

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	1709008 Hammer	Bolt	1
2	1709002 Breech	Breech	1
3	1709004 Forward Plug and Ball Feed	Forward Plud and Ball Feed	1
4	1709009 Feed Tube	Outer Feed Tube	1
5	pistol grip	BLANK	1
6	shotgun barrel	BLANK	1
7	Phantom Puncture Pin	BLANK	1
8	1709007 Bolt	Bolt	1
9	170915 Front Clamp	Front Clamp	1
10	Lever Changer	BLANK	1
11	1709004-1 Forward Plug and Ball Feed	Forward Plud and Ball Feed	1
12	Valve Spring	BLANK	2
13	1709015 Trigger Assembly	Trigger Assembly	1
14	1709024 Pump Assembly	Pump Assembly	1
15	1709025 Inner Feed Tube Assembly	Inner Feed Tube Assembly	1
16	1709026 Body Assembly	Body Assembly	1
17	1709027 Valve Assembly	Valve Assembly	1
18	011 oring	011 Buna Oring	1
19	013 oring	013 Buna Oring	2
20	[04] 1/4" x 3/4"	SHOULDER SCREW 1/4" x 3/4"	1
21	[03] 1/4" x 0.625"	SHOULDER SCREW 1/4" x 0.625"	2
22	[463] #10 -32 UNF x 0.375	Countersunk S.H.C.S. #10 - 32 UNF x 0.375	1
23	[443] #10 -24 UNC x .44	Countersunk S.H.C.S. #10 - 24 UNC x 7/16	1
24	[a51] 0.3125 -18 UNC x 2	S.H.C.S. 0.3125 -18 UNC x 2	1
25	[19] 0.3125" SAE	Flat Washer Zinc-Plated Steel 0.3125" SAE	1
26	[848] #10 -24 UNC x 1	S.H.C.S. #10 -24 UNC x 1	1
27	[465] #10 -32 UNF x 0.625	Countersunk S.H.C.S. #10 - 32 UNF x 0.625	1

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Rev	Date	By	Modification
Scale: 1:3		Any documented scale ratio is for reference only.	
Affected Documents		Border Size	DART DSG General Assembly General Assembly
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Creation Date: 02/05/2009		By: Dan McAskill	REV A
Filename: 1709023 Shotgun Assembly V2		Sheet No.: 1 of 7	

All Tolerances to follow:

Tolerance Chart
0.0 = +/- 0.020
0.00 = +/- 0.010
0.000 = +/- 0.003
Angles = +/- .30°
DO NOT USE FRACTIONS

