



**PLATES – BALLISTIC TESTS**  
**TACTICSHOP LLC PROPRIETARY INFORMATION**

<b>BALLISTIC RESISTANCE TEST</b>												
<b>Element U.S. Space &amp; Defense</b> 4603B Compass Point Road Belcamp, MD 21017								Client: Tacticshop LLC Project No.: PH00013582-2 Test Date: 12/17/2024 Page 1 of 1				
<b>Test Panel</b>		Description: Torso plate tested stand alone.										
Manufacturer: Tacticshop LLC						Sample No.: 930009						
Size: 10.00 x 11.75 in Avg. Thickness: N/A Thicknesses: N/A				Weight: 5.420 lbs Plies/Laminates: N/A				Date Received: 12/09/2024 Received Via: USPS Returned Via: USPS				
<b>Setup</b>												
Shot Spacing: NIJ-STD-0101.06 Level III Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Ambient				Primary Vel. Screens (ft): 37.000, 37.333, 46.666, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): N/A				Range No.: Range 1 Temp: 68.2 °F BP: 30.2 inHg RH: 46 % Barrel/Gun: WC020650 Gunner: James Jordan Recorder: Isaiah Lookingbill				
<b>Ammunition</b>												
Projectile				Lot No.		Manufacturer			Powder			
(1) 5.56 x 45-mm, 55-grain M193				NA		Military			N 110			
<b>Applicable Standards or Procedures</b>												
Clay Drop 1 - Drop Time: 2:10 PM; Block No. WC074192; Temp: 92.6 °F; Drop Depths: 17.1 mm, 19.9 mm, 16.7 mm, 18.9 mm, 19.3 mm (1) NIJ-STD-0101.06 Level III (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	19.4	55.0	3056	3272	2848	3277	3275	None	17.4	0	
2	1	19.4	55.4	3078	3249	2865	3258	3253	None	34.7	0	
3	1	19.4	55.4	3086	3240	2874	3247	3244	None	N/A	0	
4	1	19.4	55.0	3090	3236	2878	3243	3240	None	N/A	0	
5	1	19.4	55.4	3069	3258	2861	3262	3260	None	N/A	0	
6	1	19.4	55.1	3069	3258	2861	3262	3260	None	N/A	0	
<b>Remarks:</b> Required Velocity: 3220-3280 ft/s. Projectile Yaw Check: 0° Yaw on All Impacts.												
<b>Footnotes:</b> N/A												



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<b>Element U.S. Space &amp; Defense</b> 4603B Compass Point Road Belcamp, MD 21017								Client: Tacticshop LLC Project No.: PH00013582-3 Test Date: 12/17/2024 Page 1 of 1				
<b>Test Panel</b>		Description: Torso plate tested stand alone.										
Manufacturer: Tacticshop LLC						Sample No.: 930010						
Size: 10.00 x 11.75 in Avg. Thickness: N/A Thicknesses: N/A				Weight: 5.400 lbs Plies/Laminates: N/A				Date Received: 12/09/2024 Received Via: USPS Returned Via: USPS				
<b>Setup</b>												
Shot Spacing: NIJ-STD-0101.06 Level III Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Ambient				Primary Vel. Screens (ft): 37.000, 37.333, 46.666, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): N/A				Range No.: Range 1 Temp: 68.2 °F BP: 30.2 inHg RH: 43 % Barrel/Gun: WC020650 Gunner: James Jordan Recorder: Isaiah Lookingbill				
<b>Ammunition</b>												
Projectile				Lot No.			Manufacturer			Powder		
(1) 5.56 x 45-mm, 62-grain M855				NA			Military			N 110		
<b>Applicable Standards or Procedures</b>												
Clay Drop 1 - Drop Time: 2:35 PM; Block No. WC074192; Temp: 92.3 °F; Drop Depths: 17.4 mm, 20.3 mm, 17.8 mm, 18.2 mm, 19.5 mm (1) NIJ-STD-0101.06 Level III (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	19.4	62.2	3203	3122	2986	3126	3124	None	18.3	0	
2	1	19.4	62.4	3199	3126	2982	3130	3128	None	23.9	0	
3	1	19.4	62.4	3195	3130	2978	3134	3132	None	N/A	0	
4	1	19.4	62.4	3212	3113	2995	3116	3115	None	N/A	0	
5	1	19.4	62.0	3238	3088	3021	3089	3089	None	N/A	0	
6	1	19.4	62.1	3190	3135	2973	3139	3137	None	N/A	0	
<b>Remarks:</b> Required Velocity: 3085-3145 ft/s. Projectile Yaw Check: 0° Yaw on All Impacts.												
<b>Footnotes:</b> N/A												



