

NEW INDUSTRY BREAKTHROUGH PATENT PENDING(S) TECHNOLOGIES

WHY DID MAIMI-DADE TRANSITION FROM A .223 Rem. TO A .300 BLACKOUT CARTRIDGE?

In 2016, National Police Ammunition (NPA) was introduced to the Miami-Dade Special Response Team (SRT) to become a potential supplier of frangible ammunition to the unit. It was noticed that the Special Response Team was utilizing two (2) different duty rounds. One bonded .223 for barriers, and another silver tip for soft targets. The question was asked, could one round replace the two existing duty rounds?

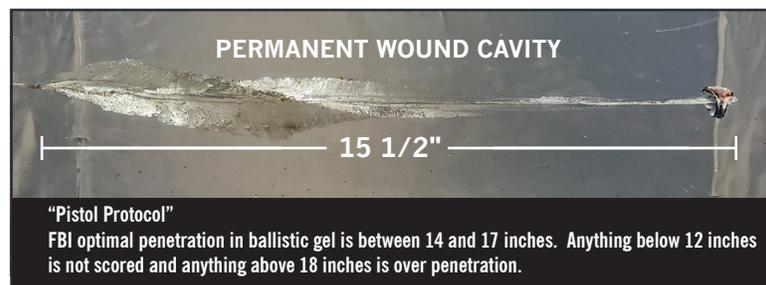
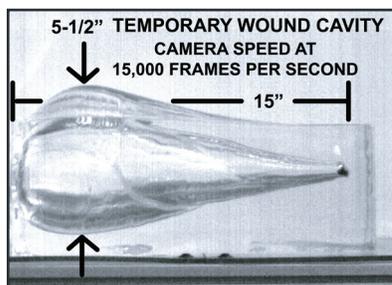


National Police Ammunition saw this as a challenge and immediately requested performance specifications for a substitute cartridge, and upper receiver they were given the following:

- A rifle bullet that would score well in the FBI pistol test protocol.
- The bullet must hold a minimum of 3" group from an 8" barrel, suppressed at 100 yards.
- Could reliably function at a minimum of 500 rounds before light cleaning was required.
- Upper receiver length could not exceed 15" including the suppressor.
- Ability to defeat soft body armor (NIJ3A) out to 100 yards.
- Tested to defeat hurricane impact glass.

After researching various calibers, it was decided that a .300 Blackout (formally known as a .300 Whisper) would be the best candidate to accomplish the project's goals for the following reasons:

1. A wide variety of projectile selections.
2. Retains all the parts of a standard AR15 in .223 and only requires the barrel to be replaced.
3. Subsonic ammunition could be utilized and will reliably cycle, unlike the .223



As a result of other manufacturer's bullets inability to meet the required specifications, NPA began to experiment with its frangible technology. NPA created a frangible sintered tip which was inserted into a patent pending solid copper .300 Blackout bullet which performed consistently through multiple FBI pistol protocol tests. NPA has created a new patent pending technology bullet named the HELO SR. The new 40 gr .300 Blackout HELO SR out-performed a 62gr .223 bonded bullet which had test results that varied drastically in the same tests.

Costs and Training Rounds:

- The match grade solid copper 300 Blackout HELO SR is less than the combined cost of having 2 duty rounds.
- The frangible .300 Blackout training round is cost comparable to .223 frangible training rounds.
- Marking paint rounds are now available in .300 Blackout from the company UTM.
- NPA plans to begin manufacturing a lead-free solid copper training round, it will retain the same point-of-aim and point-of-impact ballistics as the .300 Blackout HELO SR.