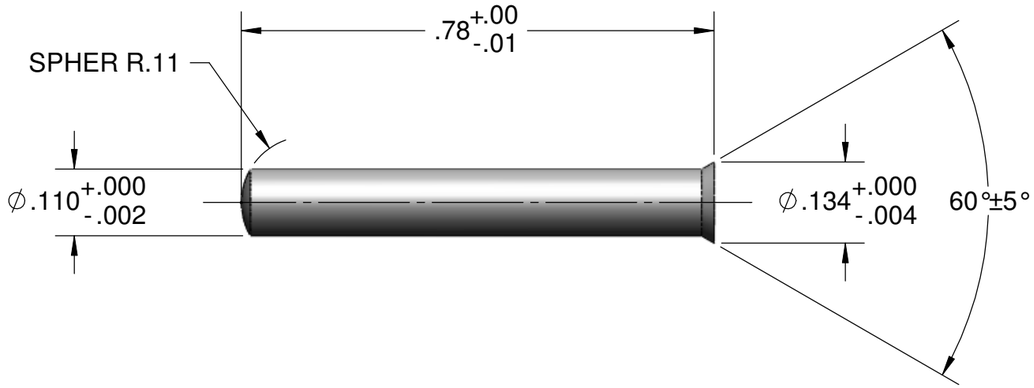
CAP, MAINSPRING

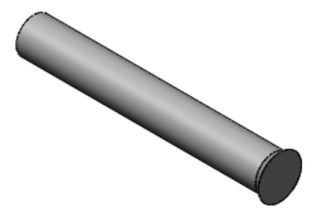
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013209	X

SCALE: 4:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/17/2010
DRAWN	R Benson	08/31/2010
ENGRG		
MFG		
QA		

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 48-52

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

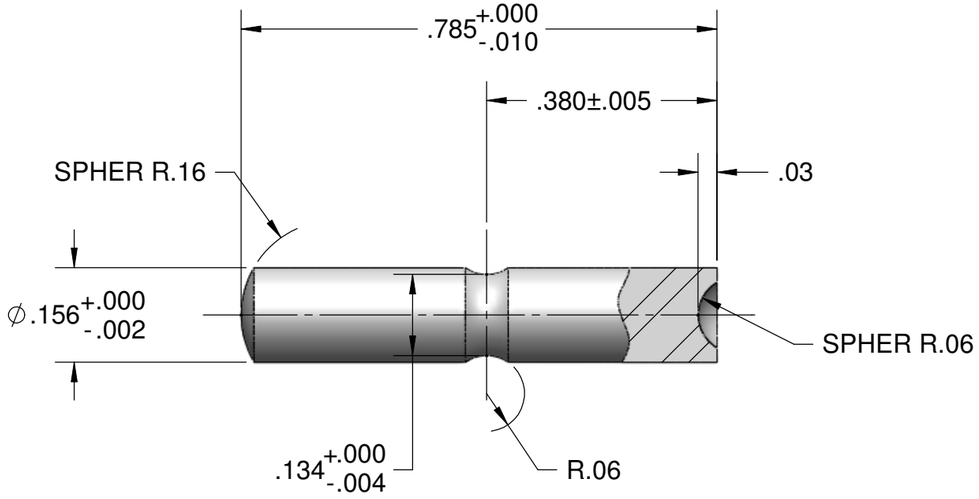
PIN, SEAR

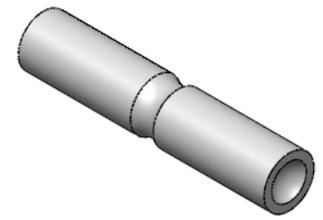
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013211	X

SCALE: 4:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005 SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/17/2010
	DRAWN	R Benson	08/31/2010
	ENGRG		
	MFG		
	QA		

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 43.5-50

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

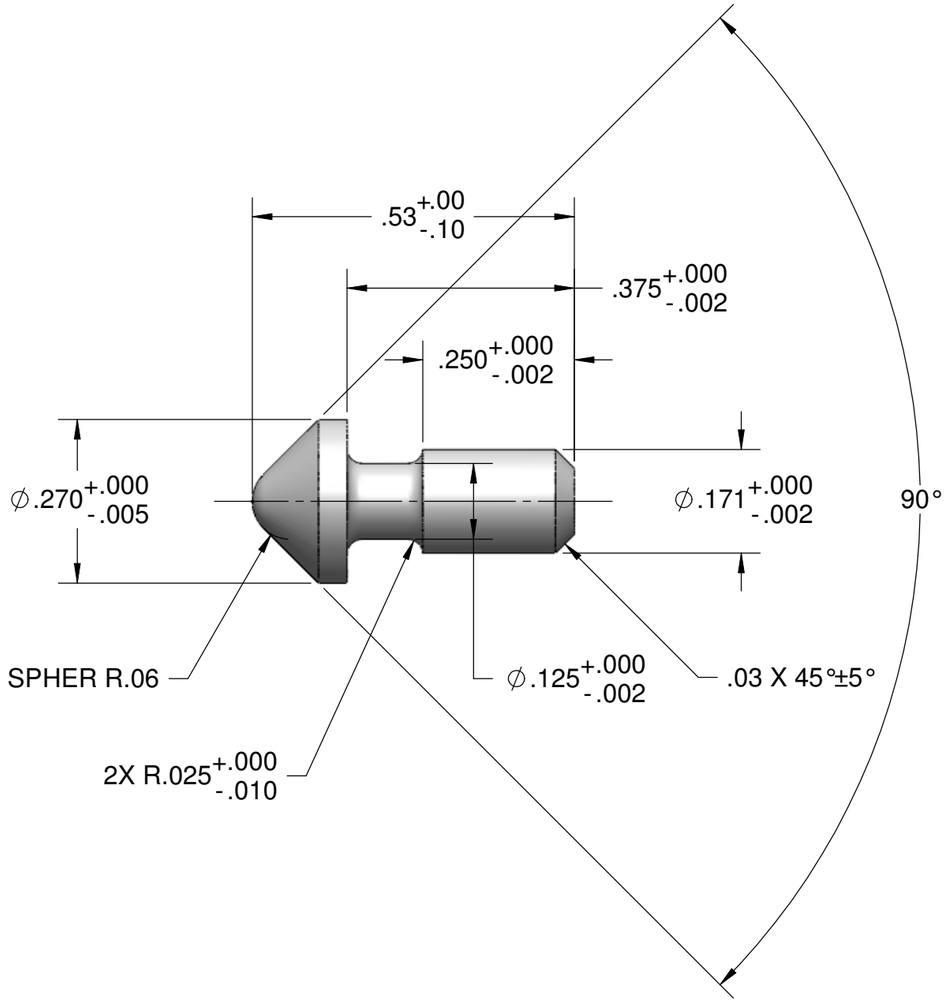
PIN, MAINSPRING HOUSING

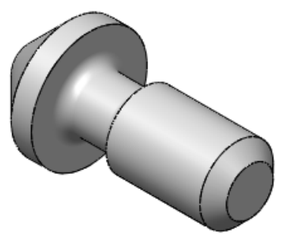
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013212	X

SCALE: 4:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/17/2010
DRAWN	R Benson	08/31/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL 1117 ASTM A108

HEAT TREAT: CASE DP .003-.005, RH C 48-52

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

PIN, RETAINER,
MAINSPRING HOUSING

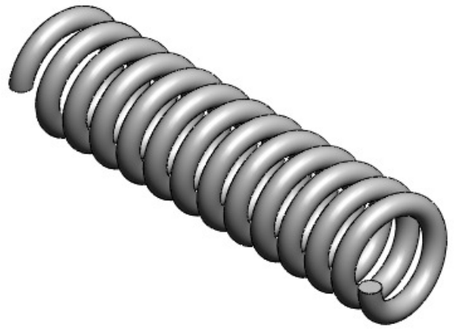
—

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013213	X

SCALE: 4:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



MODEL SHOWN COMPRESSED FOR ASSEMBLY

DIAMETER OF WIRE ..... (.026)

INSIDE DIAMETER (ID), FREE, NOT LESS THAN ..... .091

OUTSIDE DIAMETER (OD), SOLID, NOT MORE THAN .149

FREE LENGTH (APPROX) ..... .708

ACTIVE COILS ..... (11)

TOTAL COILS ..... (13)

DIRECTION OF HELIX ..... CW

LOAD AT COMPRESSED LENGTH OF ..... .550 = 5.7 ± .5 LB

LOAD AT COMPRESSED LENGTH OF ..... .456 = 8.5 ± .7 LB

SOLID LENGTH ..... .364 MAX

TYPE OF ENDS ..... PLAIN (OPEN ENDS, NOT GROUND)

HOLE DIA INTO WHICH SPRING FITS FREELY ..... .152 MIN

REDUCE ID OF LAST COIL ON BOTH ENDS TO ..... .085 +.000 -.010

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS 13572.
2. STRESS RELIEVE AT 450 °F FOR 20 MINUTES AFTER FORMING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/28/2010
DRAWN	R Benson	08/31/2010
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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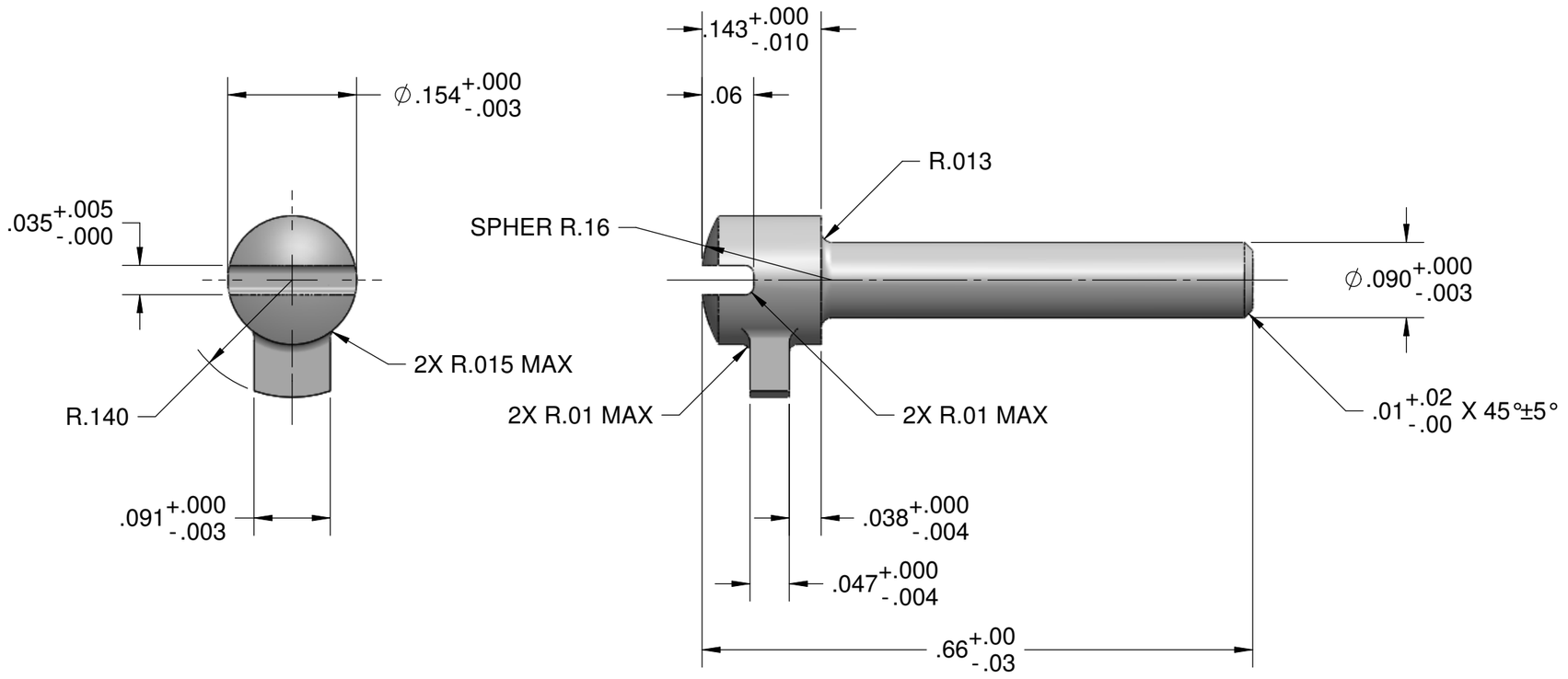
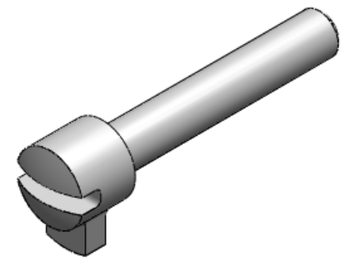
TITLE
SPRING,
MAGAZINE CATCH
—
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013217	X

SCALE: 6:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/16/2010
	DRAWN	R Benson	08/31/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1117 ASTM A108		
	HEAT TREAT: CASE DP .003-.005, RH C 48-52		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

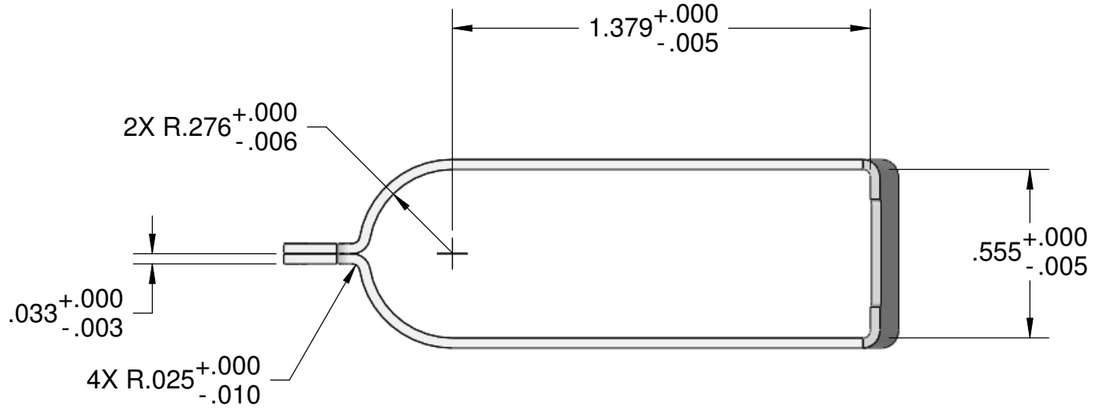
LOCK, MAGAZINE CATCH

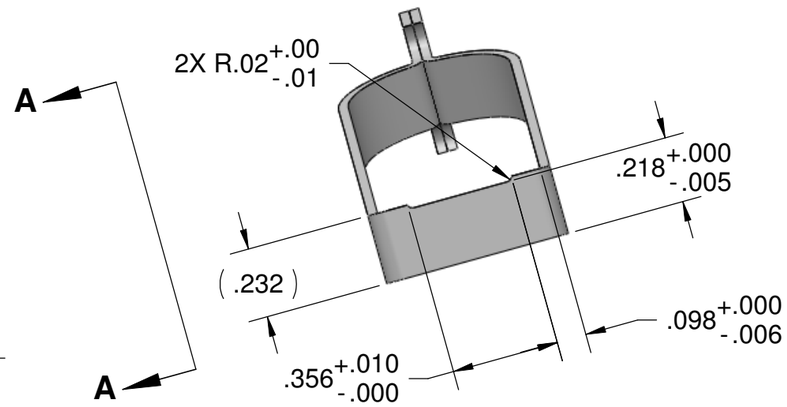
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5013218	X

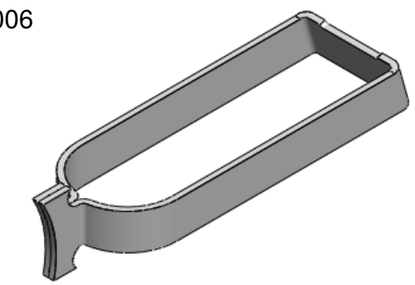
SCALE: 6:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





VIEW A-A



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	07/30/2010
	DRAWN	R Benson	09/01/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1018, ASTM A108		
	HEAT TREAT		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

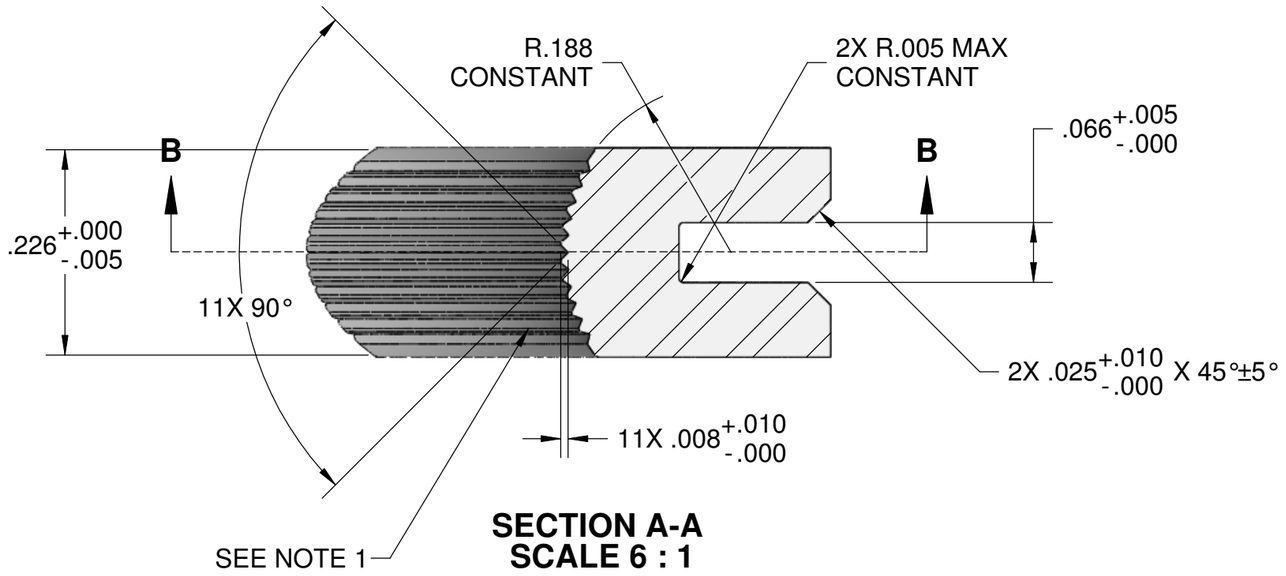
BOW, TRIGGER

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5153126	X

SCALE: 2:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

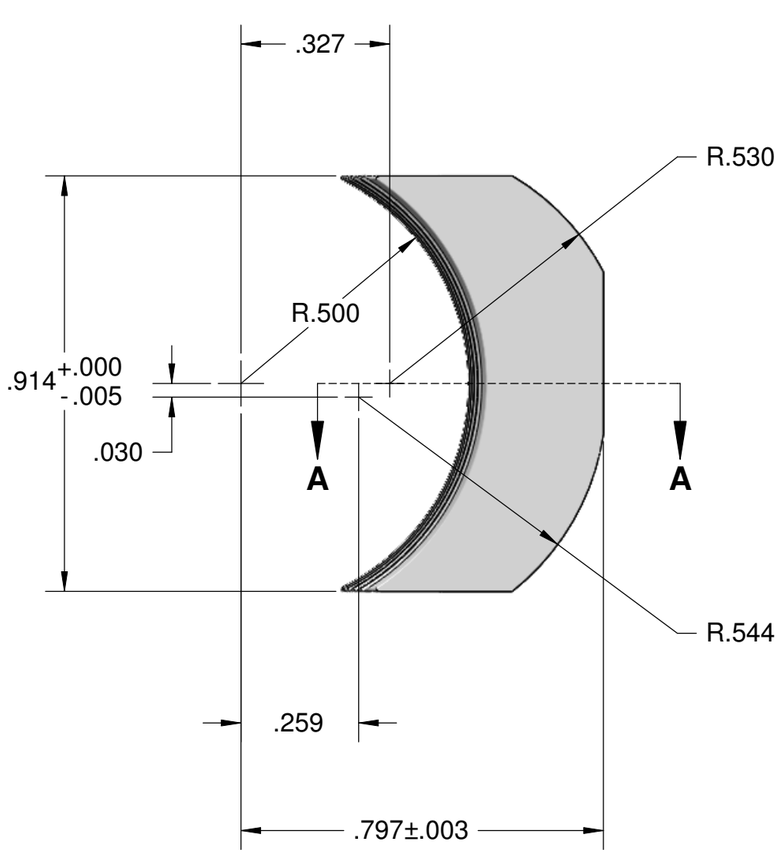
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

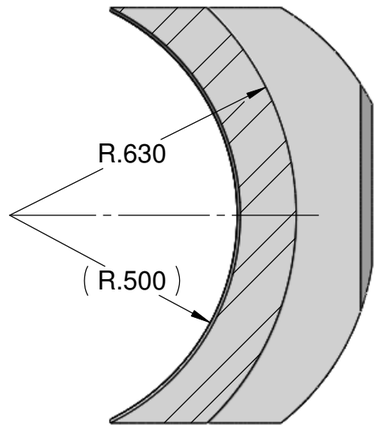


SECTION A-A
SCALE 6 : 1

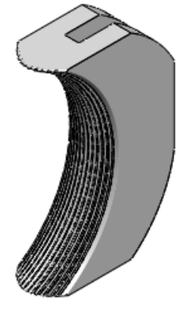
NOTES:

1. 11 CONTOURED GROOVES EQUALLY SPACED AT 5° AND CENTERED ABOUT CENTERLINE. GROOVES ARE CONTOURED ALONG BOTH THE R.500 AND R.188 SURFACES.





