

Element U.S. Space & Defense Test Report for Ballistic Resistance Testing

Project No.: PH00015985 **Tested:** 8 July 2025 **P.O. No.:** Signed Quote OH26473

Prepared For

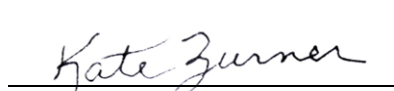
Contacta Systems Ltd. | 4025 Tampa Rd, Ste 1107A | Oldsmar, FL 34677 USA


Attn: Alyssa Vasquez

Prepared By

Element U.S. Space & Defense | 4603B Compass Point Road | Belcamp, MD 21017 | (410) 297-8154 |

www.elementdefense.com



Kate Zurner
Technical Writer

Craig Thomas
Project Manager

Further dissemination only as directed by Contacta Systems Ltd., July 2025.

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Revision History

Rev.	Description	Issue Date
0	Initial Release	15 July 2025

BALLISTIC RESISTANCE TEST

Element U.S. Space & Defense

4603B Compass Point Road
Belcamp, MD 21017

Client: Contacta Systems Ltd.

Project No.: PH00015985-1

Test Date: 07/08/2025

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Test Panel Description: Transparent Armor with Speak through system

Manufacturer: Contacta Systems Ltd.

Sample No.: (.44 Mag, V0) .44 Mag

Size: 12.00 x 12.00 in
Avg. Thickness: 1.228 in
Thicknesses: 1.249 in, 1.252 in,
1.204 in, 1.206 in

Weight: 17.740 lbs
Plies/Laminates: N/A

Date Received: 07/03/2025
Received Via: UPS Ground
Returned Via: UPS Ground

Setup

Shot Spacing: 3 shots on 100 mm
triangle
Witness Panel: .125 in Cardboard
Backing Material: N/A
Condition: Ambient

Primary Vel. Screens (ft): 5.000, 5.333,
9.666, 10.000
Primary Vel. Location (ft): 7.500
Range to Target (ft): 15.000
Target to Witness (in): 18.000

Range No.: Range 5
Temp: 69.3 °F
BP: 30.4 inHg
RH: 48 %
Barrel/Gun: CT-4057
Gunner: Justin Long
Recorder: Joseph Gerdes

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) .44 Mag., 240-grain SWCGC	NA	Remington	3 N 37

Applicable Standards or Procedures

- (1) UL 752 Level 3
- (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	Obliq. (°)	Footnotes
1	1	14.0	240.0	3509.0	1425	3031.0	1430	1427	None	0	
2	1	14.0	240.0	3519.0	1421	3041.0	1425	1423	None	0	
3	1	14.0	240.0	3502.0	1428	3028.0	1431	1429	None	0	

