

# NIJ Standard 0101.04, USA

Class	Test- Bullet	Bullet-Producer	Bullet-Weight [g]	Bullet-Velocity $\pm 9.14$ m/s	Distance [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	329	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
	.380 ACP FMJ RN	Not spec.	6,2	322	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
II-A	9mm FMJ RN	Not spec.	8	341	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
	.40 S&W FMJ RN	Not spec.	11,7	322	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
II	9mm FMJ RN	Not spec.	8,0	367	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
	.357 Mag. JSP	Not spec.	10,2	436	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
III-A	9mm FMJ RN	Not spec.	8,0	436	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
	.44 Mag. JHP	Not spec.	1,6	436	5	44	0° 4x 30° 2x	yes <b>only</b>	Yes	6	4
III	7,62mm Nato FMJ	Not spec.	9,6	847	15	44	0°	yes <b>only</b>		6	2
IV	.30 caliber M2 AP	Not spec.	10,8	878	15	44	0°	yes <b>only</b>		1	2

## Particularities:

- Backing material:
- Wet test:
- Temperature test:
- Measurement back face deformation:
- V50 requirements:
- Min distance from the edges:

Roma No. 1. 19mm  $\pm$  2mm (1,03kg sphere from 2m height).  
 3 min spraying from each side expect the V50 panels.  
 No  
 Shot No. 1 + shot No. 2 or 3 (higher velocity fair hit).  
 Level I, II-A, II and III-A additional 2 panels V50 using 9mm  
 76mm

## NIJ Standard 0101.06, USA

Class	Test- Bullet	Bullet-Producer	Bullet-Weight [g]	Bullet-Velocity [m/s]		Distance [m]	Max. BFS unaged [mm]	Angle Test [°Nato]	Padding down yes/no	No. of shots per panel	No. of tests and conditioning	
				New	Conditioned						new	Conditioned
II-A	9mm FMJ RN	Remington	8,0	373 +/- 9	355 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
	.40 S&W FMJ RN	Remington	11,7	352 +/- 9	325 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
II	9mm FMJ RN	Remington	8,0	398 +/- 9	379 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
	.357 Mag. JSP	Remington	10,2	436 +/- 9	408 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
III-A	9mm FMJ RN	Speer	8,1	448 +/- 9	430 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
	.44 Mag. JHP	Speer	15,6	436 +/- 9	408 +/- 9	5	44	0° 4x 30/45° each 1x	yes	6	8 wet	4 dry
III	7,62mm Nato FMJ	not spec.	9,6		847 +/- 9	15	44	0°	yes	6		4 wet (24 shots)
IV	30 caliber M2 AP	not spec.	10,8		878 +/- 9	15	44	0°	yes	1 - 6		4-24 wet (24 shots)

### Particularities:

- Backing material: Roma No. 1, 19mm ± 2mm, all indiv. Values > 16 < 22mm (1,03 kg sphere from 2m height). 30 min. vertical immersion, 10 min dripping of the unaged panels.
- Wet test: No
- Temperature test: Shots No. 1,2 and 3 < 44mm, if not estimates probability of BFD >44mm has to be <20%, also measured for aged panels, but no fail criteria if >44mm.
- Measurement BFS: Lighter bullet min. not greater than 51mm (2"), heavier bullet min. not greater than 76mm (3"). 51mm
- Min distance from the edges:
- Min distance from previous shots:

### Particularities level II-A, II and III-A:

- Panel sizes: 5 diff. sizes specified. Manufacturer has to choose range of sizes. Smallest and largest size have to be tested. 50/50% for perforation and BFS test.
- Conditioning: Tumbling for 10 d at 65°C and 80% RLH with 5±1 rpm (72.000 ± 1500 rotations).
- V50 requirements: New: 120 shots (10 panels) each caliber largest size. No penetr. Below max. ref. speed, (V0.5 new ≥ Vref. new) Conditioned: 24 shots (2 panels) for each caliber largest size. No penetration below max. ref. speed. Shots 4, 5 and 6 have to be within a 100mm (3,94") circle.
- Shoot pattern:

### Particularities level III and IV:

- Conditioning: 10d at 65°C and 80% RLH + 24h between -15°C and +90°C + 2 drops.
- V50 requirements: Level III Conditioned: 24 shots (4 plates). No penetration below max. ref. speed. Level IV Conditioned: 12 shots (2-12 plates). No penetration below max. ref. speed.