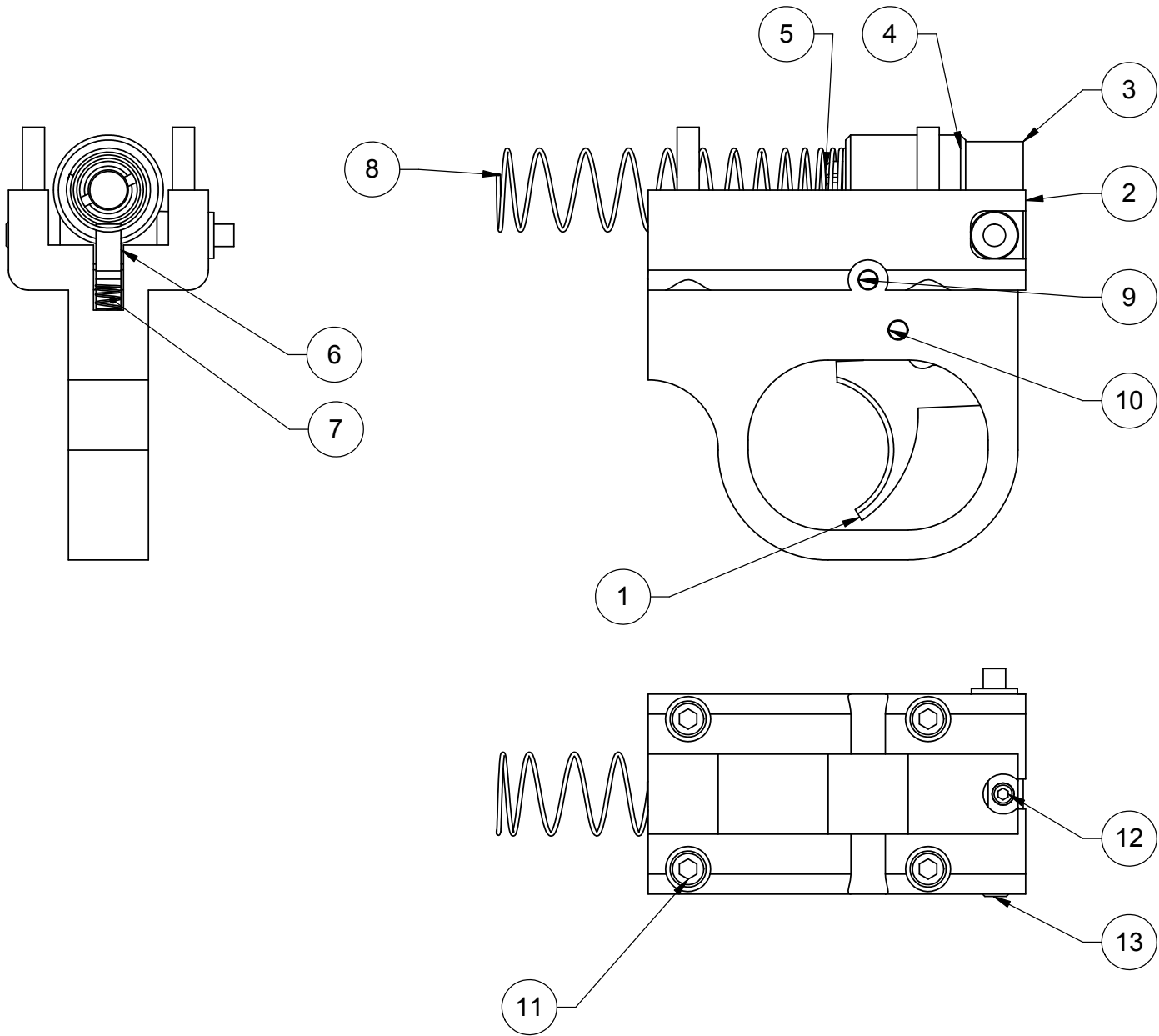
Unless Otherwise Indicated

Surface Finish Ref: ASME Y14.36

Welding Symbols: ANSI A2.4

CAUTION: This is a inch drawing.
All dimensions are in inch
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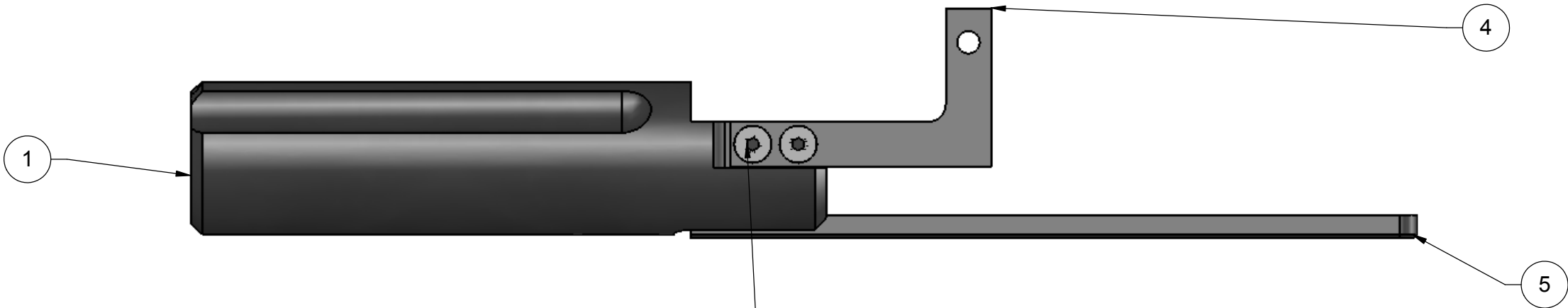
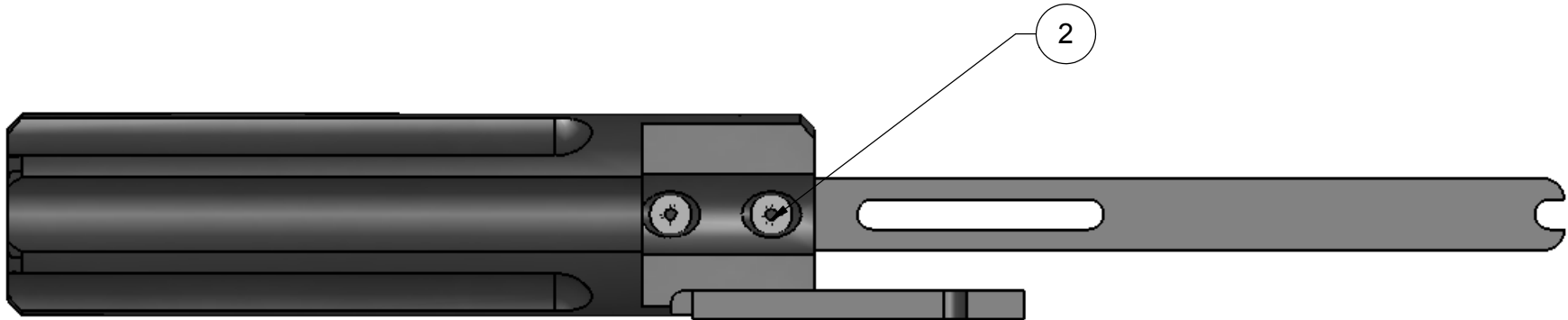


