	TLW 1349
36,86	Project No. 24/3/4
	ROP & ROTATION TEST
AR-OFF TEST Tirecontrol No. A-3 Firecontrol Ty. Ory Cycles/Rounds Completed: Stock Ty. Engagement at Start (1) .0209 (2) .021 Engagement at End (1) .020 (2) .020 Model No. M/710 Serial No. 711474 Frigger Pull at Start of Test (1) 4.038 (2) 4.132 Average Trigger Pull at Start of Test: 41,186 Serial No. Trigger Pull at End of Test: 3.891 Serial No. Additional Notes	(3) .62/3 Average .62/ (3) .6/98 Average .0/93 /3 C (3) 4.238 (4) 4.336 (5) 4.184 ttd. Dev. of Trigger Pull at Start of Test: L (3) 3.83/ (4) 3.7/4 (5) 3.893 Std. Dev. of Trigger Pull at End of Test: Tester Initials: Ref. / J.S.
	32 35 36 35 374 72 72 27
	ures to be used for this Test Procedure refer to:
ANSITSAA	MI 22 99.5-1 9 90
SAAMI Specifications for Standard Jar-t	Off Tests
Factorm ready to fire, So Chamber, Magazine load After each drop, fire Prid 12 inch drop (safety in "Fire" p	whick 85 Durometer (Shore A) Rubber Matt afe in "Fire" position, Fresh Primed Case in ded to capacity with Dummy Rounds. med Case to verify firearm will still function. position) - one drop per orientation.
Note: for Firearms with the ISS system in	nstalled – The ISS will be set in the unlo cked
position for all six orie	ntations of the Jar-Off 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	Fail
Notes: (continue on back of sheet if necessary)	
	D e
	Tester's Initials

S.A.A.M.I. JAR-OFF, DROP & ROTATION TEST econtrol No. A Second Stock Type Synthic gagement at Start (1) .0202 (2) .0203 (3) .0201 Average .020 gagement at Start (1) .0207 (2) .021 (3) .0203 Average .020 gagement at End (1) .0207 (2) .021 (3) .0203 Average .020 gager Pull at Start of Test (1) 4.043 (2) 4347 (3) 3951 (4) 4.095 gager Pull at Start of Test: 4.080 Std. Dev. of Trigger Pull at Start of Test: 4.080 Std. Dev. of Trigger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.336 gager Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End Start of Test: 4.186 Std. Dev. of Trigge	Date: 12-8-03 D 2 1 (5) 3,942 art of Test: (5) 4./84 and of Test: 101 102 103 104 105 105 106 107 107 108 108 108 108 108 108
Firecontrol Type: Standard Standard Rotation Test: Rotation Test Rotation Test Recontrol No. A-3 Firecontrol Type: Standard Standard Rotation Test: Rotation Test Rest Firearm on the Butt end and allow Firearm to far Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fri	Date: 12-8-03 D 2 1 (5) 3,942 art of Test: (5) 4./84 and of Test: 101 102 103 104 105 105 106 107 107 108 108 108 108 108 108
Firecontrol Type: \$\frac{1}{2} \text{Nonds}\$ Cycles/Rounds Completed: Stock Type \$\frac{1}{2} \text{Nonds}\$ Gagement at Start (1) .0202 (2) ,0203 (3) .0201 Average .020 Gagement at End (1) .0209 (2) .021 (3) .02/3 Average .020 Gale No. \$\frac{1}{7} \text{10}\$ Serial No. \$\frac{7}{7} \text{14}\$ Gager Pull at Start of Test (1) \frac{1}{2} \text{063}\$ Gager Pull at Start of Test: \$\frac{1}{2} \text{060}\$ Std. Dev. of Trigger Pull at Stager Pull at End of Test: \$\frac{1}{2} \text{160}\$ Gager Pull at End of Test: \$\frac{1}{2} \text{160}\$ For additional details on the proper procedures to be used for this Test 1000 ANSI/SAAMI \$\frac{7}{2} \text{29} \text{5-1990}\$ SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to for Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	(5) 3,942 art of Test: (5) 4./84 nd of Test:
Firecontrol Type: \$\frac{1}{2} \text{Nonds}\$ Cycles/Rounds Completed: Stock Type \$\frac{1}{2} \text{Nonds}\$ Gagement at Start (1) .0202 (2) ,0203 (3) .0201 Average .020 Gagement at End (1) .0209 (2) .021 (3) .02/3 Average .020 Gale No. \$\frac{1}{7} \text{10}\$ Serial No. \$\frac{7}{7} \text{14}\$ Gager Pull at Start of Test (1) \frac{1}{2} \text{063}\$ Gager Pull at Start of Test: \$\frac{1}{2} \text{060}\$ Std. Dev. of Trigger Pull at Stager Pull at End of Test: \$\frac{1}{2} \text{160}\$ Gager Pull at End of Test: \$\frac{1}{2} \text{160}\$ For additional details on the proper procedures to be used for this Test 1000 ANSI/SAAMI \$\frac{7}{2} \text{29} \text{5-1990}\$ SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to for Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	(5) 3,942 art of Test: (5) 4./84 nd of Test:
