



## 6.5x25 CBJ HET against simulated automobile door and gelatin

**Purpose:**

To test the performance of the 6.5x25 CBJ HET cartridge in test situation #3 of the FBI Ammunition Test Protocol, which simulates a target inside a vehicle that is engaged from the side.

**Test setup:**

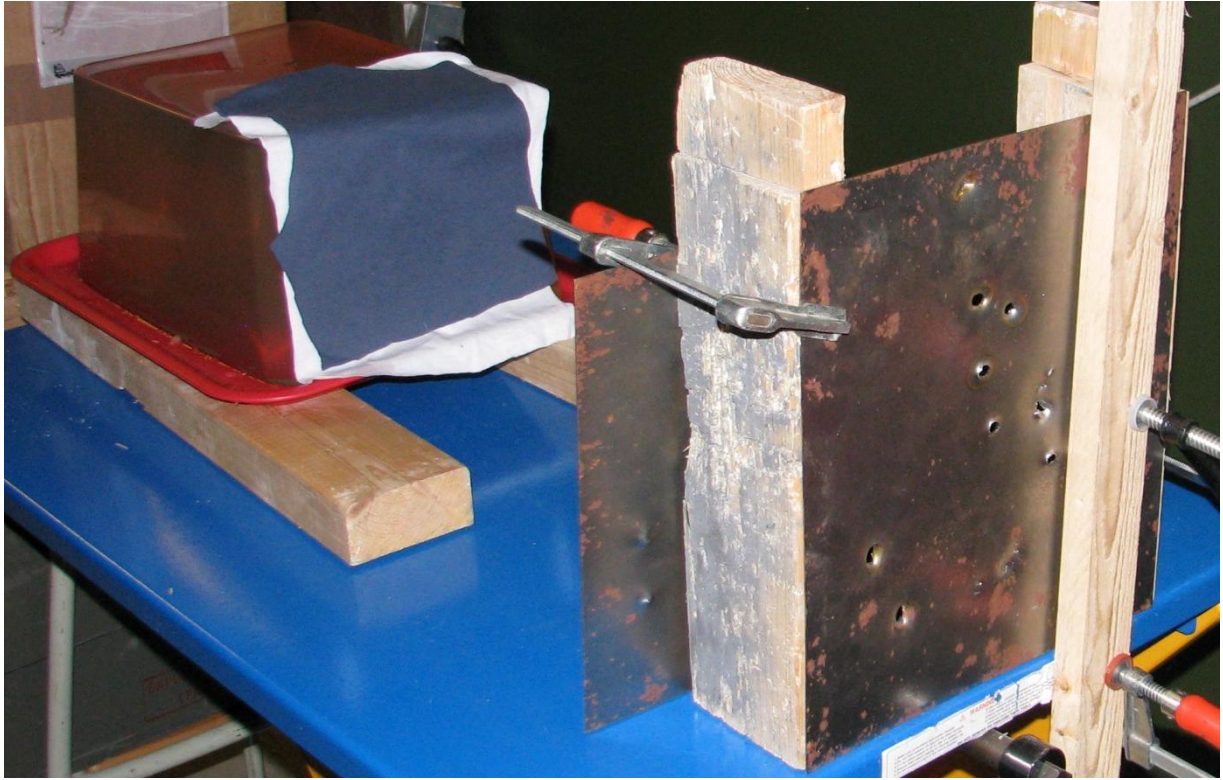
The target consists of a car door, simulated by two pieces of hot rolled sheet steel 1mm thick set 3 inches apart, placed 45cm in front of a 10% ordnance gelatin block, shot at 4°C. The dimensions of the block are: Length (Firing direction): 340mm, Height: 200mm, Width: 250mm. The block is covered with one layer of T-shirt material and one layer of cotton shirt material. The range was 3m. One 6.5x25 CBJ HET round was fired at the target from a 120mm pistol barrel,  $V_0$ : 727m/s.