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Trigger V3		1
2	1709003 Trigger Block	Trigger Block	1
3	gear head	BLANK	1
4	1709005 Velocity Adjuster Shell	Velocity Adjuster Shell	1
5	1709006 Velocity Adjuster Core	Velocity Adjuster Core	1
6	1709014 Sear	Sear	1
7	Trigger Spring	BLANK	1
8	Main Spring	BLANK	1
9	0.125" x 0.5"	0.125" x 0.5" Dowel Pin	1
10	0.125" x 0.5"	0.125" x 0.5" Mild Steel Spring Pin	1
11	[648] #6 -32 UNC x ¾"	S.H.C.S. #6 -32 UNC x ¾"	4
12	[641] #6 -32 UNC x ¼"	SET SCREW, CUP POINT #6 -32 UNC x ¼"	1
13	[741] #8 -32 UNC x ¼"	SET SCREW, CUP POINT #8 -32 UNC x ¼"	1

Rev	Date	By	Modification
	01/01/2001	BLANK	BLANK

All Tolerances to follow: Tolerance Chart 0.0 = +/- 0.020 0.00 = +/- 0.010 0.000 = +/- 0.003 Angles = +/- .30° DO NOT USE FRACTIONS		Affected Documents	Scale: 1:1	Any documented scale ratio is for reference only.	
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Creation Date: 04/03/2009		By: Dan McAskill		Filename: 1709023 Shotgun Assembly V2	
Copyright 2009		REV A		Sheet No.: 2 of 7	

