

# National Technical Systems

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## HARD ARMOR STAND-ALONE PLATE:

### P-BFS TEST

Date Received: April 12, 2023  
Via: FedEx  
Returned Via: FedEx

Record No.: EXT23003-4  
Test Date: April 14, 2023  
Customer: Extant Armor Co.

#### Test Conditions

Temperature: 69.1 °F  
Humidity: 46 %  
  
Clay Block No.: 7  
Clay Block Size: 24" x 24" x 5.5"  
Clay Temperature: 98.3 °F  
Drop Average: 19.42 mm

#### Range 3

Muzzle to Screen 1: 39.30 ft.  
Screen 1 - 4: 5.00 ft.  
Screen 4 - Target: 5.70 ft.  
Midpoint to Target: 8.20 ft.  
Barrel Length: 26 in.

Test Standard: IAW Modified / Abbreviated NIJ 0101.06, July 2008  
Threat Level: III+

Conditioning: No  
Drop Test: No  
Submersion: No

Sample Description	Shot / Projectile Description				Chronograph		Test Results	
	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation BFS (mm)
Manufacturer: Extant Armor Co.	1 2 3 4	Top Left	0°	7.62mm NATO	147 / FMJ (M80)	181.7	2752	39.10
Model No.: AUXILIA III+		Bottom Right	0°			178.8	2796	37.60
Serial No.: N/A		Bottom Left	0°	5.56x45mm	62 / M855	161.4	3098	7.58
Size (in.): 10 x 12		Top Right	0°			159.7	3131	13.40
Weight (lbs.): 5.974								

*This test was performed in accordance with the specification requirements listed in addition to any customer testing modifications or requests. The test results properly reflect the ballistic performance of the listed sample. This test report shall not be reproduced except in full without written approval of National Technical Systems.*

#### Notes:

•Stand-Alone plate tested non-planar (with clay mound / build-up).

#### Ammunition Description:

7.62mm NATO, 147 gr. (9.6g) FMJ (U.S. Military M80)  
Velocity: 2780 +/- 30 ft/s

5.56x45mm, 62 gr. FMJ (M855)  
Velocity: 3115 +/- 30 ft/s

#### Sample Description:

•Customer Proprietary.

Project Manager: Montgomery  
Range Tech(s): Nguyen