



## Confidence Test

Tested by AEGIS engineering on behalf of NEXUS body armour in accordance with NIJ Level IV

Job Number: HA0072

Date/Time Fired: 05/11/2013

Report For: Internal  
Proj Type: 7.62 x 51mm M2 AP

Test Type: Ballistic  
Threat Level: NIJ IV

### HA0072 Stand Alone - 7.62 x 51mm M2 AP

Shot No	Velocity (m/s)	Angle	Trauma (mm)	Comments
1	872	0°	30	P32-M100 3.66kg

### HA0072 Stand Alone - 7.62 x 51mm M2 AP

Shot No	Velocity (m/s)	Angle	Trauma (mm)	Comments
1	870	0°	34	P08-589 3.04kg

### HA0072 Stand Alone - 7.62 x 51mm M2 AP

Shot No	Velocity (m/s)	Angle	Trauma (mm)	Comments
1	874	0°	33	P32-R90 3.42kg

### HA0072 Stand Alone - 7.62 x 51mm M2 AP

Shot No	Velocity (m/s)	Angle	Trauma (mm)	Comments
1	873	0°	36	P32-R90 3.14kg

### Summary Table

R32-R90 (as per last 2 tested) – 1 with foam, 1 without

## NIJ Standard 0101.04, USA

Class	Test-Bullet	Bullet-Producer	Bullet-Weight [g] [gr.]	Bullet-Velocity [m/s] [ft/s]	Max. BFD [m]	Max. BFD [mm]	Angle Test [° Nato]	Wet test yes/no	Padding down yes/no	No. of shots per panel	No. of tests
I	.22 caliber LR LRN	not spec.	2.6 40	329 + 9 1080 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
	.380 ACP FMJ RN	not spec.	6.2 95	322 + 9 1055 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
II-A	9 mm FMJ RN	not spec.	8.0 124	341 + 9 1120 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
	.40 S&W FMJ RN	not spec.	11.7 180	322 + 9 430 + 10	5	44	0° 4x 30° 2x	yes only	yes	6	4
II	9 mm FMJ RN	not spec.	8.0 124	367 + 9 1205 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
	.357 Mag. JSP	not spec.	10.2 158	436 + 9 1430 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
III-A	9 mm FMJ RN	not spec.	8.0 124	436 + 9 1430 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
	.44 Mag. JHP	not spec.	15.6 240	436 + 9 1430 + 30	5	44	0° 4x 30° 2x	yes only	yes	6	4
III	7.62 mm Nato FMJ	not spec.	9.6 148	848 + 9 2780 + 30	15	44	0°	yes only	yes	6	2
IV	.30 caliber M2 AP	not spec.	10.8 166	878 + 9 2880 + 30	15	44	0°	yes only		1	2

**Particularities:**

- Backing material: Roma No. 1 19mm +- 2mm (1.03 kg sphere from 2m height)
- Wet test: 3 min spraying from each side except the V50 panels
- Temperature test: No
- Measurement back face deformation: Shot No. 1 + shot No. 2 or 3 (higher velocity fair hit)
- V50 requirements: level I, II-A, II and III-A additional 2 panels V50 using 9 mm
- Min distance from the edges: 76 mm