

# United States Of America

## NIJ Standard - 0101.04



Test Variables					Performance Requirements						
Armor Type	Test Round	Test Bullet	Bullet Weight	Reference Velocity (30 ft/s)	Hits Per Armor Part at 0° Angle of Incidence	BFS Depth Maximum	Hits Per Armor Part at 30° Angle of Incidence	Shots Per Panel	Shots Per Sample	Shots Per Threat	Total Shots Req'd
I	1	.22 caliber LR LRN	2.6 g 40 gr.	329 m/s (1080 ft/s)	4	44 mm (1.73 in)	2	6	12	24	48
	2	.380 ACP FMJ RN	6.2 g 95 gr.	322 m/s (1055 ft/s)	4	44 mm (1.73 in)	2	6	12	24	
IIA	1	9 mm FMJ RN	8.0 g 124 gr.	341 m/s (1120 ft/s)	4	44 mm (1.73 in)	2	6	12	24	48
	2	40 S&W FMJ	11.7 g 180 gr.	322 m/s (1055 ft/s)	4	44 mm (1.73 in)	2	6	12	24	
II	1	9 mm FMJ RN	8.0 g 124 gr.	367 m/s (1205 ft/s)	4	44 mm (1.73 in)	2	6	12	24	48
	2	357 Mag JSP	10.2 g 158 gr.	436 m/s (1430 ft/s)	4	44 mm (1.73 in)	2	6	12	24	
IIIA	1	9 mm FMJ RN	8.2 g 124 gr.	436 m/s (1430 ft/s)	4	44 mm (1.73 in)	2	6	12	24	48
	2	44 Mag SJHP	15.6g 240 gr.	436 m/s (1430 ft/s)	4	44 mm (1.73 in)	2	6	12	24	
III	1	7.62 mm NATO FMJ	9.6 g 148 gr.	847 m/s (2780 ft/s)	6	44 mm (1.73 in)	0	6	12	12	12
IV	1	.30 caliber M2 AP	10.8 g 166 gr.	878 m/s (2880 ft/s)	1	44 mm (1.73 in)	0	1	2	2	2

- Armour panels are tested on a backing of Roma Plastilina No 1, conditioned according to the standard.
- Armour panels are smoothed and repositioned often each shot. Patting down is permitted ( allowed )
- Shots must be placed a minimum of 75 mm from the edge of the ballistic panel and not closer to a prior hit than 51mm
- Wet test: 3 min spraying from each side except the V50 panels. • Firing distance: 5m for level I, IIA, II, IIIA • Firing distance: 15m for level III, IV.