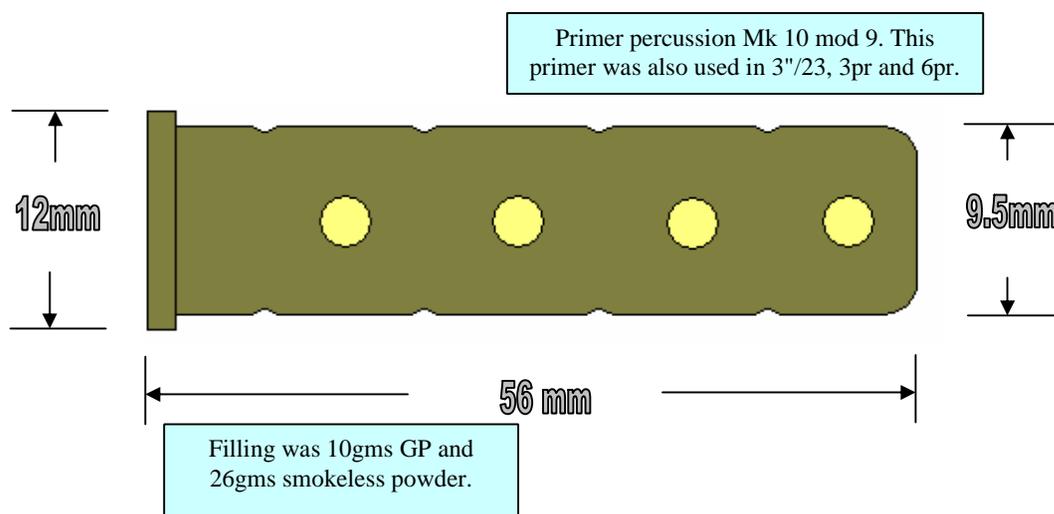
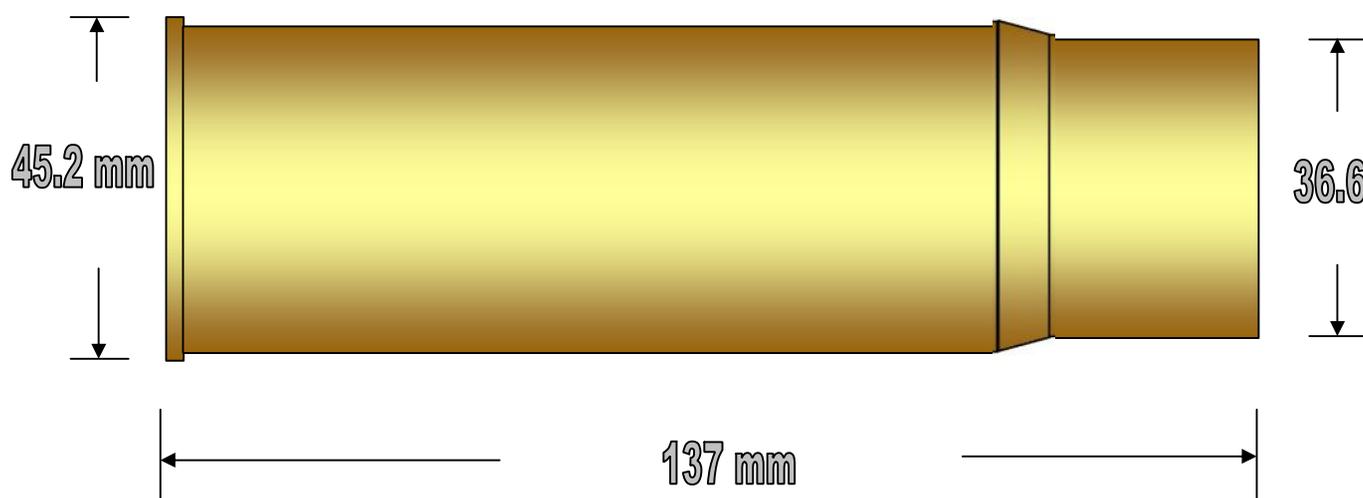


