

TLW 1303

Project No. 241314

## S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## ROTATION TEST

Firecontrol No. A-43 Firecontrol Type: STANDARD Date: 1-6-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SVN  
 Engagement at Start (1) .0203 (2) .0202 (3) .0201 Average .0202  
 Engagement at End (1) .0201 (2) .0194 (3) .0208 Average .0201  
 Model No. M710 Serial No. 71149148  
 Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.25 (4) 4.25 (5) 4.25  
 Average Trigger Pull at Start of Test: 4.15 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.0 (2) 4.0 (3) 4.25 (4) 4.0 (5) 4.0  
 Average Trigger Pull at End of Test: 4.05 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: BL/JS

Additional Notes and Comments

For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI/ SAAMI Z299.5-1990

## SAAMI Specifications for Standard Rotation Test:

**Rotation Test:** Rest Firearm on the Butt end and allow Firearm to fall  
 Drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
 Firearm not ready to fire, Safe in "Safe" position, Fresh Primed Case  
 in Chamber, Magazine loaded to capacity with Dummy Rounds.  
 After each drop Fire Primed Case to verify firearm will still function.

"Rotation Test" (safety in "Safe" position) - one drop per orientation.

Note: for Firearms with the ISS system installed - The Firearms will be set with the  
ISS system in the unlocked position for both orientations of the Rotation Test.

Orientation	ISS Unlocked	Comments
Firearm Vertical, Drop so left side of Stock is Up:	Pass <u>/</u> Fail _____	
Firearm Vertical, Drop so right side of Stock is Up:	Pass <u>/</u> Fail _____	

Notes: (continue on back of sheet if necessary)

Tester's Initials BL/JS

ET21416

TLW 1303

Project No. 241314

## S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## JAR-OFF TEST

Firecontrol No. A-43 Firecontrol Type: STANDARD Date: 1-6-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SVN  
 Engagement at Start (1) .0201 (2) .0194 (3) .0208 Average .0201  
 Engagement at End (1) .0202 (2) .0204 (3) .0209 Average .0205  
 Model No. M/710 Serial No. 7114 9148  
 Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.25 (4) 4.0 (5) 4.0  
 Average Trigger Pull at Start of Test: 4.05 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.5 (2) 4.0 (3) 4.25 (4) 4.0 (5) 4.0  
 Average Trigger Pull at End of Test: 4.15 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: JS/BL

Additional Notes and Comments

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For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI/SAAMI Z299.5-1990

SAAMI Specifications for Standard Jar-Off Test:

**Jar-Off Test:** 12-inch drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
 Firearm ready to fire, Safe in "Fire" position, Fresh Primed Case in  
 Chamber, Magazine loaded to capacity with Dummy Rounds.  
 After each drop, fire Primed Case to verify firearm will still function.

12 inch-drop (safety in "Fire" position) - one drop per orientation.

Note: for Firearms with the ISS system installed - The ISS will be set in the unlocked  
position for all six orientations of the Jar-Off Test

Orientation	ISS Unlocked	Comments
Barrel Vertical, Muzzle Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Barrel Vertical, Muzzle Down:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Barrel Horizontal, Left side of Stock Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Barrel Horizontal, Right side of Stock Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	

Notes: (continue on back of sheet if necessary)

Tester's Initials JS/BL

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ET21417

TLW 1303Project No. 241714**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**

Firecontrol No. A-43 Firecontrol Type: STANDARD Date: 1-6-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SVN Engagement at Start .0205  
 Engagement at Start (1) .0202 (2) .0204 (3) .0209 Average .0205  
 Engagement at End (1) .022 (2) .023 (3) .0227 Average .0225  
 Model No. M/710 Serial No. 71149148 Engagement at End .0225  
 Trigger Pull at Start of Test (1) 4.0 (2) 4.0 (3) 4.0 (4) 4.25 (5) 4.0  
 Average Trigger Pull at Start of Test: 4.05 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 3.824 (2) 3.882 (3) 3.977 (4) 3.885 (5) 3.913  
 Average Trigger Pull at End of Test: 3.896 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: JS/BL

Additional Notes and Comments

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For additional details on the proper procedures to be used for this Test Procedure refer to:

ANSI / SAAMI Z299.5-1990

**SAAMI Specifications for Standard Drop Test:****Drop Test:**

48-inch drop - onto 1" thick 85 Durometer (Shore A) Rubber Matt  
 Firearm not ready to fire, Safe in "Safe" position, Fresh Primed Case  
 in Chamber, Magazine loaded to capacity with Dummy Rounds.  
 After each drop Fire Primed Case to verify firearm will still function.

48 inch drop (safety in "Safe" position) - one drop per orientation.

Note: for Firearms with the ISS system installed - The Firearms will be set with the

ISS system in the unlocked position for all six orientations of the Drop Test

Orientation	ISS Unlocked	Comments
Barrel Vertical, Muzzle Up:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Vertical, Muzzle Down:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Horizontal, Left side of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Horizontal, Right side of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	<u>Receiver insert broken</u>

Notes: (continue on back of sheet if necessary)

Tester's Initials JS/BL

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