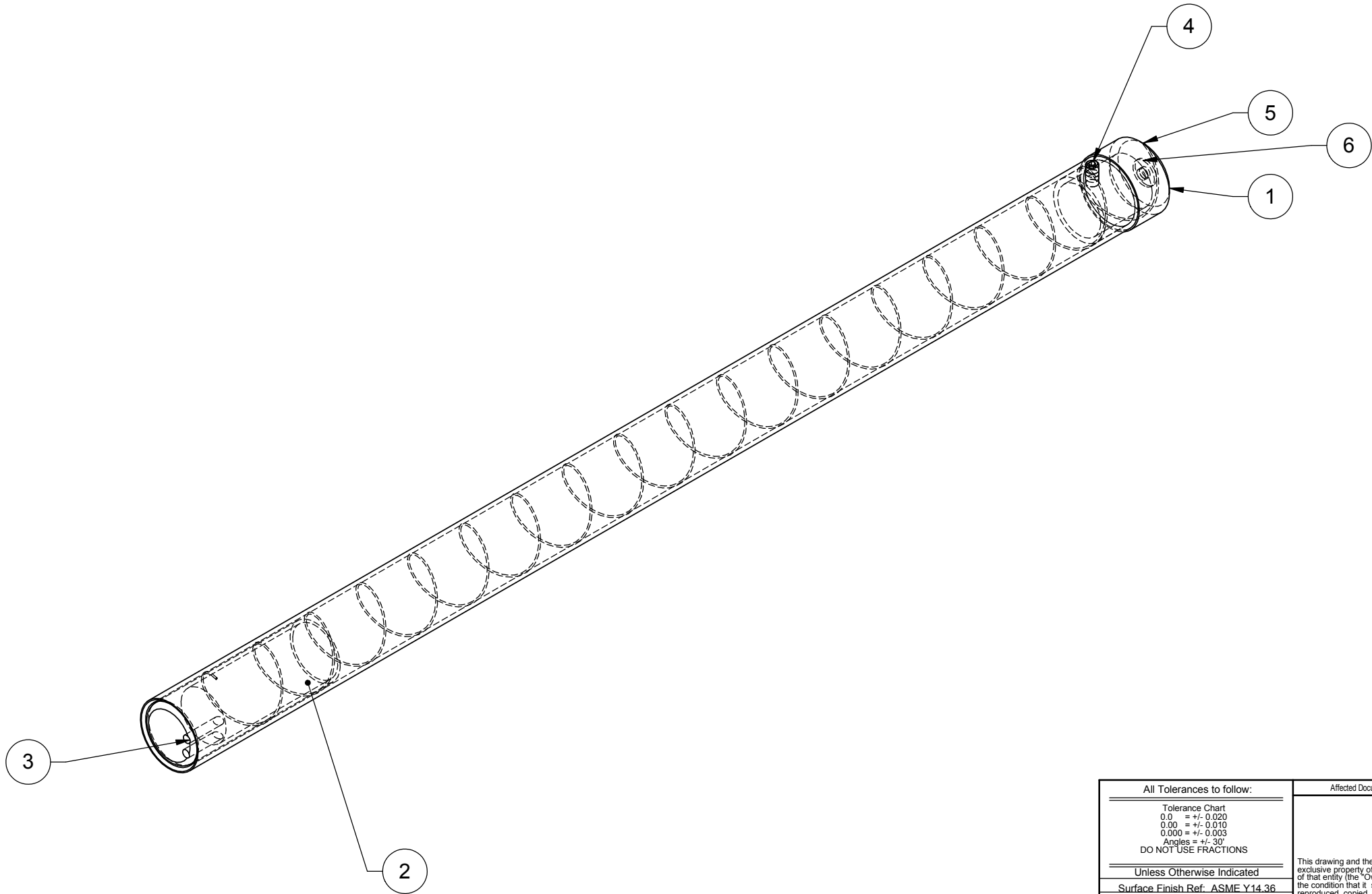
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1709010 Pump V2	Pump	1
2	[342] #8 -32 UNC x 0.375	Countersunk S.H.C.S. #8 -32 UNC x 0.375	2
3	[442] #10 -24 UNC x 0.375	Countersunk S.H.C.S. #10 -24 UNC x 0.375	2
4	1709012 Bolt Rod	Bolt Rod	1
5	1709022 Cocking Arm	Cocking Arm	1



Rev	Date	By	Modification
01/01/2001	BLANK	BLANK	

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Creation Date: 23/08/2009		By: Dan McAskill		Filename: 1709023 Shotgun Assembly V2	
Copyright 2009		REV A		Sheet No.: 3 of 7	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1709020 Feed Tube End Cap	Feed Tube End Cap	1
2	1709021 Inner Feed Tube	Inner Feed Tube	1
3	1709016 Feed Pusher	Feed Pusher	1
4	[641] #6 -32 UNC x ¼	SET SCREW, CUP POINT #6 -32 UNC x ¼	1
5	Springfeed spring	BLANK	1
6	[12] #4 SAE	Flat Washer Zinc-Plated Steel #4 SAE	1



