

TLW 1407N

Project No. 241314

**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**Firecontrol No. A32 Firecontrol Type: S&A Date: 02/23/04Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type S&AEngagement at Start (1) .0252 (2) .0253 (3) .0252 Average .02523Engagement at End (1) .0253 (2) .0252 (3) .0252 Average .02523Model No. 710 Serial No. 71147090Trigger Pull at Start of Test (1) 4.474 (2) 4.458 (3) 4.528 (4) 4.580 (5) 4.617Average Trigger Pull at Start of Test: 4.531 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.322 (2) 4.364 (3) 4.363 (4) 4.591 (5) 4.759Average Trigger Pull at End of Test: 4.520 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SW/SW

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 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.

Notes 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 _____	_____
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)

Passed (PKR)Tester's Initials SW/SW

TLW 14070

Project No. 241314

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

Firecontrol No. A32 Firecontrol Type: sta. Date: 2/24/04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type Syn  
 Engagement at Start (1) .0253 (2) .0253 (3) .0253 Average .02533  
 Engagement at End (1) .0245 (2) .0245 (3) .0244 Average .02446  
 Model No. 710 Serial No. 71147090  
 Trigger Pull at Start of Test (1) 4.528 (2) 4.446 (3) 4.628 (4) 4.567 (5) 4.481  
 Average Trigger Pull at Start of Test: 4.530 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.396 (2) 4.469 (3) 4.436 (4) 4.466 (5) 4.343  
 Average Trigger Pull at End of Test: 4.422 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW

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

ET21138

TLW 1407P

Project No. 241314

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

Firecontrol No. A32 Firecontrol Type: S&A Date: 2/24/04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type Syn Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0250 (2) .0251 (3) .0250 Average .02503  
 Engagement at End (1) .0252 (2) .0251 (3) .0251 Average .02513  
 Model No. 710 Serial No. 71147090 Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.529 (2) 4.554 (3) 4.603 (4) 4.517 (5) 4.505  
 Average Trigger Pull at Start of Test: 4.542 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.366 (2) 4.628 (3) 4.589 (4) 4.482 (5) 4.637  
 Average Trigger Pull at End of Test: 4.544 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW

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 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 _____	
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 _____	GRIP CAP OFF
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	BENT SCOPE
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	

Notes: (continue on back of sheet if necessary)

ET21139