SECTION B-B



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/25/2010
	DRAWN	R Benson	09/01/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1018, ASTM A108		
	HEAT TREAT:		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

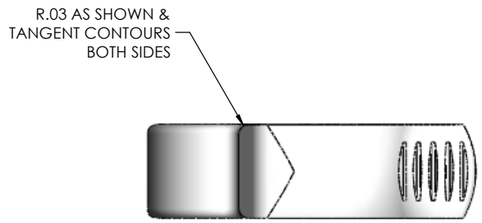
PAD, TRIGGER

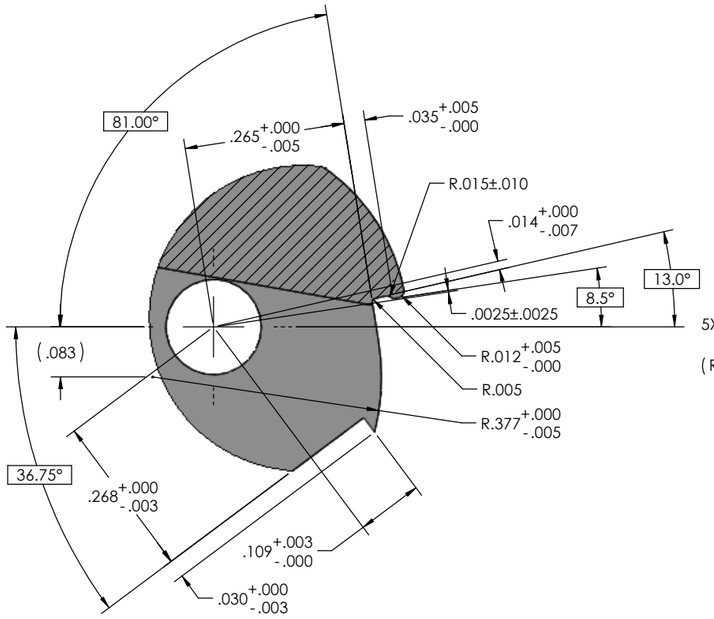
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	5153127	X

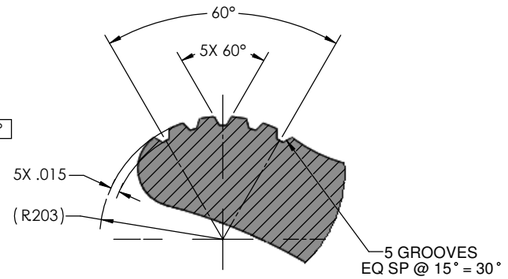
SCALE: 3:1	WEIGHT: 0.02 LB	SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD
ALL	A	REVISED & REDRAWN PER MORE LEGIBLE DATA	11/07/2010	R Benson





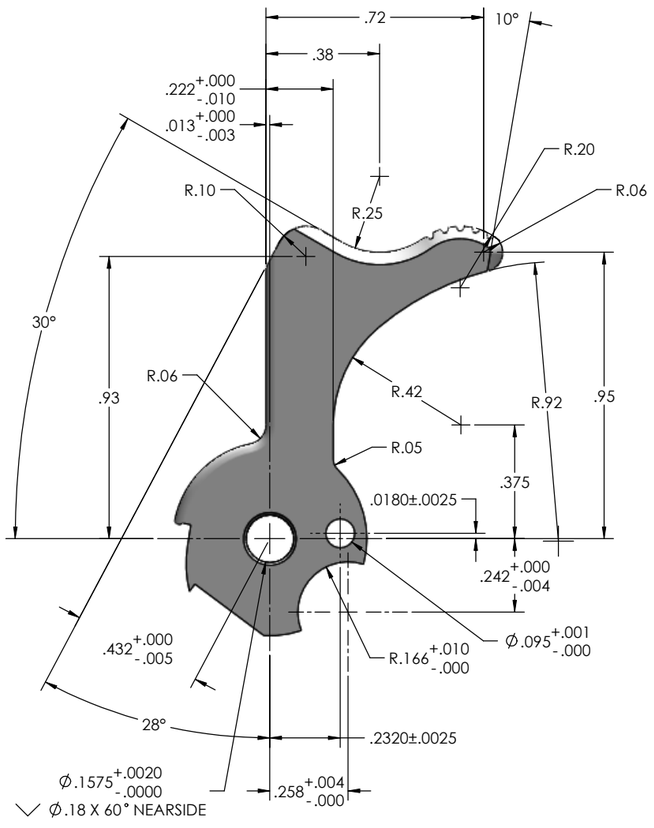
DETAIL B
SCALE 8 : 1

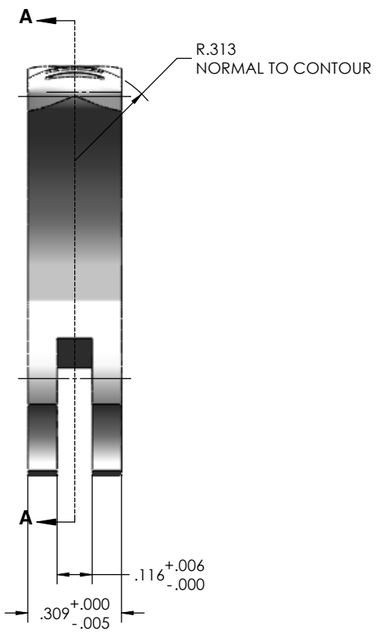


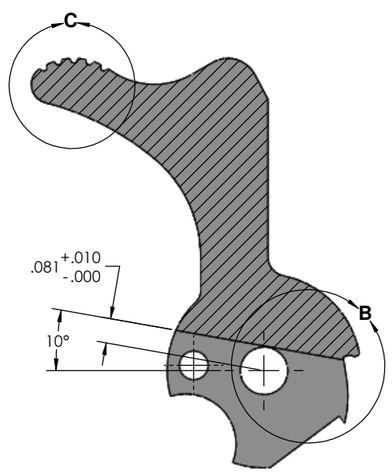
DETAIL C
SCALE 8 : 1

NOTES:

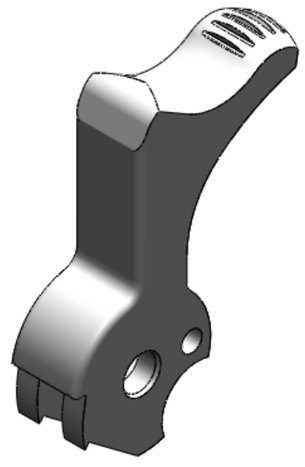
1. MATERIAL:
   WROUGHT: STEEL, 4140, ASTM A108,
   AUSTENITIC GRAIN SIZE 6 OR FINER.
   CASTING: STEEL, IC 4140, ASTM A732.







SECTION A-A



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°. 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005. SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .01 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/17/2010
DRAWN	R Benson	09/01/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 43.5 - 50
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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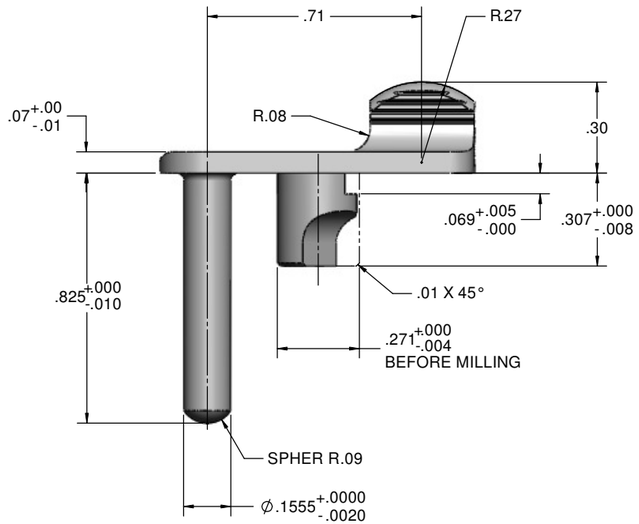
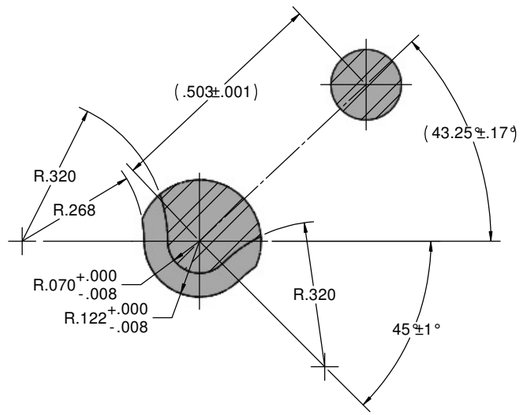
TITLE
HAMMER
—
1st MADE FOR: **M1911-A1**

SIZE **D** | DWG NO. 5503839 | REV A

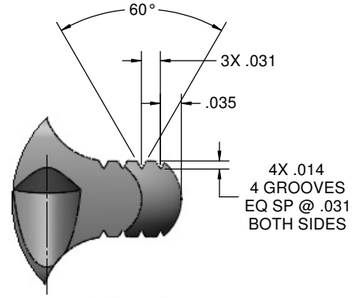
SCALE: 4:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

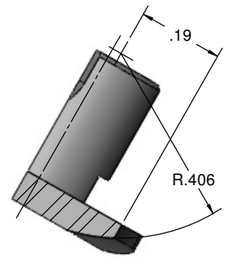




SECTION A-A
SCALE 6 : 1



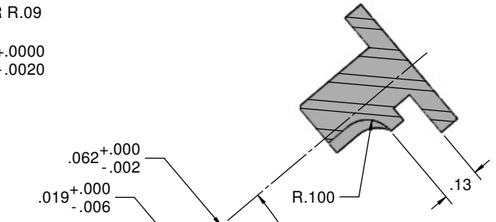
DETAIL B
SCALE 8 : 1



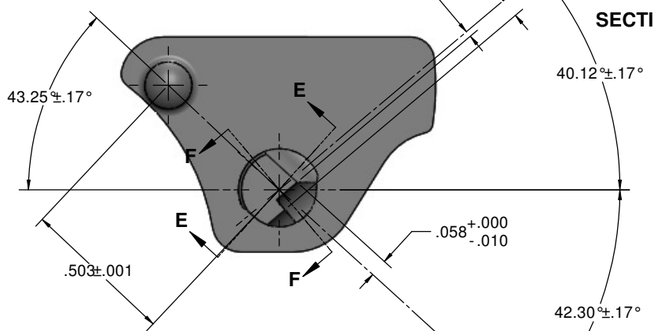
SECTION D-D
SCALE 6 : 1

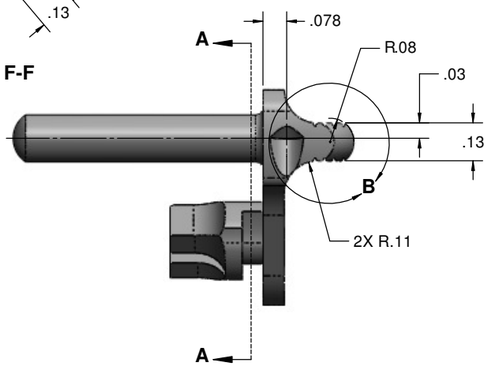
NOTES:

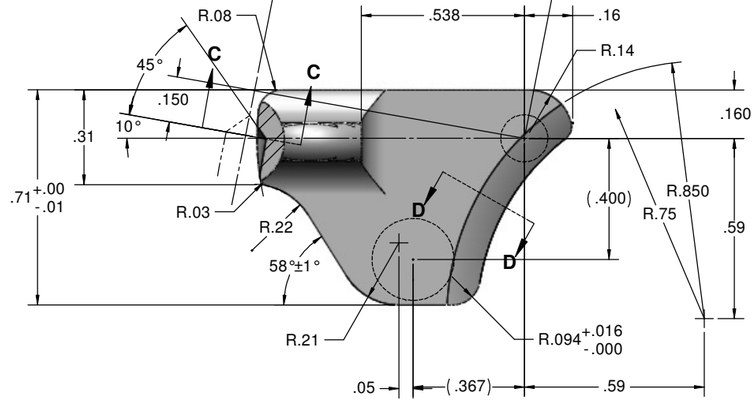
1. MATERIAL:
   WROUGHT: STEEL, 4140, ASTM A108;
   AUSTENITIC GRAIN SIZE 6 OR FINER.
   CASTING: STEEL, IC 4140, ASTM A732.

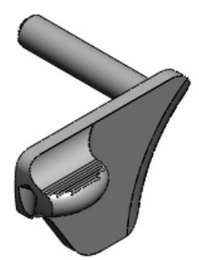


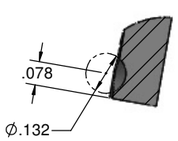
SECTION F-F



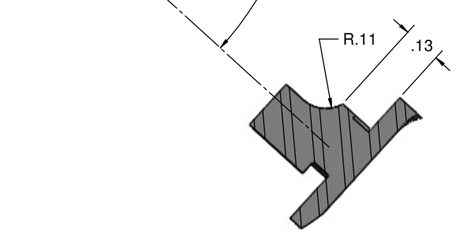








SECTION C-C



SECTION E-E

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/19/2010
DRAWN	R Benson	09/02/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 43.5-50
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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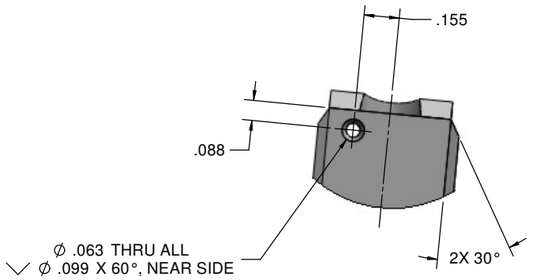
TITLE
LOCK, SAFETY
—
1st MADE FOR: **M1911-A1 REDUX**

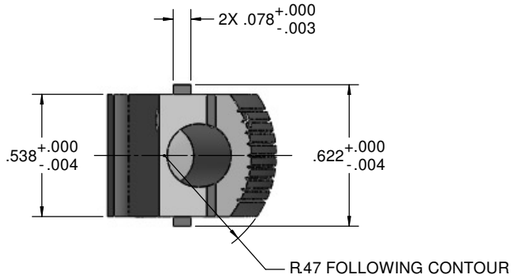
SIZE D | DWG NO. 5503840 | REV X

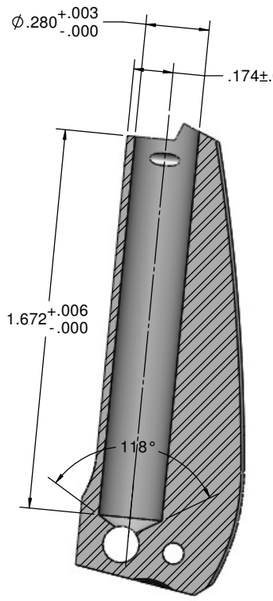
SCALE: 4:1 | WEIGHT: 0.02 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

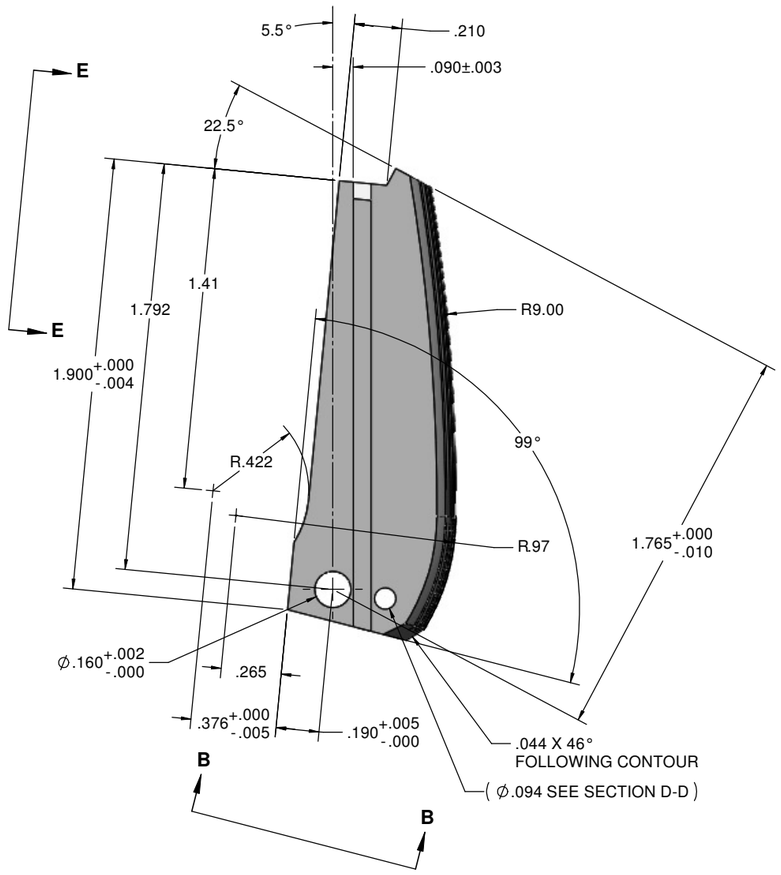


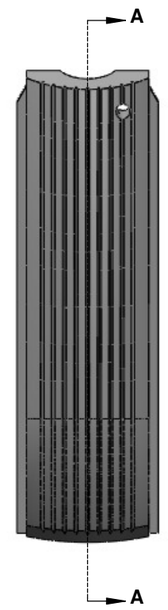
VIEW E-E

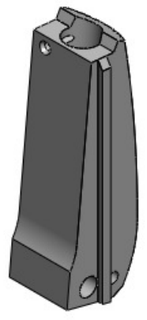


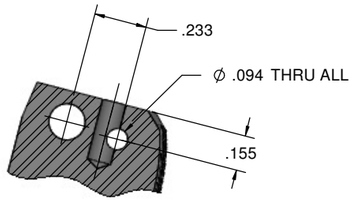


SECTION A-A

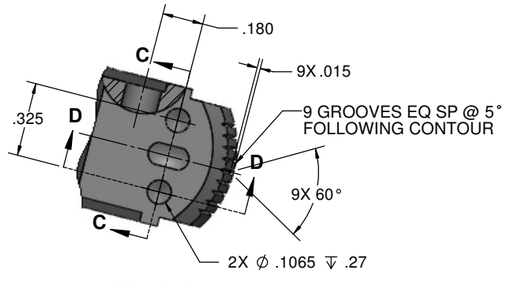




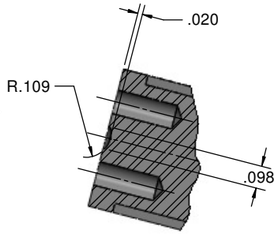




SECTION D-D



VIEW B-B



SECTION C-C

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/16/2010
DRAWN	R Benson	09/03/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1018 OR 1117, ASTM A108
HEAT TREAT:
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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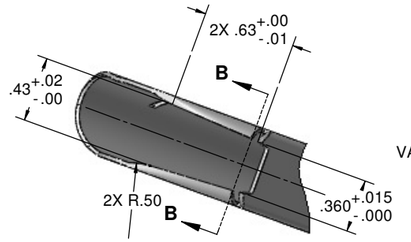
TITLE
HOUSING, MAINSPRING
—
1st MADE FOR: **M1911-A1 REDUX**

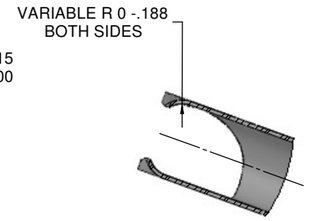
SIZE **D** | DWG NO. 5503841 | REV X

SCALE: 3:1 | WEIGHT: 0.02 LB | SHEET 1 of 1

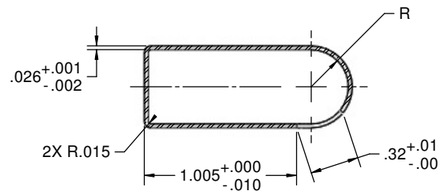
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD



VIEW A-A



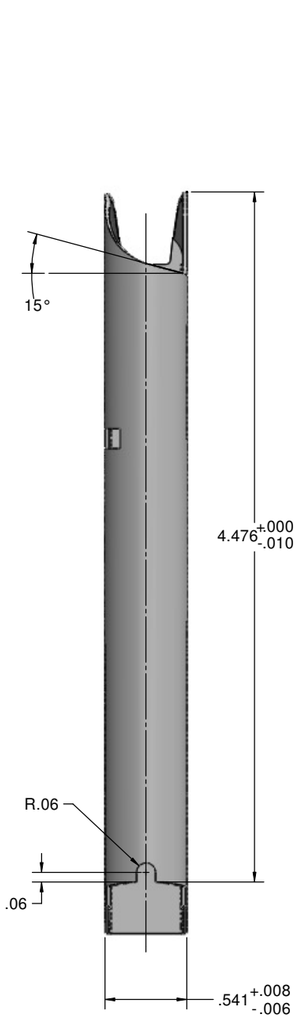
SECTION B-B

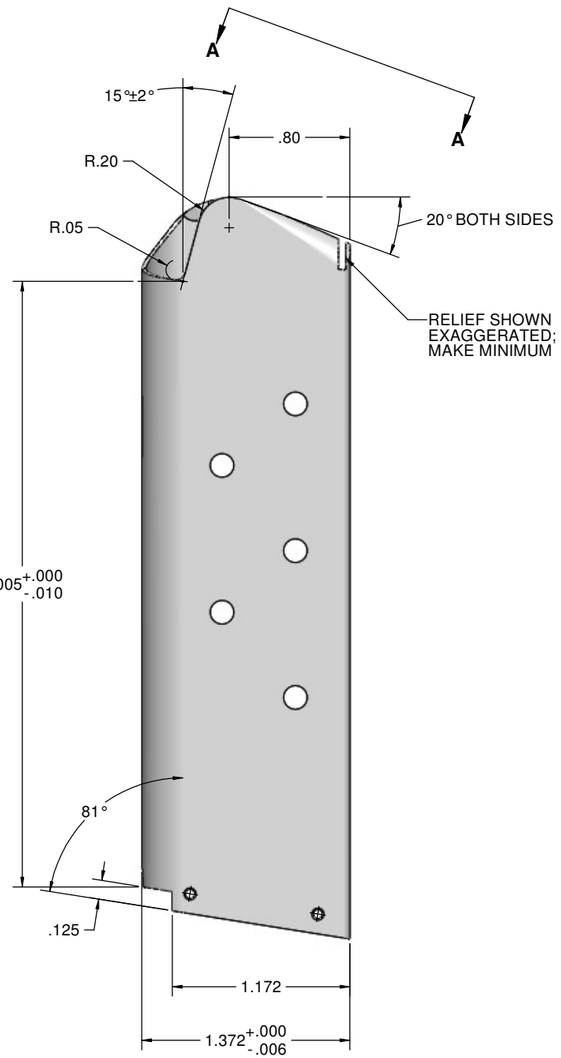


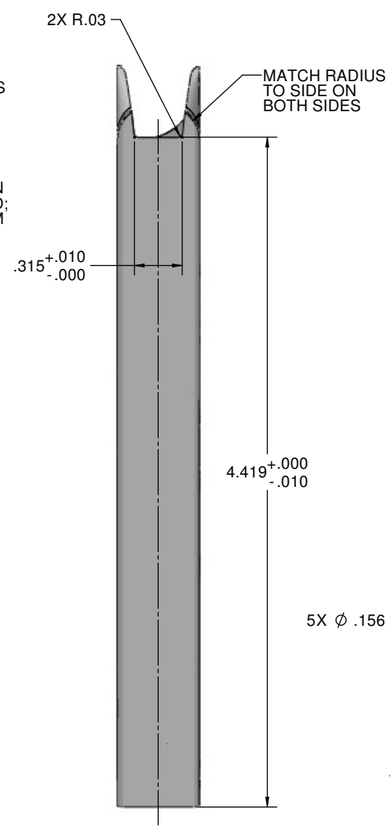
SECTION C-C

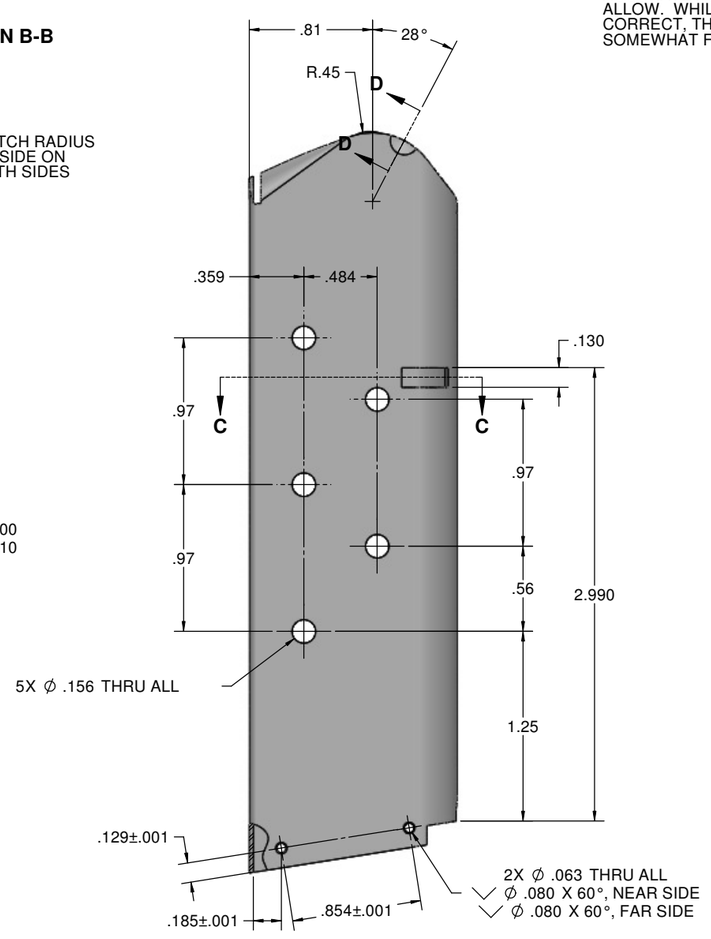
NOTES:

1. THE 3D MODELING OF THIS COMPONENT IS AS ACCURATE AS THE CAD SOFTWARE WILL REASONABLY ALLOW. WHILE THE DIMENSIONS ARE BELIEVED TO BE CORRECT, THE ACTUAL PART MAY VARY VISABLY SOMEWHAT FROM THAT SHOWN.

