



## Advanced Tactical Rounds

### **4.6 MM - ND**



# National Defense

## 4.6 x 30 mm

Product Number: T3(CS)-4.6x30

- The 4.6mm is a copper/steel, 3- piece, enhanced performance, lead-free round
- Weight is 26 gr.
- The velocity is >2,550 FPS
- The ballistic coefficient is >.15
- Accuracy is <4 MOA@100meters
- The 4.6mm will penetrate heavy cloth, wallboard, oblique glass (windshield), car door, level IIIA armor vest, and NATO Steel
- The 4.6mm will fragment up to 9 pieces in soft tissue
- Terminal effect is >2 1/2"W x 12" D



**Figure 1 ND 4.6 x 30 mm in ballistic gelatin @ 50 meters**



**Figure 2 ND 4.6 x 30 mm vs. 3/16" NATO Steel**

Contact:

Matt Phillips

MattPhillips@Libertyammo.com

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# Summary of Liberty Ammunition's 4.6 x 30 mm Test Results

## Conducted by National Technical Systems

#	Test	National Defense 4.6 x 30 mm
1	Penetration Depth Ballistic Gel @ 5 meters	13.5-14.0"
2	Penetration Depth Ballistic Gel @ 25 meters	13.5-15.0"
3	Penetration Depth Ballistic Gel @ 50 meters	11.7-15.0"
4	Fracture Profile Diameter Ballistic Gel @ 5 meters	2.5-3.0"
5	Fracture Profile Diameter Ballistic Gel @ 25 meters	2.0-3.5"
6	Fracture Profile Diameter Ballistic Gel @ 50 meters	2.0"-2.0"
7	Fracture Profile Length Ballistic Gel @ 5 meters	5.0-6.5"
8	Fracture Profile Length Ballistic Gel @ 25 meters	6.5"-10.5"
9	Fracture Profile Length Ballistic Gel @ 50 meters	7.0-7.0"
10	Penetration Depth Oblique glass @ 25 meters	7.0-7.5"
11	Fracture Profile Diameter Oblique glass @ 25 meters	1.0-2.5"
12	Fracture Profile Length Oblique glass @ 25 meters	2.5-3.0"
13	Penetration Auto Door @ 25 meters	10.5-14.0"
14	Fracture Profile Diameter Auto door @ 25 meters	2.0-3.0"
15	Fracture Profile Length Auto door @ 25 meters	5.0-9.0"
16	Defeat Level IIIA Armor @ 25 meters	12.0-14.5"
17	Defeat Level IIIA Armor @ 50 meters	13.5-17.0"
18	Penetration 3/16" Steel Plate @ 25 meters	6.0"
19	Pressure @ -20° F	56,580
20	Pressure @ +72° F	57,313
21	Pressure @ +165° F	58,528
22	Velocity Standard Deviation @ -20° F	27.94 @ 2,503 FPS
23	Velocity Standard Deviation @ +72° F	19.98 @ 2,557 FPS
24	Velocity Standard Deviation @ +165° F	29.59 @ 2,539 FPS
25	Full Function Auto @ +72° F	Yes
26	Accuracy/Dispersion @ 100 meters	2.63 MOA
27	Noise Level in decibels	174
28	Muzzle Flash	None
29	Temperature Stability (Extreme spread) @ -20° F @ +72° F @ + 165° F	72.44 fps 92.06 fps 88.35 fps