Cycles/Rounds Completed: Stock Type Syn 1 1 1 2 2 2 2 3 3 3 0 2 0 1 Average 2 2 2 3 2 3 0 0 2 0 1 Average 2 2 2 3 2 3 0 0 2 0 1 Average 2 2 2 3 2 3 0 0 2 0 1 Average 2 2 2 3 2 3 0 0 2 0 1 Average 2 2 3 2 3 0 0 2 0 1 Average 2 2 3 2 3 0 0 2 0 1 Average 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3	(5) 3,942 art of Test: (5) 4./84 nd of Test:
gagement at Start (1) .0202 (2) .0203 (3) .0201 Average .020 gagement at End (1) .0209 (2) .021 (3) .0213 Average .020 gagement at End (1) .0209 (2) .021 (3) .0213 Average .020 gagement at End (1) .0209 (2) .021 (3) .0213 Average .020 gagement at Start of Test (1) .003 (2) .0213 Average .020 gagement at Start of Test (1) .003 (2) .0213 Average .020 gagement at Start of Test (1) .003 (2) .0213 Average .020 gagement at End of Test (1) .003 (2) .0213 Average .020 gagement at End of Test .0000 gagement at End .0213 (2) .0213 Average .020 gagement at End .0213 (2) .0213 Average .022 gagement at End .0213 (2) .0213	1 (5) 3,942 art of Test: (5) 4.184 and of Test:
gagement at End (1) .0209 (2) .021 (3) .0213 Average .02 odel No. M/710 Serial No. 7114 gger Pull at Start of Test (1) 4.063 (2) 4.347 (3) 3.951 (4) 4.095 erage Trigger Pull at Start of Test: 4.080 Std. Dev. of Trigger Pull at St gger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.336 erage Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at E Additional Notes and Comments ANSI/SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to for Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	1 (5) 3,942 art of Test: (5) 4.184 and of Test:
gger Pull at Start of Test (1) 4.063 (2) 4.347 (3) 3.951 (4) 4.095 erage Trigger Pull at Start of Test: 4.080 Std. Dev. of Trigger Pull at St gger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.336 erage Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at E Tester fair Additional Notes and Comments ANSI / SAAMI Z299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to for Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	(5) 3,942 art of Test: (5) 4.184 nd of Test: 83 ials:
gger Pull at Start of Test (1) 4.063 (2) 4.347 (3) 3.951 (4) 4.095 erage Trigger Pull at Start of Test: 4.080 Std. Dev. of Trigger Pull at St gger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.236 erage Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: Additional Notes and Comments For additional details on the proper procedures to be used for this Test In ANSI / SAAMI 7.299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to face Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	art of Test: (5) 4.184 nd of Test: B3 ials: R4/J5
erage Trigger Pull at Start of Test: 4000 Std. Dev. of Trigger Pull at St gger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.236 erage Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End Additional Notes and Comments For additional details on the proper procedures to be used for this Test In ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fail Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	art of Test: (5) 4.184 nd of Test: B3 ials: R4/J5
gger Pull at End of Test (1) 4.038 (2) 4.132 (3) 4.238 (4) 4.336 erage Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: 4.186 Std. Dev. of Trigger Pull at End of Test: Additional Notes and Comments For additional details on the proper procedures to be used for this Test In ANSI / SAAMI Z299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to face Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	(5) 4.18 % nd of Test: 93
For additional details on the proper procedures to be used for this Test I ANSI / SAAMI Z299.5-1990 SAAMI Specifications for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	nd of Test:
Additional Notes and Comments For additional details on the proper procedures to be used for this Test I ANSI / SAAMI Z299.5-1990 SAAMI Specifications for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	ials: RLASS.