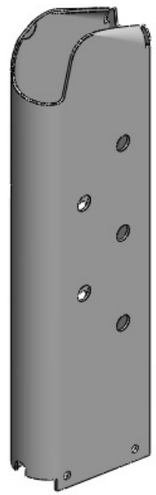








SECTION D-D



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
THIRD ANGLE PROJECTION	MODELED	R Benson	08/16/2010
	DRAWN	R Benson	09/05/2010
	ENGRG		
	MFG		
	QA		
DO NOT SCALE DRAWING	MATERIAL: TUBE, STEEL, IAW ASTM A519		
	HEAT TREAT		
	FINISH: ELECTROLESS NICKEL PLATE		

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TITLE

TUBE, MAGAZINE

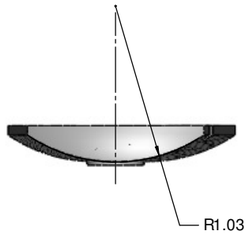
—

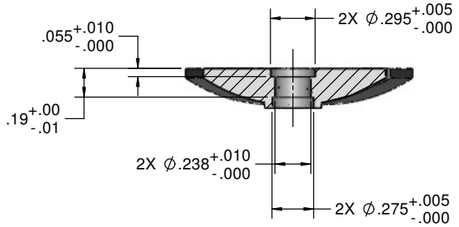
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	5508695	X

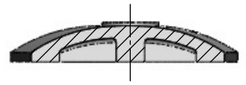
SCALE: 2:1 | WEIGHT: 0.11 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD





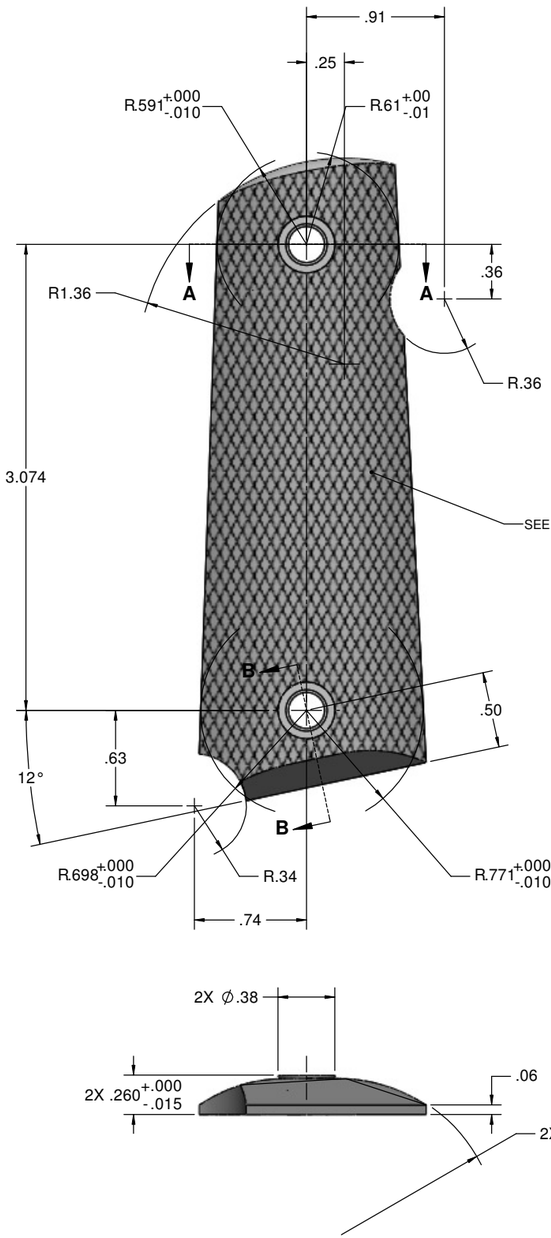
SECTION A-A

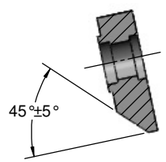


SECTION C-C

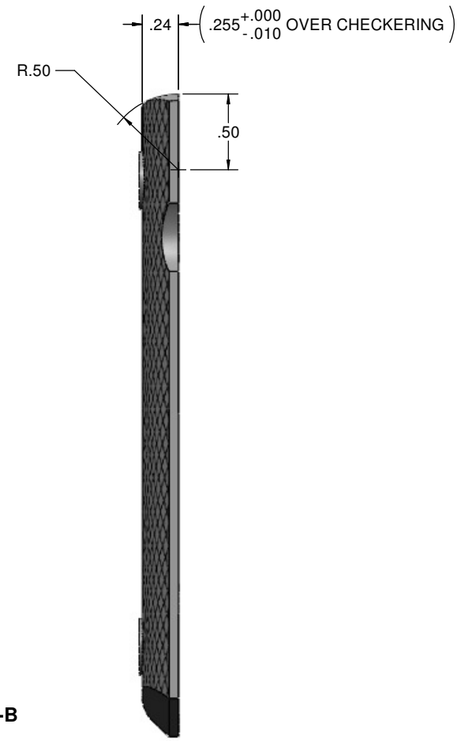
NOTES: (UNLESS OTHERWISE SPECIFIED)

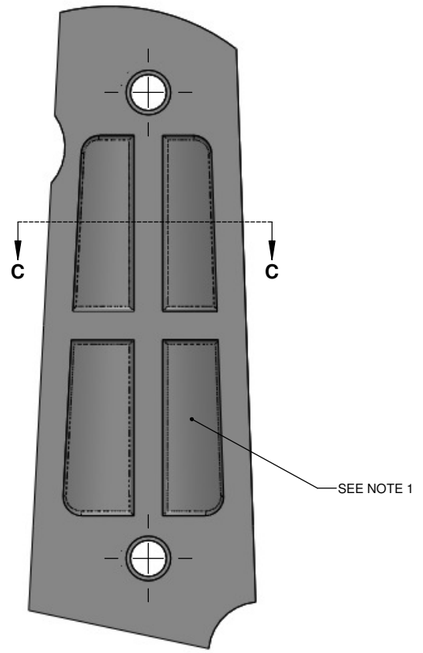
1. RECESSES SHOWN ARE NONFUNCTIONAL, AND ARE PERMITTED WITHIN REASONABLE LIMITS FOR STABILITY OF THE MOLDED PRODUCT.
2. MATERIAL: MOLDING PLASTIC IAW ASTM D5948, PHENOLIC, TYPE CFI-20.
   COLOR: NO. 20045, 20059 OR 20062 OF TABLE II, FED STD NO. 595; SEMI-GLOSS BROWN.
3. CHECKERING IS 20° DIAGONAL DIAMOND, 90° GROOVES, .O6 CENTER TO CENTER ON THE DIAGONAL.

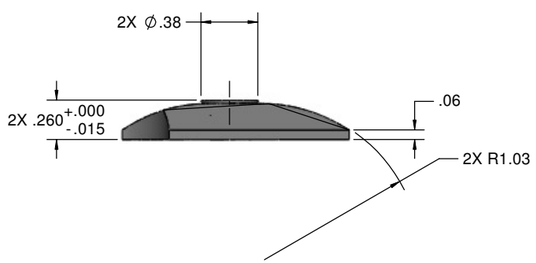




SECTION B-B







UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	09/05/2010
DRAWN	R Benson	09/05/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 2
HEAT TREAT:
FINISH:

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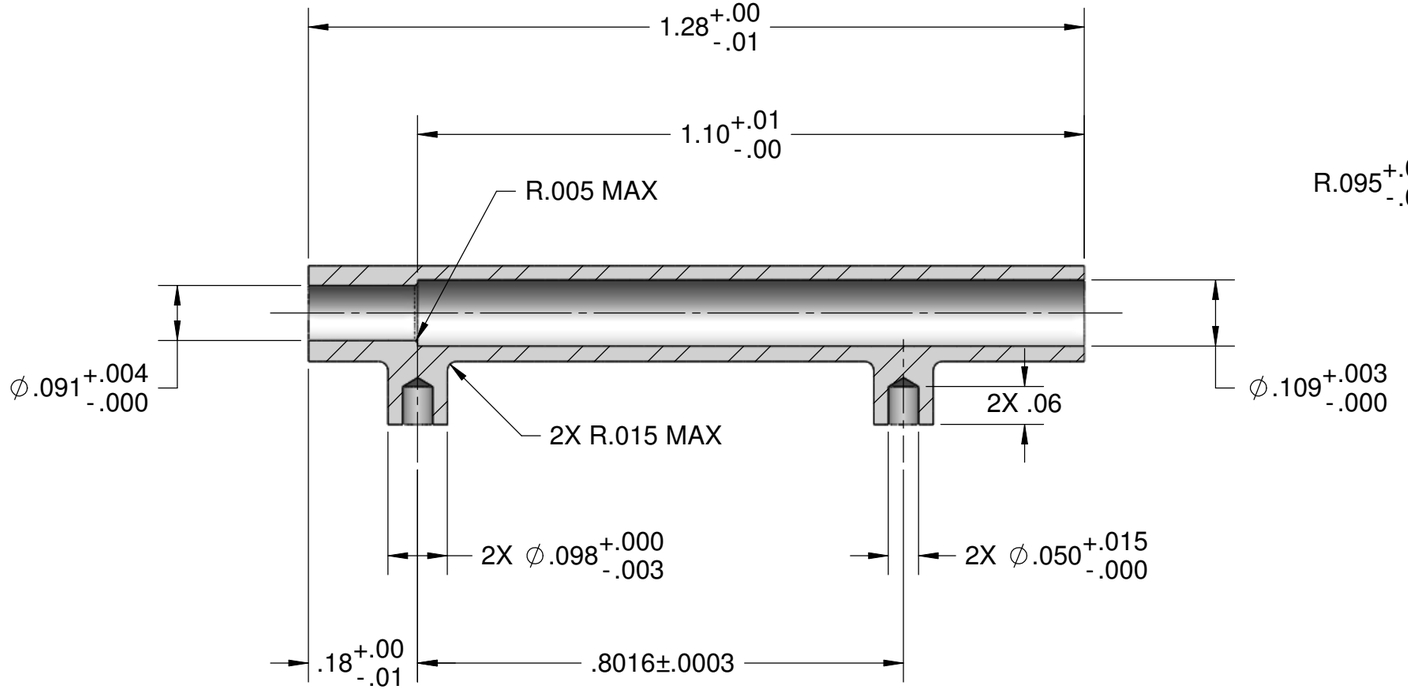
TITLE
STOCK, RH, PLASTIC
—
1st MADE FOR: **M1911-A1**

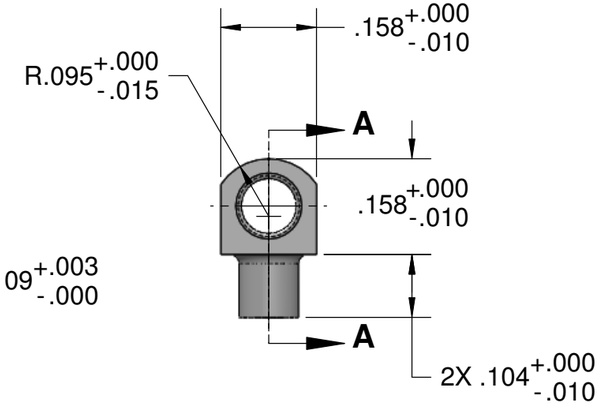
SIZE D | DWG NO. 5564062 | REV X

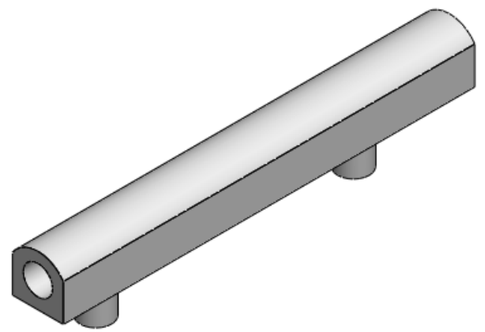
SCALE: 2:1 | WEIGHT: 0.03 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



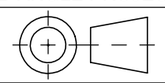
SECTION A-A





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/21/2010
	DRAWN	R Benson	09/06/2010
	ENGRG		
	MFG		
	QA		

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING

MATERIAL: STEEL, 1018, ASTM A108

HEAT TREAT:

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

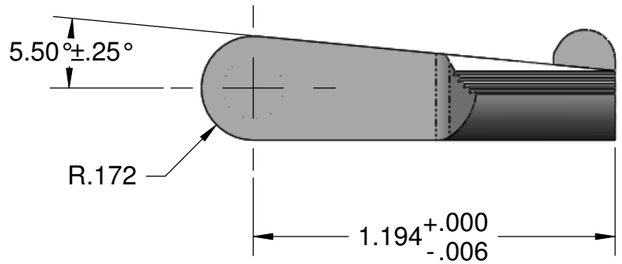
TUBE, PLUNGER

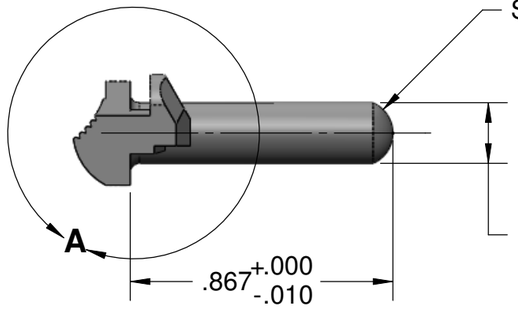
1st MADE FOR: M1911-A1 REDUX

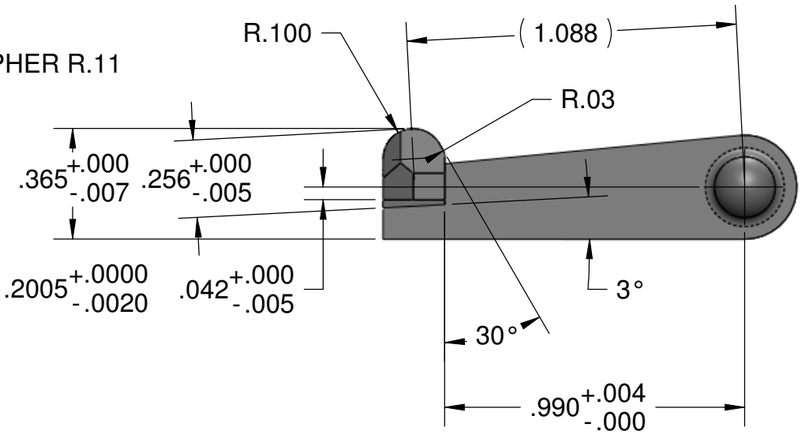
SIZE	DWG NO	REV
B	6008594	X

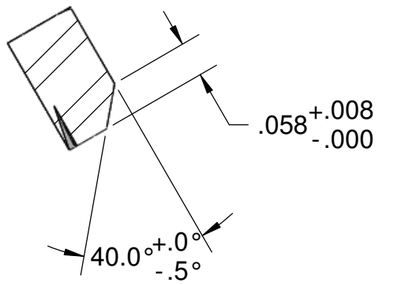
SCALE: 4:1	WEIGHT: 0.01 LB	SHEET 1 of 1

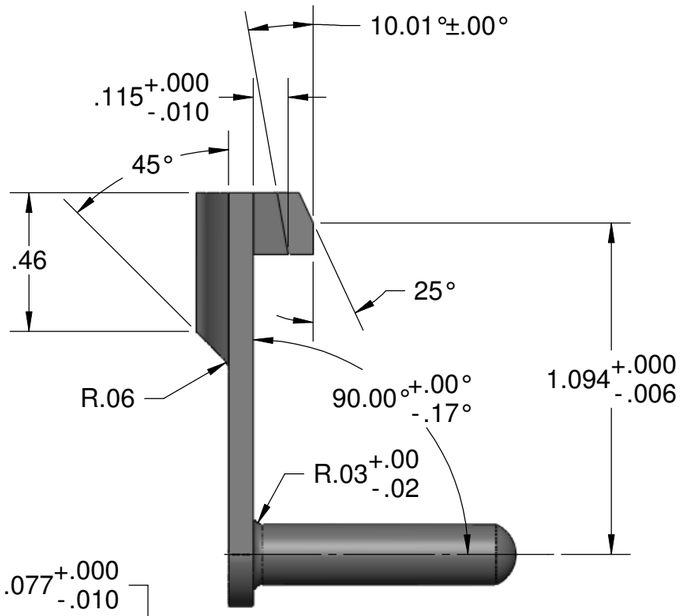
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



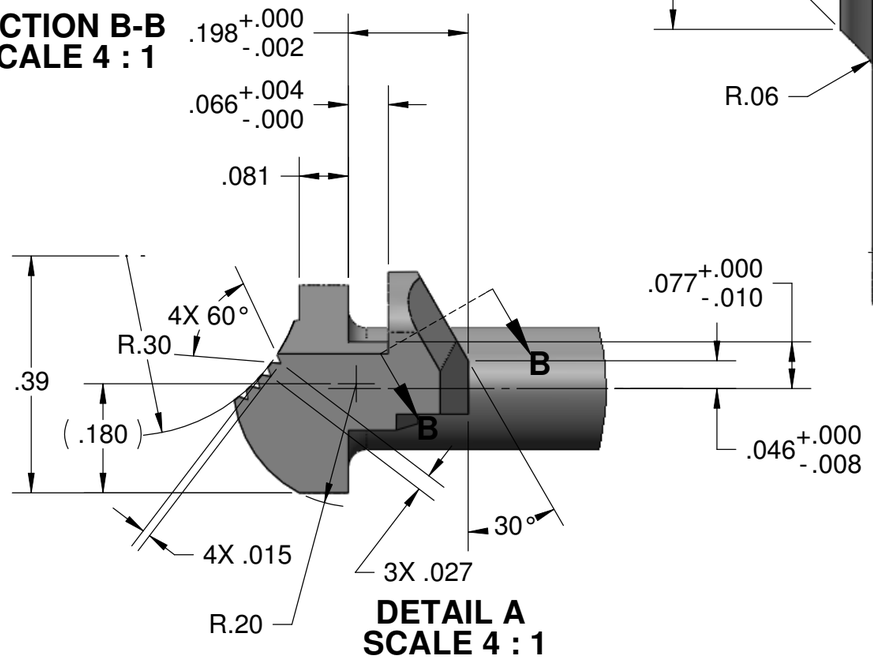




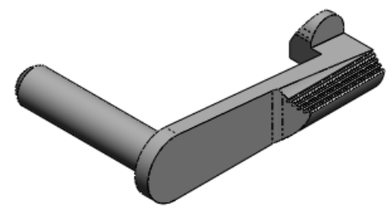




SECTION B-B
SCALE 4 : 1



DETAIL A
SCALE 4 : 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
THIRD ANGLE PROJECTION	MODELED	R Benson	08/19/2010
	DRAWN	R Benson	09/06/2010
	ENGRG		
	MFG		
	QA		
DO NOT SCALE DRAWING	MATERIAL: STEEL 4140 IAW ASTM A322		
	HEAT TREAT: RH C 43.5-50		
	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

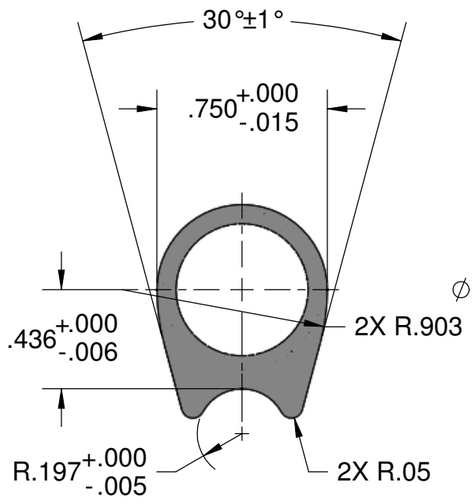
STOP, SLIDE

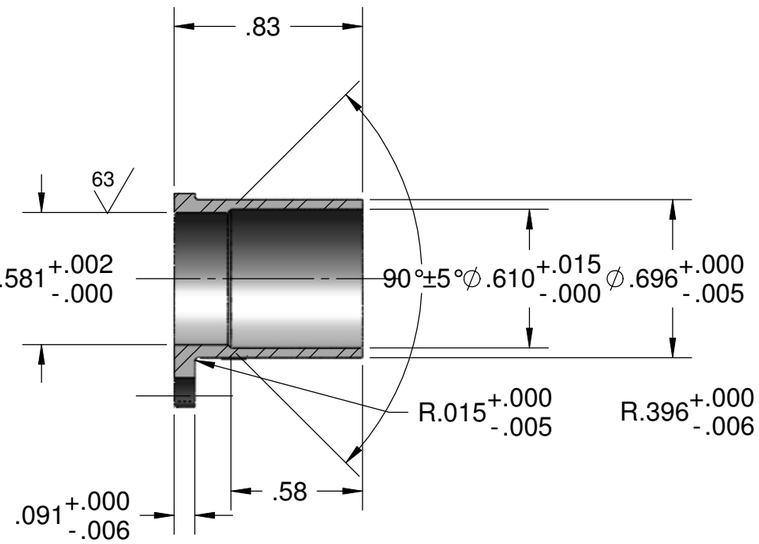
1st MADE FOR: M1911-A1

SIZE	DWG NO	REV
B	6008595	X

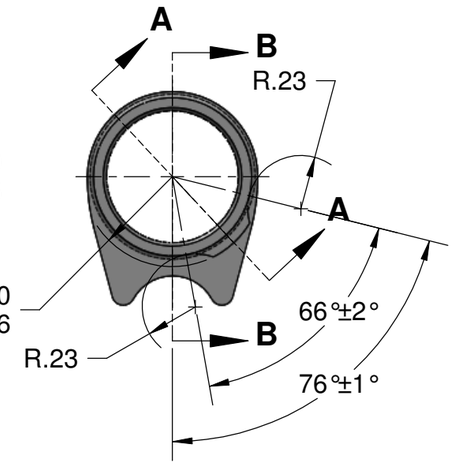
SCALE: 2:1	WEIGHT: 0.02 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



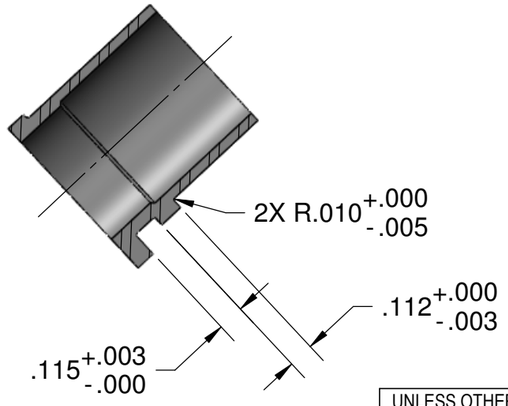


SECTION B-B

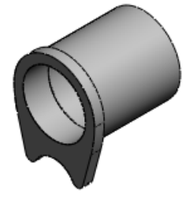


NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 4140, ASTM A108; AUSTENITIC GRAIN SIZE 6 OR FINER.
   CAST: STEEL, IC4140, ASTM A732.



