

DEVA

**DEUTSCHE VERSUCHS- UND PRÜFANSTALT FÜR JAGD- UND SPORTWAFFEN E.V,
DUNE 3 - 33184 ALTENBEKEN**



Our reference: MW

November 11, 2002

Additional Testing

of

the Bullet Catch Box "Black Hole"

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1. Pre-consideration

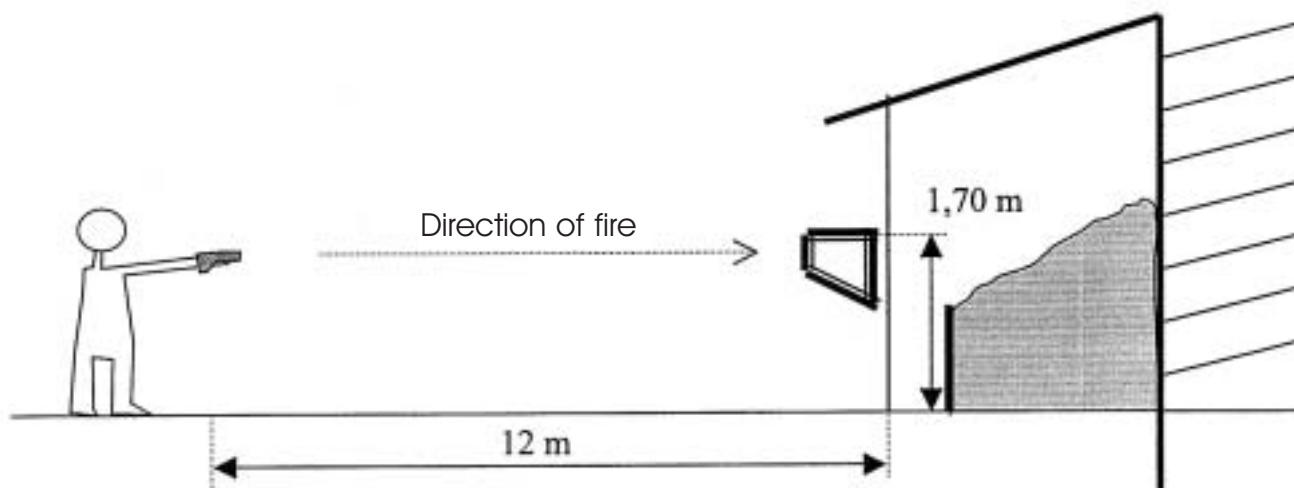
For functional tests (the remaining of the bullet in the box interior) we used the below mentioned small arms ammunition:

Calibre	Bullet type
.22 lfB	Lead round head
.38 Special	Lead round head
.357 Magnum	Partly coat
.357 Magnum	Fully coat



2. Trial Structure

The box was mounted at a height of 1.70 m. in front of the bullet encatchment wall, and was fired at from a distance of approximately 12 meters.



For the first test, the shooting took place from a bench rest so as to attain a constant firing position. The bullet holes were thus concentrated within a close area, so resulting in high material stress. The durability of the bullet catch box, independently of the bullet calibre, was thus proved with this test.

3. Results

Calibre .22 lfB

Weapon used: Erma-Werke ESP 85 sport pistol.
Number of shots: 30

As already stated in the first test, the bullet catch box is suitable for unrestricted use of small arm's calibre .22lfB. The insertion of cotton wool guarantees that neither bullet splits, neither bullets come out of the box.

Calibre .38 Special

Weapon used: 6 inch Colt Python revolver
Number of shots: 25

Due to the difference of calibre from the .22, a higher implosion took place within the box and after 25 shots the cotton wool was completely coloured grey. There was, as well, no bullet rebound from the box.



Calibre .357 Magnum

Weapon used: Colt Python revolver with 6 inch barrel.
Number of shots: 20

For testing this calibre we used a cone topped bullet weighing 9.2 g. The result of the first test showed a deforming of the rear steel plate of the box due to high impact energy of $E_{10} = 932$ Joule. The metal plate was then welded on to the top two corners of the box, which then stood up to the entire shooting test. After 20 shots, there was complete containment of all bullets, bullet split and dust.

After all trials it was found that the Teroson-insole had become slightly detached. We propose to fix this, in future, with a stable burr.

4. Summary

The bullet catch box is especially suitable for calibres of .22fB to .38 Special. These types of bullets have a high destructive grade and containment is successful. Regular control of the cotton wool is necessary to ensure the well-functioning of the box after high number of shots.

5. Legal Notice

Despite its functionality and durability, the bullet catch box, Black Hole is subject to German law. Within Germany, the Black Hole may only be used at officially approved shooting ranges, and only then with bullets of no more than 7.5 Joules. (§44 - Shooting ranges - and §46 weapons law.)

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Markus Walter

