

National Technical Systems

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HARD ARMOR STAND-ALONE PLATE:

P-BFS TEST

Date Received: April 21, 2023
Via: FedEx
Returned Via: FedEx

Record No.: EXT23004-3
Test Date: April 24, 2023
Customer: Extant Armor Co.

Test Conditions

Temperature: 71.4 °F
Humidity: 38 %

Clay Block No.: 7
Clay Block Size: 24" x 24" x 5.5"
Clay Temperature: 98.6 °F
Drop Average: 19.43 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: 28 in.

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

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	Top Center	0°	.30 Cal. (.30-06)	166 / M2AP	172.3	2902	35.62
Model No.: Cataphract IV						2	Bottom Left	
Serial No.: N/A								
Size (in.): 10 x 12								
Weight (lbs.): 11.024								

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 planar (with no clay mound / build-up).

Ammunition Description:

.30 Cal. (.30-06) 166 gr. (10.8g) AP (U.S Military M2AP)
Velocity: 2880 +/- 30 ft/s

Sample Description:

•Customer Proprietary.

Project Manager: Zerger
Range Tech(s): Wilson