

TLW 16894Project No. 2413147 MM**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****JAR-OFF TEST**Firecontrol No. A-28 Firecontrol Type: Standard Date: 2/16/05Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type Syn 2/17/05Engagement at Start (1) .0253 (2) .0252 (3) .0252 Average .02523Engagement at End (1) .0236 (2) .0248 (3) .0240 Average .02413Model No. 710 Serial No. 71203220Trigger Pull at Start of Test (1) 4.130 (2) 4.502 (3) 4.300 (4) 4.450 (5) 4.493Average Trigger Pull at Start of Test: 4.533 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.482 (2) 4.654 (3) 4.331 (4) 4.254 (5) 4.636Average Trigger Pull at End of Test: 4.474 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 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 _____	_____
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/JS

ET21820

TLW 1689 ZProject No. 241314

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**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****ROTATION TEST**Firecontrol No. A-28 Firecontrol Type: \_\_\_\_\_ Date: 2/17/05

Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_

Engagement at Start (1) .0252 (2) .0250 (3) .0248 Average .02500Engagement at End (1) .0248 (2) .0253 (3) .0251 Average .02506

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Trigger Pull at Start of Test (1) 4.529 (2) 4.655 (3) 4.533 (4) 4.407 (5) 4.482Average Trigger Pull at Start of Test: 4.525 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.436 (2) 4.536 (3) 4.532 (4) 4.555 (5) 4.492Average Trigger Pull at End of Test: 4.510 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

TLW 1689AAProject No. 241314

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**S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST****DROP TEST**Firecontrol No. A-28 Firecontrol Type: \_\_\_\_\_ Date: 2/18/05

Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_

Engagement at Start (1) .0248 (2) .0253 (3) .0251 Average .02506Engagement at End (1) .0264 (2) .0265 (3) .0264 Average .02643

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_

Trigger Pull at Start of Test (1) 4.436 (2) 4.536 (3) 4.532 (4) 4.555 (5) 4.493Average Trigger Pull at Start of Test: 4.510 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 5.231 (2) 5.142 (3) 4.999 (4) 5.369 (5) 5.310Average Trigger Pull at End of Test: 5.210 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SW/JJ

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 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 _____	<u>Bolt came Open</u>
Barrel Horizontal, Bottom of Stock Up:	Pass <input checked="" type="checkbox"/> Fail _____	<u>Bent Scope</u>
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	<u>Cracked Insert</u>

Notes: (continue on back of sheet if necessary)

Cracked Insert Bottom Down