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Rev	Date	By	Modification
Scale: 3:4		Any documented scale ratio is for reference only.	
Affected Documents		Border Size	
		B	
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		1709 - 025	
Creation Date: 23/08/2009		Filename: 1709023 Shotgun Assembly V2	
By: Dan McAskill		REV A	
		Sheet No.: 4 of 7	

All Tolerances to follow:

Tolerance Chart

0.0 = +/- 0.020

0.00 = +/- 0.010

0.000 = +/- 0.003

Angles = +/- .30°

DO NOT USE FRACTIONS

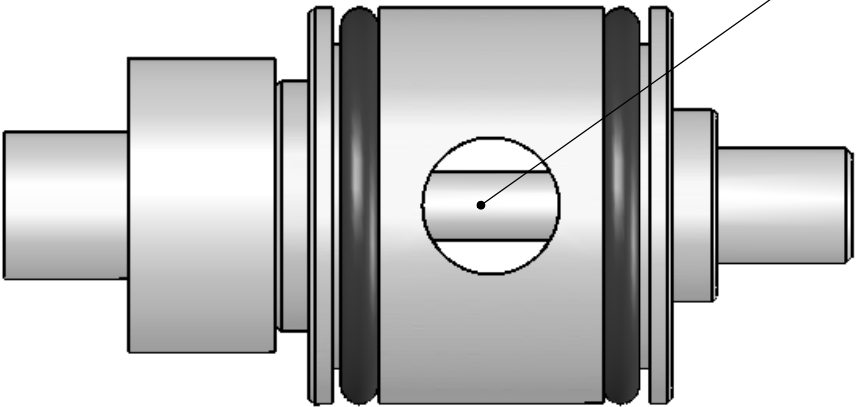
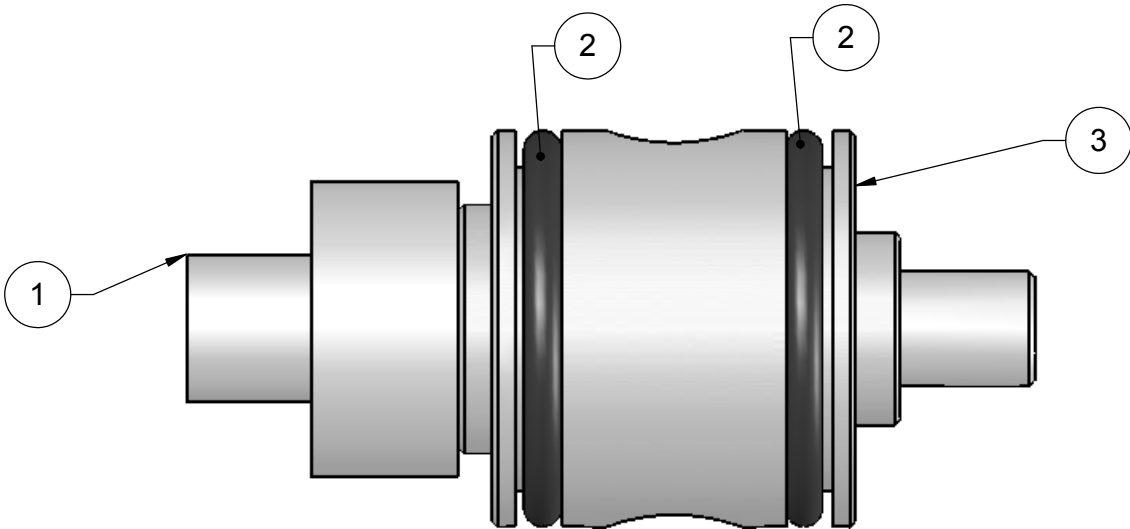
Unless Otherwise Indicated