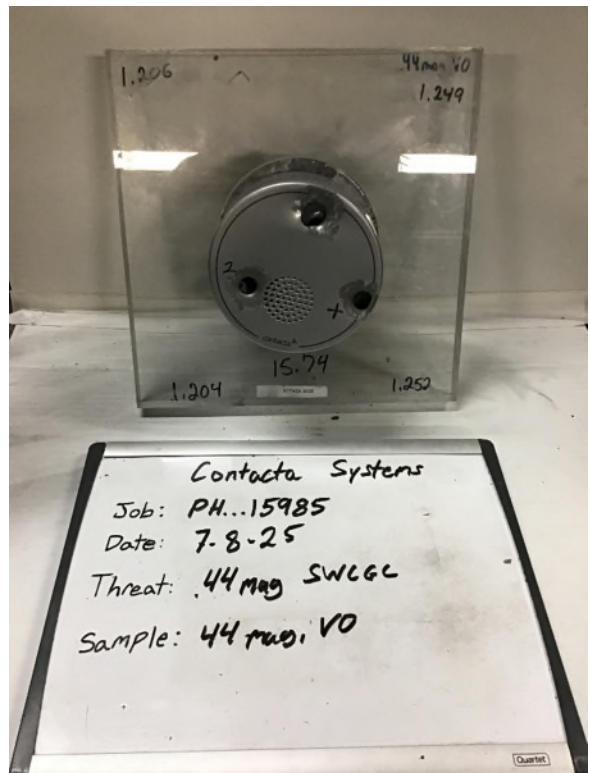
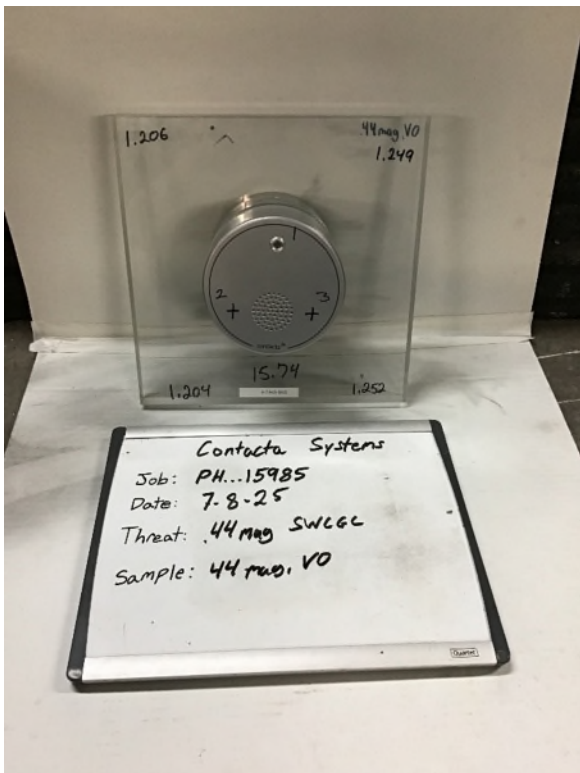
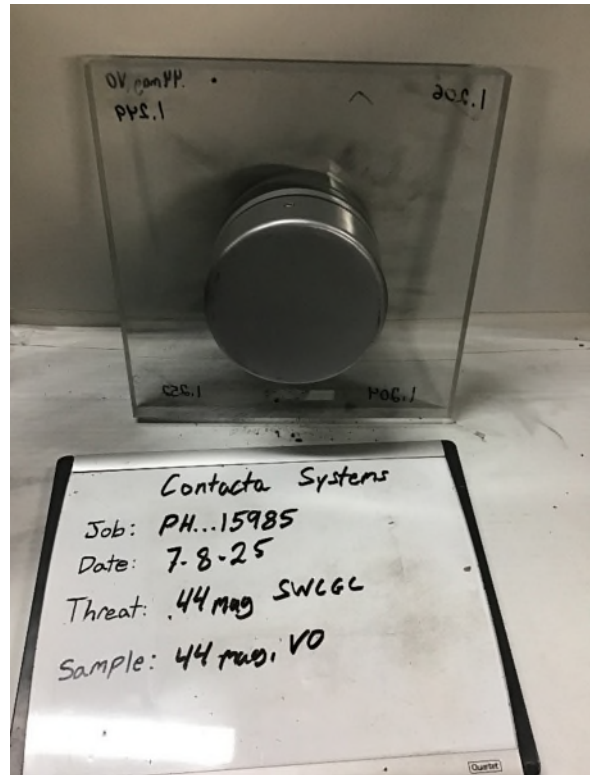
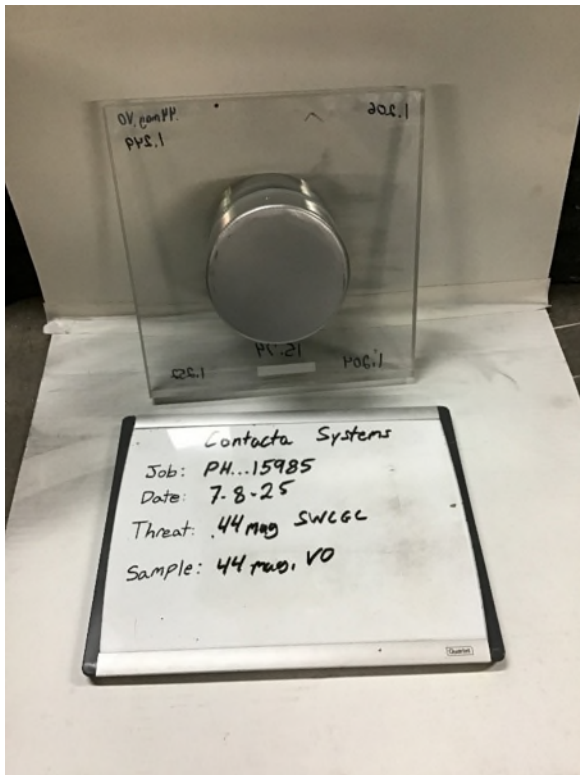
Remarks:

Required velocity: 1400 - 1485 ft/s.
Projectile Yaw Check: 0° on all impacts.

Footnotes:

N/A

ATTACHMENT A PHOTOGRAPHS



ATTACHMENT B CALIBRATION DATA

Work Center #	Serial Number	Make	Model	Description	Assigned To	Calibration Date	Calibration Due Date
WC060267	101	YIS/Cowden Group, I	Chrono USB	Chronograph 1	Range 5	6/11/2025	6/11/2026
WC067022	112	YIS/Cowden Group, I	Chrono USB	Chronograph 2	Range 5	6/11/2025	6/11/2026
WC067323	A18117177	RCBS	1500	Powder Scale	Range 5	1/16/2025	1/16/2026
WC067383	192291247	Control Company	4040	Therm./Clock/Humidity Monitor	Range 5	10/24/2024	10/24/2025
WC075006	WC075006	Starrett	530-100	100 ft Tape Measure	Range 5	3/21/2025	3/31/2026
EL00004014	EL00004014	Craftsman	CMHT37565	25 ft Tape Measure	Range 5	4/3/2024	4/3/2026
EL00004013	EL00004013	Craftsman	CMHT37565	25 ft Tape Measure	Range 5	10/12/2023	10/12/2025
EL00004217	24068665	Trace Labs	4052	Thermometer	Range 5	9/11/2024	9/11/2026
WC027021	840	SPI	S501-201	Angle Block	Range 5	10/25/2024	10/25/2025
WC074985	19/280025	Starrett	798A-6/150	Digital Caliper	Range 5	8/1/2024	8/1/2025
EL0004129	AE822221243	Adam	GFK 330a	Floor scale	Range 5	4/15/2024	4/15/2026
EL00004093	23/240059	Starrett	3753A-6/150	Bridge Depth Gage Tool BDG-03	Range 5	12/30/2024	12/30/2025
WC079401	WC079401	Starrett	3753A-6/150	DG Tool 04	Range 5	12/30/2024	12/30/2025

END OF REPORT