SECTION A-A



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	07/28/2010
	DRAWN	R Benson	09/07/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL	SEE NOTE 1	
	HEAT TREAT	RH C 43.5-50	
DO NOT SCALE DRAWING	FINISH	PARA 5.3.1.2 OF MIL-STD-171	

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TITLE

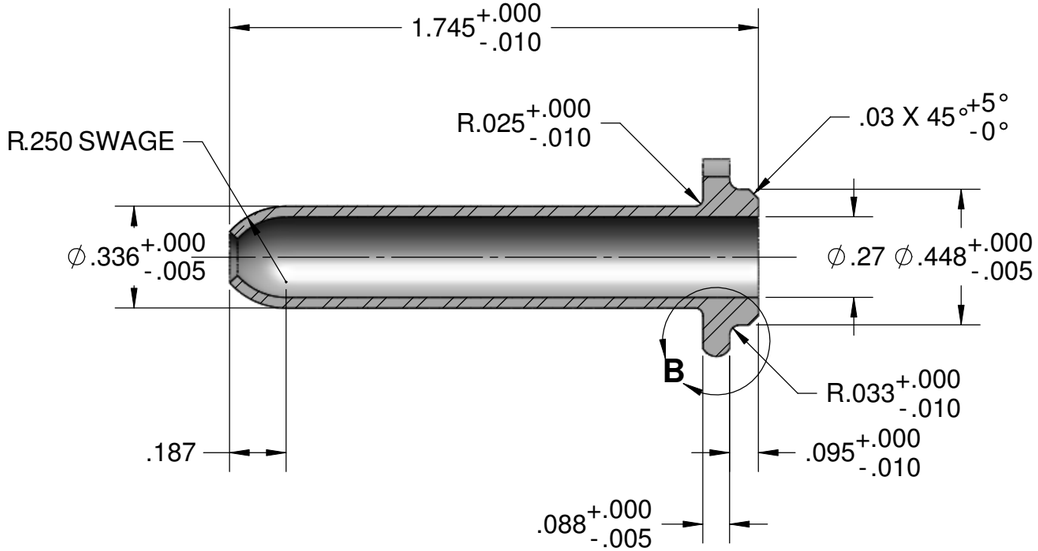
BUSHING, BARREL

1st MADE FOR: M1911-A1 REDUX

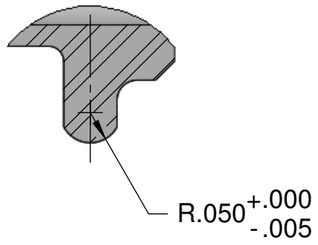
SIZE	DWG NO	REV
B	6008596	X

SCALE: 3:2	WEIGHT: 0.03 LB	SHEET 1 of 1

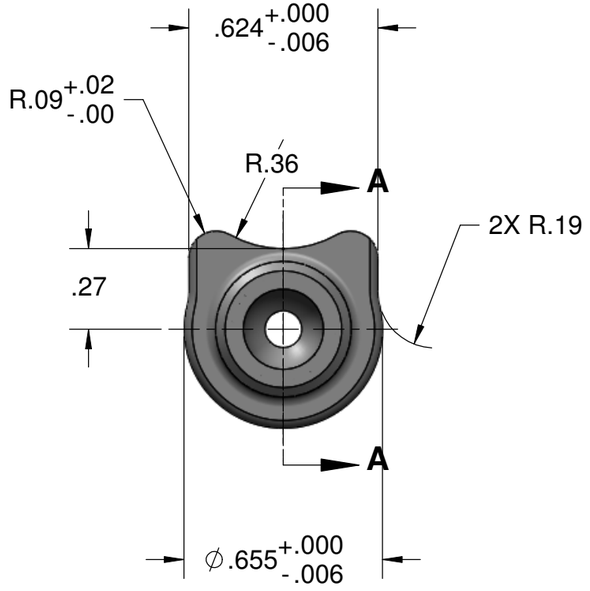
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

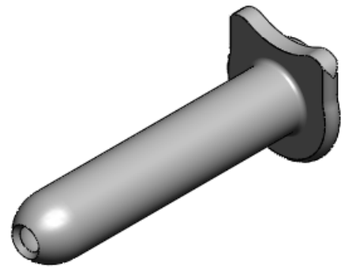


SECTION A-A



DETAIL B
SCALE 4 : 1





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/12/2010
	DRAWN	R Benson	09/07/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1141, ASTM A311		
	HEAT TREAT: RH C 35-40		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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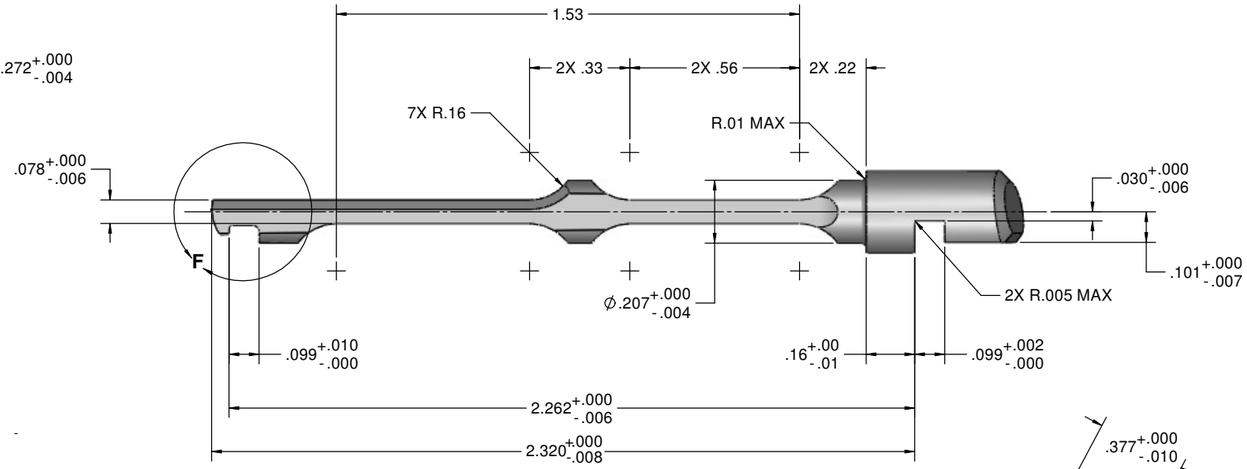
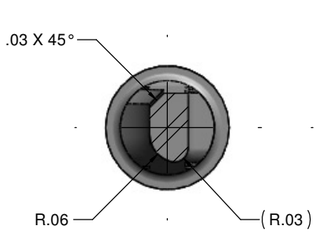
TITLE
GUIDE,
RECOIL SPRING
—
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	6008597	X

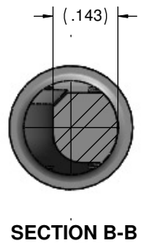
SCALE: 2:1	WEIGHT: 0.02 LB	SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

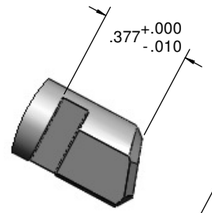




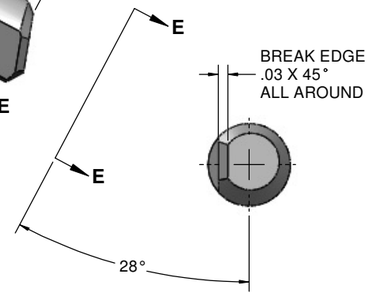
SECTION A-A
SCALE 6 : 1

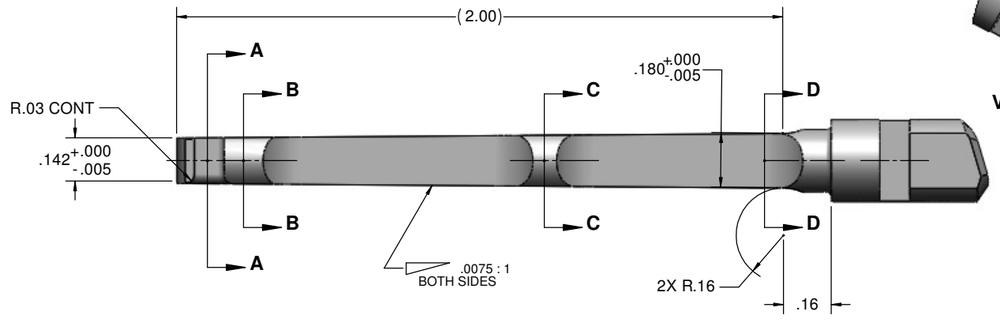


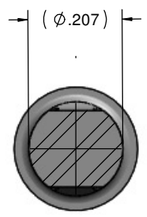
SECTION B-B
SCALE 6 : 1



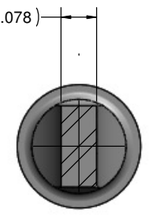
VIEW E-E



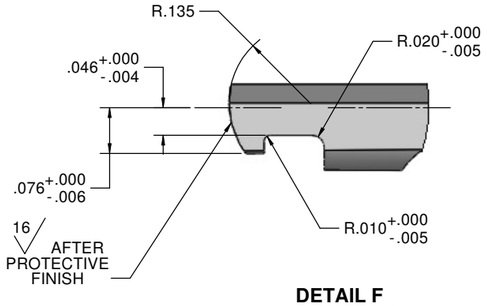




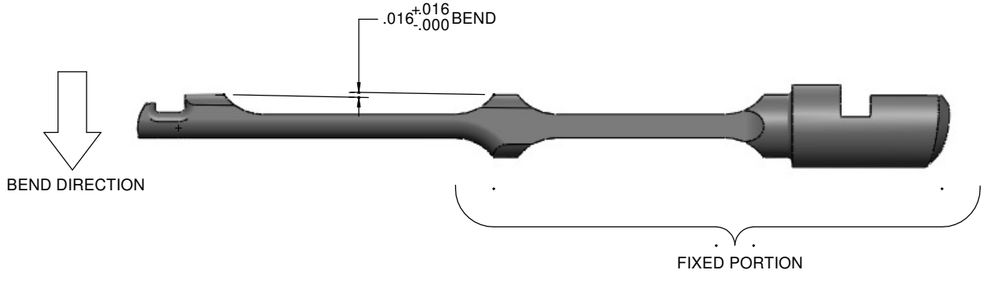
SECTION C-C
SCALE 6 : 1

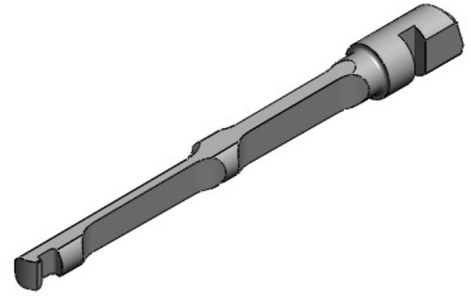


SECTION D-D
SCALE 6 : 1



DETAIL F
SCALE 8 : 1





NOTES:

1. MATERIAL: STEEL, 1144, ASTM A108; AUSTENITIC GRAIN SIZE 7 OR FINER.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	07/29/2010
DRAWN	R Benson	09/07/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 48-52
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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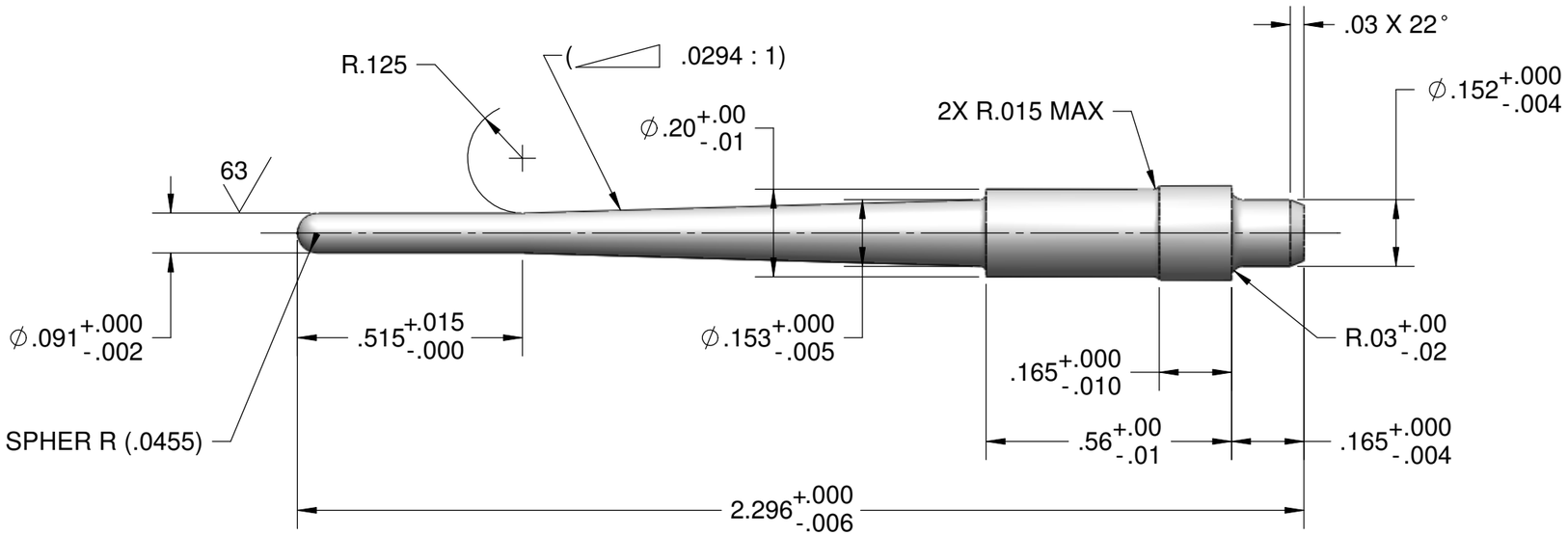
TITLE
EXTRACTOR
—
1st MADE FOR: **M1911-A1 REDUX**

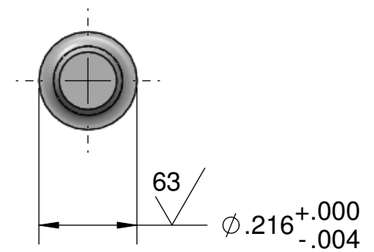
SIZE: D | DWG NO.: 6008598 | REV: X
SCALE: 4:1 | WEIGHT: 0.02 LB | SHEET 1 of 1

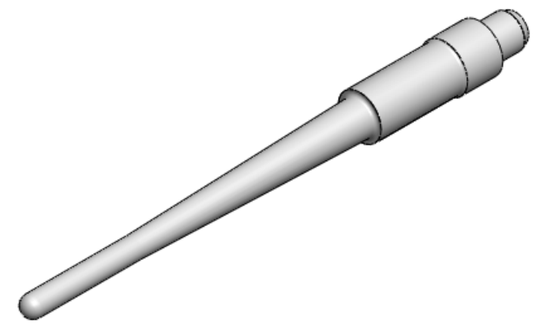
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

NOTES:

1. MATERIAL: STEEL, 1144, ASTM A108; AUSTENITIC GRAIN SIZE 7 OR FINER.







UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/13/2010
	DRAWN	R Benson	09/09/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: SEE NOTE 1		
	HEAT TREAT: RH A 70.5-73.5		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

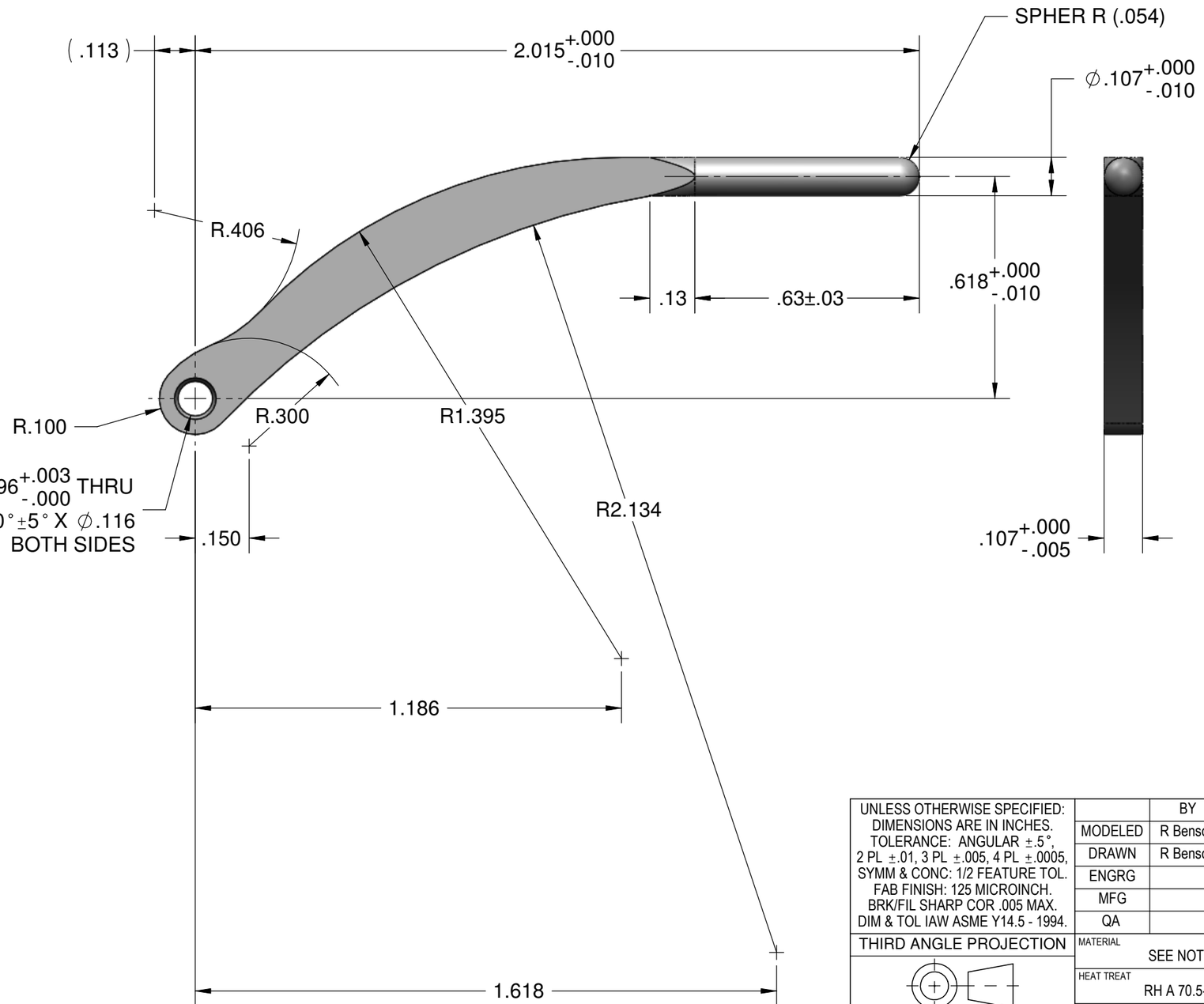
PIN, FIRING

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	6008599	X

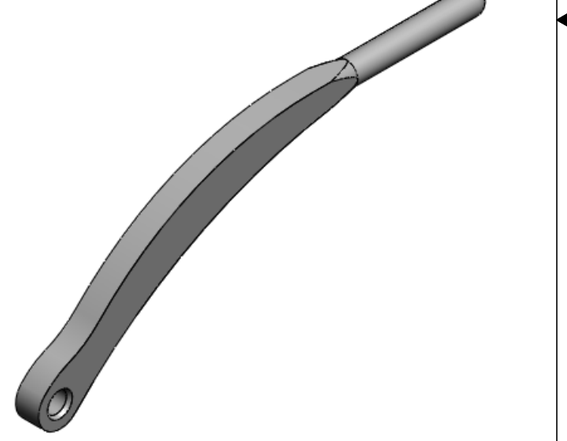
SCALE: 3:1	WEIGHT: 0.01 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



NOTES:

1. MATERIAL: STEEL, 1144, ASTM A108; AUSTENITIC GRAIN SIZE 7 OF FINER.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/18/2010
DRAWN	R Benson	09/09/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT: RH A 70.5-73.5

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

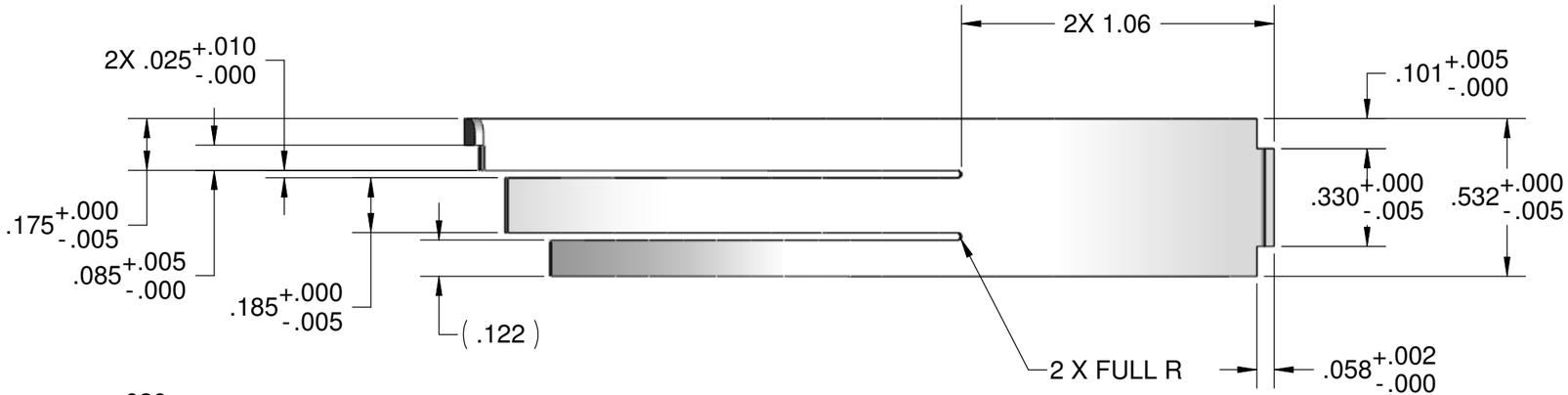
STRUT, HAMMER

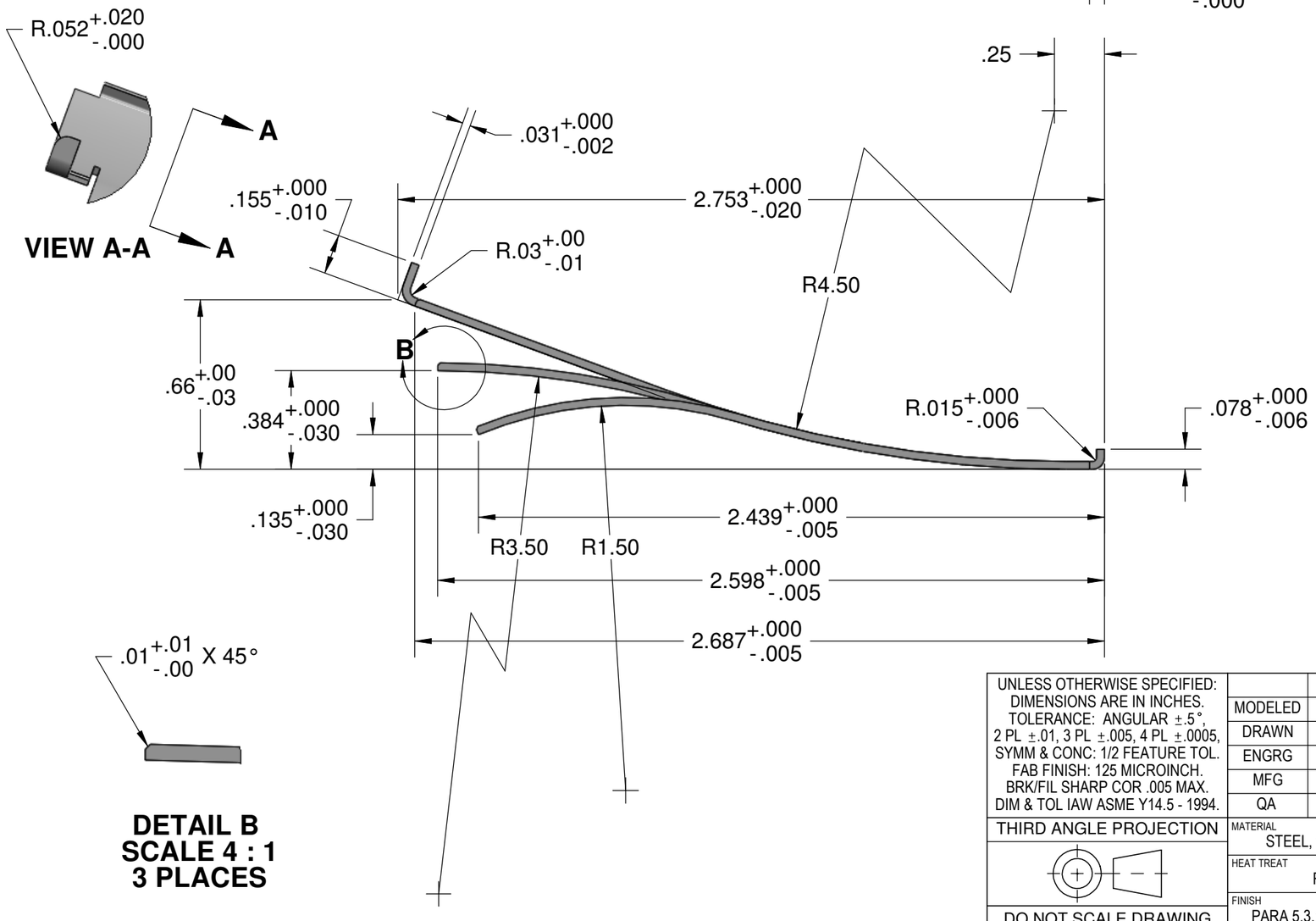
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	6008600	X

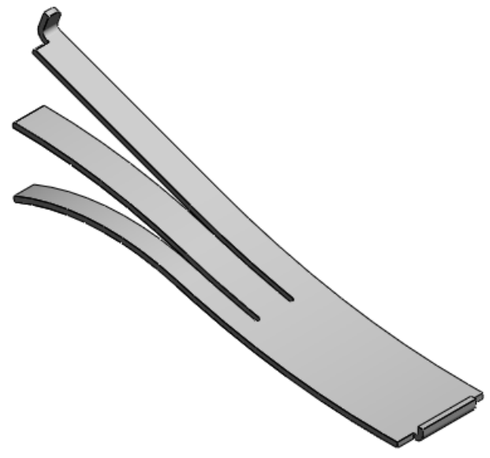
SCALE: 3:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





DETAIL B
SCALE 4 : 1
3 PLACES



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	09/09/2010
DRAWN	R Benson	09/10/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1090, ASTM A684