Surface Finish Ref: ASME Y14.36

Welding Symbols: ANSI A2.4

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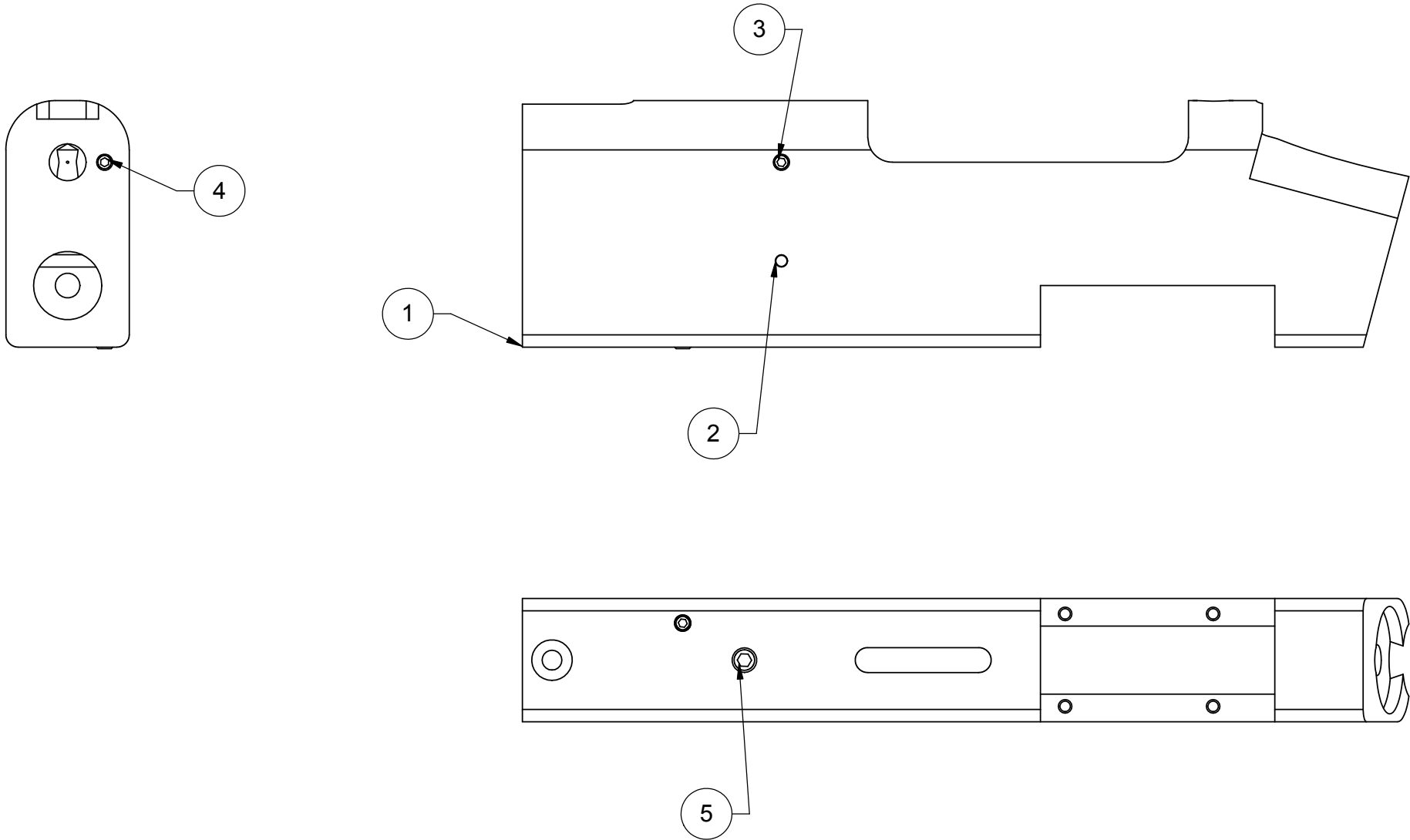
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Wrath Cup Seal	Cup Seal	1
2	015 oring	015 Buna Oring	2
3	1709028 Valve Body	Valve Body	1



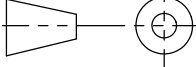
This is what you should see though the empty hole for the valve retention screw