For additional details on the proper procedures to be used for this Test I ANSI / SAAMI Z299.5-1990 SAAMI Specifications for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	
For additional details on the proper procedures to be used for this Test I ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	Procedure refer to:
ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	Procedure refer to:
ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	Procedure refer to:
ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	Procedure refer to:
ANSI / SAAMI 2299.5-1990 SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	Procedure refer to:
SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	
SAAMI Specifications for Standard Rotation Test: Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	
Rotation Test: Rest Firearm on the Butt end and allow Firearm to fa Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	
Drop - onto 1" thick 85 Durometer (Shore A) Rubber Firearm not ready to fire, Safe in "Safe" position, Fr	
Firearm not ready to fire, Safe in "Safe" position, Fr	
in Chamber, Magazine loaded to capacity with Dumi	
Afray anch dwan Fine Drived Cons to world, Granus	
After each drop Fire Primed Case to verify firearm w	
"Rotation Test" (safety in "Safe" position) - one drop per ori	entation.
Note: for Firearms with the ISS system installed – The Firearms wi	ll be set with the
ISS system in the unlocked position for both orientations of the Re	otation Test.
Orientation ISS Unlocked	Comments
Firearm Vertical, Drop so right side of Stock is Up: Pass Fail	
Notes: (continue on back of sheet if necessary)	
Tester's Ini	tials BL, JS
	12

ET33809

	Project No. 241314
S.A.A.M.I. JAR-OFF, DROP	% ROTATION TEST
ROP TEST	
recontrol No. A-3 Firecontrol Type:	Stundard Date: 12-9-03
y Cycles/Rounds Completed: Stock Type_	S YN Engagement at Start
gagement at Start (1) $\sqrt{2}II$ (2) $\sqrt{2}06$ (3) $\sqrt{2}II$	13 Average .021
gagement at End (1) <u>0231</u> (2) <u>0232</u> (3) _02	245 Average <u>.0238</u>
gagement at End (1) .023 / (2) .023 / (3) .02 odel No	Engagement at End
lgger Pull at Start of Test (1) 3. 489 (2) 4.678 (3)	4.047 (4) 4.127 (5) 3.192
verage Trigger Pull at Start of Test: 4.006 Std. D	
igger Pull at End of Test (1) 4.144 (2) 4.484 (3)	
verage Trigger Pull at End of Test: 4,258 Std. D	Tester Initials:
Additional Notes and	
Trigger Pull set At 4.459	
- (ABB)	
For additional details on the proper procedures	to be used for this Test Procedure refer to:
ANSI / SAAMI Z	58,000 mg (1993)
	100 mm
SAAMI Specifications for:	Standard Drop Test:
Drop Tests 48-yech drop onto thick 8	85 Durometer (Shore A) Rubber Matt
50. (E) .509/E' 22.7 (E) (E)	fe in "Safe" position, Fresh Primed Case
	· -
	d to capacity with Dummy Rounds.
	d to capacity with Dummy Rounds. Case to verify firearm will still function.
After each drop Fire Primed (Case to verify firearm will still function.
After each drop Fire Primed (48 inch drop (safety in "Safe" position	Case to verify firearm will still function. on) - one drop per orientation.
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a Orientation ISS Unlocked	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a system in the unlocked	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a Orientation ISS Unlocked	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a system in the unlocked	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a Orientation ISS Unlocked Barrel Vertical, Muzzle Up: Pass Fail Barrel Vertical, Muzzle Down: Pass Fail	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for an orientation Orientation Barrel Vertical, Muzzle Up: Barrel Vertical, Muzzle Down: Pass Fail Barrel Horizontal, Left side of Stock Up: Pass Fail	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for an orientation Orientation ISS Unlocked Barrel Vertical, Muzzle Up: Barrel Vertical, Muzzle Down: Pass Fail Barrel Horizontal, Left side of Stock Up: Barrel Horizontal, Right side of Stock Up: Pass Fail Barrel Horizontal, Bottom of Stock Up: Pass Fail	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for a Orientation ISS Unlocked 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	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for an	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for an	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the all six orientations of the Drop Test
After each drop Fire Primed 6 48 inch drop (safety in "Safe" position Note: for Firearms with the ISS system install ISS system in the unlocked position for an	Case to verify firearm will still function. on) - one drop per orientation. led - The Firearms will be set with the ill six orientations of the Drop Test Comments Bul + Came open

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