

TLW 1216X

Project No. 241314

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**Firecontrol No. A-14 Firecontrol Type: Standard Date: 9-11-03Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type: SYNEngagement at Start (1) .0199 (2) .0201 (3) .0201 Average .02003Engagement at End (1) .0221 (2) .0220 (3) .0220 Average .02203Model No. M/710 Serial No. 71126540Trigger Pull at Start of Test (1) 4.151 (2) 4.220 (3) 4.075 (4) 4.093 (5) 4.042Average Trigger Pull at Start of Test: 4.116 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.033 (2) 4.189 (3) 4.093 (4) 4.109 (5) 4.172Average Trigger Pull at End of Test: 4.119 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SW/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:*ANSE/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

<u>Orientation</u>	<u>ISS Unlocked</u>	<u>Comments</u>
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"/>	<u>magazine catch Broken (replaced)</u>

Notes: (continue on back of sheet if necessary)

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TLW 1216Y  
Project No. 241314

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

### ROTATION TEST

Firecontrol No. A-14 Firecontrol Type: Standard Date: 9-12-03  
Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type Syn  
Engagement at Start (1) .0198 (2) .0201 (3) .0199 Average .01993  
Engagement at End (1) .0201 (2) .0201 (3) .0201 Average .0201  
Model No. M/716 Serial No. 71126540  
Trigger Pull at Start of Test (1) 4.265 (2) 3.974 (3) 3.902 (4) 3.987 (5) 3.952  
Average Trigger Pull at Start of Test: 4.016 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
Trigger Pull at End of Test (1) 3.995 (2) 3.948 (3) 3.921 (4) 3.836 (5) 3.887  
Average Trigger Pull at End of Test: 3.917 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/BL

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 <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	
Firearm Vertical, Drop so right side of Stock is Up:	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	

Notes: (continue on back of sheet if necessary)

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Project No. 241314

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**

Firecontrol No. A-14 Firecontrol Type: Standard Date: 9/12/03  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type: SVN Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0201 (2) .0201 (3) .0201 Average .0201  
 Engagement at End (1) .0206 (2) .0203 (3) .0203 Average .0204  
 Model No. M/710 Serial No. 71126540 Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.125 (2) 4.148 (3) 4.069 (4) 4.003 (5) 4.031  
 Average Trigger Pull at Start of Test: 4.675 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.334 (2) 4.472 (3) 4.250 (4) 4.361 (5) 4.283  
 Average Trigger Pull at End of Test: 4.328 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/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:

ANSE/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 theISS 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 <input type="checkbox"/>	magazine release not functioning
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"/>	

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