

TLW 1530YProject No. 2412367MM Rem Mag S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST**JAR-OFF TEST**Firecontrol No. A-10 Firecontrol Type: Standard Date: 8-30-04Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type SynEngagement at Start (1) .0290 (2) .0290 (3) .0291 Average .02903Engagement at End (1) .0277 (2) .0279 (3) .0279 Average .02783Model No. M/710 Serial No. 71163353Trigger Pull at Start of Test (1) 4.857 (2) 4.709 (3) 4.766 (4) 4.891 (5) 4.901Average Trigger Pull at Start of Test: 4.825 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_Trigger Pull at End of Test (1) 4.385 (2) 4.415 (3) 4.354 (4) 4.385 (5) 4.384Average Trigger Pull at End of Test: 4.385 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_Tester Initials: SWJ/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.

**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 \_\_\_\_\_

Page 1 of 3  
Z101\DROPTEST\_REV5.DOC

ET22933

TLW 1530 Z

Project No. 241230

## 7MM Rem Mag S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

## ROTATION TEST

Firecontrol No. A-10 Firecontrol Type: Date: 8-31-04

Dry Cycles/Rounds Completed: Stock Type

Engagement at Start (1).0277 (2).0279 (3).0279 Average .02783

Engagement at End (1).0281 (2).0281 (3).0280 Average .02806

Model No. Serial No.

Trigger Pull at Start of Test (1)4.844 (2)5.013 (3)4.666 (4)4.736 (5)4.753

Average Trigger Pull at Start of Test: 4.802 Std. Dev. of Trigger Pull at Start of Test:

Trigger Pull at End of Test (1)4.845 (2)4.834 (3)5.013 (4)4.796 (5)4.834

Average Trigger Pull at End of Test: 4.864 Std. Dev. of Trigger Pull at End of Test: 83

Tester Initials: SW/JW

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)

Tester's Initials

ET22934

TLW 1530 AA

Project No. 241230

## 7MM Rem Mag S.A.A.M.I. JAR-OFF, DROP &amp; ROTATION TEST

**DROP TEST**

Firecontrol No. A-10 Firecontrol Type: \_\_\_\_\_ Date: 8-31-04  
 Dry Cycles/Rounds Completed: \_\_\_\_\_ Stock Type \_\_\_\_\_ Engagement at Start \_\_\_\_\_  
 Engagement at Start (1) .0281 (2) .0281 (3) .0280 Average .02806  
 Engagement at End (1) .0299 (2) .0300 (3) .0299 Average .02993  
 Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Engagement at End \_\_\_\_\_  
 Trigger Pull at Start of Test (1) 4.845 (2) 4.834 (3) 5.013 (4) 4.796 (5) 4.834  
 Average Trigger Pull at Start of Test: 4.864 Std. Dev. of Trigger Pull at Start of Test: \_\_\_\_\_  
 Trigger Pull at End of Test (1) 4.645 (2) 4.701 (3) 4.666 (4) 4.647 (5) 4.666  
 Average Trigger Pull at End of Test: 4.664 Std. Dev. of Trigger Pull at End of Test: \_\_\_\_\_

Tester Initials: SW/JW

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 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 _____	
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 _____	bent scope
Barrel Horizontal, Bottom of Stock Down:	Pass <input checked="" type="checkbox"/> Fail _____	grip came came off Broken Insert

Notes: (continue on back of sheet if necessary)

Tester's Initials SW/JW
 Page 3 of 3  
 Z101\DROPTEST\_REV5.DOC

ET22935