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<b>BALLISTIC RESISTANCE TEST</b>												
<b>Element U.S. Space &amp; Defense</b> 4603B Compass Point Road Belcamp, MD 21017								Client: Tacticshop LLC Project No.: PH00013582-4 Test Date: 12/17/2024 Page 1 of 1				
<b>Test Panel</b>		Description: Torso plate tested stand alone.										
Manufacturer: Tacticshop LLC						Sample No.: 930008						
Size: 10.00 x 11.75 in Avg. Thickness: N/A Thicknesses: N/A				Weight: 5.650 lbs Plies/Laminates: N/A				Date Received: 12/09/2024 Received Via: USPS Returned Via: USPS				
Setup												
Shot Spacing: NIJ-STD-0101.06 Level III Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Ambient				Primary Vel. Screens (ft): 37.000, 37.333, 46.666, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): N/A				Range No.: Range 1 Temp: 68.6 °F BP: 30.2 inHg RH: 47 % Barrel/Gun: CT-4022 Gunner: James Jordan Recorder: Isaiah Lookingbill				
Ammunition												
Projectile			Lot No.			Manufacturer			Powder			
(1) 7.62 x 39-mm, 123-grain MSC			162-66-31			Chinese			N 110			
Applicable Standards or Procedures												
Clay Drop 1 - Drop Time: 3:05 PM; Block No. WC074193; Temp: 95.5 °F; Drop Depths: 19.6 mm, 19.1 mm, 20.4 mm, 19.4 mm, 16.8 mm (1) NIJ-STD-0101.06 Level III (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	20.3	122.6	4141	2415	3863	2416	2415	None	24.3	0	
2	1	20.3	122.4	4120	2427	3842	2429	2428	None	33.5	0	
3	1	20.3	122.8	4110	2433	3833	2435	2434	None	N/A	0	
4	1	20.3	123.2	4128	2422	3850	2424	2423	None	N/A	0	
5	1	20.3	122.2	4128	2422	3850	2424	2423	None	N/A	0	
6	1	20.3	123.1	4132	2420	3854	2422	2421	None	N/A	0	
<b>Remarks:</b> Required Velocity: 2370-2430 ft/s. Projectile Yaw Check: 0° Yaw on All Impacts.												
<b>Footnotes:</b> N/A												



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<b>BALLISTIC RESISTANCE TEST</b>												
<b>Element U.S. Space &amp; Defense</b> 4603B Compass Point Road Belcamp, MD 21017							Client: Tacticsshop LLC Project No.: PH00013582-5 Test Date: 12/17/2024 Page 1 of 1					
<b>Test Panel</b>		Description: Torso plate tested stand alone.										
Manufacturer: Tacticsshop LLC						Sample No.: 930007						
Size: 10.00 x 11.75 in Avg. Thickness: N/A Thicknesses: N/A				Weight: 5.480 lbs Plies/Laminates: N/A				Date Received: 12/09/2024 Received Via: USPS Returned Via: USPS				
Setup												
Shot Spacing: NIJ-STD-0101.06 Level III Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Ambient				Primary Vel. Screens (ft): 37.000, 37.333, 46.666, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): N/A				Range No.: Range 1 Temp: 68.6 °F BP: 30.2 inHg RH: 47 % Barrel/Gun: WC020651 Gunner: James Jordan Recorder: Isaiah Lookingbill				
Ammunition												
Projectile			Lot No.			Manufacturer			Powder			
(1) 7.62 x 51-mm, 149-grain M80 FMJ			NA			Military			N 133			
Applicable Standards or Procedures												
Clay Drop 1 - Drop Time: 3:30 PM; Block No. WC074193; Temp: 95.1 °F; Drop Depths: 19.9 mm, 19.4 mm, 20.1 mm, 19.6 mm, 17.3 mm (1) NIJ-STD-0101.06 Level III (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	40.0	148.1	3607	2772	3364	2774	2773	None	41.8	0	
2	1	40.0	147.3	3585	2789	3347	2788	2789	None	45.5	0	
3	1	40.0	147.3	3620	2762	3377	2764	2763	None	N/A	0	
4	1	40.0	147.8	3616	2765	3373	2767	2766	None	N/A	0	
5	1	40.0	147.5	3634	2752	3390	2753	2752	None	N/A	0	
6	1	40.0	147.6	3578	2795	3338	2796	2795	None	N/A	0	
<b>Remarks:</b> Required Velocity: 2750-2810 ft/s. Projectile Yaw Check: 0° Yaw on All Impacts.												
<b>Footnotes:</b> N/A												