

TLW 16894

Project No. 241314

7MM

S.A.A.M.I. JAR-OFF, DROP & 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

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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 _____	_____
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

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S.A.A.M.I. JAR-OFF, DROP & 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 .02530Engagement 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) 4.581Average 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) 4.851Average 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

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

Firecontrol No. A-29 Firecontrol Type: _____ Date: 2/18/05
 Dry Cycles/Rounds Completed: _____ Stock Type _____ Engagement at Start _____
 Engagement at Start (1) .0249 (2) .0249 (3) .0252 Average .02500
 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

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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 the

ISS 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)