HEAT TREAT: RH A 72-75

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

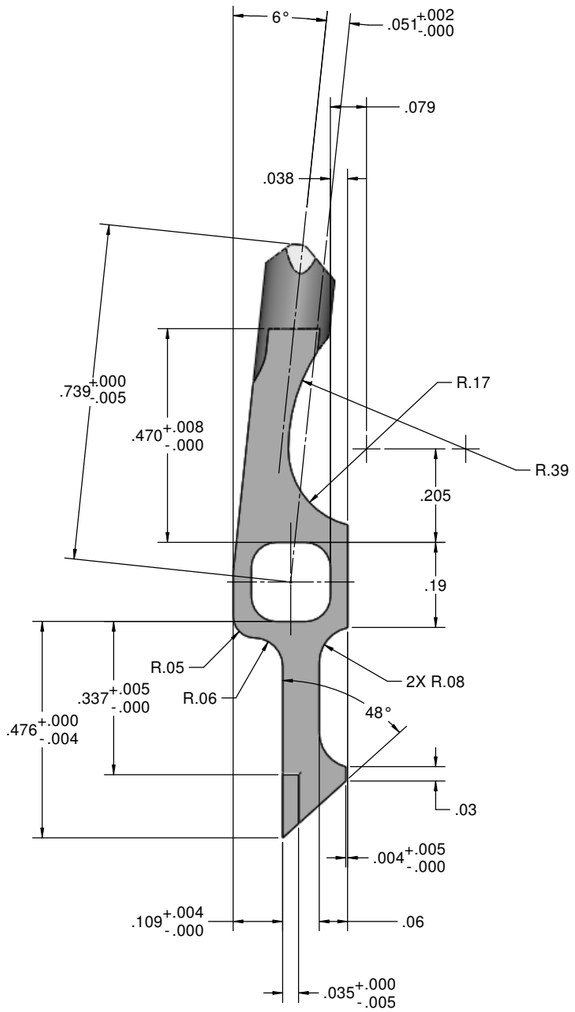
SPRING, SEAR

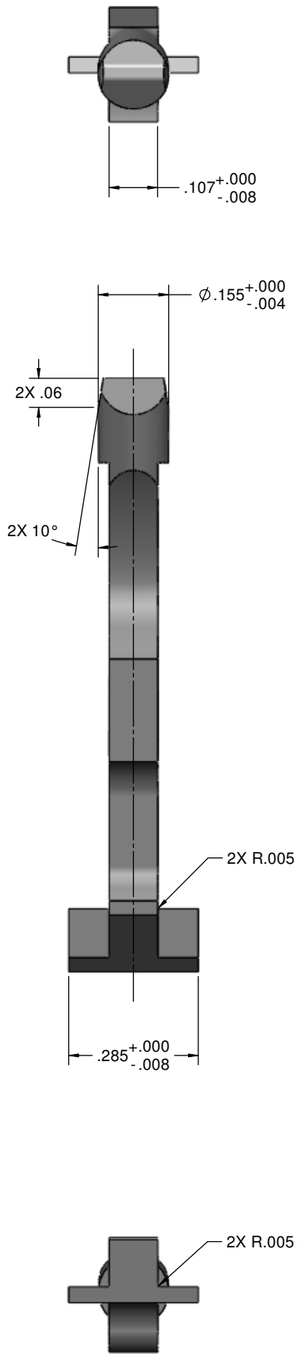
1st MADE FOR: M1911-A1 REDUX

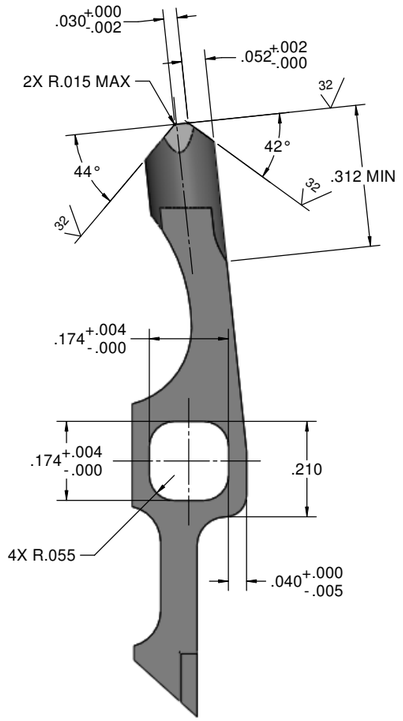
SIZE	DWG NO	REV
B	6008602	X

SCALE: 2:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD







NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 4140, ASTM A108; AUSTENITIC GRAIN SIZE 6 OR FINER.
   CAST: STEEL, IC4140, ASTM A732.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/21/2010
DRAWN	R Benson	09/10/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 43.5-50
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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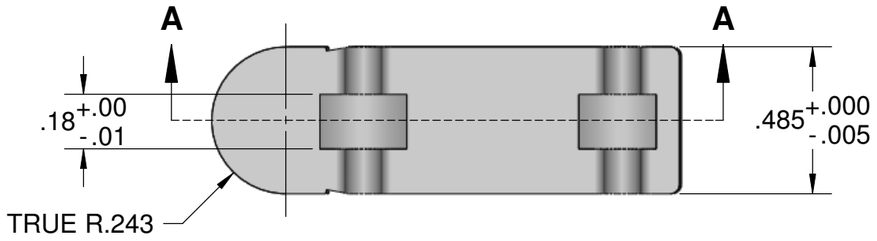
TITLE
DISCONNECTOR
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	6008603	X

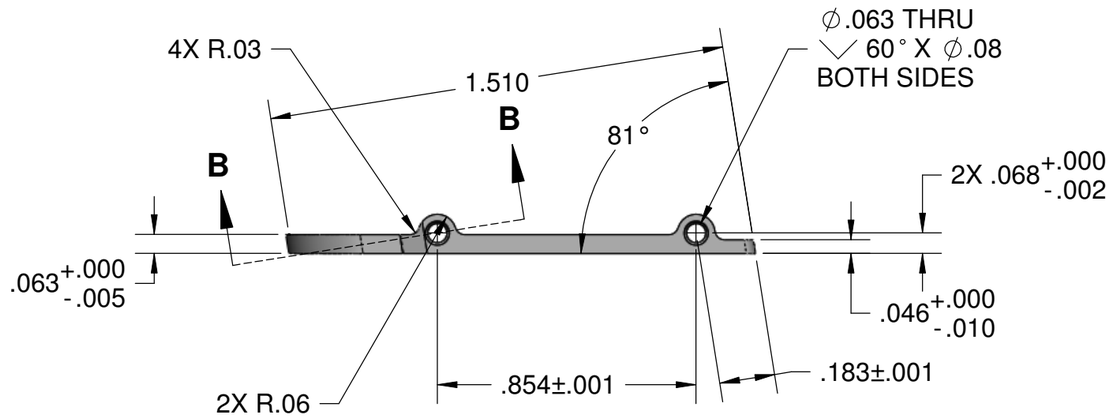
SCALE: 6:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

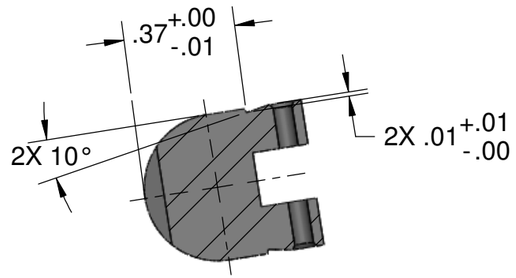
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



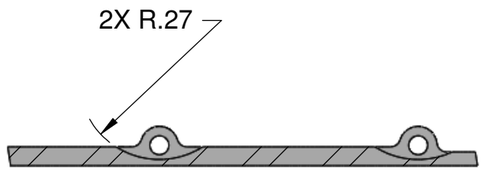
NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 1018, ASTM A108.
   CAST: STEEL, IC1020, ASTM A732.

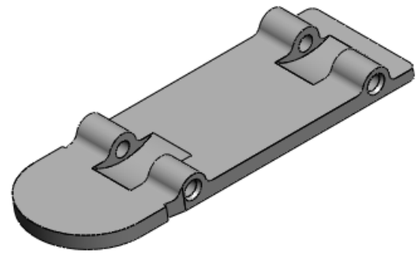




SECTION B-B



SECTION A-A



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/15/2010
	DRAWN	R Benson	09/10/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: SEE NOTE 1		
	HEAT TREAT:		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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TITLE

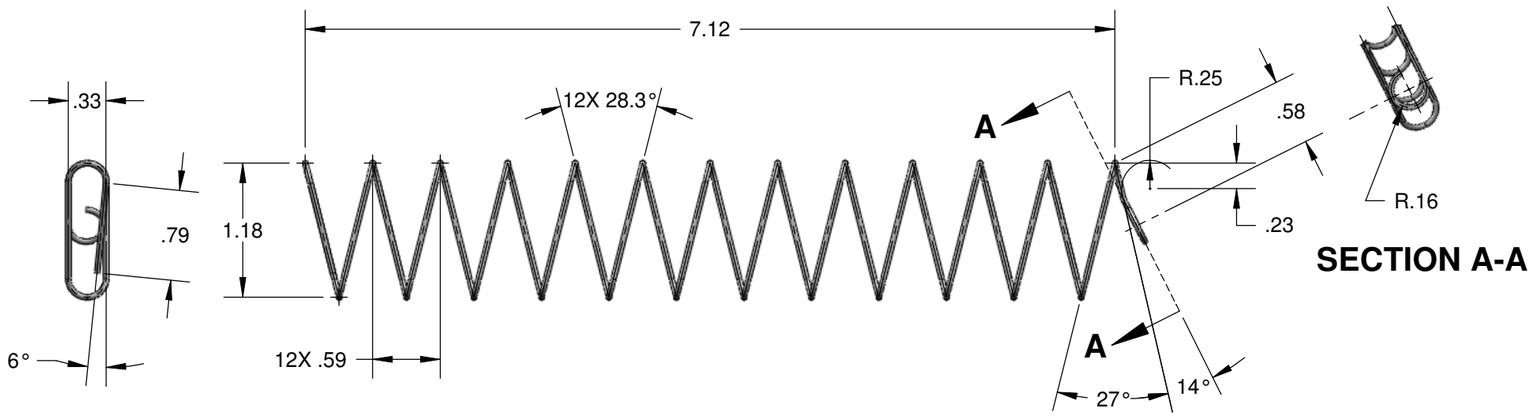
BASE, MAGAZINE

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	6008606	X

SCALE: 2:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD

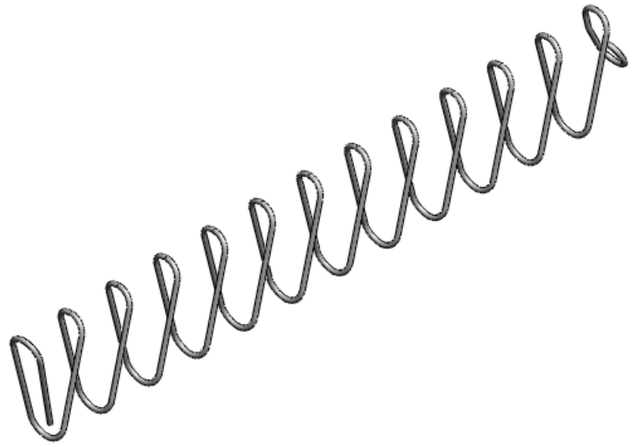


SECTION A-A

DIAMETER OF WIRE	.047±.001
DIAMETER OF COIL (OD)	N/A
FREE LENGTH	7.12
ACTIVE COILS	11.5
TOTAL COILS	12.5
DIRECTION OF HELIX	CCW
LOAD AT COMPRESSED LENGTH OF	N/A
LOAD AT COMPRESSED LENGTH OF	N/A
SPRING RATE	N/A
SOLID LENGTH	N/A
TYPE OF ENDS	IAW DRAWING DIMENSIONS
HOLE DIA INTO WHICH SPRING FITS FREELY	N/A
ROD DIA OVER WHICH SPRING SLIDES FREELY	N/A

NOTES:

1. MANUFACTURE IAW TYPE 1, GRADE A, OF SAE AS13572.
2. STRESS RELIEVE AT 450°F FOR 30 MINUTES AFTER FORMING.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005.
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .01 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	9/29/2010
DRAWN	R Benson	10/04/2010
ENGRG		
MFG		
QA		

MATERIAL: MUSIC WIRE, STEEL, ASTM A228

HEAT TREAT: SEE NOTE 2

FINISH:

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TITLE

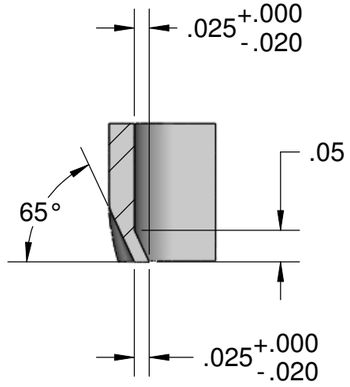
SPRING, MAGAZINE

1st MADE FOR: M1911-A1 REDUX

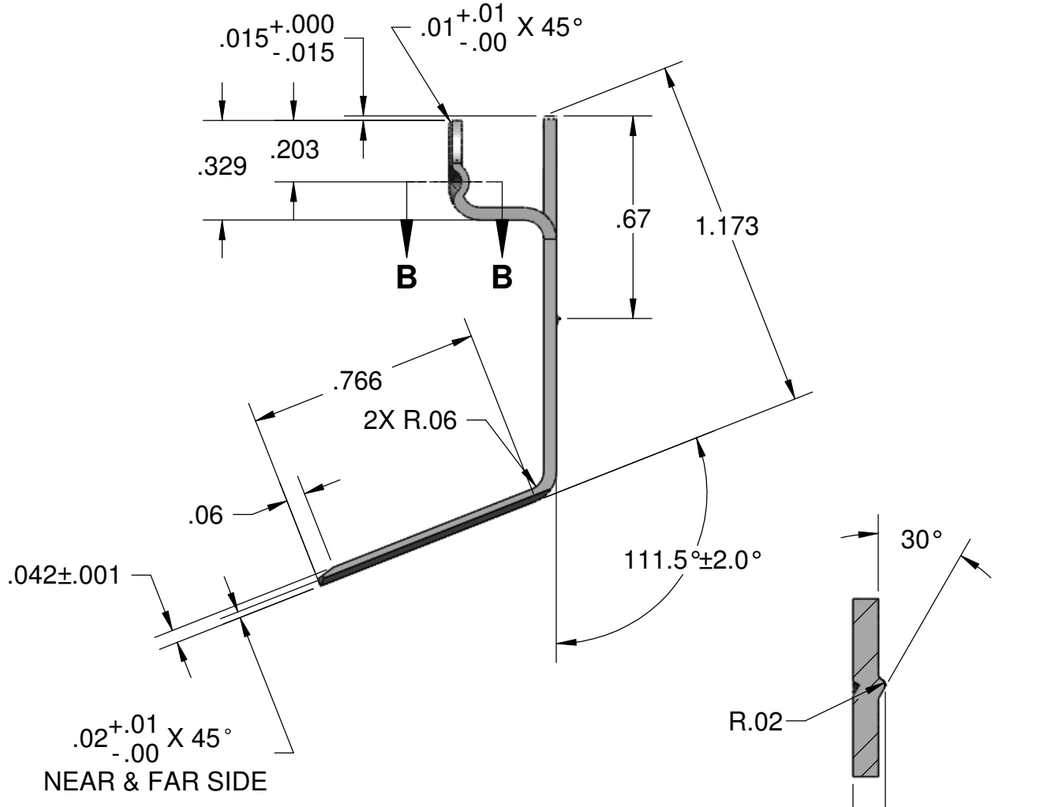
SIZE	DWG NO	REV
B	6008607	-

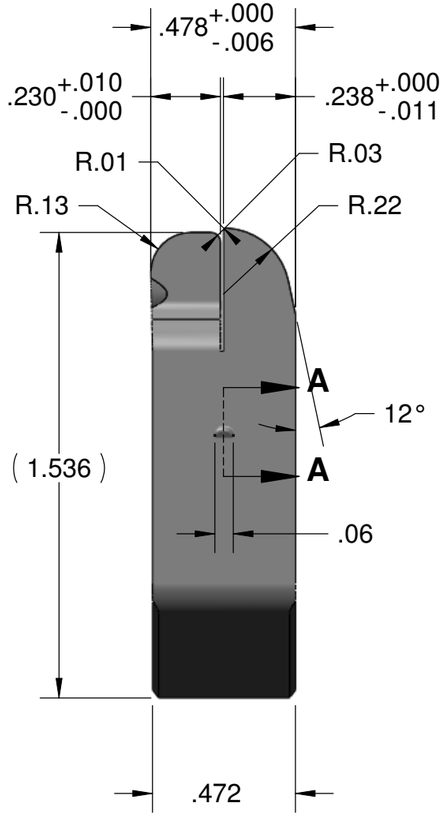
SCALE: 3:4 | WEIGHT: 0.00 LB | SHEET 1 of 1

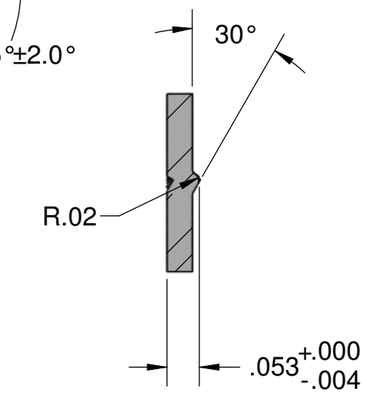
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



SECTION B-B
SCALE 4 : 1







SECTION A-A
SCALE 4 : 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/13/2010
DRAWN	R Benson	09/10/2010
ENGRG		
MFG		
QA		

MATERIAL: STL, CR, CS TYPE B, ASTM A1008

HEAT TREAT:

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

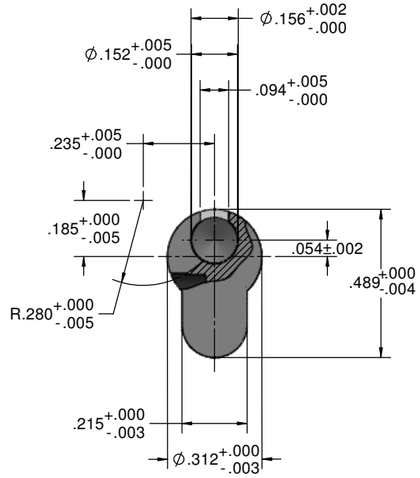
FOLLOWER, MAGAZINE

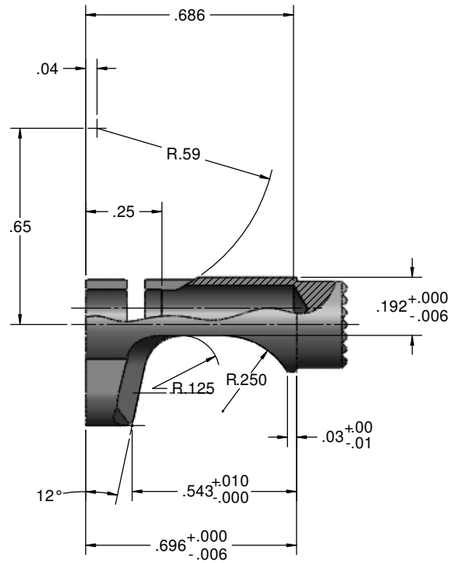
1st MADE FOR: M1911-A1 REDUX

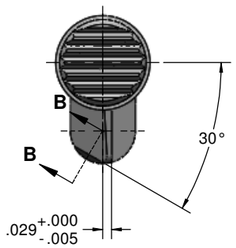
SIZE	DWG NO	REV
B	6008608	X

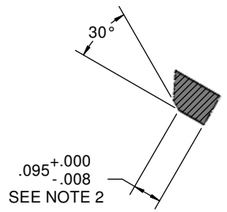
SCALE: 2:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

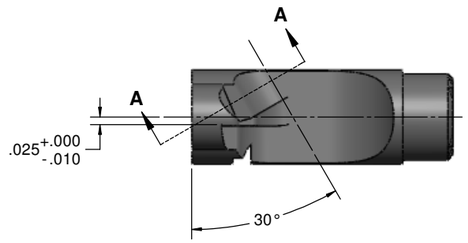


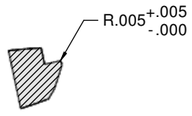




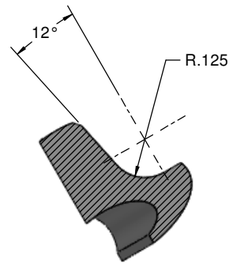


SECTION B-B

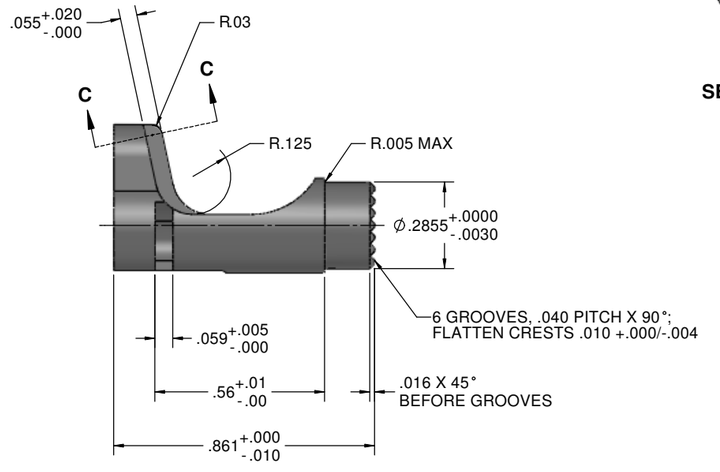


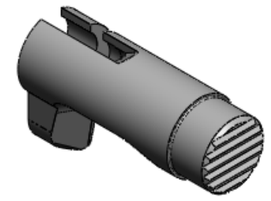


SECTION C-C



SECTION A-A





NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 1117, ASTM A108.
   CAST: STEEL, IC1117, ASTM A732.
2. THIS DIMENSION OCCURS ONLY AT PRECISE ANGLE AND LOCATION SHOWN FOR SECTION B-B CUTTING PLANE IN PARENT VIEW.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°.
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/15/2010
DRAWN	R Benson	09/11/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT: CASE DP .003-.005, RH 15-N 90-92

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

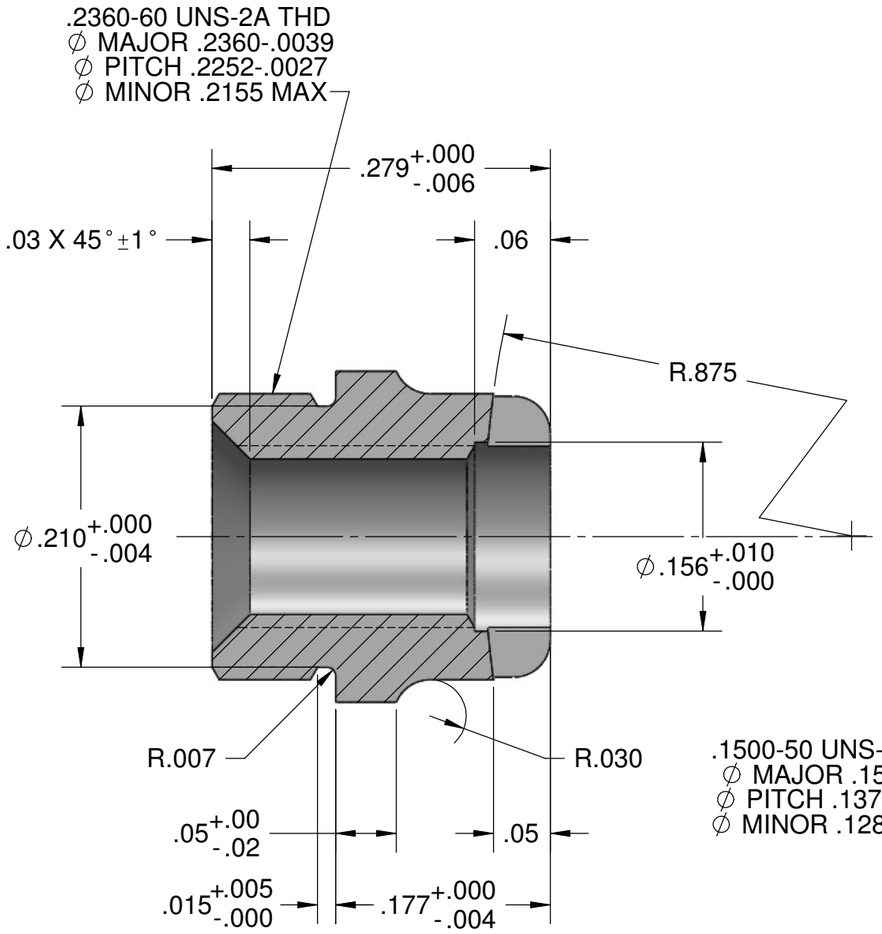
CATCH, MAGAZINE

1st MADE FOR: **M1911-A1 REDUX**

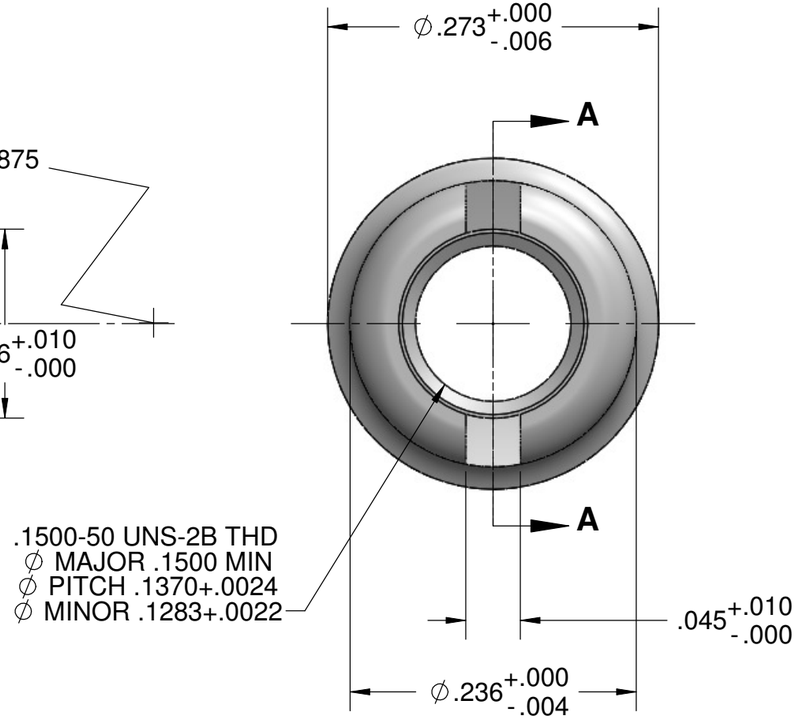
SIZE	DWG NO.	REV
D	6008609	X

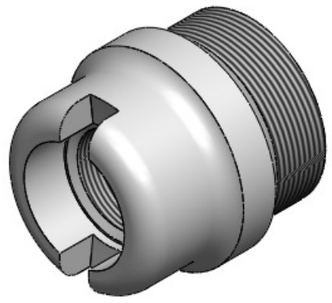
SCALE: 4:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



