

NATIONAL INSTITUTE OF JUSTICE HARD ARMOR COMPLIANCE TEST REPORT

NVLAP Lab Code: 200826-0

Test Laboratory Name: Oregon Ballistic Laboratories
Report Identification Number: OBL-CTR-RMA-1155
Issue / Revision Number: Initial

Penetration and BFS Summary Data

Test ID: MC02864
Manufacturer: RMA Armament, Inc.
Ammunition: .30 Caliber 166/M2 AP

Report Date: 05/22/17

Test Velocity:	877.8	±9.1 m/s
	(2880)	±30 ft/s

Sample Information						Shot Number	Avg. Vel. (ft/s)	Perf (Y=1/N=0)	BFS (mm)	Note
Sample Number	Soft Armor Panel		Hard Armor Plate		Gross Weight (lbs)					
	Lot Number	Serial Number	Lot Number	Serial Number						
1			231708	1	8.38	1	2850	0	30.09	
2			231708	2	8.39	2	2861	0	32.38	
3			231708	3	8.36	3	2857	0	31.79	
4			231708	4	8.35	4	2862	0	27.2	
5			231708	5	8.37	5	2903	0	19.76	
6			231708	6	8.38	6	2879	0	28.87	
7			231708	7	8.37	7	2907	0	33.35	
8			231708	8	8.35	8	2881	0	31.72	
9			231708	9	8.38	9	2899	0	37.26	
10			231708	10	8.35	10	2916	0	33.38	
11			231708	11	8.43	11	2907	0	27.43	
12			231708	12	8.38	12	2894	0	28.5	
13			231708	13	8.38	13	2870	0	29.41	
14			231708	14	8.36	14	2888	0	30.17	
15			231708	15	8.31	15	2873	0	32.35	
16			231708	16	8.36	16	2899	0	27.28	
17			231708	17	8.41	17	2886	0	32.49	
18			231708	18	8.39	18	2869	0	36.97	
19			231708	19	8.35	19	2869	0	35.61	
20			231708	37	8.38	20	2869	0	34.89	
21			231708	21	8.36	21	2899	0	30.86	
22			231708	22	8.28	22	2872	0	29.16	
23			231708	23	8.36	23	2874	0	28.45	
24			231708	24	8.34	24	2869	0	30.8	
25			231708	20	8.36	25				Insufficient Velocity <<Error
26						26				
27						27				
28						28				
29						29				
30						30				

Armor Information	
Plate Subjected to hard armor conditioning	
Soft armor Panel Size (If used)	Plate Size
C-2	
NIJ Armor Type:	4
Shots Per Plate (Type IV only):	

Summary:	Perforations: <u>0</u> (Pass)	BFS Statistics: Count: <u>24</u>
	Maximum BFS: <u>37.26 mm</u>	
	Pass - No BFS greater than 44 mm	

Overall P-BFS Summary

Perforations: This requirement is for all P-BFS tested samples
0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.

Backface Signature: This requirement is for all hard armor plate models
Maximum BFS: 37.26 mm
This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.