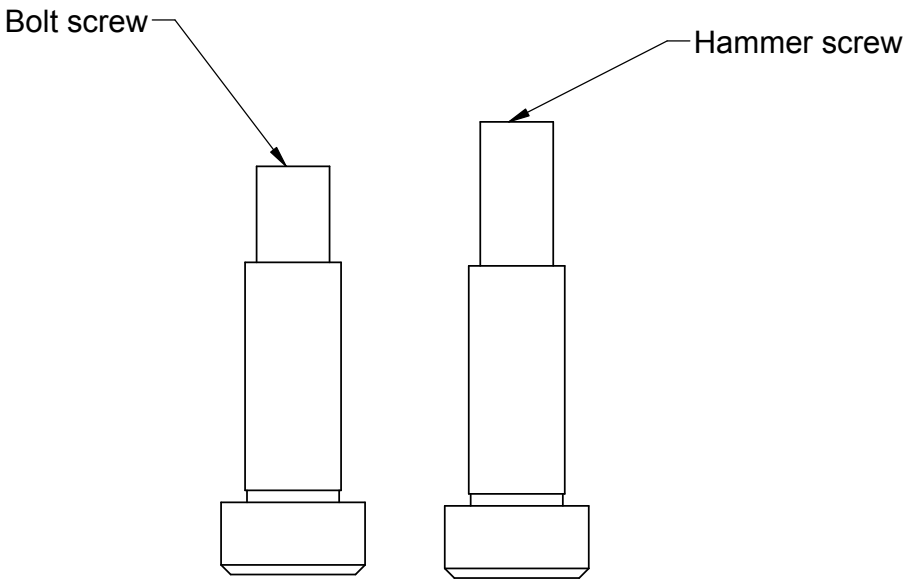
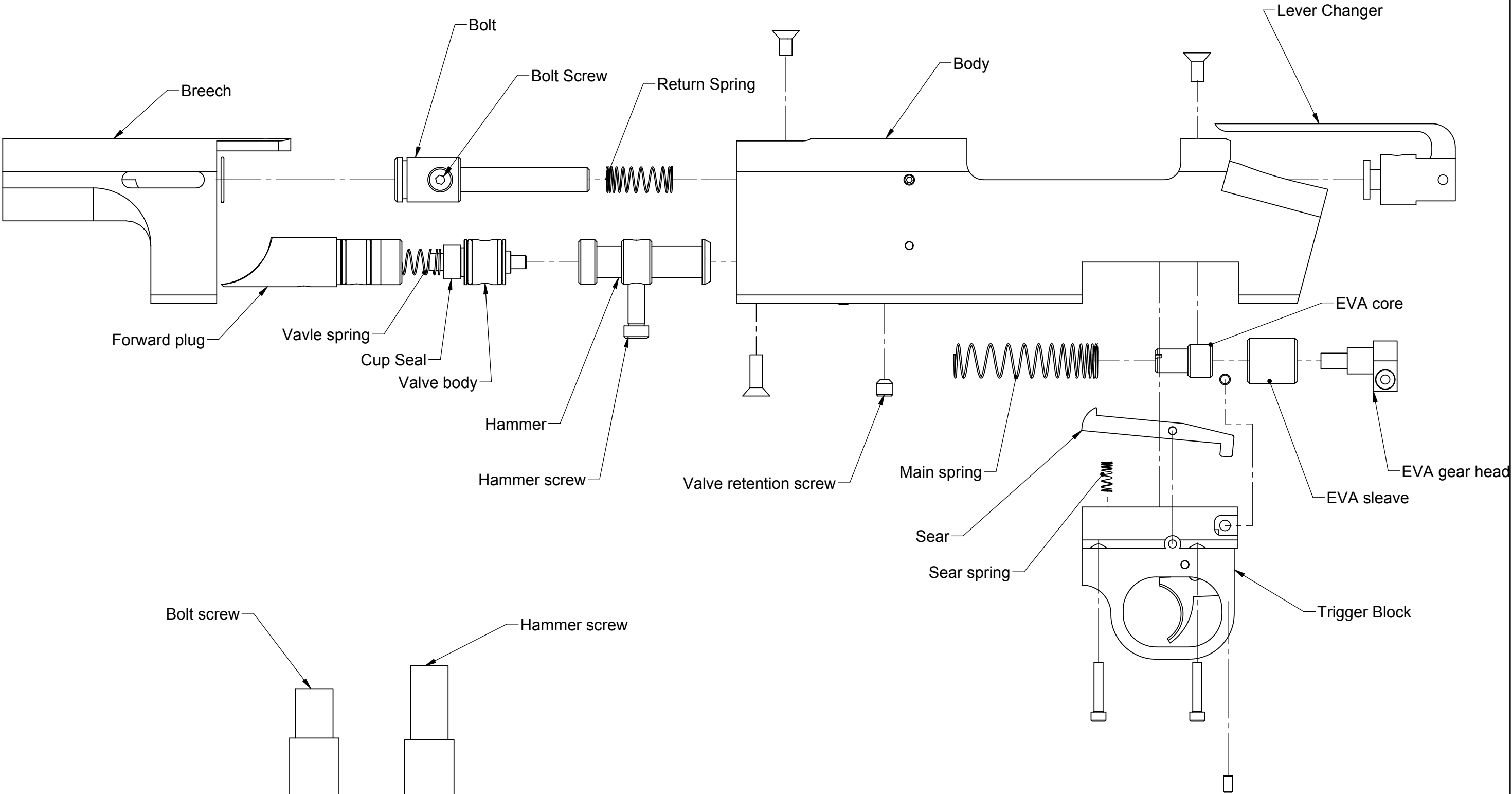
All Tolerances to follow: Tolerance Chart 0.0 = +/- 0.020 0.00 = +/- 0.010 0.000 = +/- 0.003 Angles = +/- .30° DO NOT USE FRACTIONS		Affected Documents	Scale: 3:1	Any documented scale ratio is for reference only.	
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Creation Date: 23/08/2009		By: Dan McAskill	Filename: 1709023 Shotgun Assembly V2	REV A	Sheet No.: 5 of 7