SECTION A-A





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/22/2010
	DRAWN	R Benson	09/11/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1117, ASTM A108		
	HEAT TREAT		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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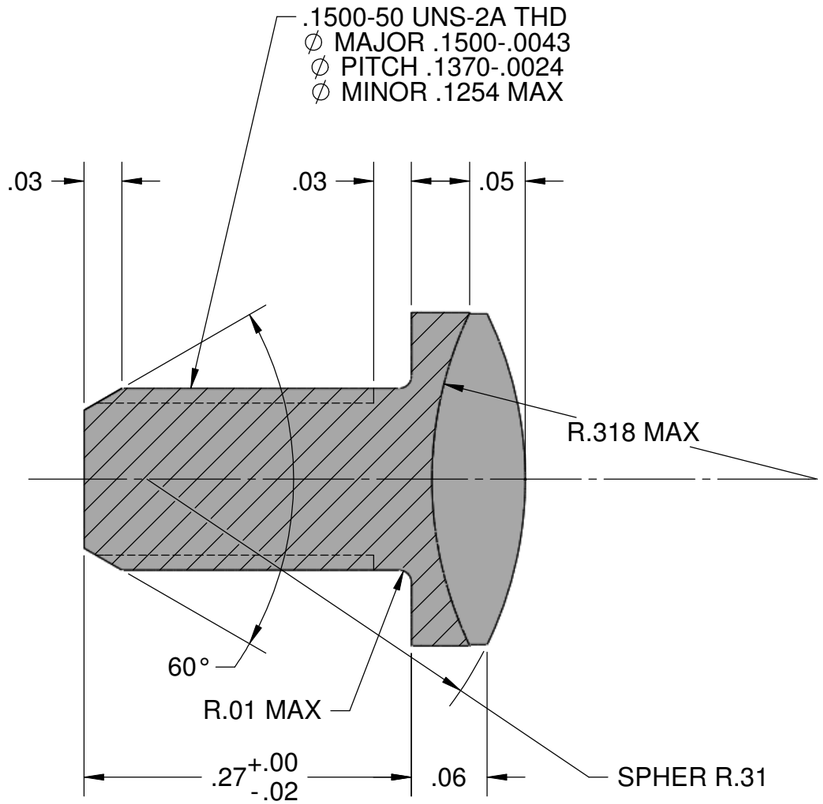
TITLE
BUSHING,
STOCK SCREW
—
1st MADE FOR: M1911-A1 REDUX

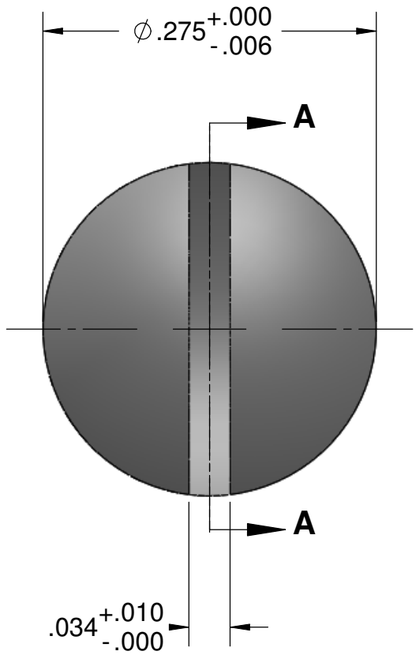
SIZE	DWG NO	REV
B	6019022	X

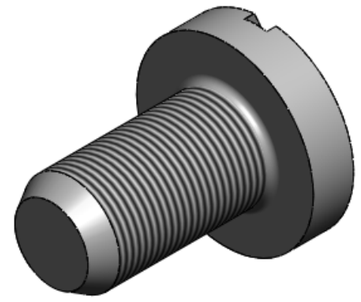
SCALE: 8:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



SECTION A-A





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP EDGES .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/12/2010
DRAWN	R Benson	09/12/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1117, ASTM A108

HEAT TREAT: CASE DP .002-.005, RH C 48-52

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

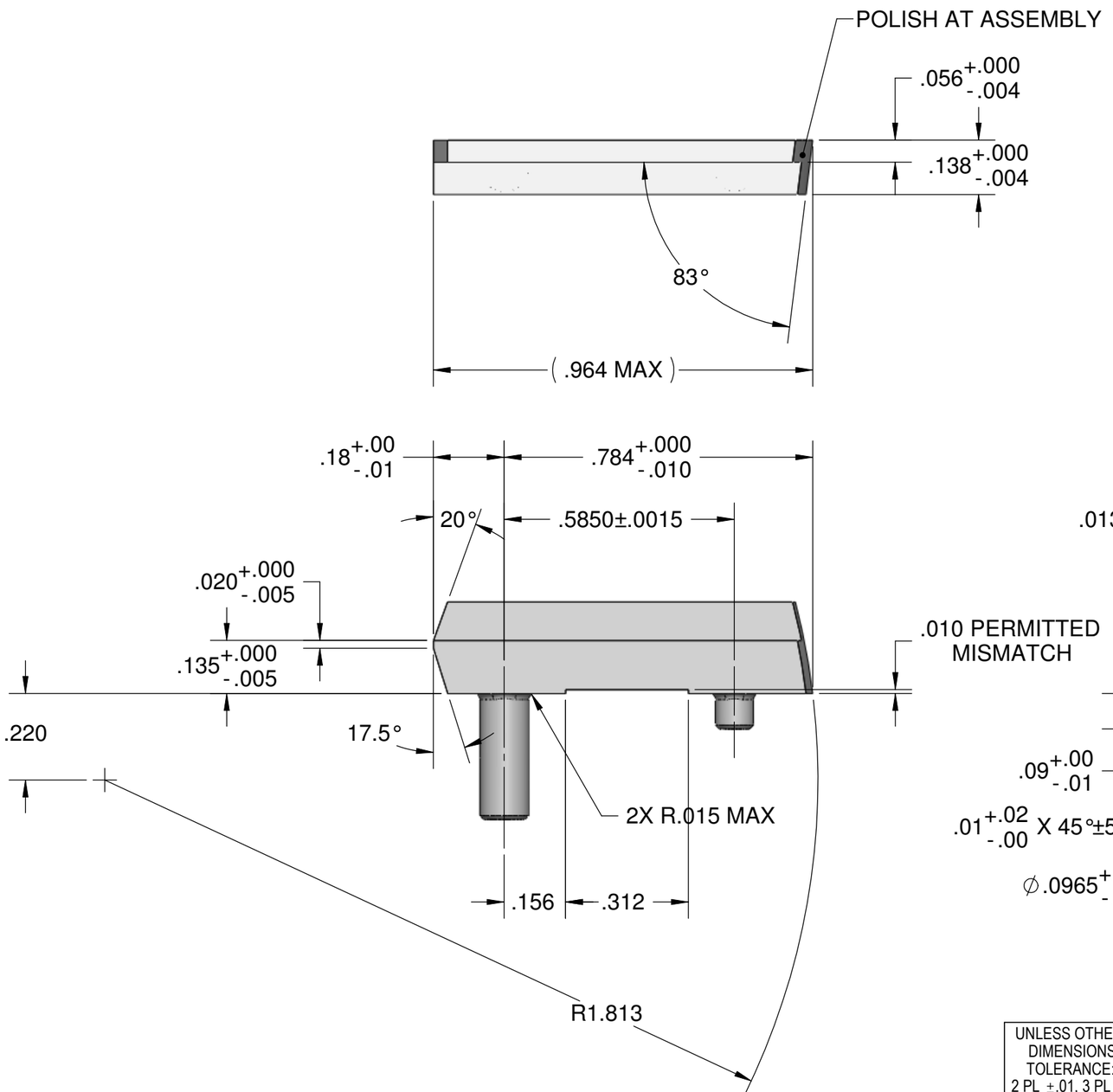
SCREW, STOCK

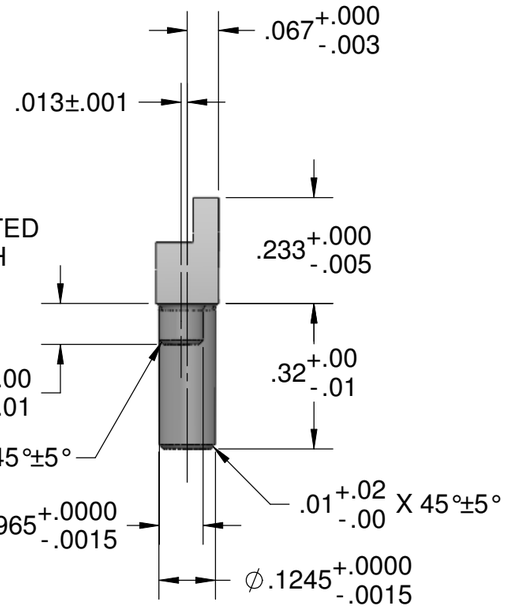
1st MADE FOR: M1911-A1 REDUX

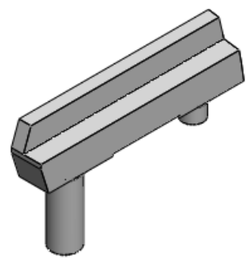
SIZE	DWG NO	REV
B	6019023	X

SCALE: 8:1	WEIGHT: 0.00 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD







NOTES:

1. MATERIAL: STEEL, 1144, ASTM A311; AUSTENITIC GRAIN SIZE 6 OR FINER.
2. HEAT TREATMENT: HEAT LARGE PIN END 1450 TO 1500°F; OIL QUENCH. TEMPER 20 MINUTES AT HEAT TO RH C 48-52. LEAVE LONG PIN SOFT OR SOFTEN LONG PIN ONLY, SUFFICIENT FOR DRILLING.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/22/2010
DRAWN	R Benson	09/12/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT: SEE NOTE 2

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

EJECTOR

1st MADE FOR: M1911-A1 REDUX

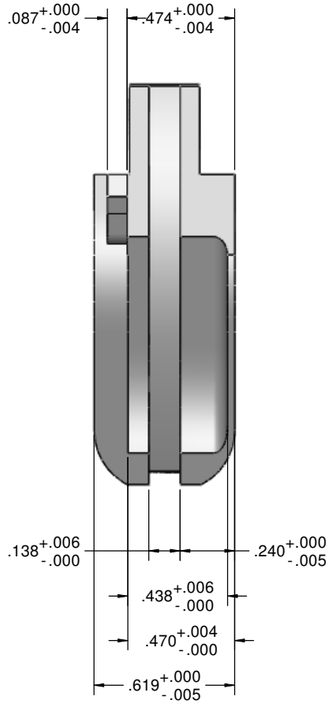
SIZE	DWG NO	REV
B	6019024	X

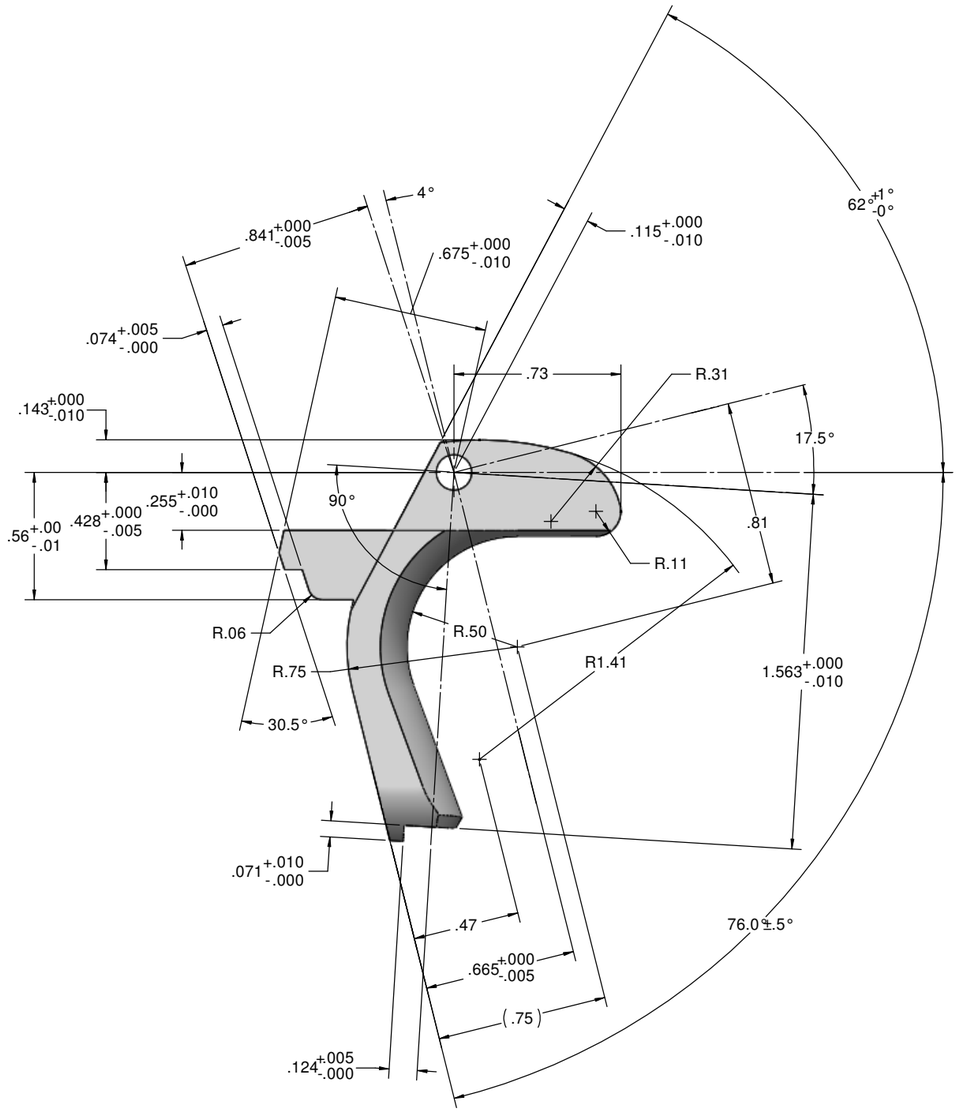
SCALE: 3:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

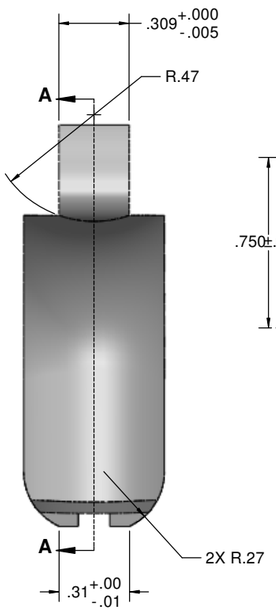
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

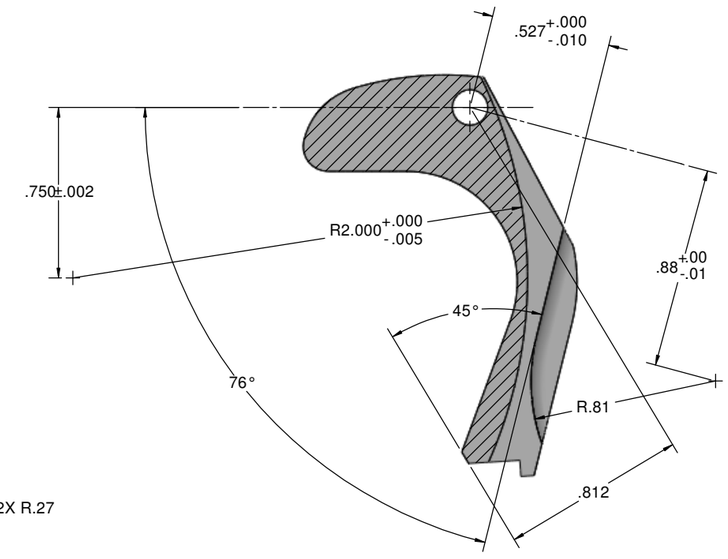
NOTES:

1. FABRICATED FINISH $\sqrt{63}$ EXCEPT AS NOTED.
2. MATERIAL:
   WROUGHT: STEEL, 1117, ASTM A108.
   CAST: STEEL, IC1117, ASTM A732.

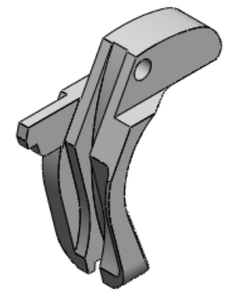








SECTION A-A
SCALE 3 : 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994. THIRD ANGLE PROJECTION		BY	DATE
	MODELED	R Benson	08/18/2010
	DRAWN	R Benson	09/12/2010
	ENGRG		
	MFG		
	QA		
	MATERIAL: SEE NOTE 2		
	HEAT TREAT: CASE DP .003-.005, RH C 48-52		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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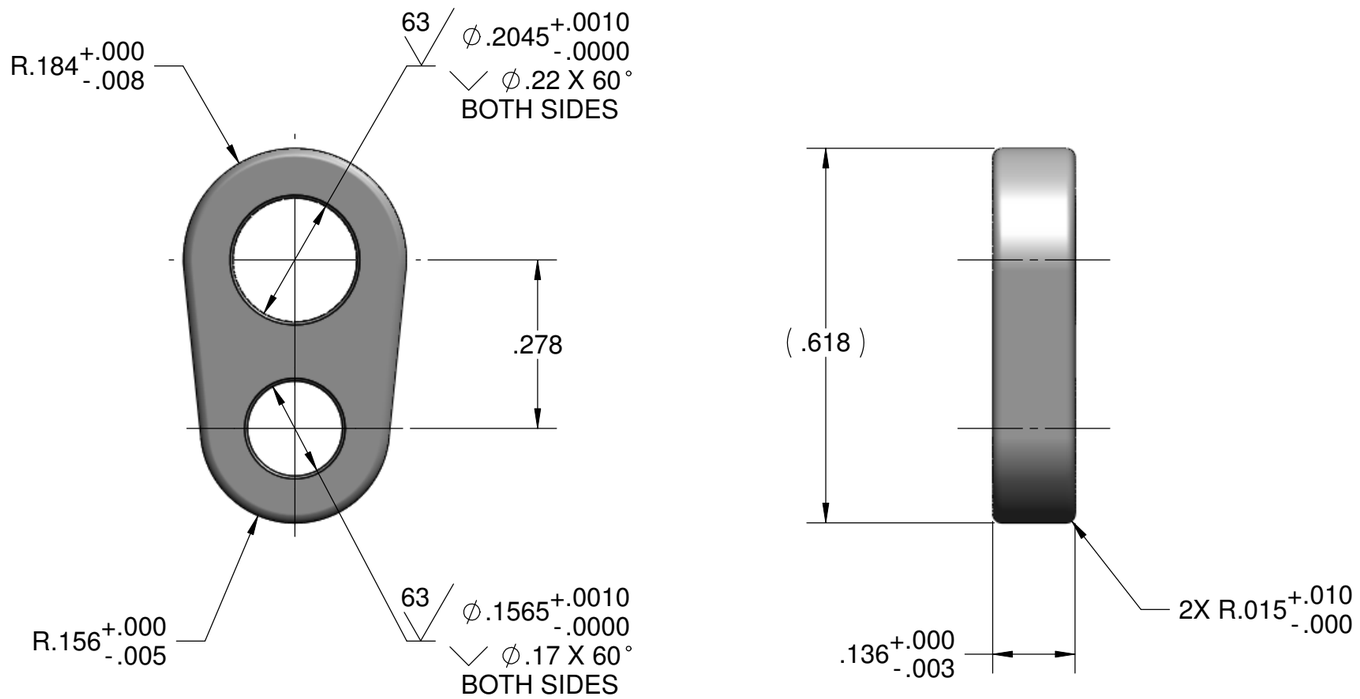
TITLE: SAFETY, GRIP
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	6501828	X

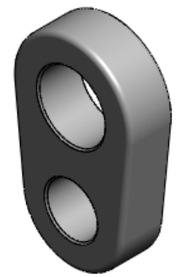
SCALE: 3:1 | WEIGHT: 0.07 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD



NOTES:

1. MATERIAL: STEEL, 1045, ASTM A576; AUSTENITIC GRAIN SIZE 7 OR FINER.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	07/29/2010
DRAWN	R Benson	09/15/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1

HEAT TREAT: AUSTEMPER; RH C 40-47

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

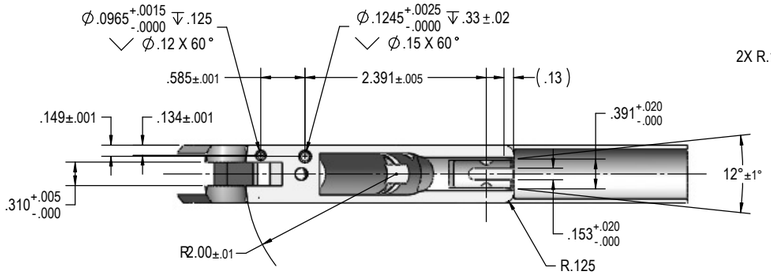
LINK, BARREL

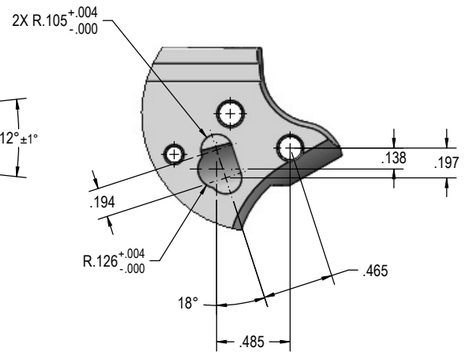
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	7267771	X

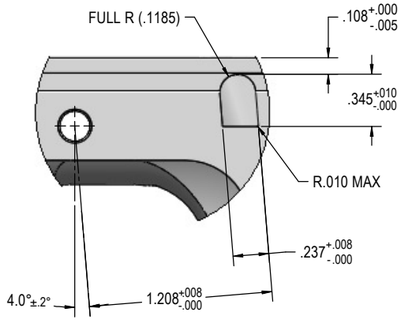
SCALE: 4:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

