

TLW 16894

Project No. 241314

7MM

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

## JAR-OFF TEST

Firecontrol No. A-29 Firecontrol Type: Standard Date: 2/16/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type Syn 2/17/05  
 Engagement at Start (1) .0253 (2) .0250 (3) .0258 Average .02533  
 Engagement at End (1) .0264 (2) .0268 (3) .0266 Average .02660  
 Model No. 710 Serial No. 71203218  
 Trigger Pull at Start of Test (1) 4.538 (2) 4.606 (3) 4.573 (4) 4.470 (5) 4.582  
 Average Trigger Pull at Start of Test: 4.554 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 5.233 (2) 5.007 (3) 4.937 (4) 4.672 (5) 4.887  
 Average Trigger Pull at End of Test: 4.948 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/JJ

Additional Notes and Comments

83

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 83 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 _____	
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 _____	

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/JJ

ET21812

1368  
2351

TLW 16894  
Project No. 241314

7MAM

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

## ROTATION TEST

Firecontrol No. A-29 Firecontrol Type: \_\_\_\_\_ Date: 2/17/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_  
 Engagement at Start (1) .0251 (2) .0252 (3) .0257 Average .02530  
 Engagement at End (1) .0249 (2) .0249 (3) .0252 Average .02500  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.532 (2) 4.384 (3) 4.561 (4) 4.672 (5) 4.581  
 Average Trigger Pull at Start of Test: 4.546 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.965 (2) 5.122 (3) 5.158 (4) 4.889 (5) 4.851  
 Average Trigger Pull at End of Test: 4.997 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/JS 83

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

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/JS

ET21813

TLW 1689 AA

Project No. 241314

7MM

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

## DROP TEST

Firecontrol No. A-29 Firecontrol Type: \_\_\_\_\_ Date: 2/18/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start 2  
 Engagement at Start (1) .0249 (2) .0249 (3) .0252 Average .0250  
 Engagement at End (1) .0249 (2) .0244 (3) .0249 Average .02473  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.499 (2) 4.504 (3) 4.503 (4) 4.504 (5) 4.498  
 Average Trigger Pull at Start of Test: 4.502 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 3.984 (2) 4.280 (3) 4.326 (4) 4.370 (5) 4.580  
 Average Trigger Pull at End of Test: 4.308 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/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 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 <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"/>	Bent Scope / Broken Tang
Barrel Horizontal, Bottom of Stock Down:	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	

Notes: (continue on back of sheet if necessary)

Broken Tang Bottom up

TLW 1689AA

Project No. 241314

7MM

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

Firecontrol No. A-29 Firecontrol Type: \_\_\_\_\_ Date: 2/21/05  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0254 (2) .0258 (3) .0252 Average .02546  
 Engagement at End (1) .0243 (2) .0240 (3) .0241 Average .02413  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.539 (2) 4.689 (3) 4.488 (4) 4.645 (5) 4.480  
 Average Trigger Pull at Start of Test: 4.568 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 5.121 (2) 5.251 (3) 5.144 (4) 5.077 (5) 5.108  
 Average Trigger Pull at End of Test: 5.140 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_  
 Tester Initials: SW/JS

Additional Notes and Comments

Replaced Insert

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

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

Notes: (continue on back of sheet if necessary)

Broken Trigger (replaced insert)

ET21815