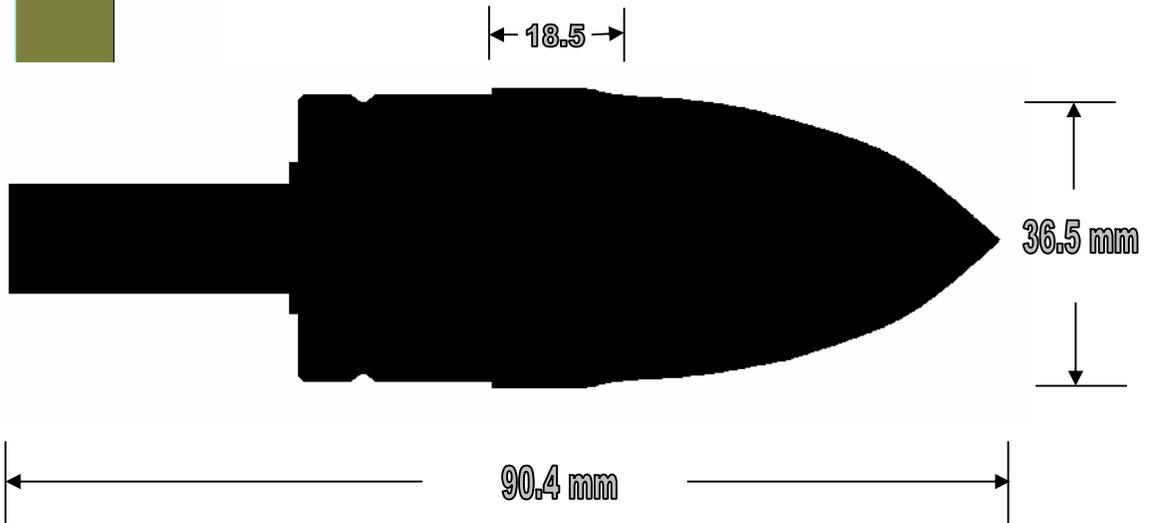
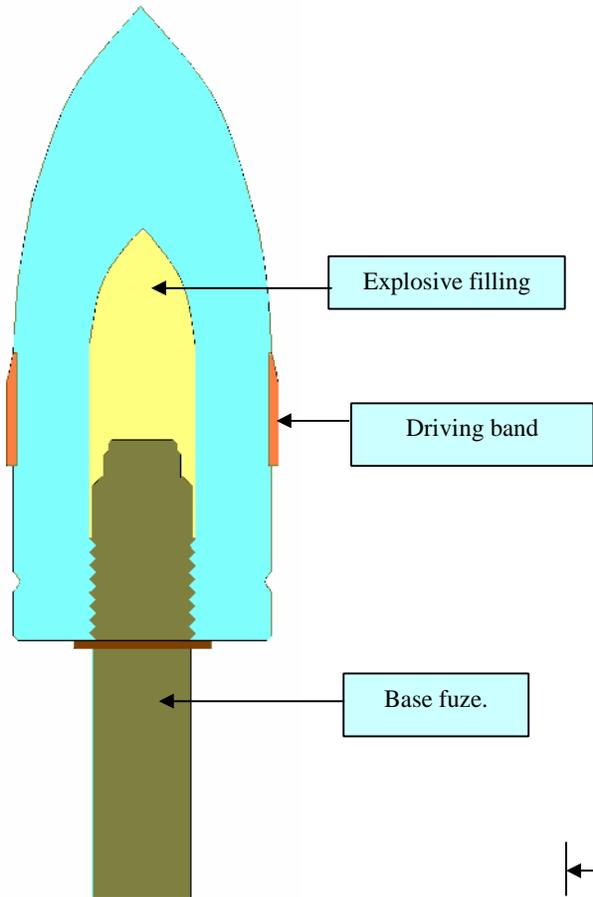
1 POUNDER H.E. COMMON

This cartridge was used in the United States Coast Guard service. The projectile was filled originally with either a mixture of Gunpowder and TNT or Gunpowder alone. The original instructions for this weapon read that the cartridge case and the Mk 10 Mod 0 primer could be used for saluting purposes. The cartridge was supplied as a fixed round.

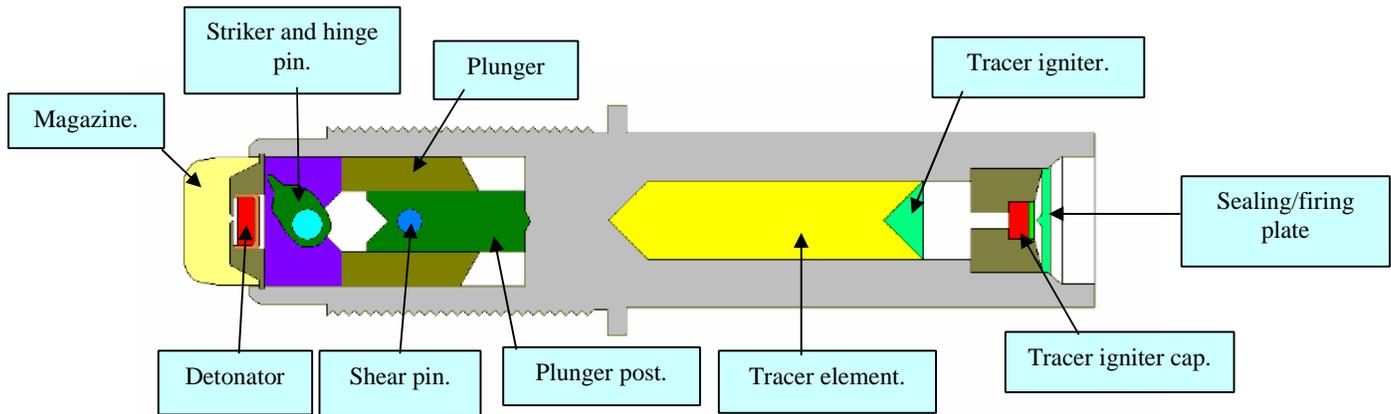
The filling in the projectile was .026 lbs and represented 2.07% CWR, which isn't very big at all. The projectile could be fitted with Mk 2 mod 9 and Mk 8 mod 5 base fuzes, both without tracers. The officially preferred fuze was the Mk 8 mod 4.

The cartridge case was made from brass and was filled with 70gms of smokeless propellant, the primer fitted was the Mk 10 mod 9 percussion primer.





Fuze Base Detonating Mk 8 Mod 0-6



FUZE ACTION:

On firing the propellant gasses drive the sealing/firing plate onto the tracer igniter cap causing it to fire a jet of flame into the tracer igniter. The flame from this ignites the tracer element, which continues to burn until the compound is all consumed.

At the same time the set-back forces cause the plunger to be driven rearward which shears the shear pin thus allowing the plunger to move.

This allows the block containing the firing pin to move also and the shape of the plunger post top keeps the firing pin, which has rotated into its firing position, in alignment with the detonator.

On impact the block is drive forward carrying the firing pin onto the detonator, which explodes causing the magazine to detonate the filling of the shell.