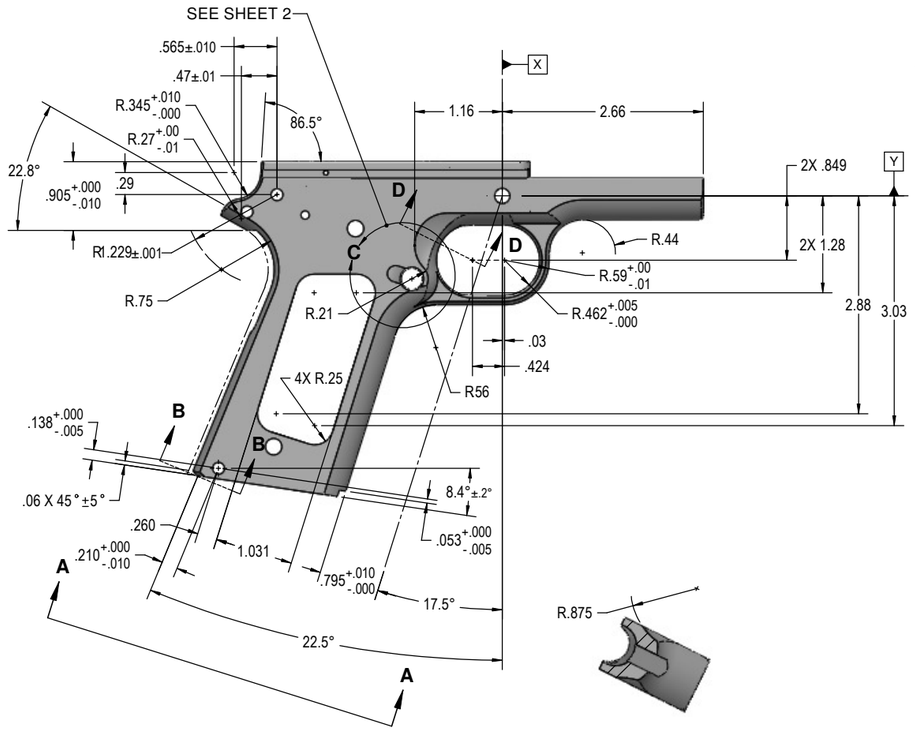


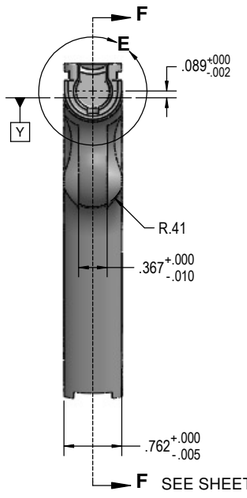


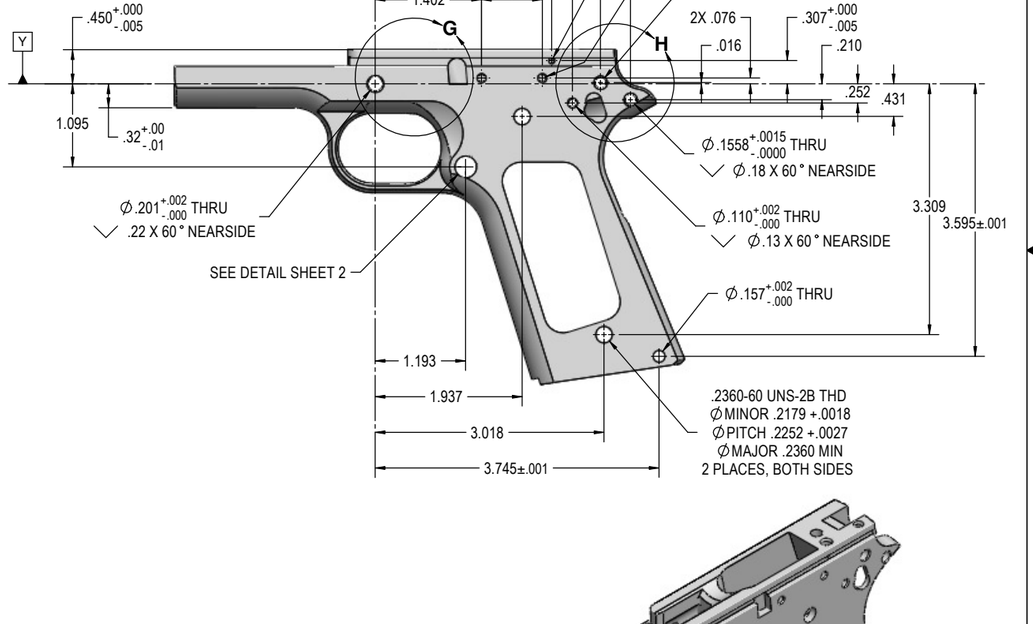
DETAIL H
SCALE 2 : 1



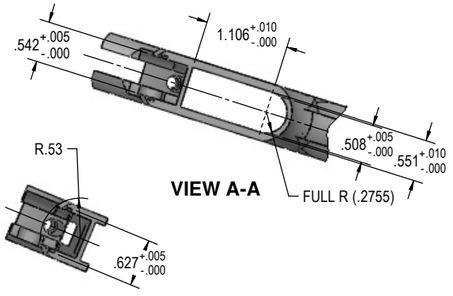
DETAIL G
SCALE 2 : 1





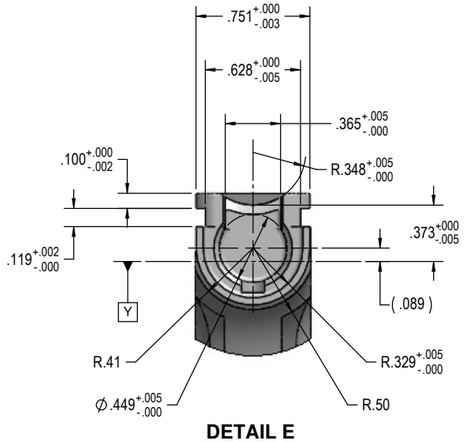


SECTION D-D



VIEW A-A

VIEW B-B



DETAIL E
SCALE 2 : 1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
	MODELED	R Benson	08/06/2010
	DRAWN	R Benson	09/12/2010
	ENGRG		
	MFG		
	QA		
THIRD ANGLE PROJECTION	MATERIAL: STEEL, 1035, ASTM A576		
	HEAT TREAT		
DO NOT SCALE DRAWING	FINISH: PARA 5.3.1.2 OF MIL-STD-171		

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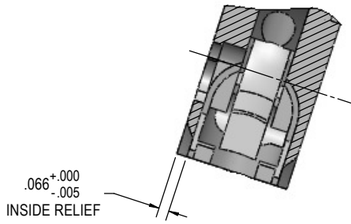
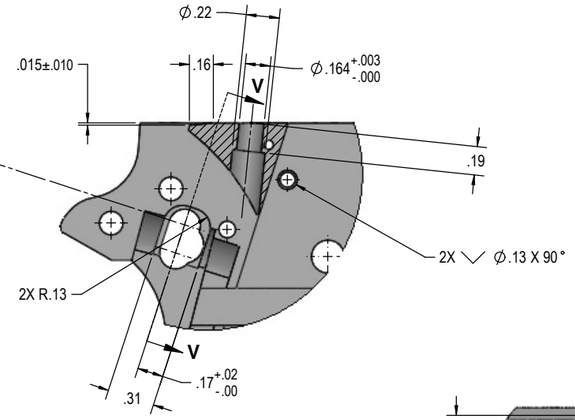
TITLE: RECEIVER
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	6535359	X

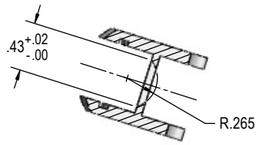
SCALE: 1:1 | WEIGHT: 0.74 LB | SHEET 1 of 2



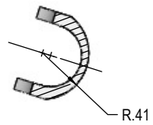
SECTION V-V
SCALE 2 : 1



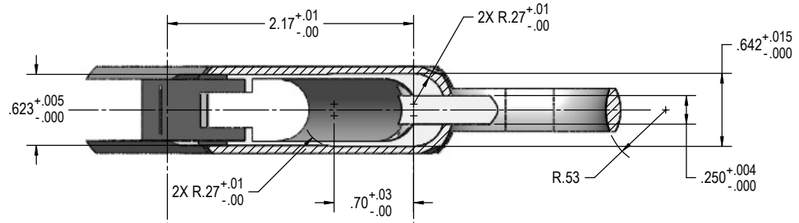
DETAIL L
SCALE 2 : 1



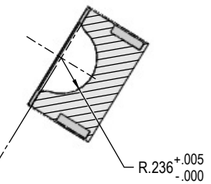
SECTION U-U
SCALE 1.5 : 1
(17.5° TO DATUM Y)



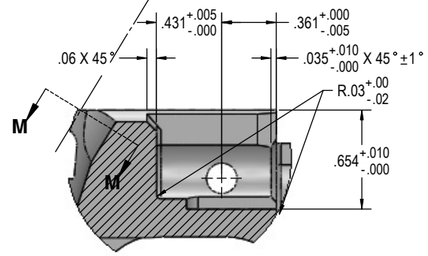
SECTION N-N
SCALE 1.5 : 1
(17.5° TO DATUM Y)



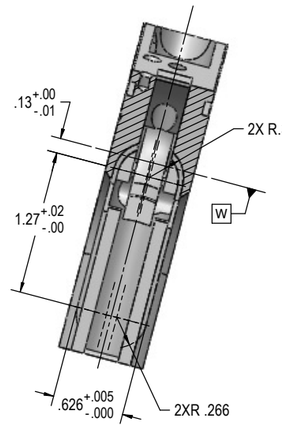
SECTION J-J
SCALE 1.5 : 1



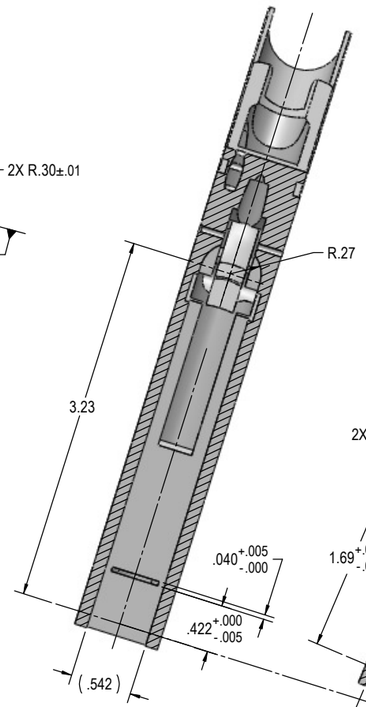
SECTION M-M
SCALE 2 : 1
(32° TO DATUM Y)



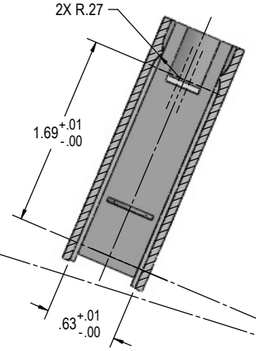
DETAIL K
SCALE 2 : 1



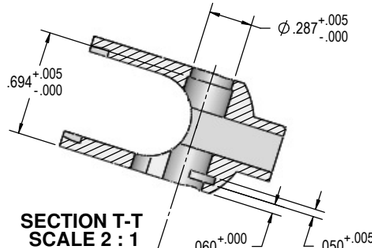
SECTION S-S
SCALE 1.5 : 1
(14.75° TO DATUM X)



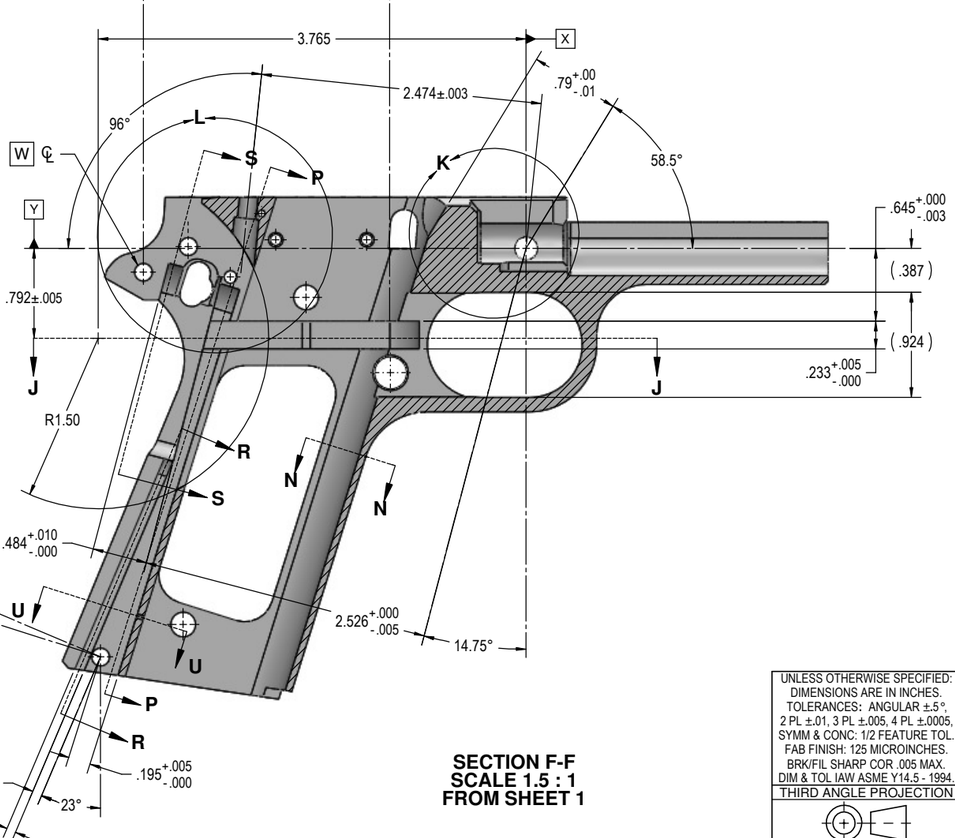
SECTION R-R
SCALE 1.5 : 1
(17.5° TO DATUM X)



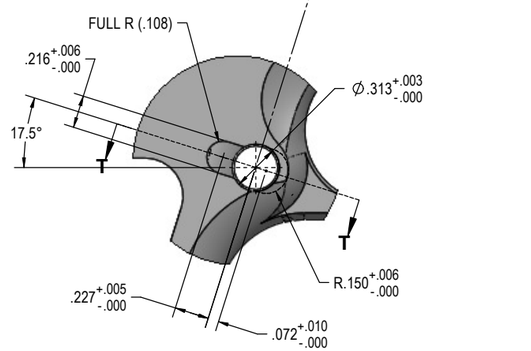
SECTION P-P
SCALE 1.5 : 1
(23° TO DATUM X)



SECTION T-T
SCALE 2 : 1



SECTION F-F
SCALE 1.5 : 1
FROM SHEET 1



DETAIL C
SCALE 2 : 1
FROM SHEET 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/06/2010
DRAWN	R Benson	09/12/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1035, ASTM A576
HEAT TREAT:
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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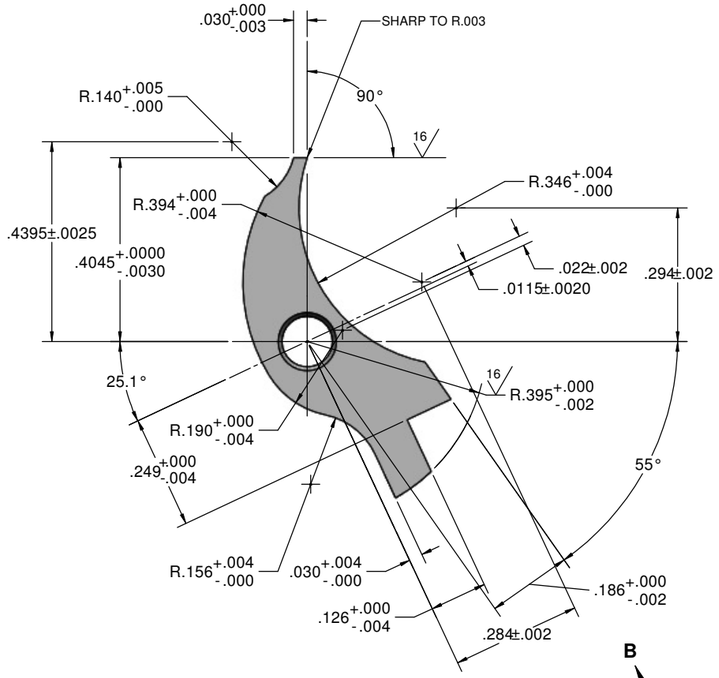
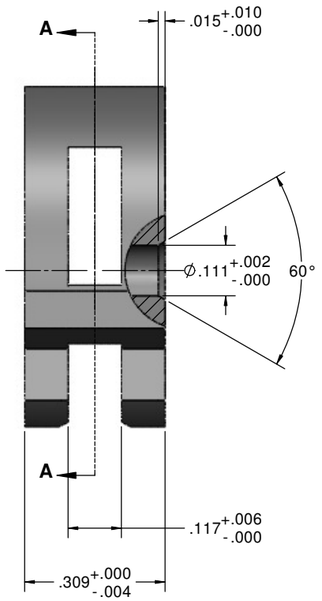
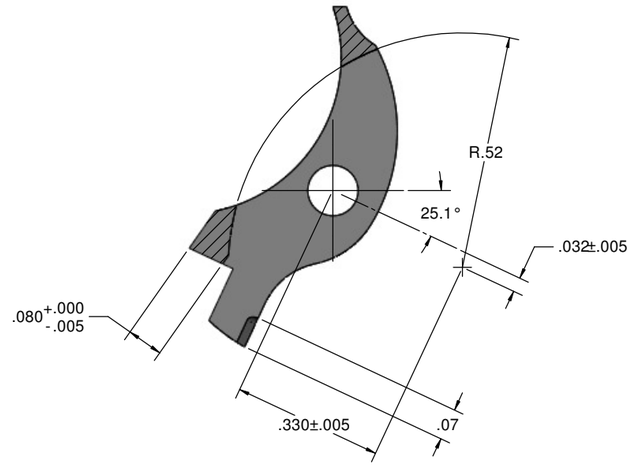
TITLE
RECEIVER
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE D | DWG NO. 6535359 | REV X
SCALE: 1:1 | WEIGHT: 0.74 LB | SHEET 2 of 2

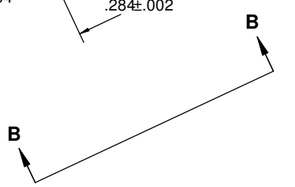
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

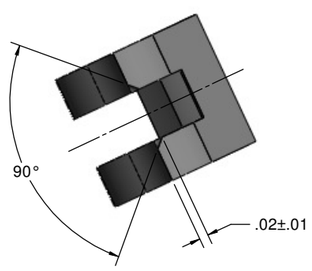






SECTION A-A
SCALE 6 : 1





VIEW B-B

NOTES:

1. MATERIAL:
   WROUGHT: STEEL, 4150, ASTM A576;
   AUSTENITIC GRAIN SIZE 6 OR FINER.
   CAST: STEEL, IC4150, ASTM A732.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/21/2010
DRAWN	R Benson	09/15/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 43.5-50
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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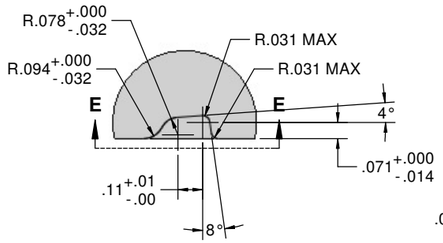
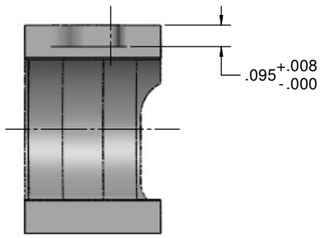
TITLE
SEAR
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE D | DWG NO. 7268068 | REV X
SCALE: 6:1 | WEIGHT: 0.01 LB | SHEET 1 of 1

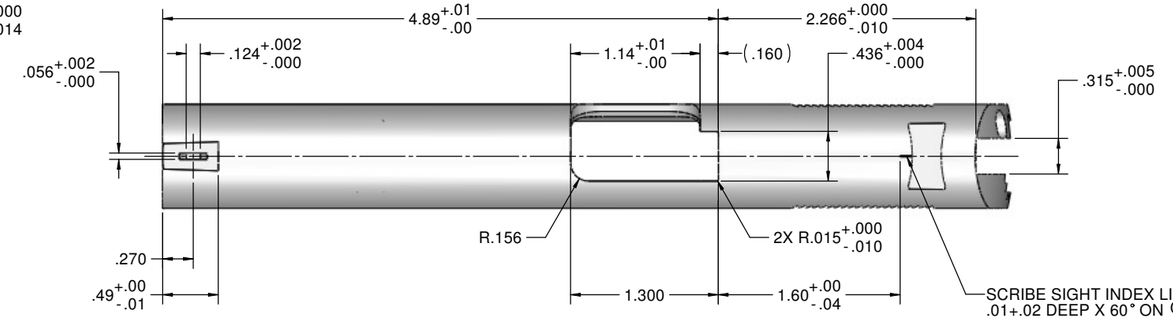
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

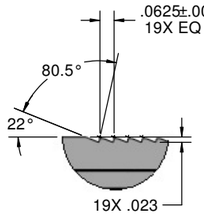


DETAIL C
SCALE 3 : 1

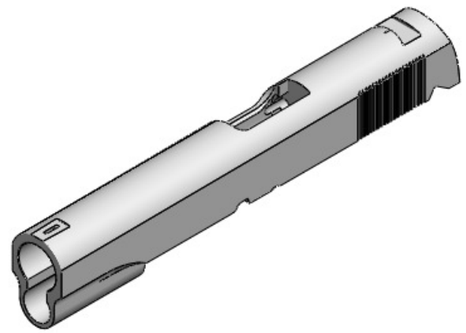


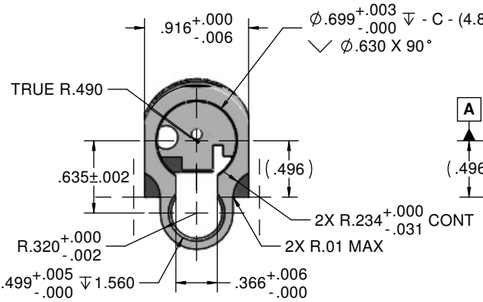
SECTION E-E
SCALE 3 : 1

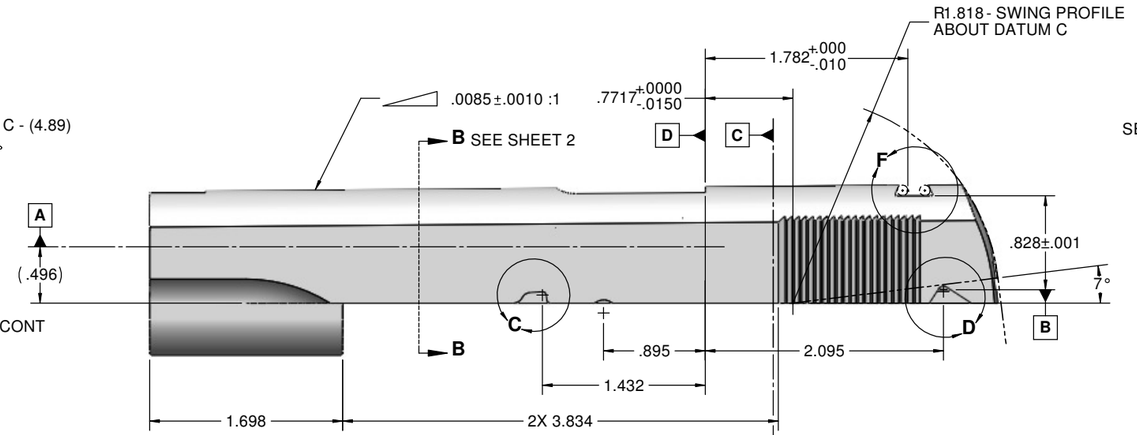


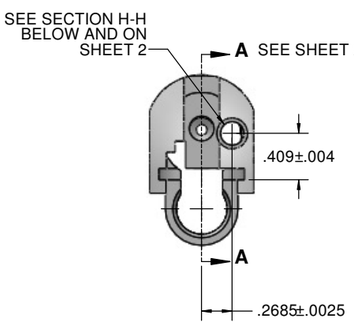


DETAIL J
SCALE 3 : 1
19 SERRATIONS
EQ SP @ .0625
BOTH SIDES



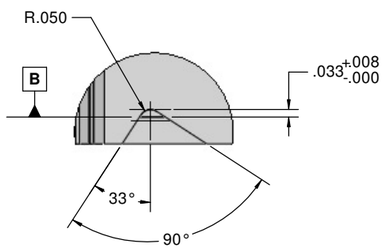




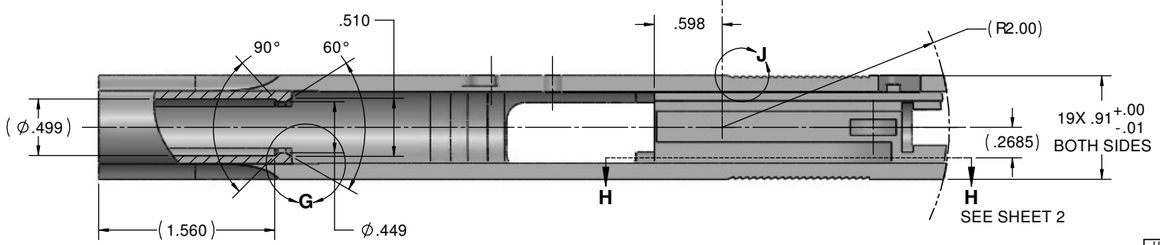


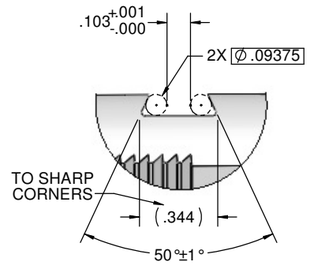
NOTES:

1. MATERIAL: STEEL, 4140, ASTM A108; AUSTENITE GRAIN SIZE 5 OR FINER.

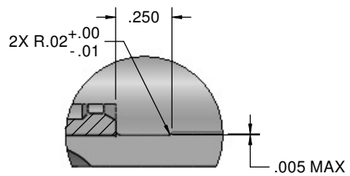


DETAIL D
SCALE 3 : 1





DETAIL F
SCALE 3 : 1



DETAIL G
SCALE 3 : 1
BOTH SIDES

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.		BY	DATE
THIRD ANGLE PROJECTION	MODELED	R Benson	07/26/2010
	DRAWN	R Benson	07/31/2010
	ENGRG		
	MFG		
	QA		
DO NOT SCALE DRAWING	MATERIAL	SEE NOTE 1	
	HEAT TREAT	RH C 48-52	
	FINISH	PARA 5.3.1.2 OF MIL-STD-171	