**Results:**

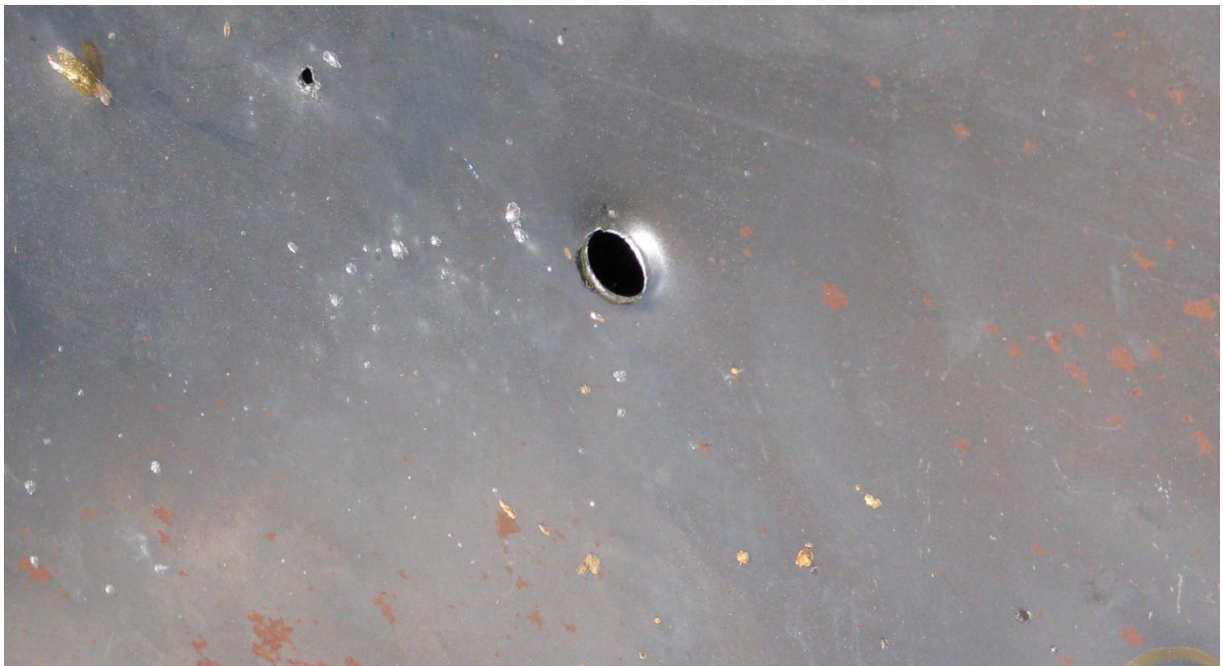
The steel plates and entire block of gelatin were penetrated.

**Comments:**

The 1mm thick steel plates were slightly thicker than stipulated in the aforementioned Protocol, which is 20 gauge=0.914mm.



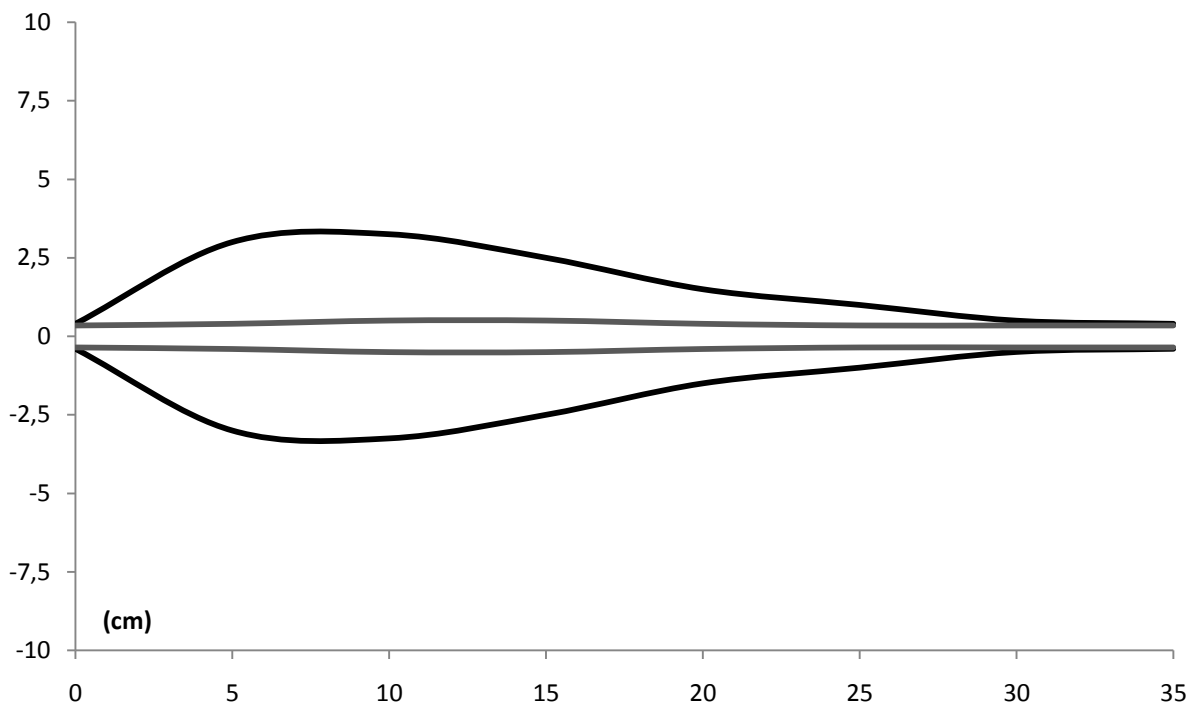
The target before the shot.



The exit hole in the second steel plate.



The gelatin block after the shot.



The Wound Profile of the shot.