

BALLISTIC RESISTANCE TEST

NTS-Belcamp
4603B Compass Point Road
Belcamp, MD 21017

Client: Hardhead Veterans
Project No.: PH00008992
Test Date: 11/14/2023
Page 1 of 1

Test Panel Description: Ballistic helmet with pads and retention system

Manufacturer: Hard Head Veterans LLC

Sample No.: (.44 Mag SWCGC, V0) 01-132-25JAN21

Size: Large
Avg. Thickness: 0.326 in
Thicknesses: 0.324 in, 0.329 in,
0.328 in, 0.322 in

Weight: 3.042 lbs
Plies/Laminates: N/A

Date Received: 10/27/2023
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: NIJ-STD-0106.01
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: N/A
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 9.500
Primary Vel. Location (ft): 8.000
Range to Target (ft): 16.400
Target to Witness (in): 3.000

Range No.: Range 4
Temp: 67.7 °F
BP: 29.9 inHg
RH: 41 %
Barrel/Gun: WC067270
Gunner: Kyler Reisler
Recorder: Bernard Carr

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .44 Mag., 240-grain SWCGC	NA	Remington	3 N 38

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:11 AM; Block No. WC074958; Temp: 97.1 °F, 97.5 °F; Drop Depths: 23.1 mm, 23.3 mm, 24 mm
(1) NIJ-STD-0106.01 (Modified)
(2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	14.5	240.8	2074	1446	2074	1446	1446	None	35.2	0	(a)
2	1	14.3	240.2	2137	1404	2137	1404	1404	None	32	0	(b)
3	1	14.3	240.6	2167	1384	2169	1383	1384	None	31.1	0	(c,e)
4	1	14.3	241.2	2189	1370	2203	1362	1366	None	17.8	0	(d)

Remarks:

Required Velocity: 1350-1450 ft/s.
Projectile yaw check: 0° yaw on all impacts.
Shots 1-4: HB2-3; Headform Temp: 99.5 °F

Footnotes:

- (a) Front
- (b) Back
- (c) Right
- (d) Left
- (e) Shot impacted 25 mm from intended shot location