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TITLE

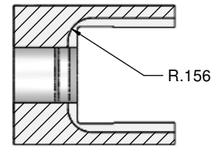
SLIDE

—

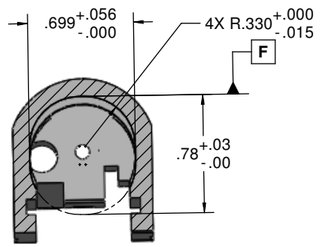
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	7790314	X

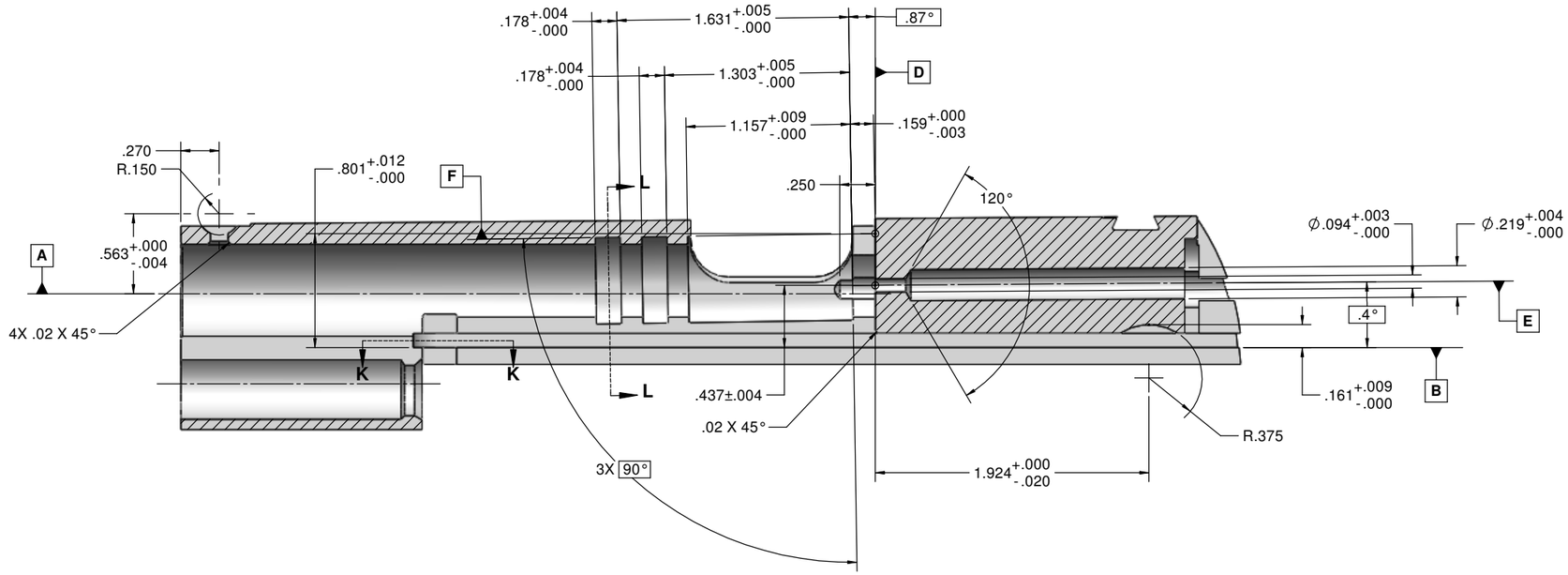
SCALE: 3:2	WEIGHT: 0.83 LB	SHEET 1 of 2



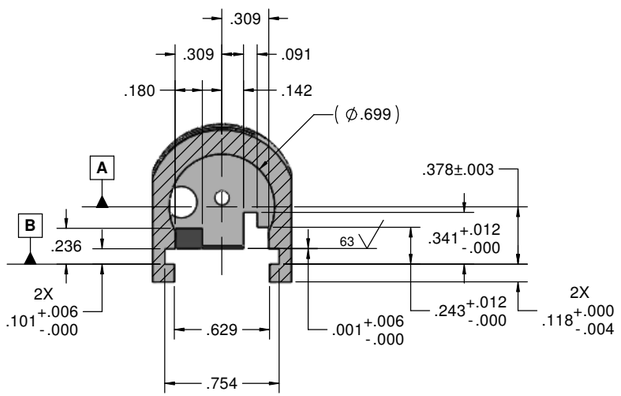
SECTION K-K
SCALE 2 : 1



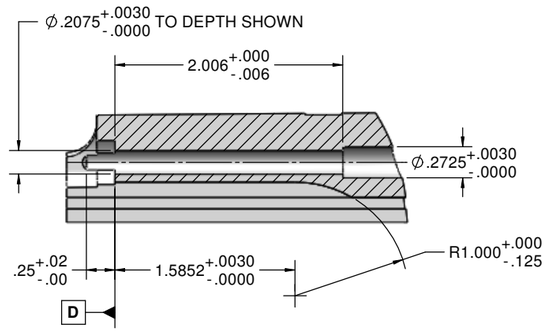
SECTION L-L
SCALE 2 : 1
BREECH LOCK PROFILE
3 PLACES ALONG DATUM F



SECTION A-A
SCALE 2 : 1
FROM SHEET 1



SECTION B-B
SCALE 2 : 1
FROM SHEET 1



SECTION H-H
FROM SHEET 1

	BY	DATE
MODELED	R Benson	07/26/2010
DRAWN	R Benson	07/31/2010
ENGRG		
MFG		
QA		

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

MATERIAL: SEE NOTE 1
HEAT TREAT: RH C 48-52
FINISH: PARA 5.3.1.2 OF MIL-STD-171

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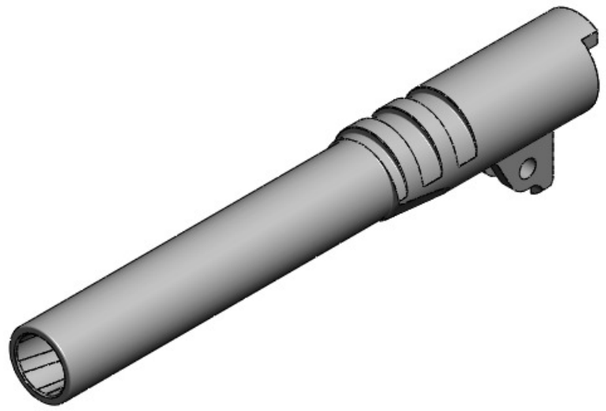
TITLE
SLIDE
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	7790314	X

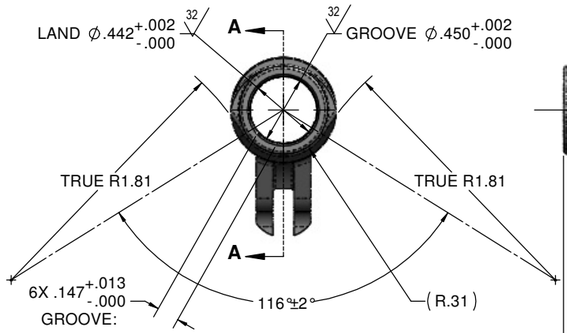
SCALE: 3:2 | WEIGHT: 0.83 LB | SHEET 2 of 2

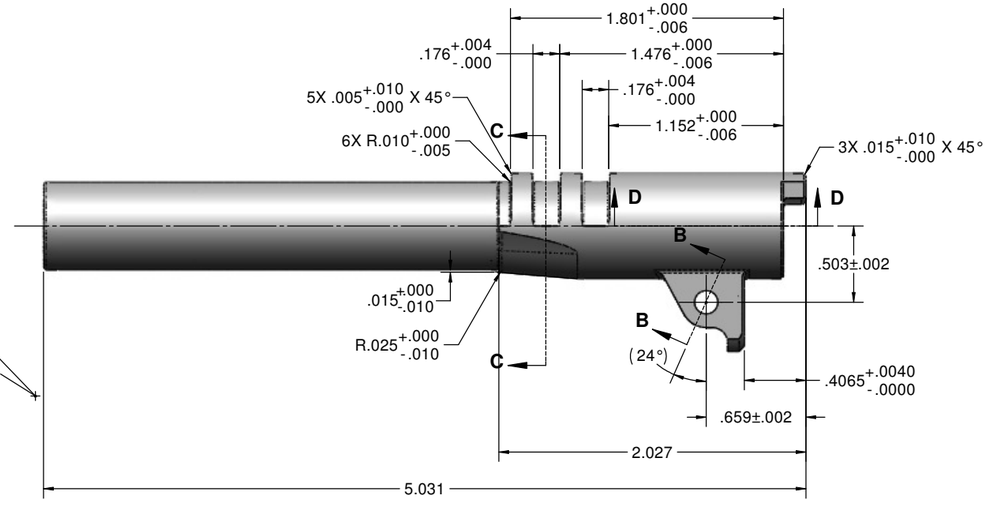
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD

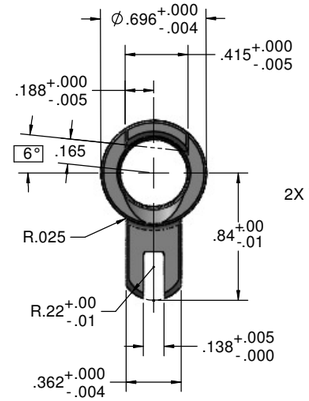


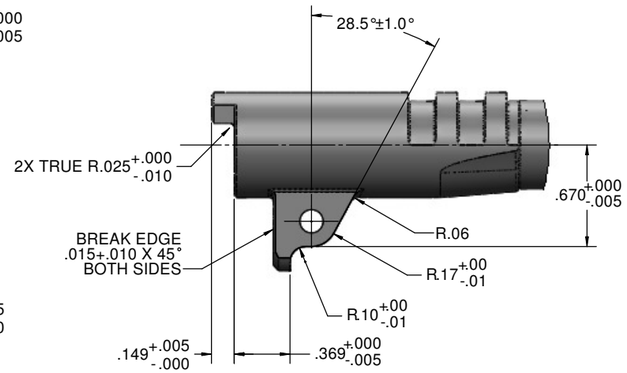
NOTES:

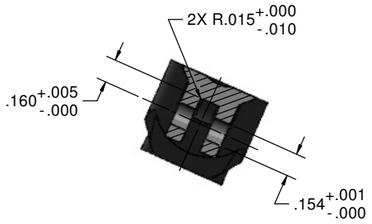
1. MACHINED FINISH $\sqrt{63}$ EXCEPT AS NOTED.
2. DIAMETERS AT MUZZLE SHALL NOT BE GREATER THAN THOSE AT BREECH.
3. MATERIAL: STEEL, 4150, ASTM A-108; AUSTENITIC GRAIN SIZE 5 OR FINER.
4. HEAT TREATMENT: AUSTEMPER TO RH C 53 TO 56.5. ALL DIMENSIONS APPLY AFTER HEAT TREATMENT.
5. FINISH: THIN DENSE CHROME COATING (ARMOLOY TDC) IAW SAE AMS2438, AFTER SURFACE POLISHING.



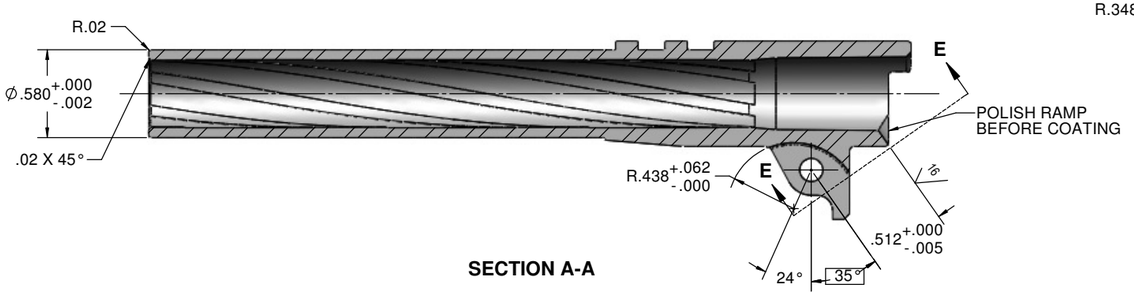




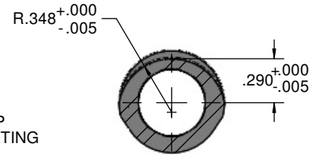




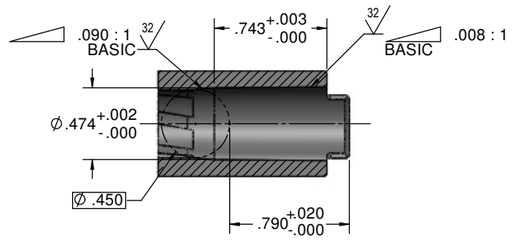
SECTION B-B



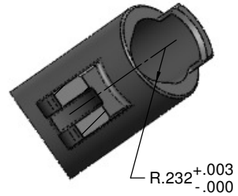
SECTION A-A



SECTION C-C



SECTION D-D



SECTION G-G

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCHES.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	07/29/2010
DRAWN	R Benson	09/15/2010
ENGRG		
MFG		
QA		

MATERIAL: SEE NOTE 3
HEAT TREAT: SEE NOTE 4
FINISH: SEE NOTE 5

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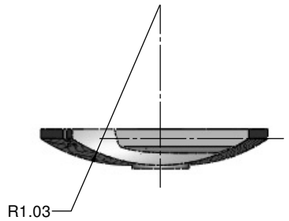
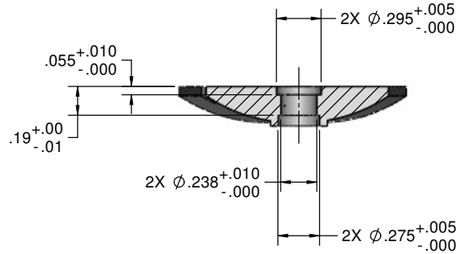
TITLE
BARREL
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	7791193	X

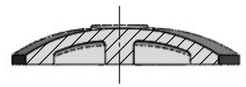
SCALE: 2:1 | WEIGHT: 0.21 LB | SHEET 1 of 1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPRVD





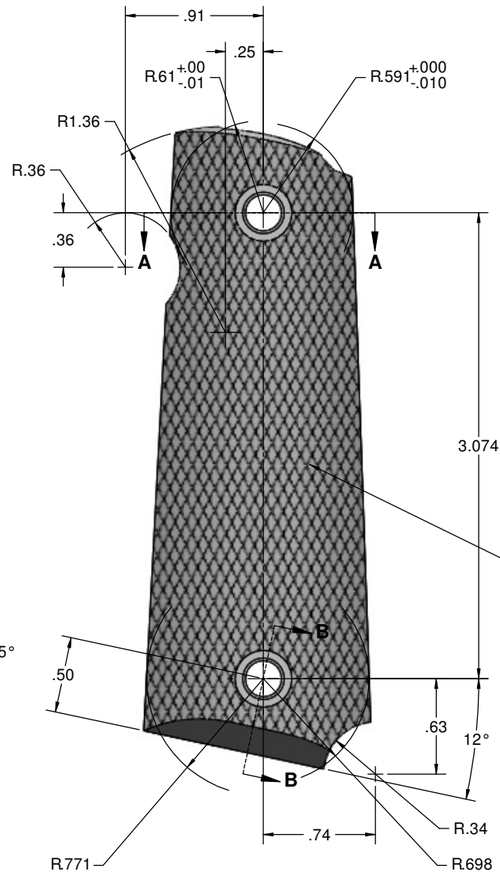
SECTION A-A

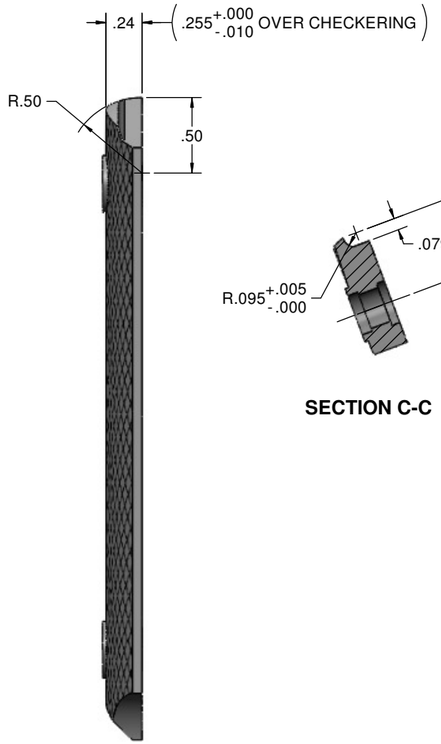


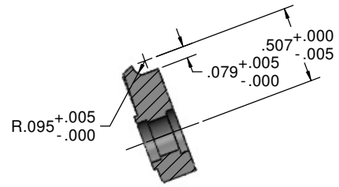
SECTION D-D

NOTES: (UNLESS OTHERWISE SPECIFIED)

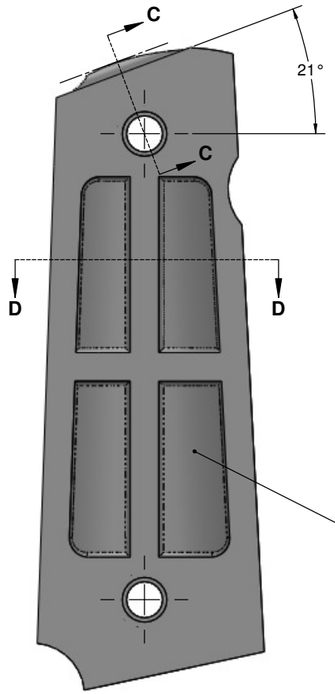
1. RECESSES SHOWN ARE NONFUNCTIONAL, AND ARE PERMITTED WITHIN REASONABLE LIMITS FOR STABILITY OF THE MOLDED PRODUCT.
2. MATERIAL: MOLDING PLASTIC IAW MIL-M-14, PHENOLIC, TYPE CFI-20.
   COLOR: NO. 20045, 20059 OR 20062 OF TABLE ii, FED STD NO. 595; SEMI-GLOSS BROWN.
3. CHECKERING IS 20° DIAGONAL DIAMOND, 90° GROOVES, .O6 CENTER TO CENTER ON THE DIAGONAL.

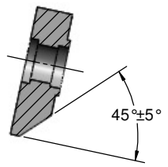




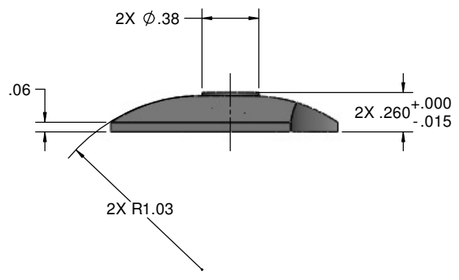


SECTION C-C





SECTION B-B



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCHES. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994. THIRD ANGLE PROJECTION DO NOT SCALE DRAWING		BY	DATE
	MODELED	R Benson	09/05/2010
	DRAWN	R Benson	09/06/2010
	ENGRG		
	MFG		
	QA		
MATERIAL	SEE NOTE 2		
HEAT TREAT			
FINISH			

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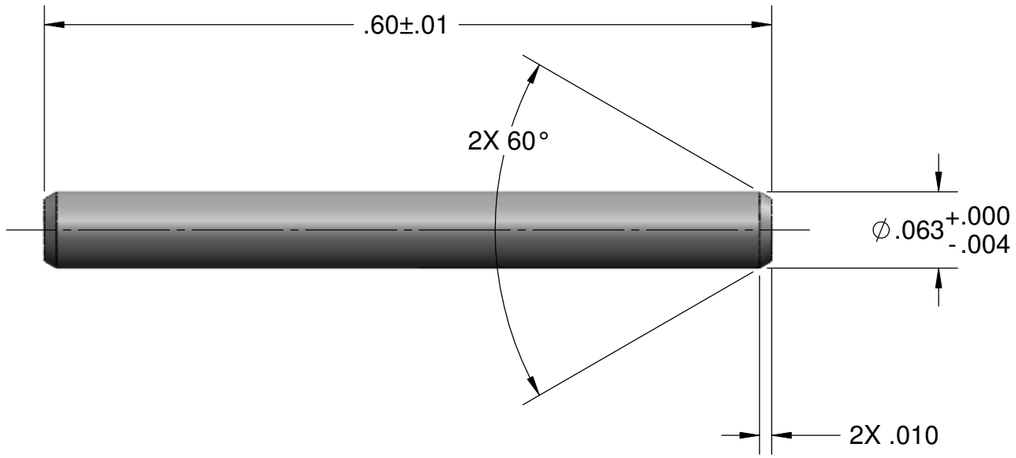
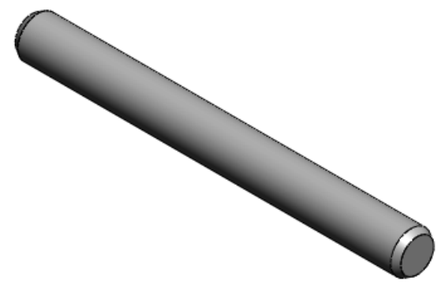
TITLE
STOCK, LH, PLASTIC
—
1st MADE FOR: **M1911-A1 REDUX**

SIZE	DWG NO.	REV
D	BC10090501	-
SCALE: 2:1	WEIGHT: 0.03 LB	SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCE: ANGULAR ±.5°, 2 PL ±.01, 3 PL ±.005, 4 PL ±.0005, SYMM & CONC: 1/2 FEATURE TOL. FAB FINISH: 125 MICROINCH. BRK/FIL SHARP COR .005 MAX. DIM & TOL IAW ASME Y14.5 - 1994.
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/24/2010
DRAWN	R Benson	09/16/2010
ENGRG		
MFG		
QA		

MATERIAL: STEEL, 1018, ASTM A108

HEAT TREAT:

FINISH: PARA 5.3.1.2 OF MIL-STD-171

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TITLE

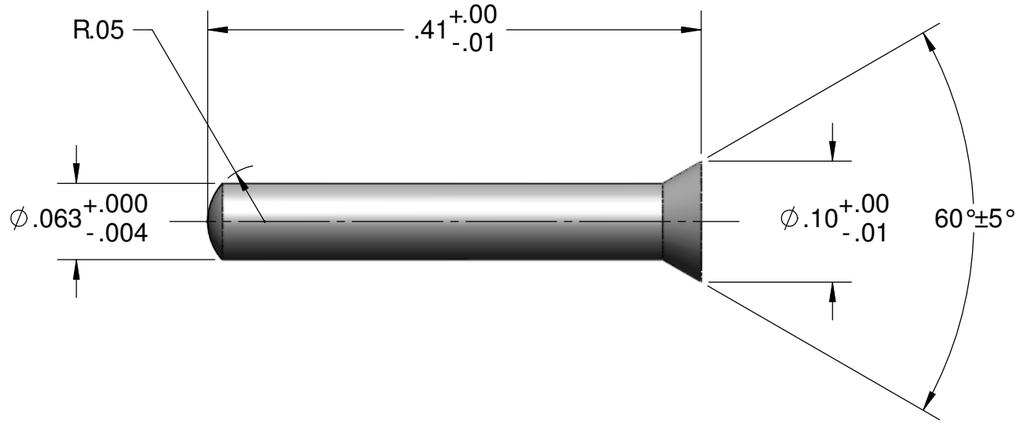
PIN, MAGAZINE BASE

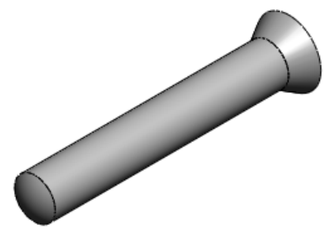
1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	BC10091601	-

SCALE: 8:1 | WEIGHT: 0.00 LB | SHEET 1 of 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPRVD





UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCE: ANGULAR ±.5°,
2 PL ±.01, 3 PL ±.005, 4 PL ±.0005,
SYMM & CONC: 1/2 FEATURE TOL.
FAB FINISH: 125 MICROINCH.
BRK/FIL SHARP COR .005 MAX.
DIM & TOL IAW ASME Y14.5 - 1994.

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

	BY	DATE
MODELED	R Benson	08/24/2010
DRAWN	R Benson	09/16/2010
ENGRG		
MFG		
QA		

MATERIAL: DRILL ROD, O2, ASTM A681

HEAT TREAT: RH C 34.5-41

FINISH: PARA 5.3.1.2 OF MIL-STD-171

Benson Consulting, LLP

Gastonia, NC 28054 • *rhbenson@earthlink.net* • *1-704-860-1202*

TITLE

PIN, MAINSPRING CAP

1st MADE FOR: M1911-A1 REDUX

SIZE	DWG NO	REV
B	BC10091602	-

SCALE: 12:1 | WEIGHT: 0.00 LB | SHEET 1 of 1