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1709001 Reciever	Reciever	1
2	0.125" x 1.25"	0.125" x 1.25" Dowel Pin	1
3	[741] #8 -32 UNC x ¼	SET SCREW, CUP POINT #8 -32 UNC x ¼	2
4	[743] #8 -32 UNC x 0.375	SET SCREW, CUP POINT #8 -32 UNC x 0.375	1
5	[966] ¼ -28 UNF x ¼	SET SCREW, CUP POINT ¼ -28 UNF x ¼	1

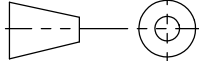


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Rev	Date	By	Modification

All Tolerances to follow: <div>Tolerance Chart 0.0 = +/- 0.020 0.00 = +/- 0.010 0.000 = +/- 0.003 Angles = +/- .30° DO NOT USE FRACTIONS</div>		Affected Documents		Scale: 2:3		Any documented scale ratio is for reference only.	
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						<div>1709 - 026</div>	
Creation Date: 23/08/2009		By: Dan McAskill		Filename: 1709023 Shotgun Assembly V2		Sheet No.: 6 of 7	



BOTH SCREWS HAVE THE SAME THREAD
BUT DIFFERENT LENGTHS

All Tolerances to follow:		Affected Documents		Scale: 2:3		Any documented scale ratio is for reference only.	
Tolerance Chart 0.0 = +/- 0.020 0.00 = +/- 0.010 0.000 = +/- 0.003 Angles = +/- .30° DO NOT USE FRACTIONS		<p>This drawing and the concepts represented hereon are the exclusive property of the entity named below, or an affiliate of that entity (the "Owner"). This drawing is provided on the condition that it shall not be published, disclosed, reproduced, copied, either in whole or in part, or used for making other drawings, apparatus, or parts without the prior written approval of the Owner in each instance. Recipient shall take all reasonable steps to ensure that this document and the concepts represented hereon are not disclosed to others. Recipient agrees to return this drawing and all copies to the Owner upon the Owner's request, and to inform the Owner of any other persons or firms who have received any copies hereof.</p> <p>Copyright 2008</p>		<p>Border Size</p> <p>B</p>		<p>DART DSG General Assembly General Assembly</p>	
Unless Otherwise Indicated							
Surface Finish Ref: ASME Y14.36							
Welding Symbols: ANSI A2.4							
CAUTION: This is a inch drawing. All dimensions are in inch unless otherwise indicated.							
				<p>1709</p>		<p>023</p>	
Creation Date: 02/05/2009		By: Dan McAskill		Filename: 1709023 Shotgun Assembly V2		REV A	
						Sheet No.: 7 of 7	