

Caseless Amunition

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Overview

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Plan and Implementation

Upsides/Pros

Downsides/Cons

Summary

History



- First Modern Day Ammunition Created by Germany during WW2
- Experiments had some success but not enough to warrant the full change to caseless ammunition
- Heckler & Koch created first successful caseless ammunition in their G11 created in 1977

Plan and Implementation

- Nazis originally planned to implement caseless ammunition but abandoned the project due to lack of weather resistance
- Heckler & Kochs G11 went through successful experimentation but was deemed not combat ready due to the ammunition's fragility and lack of practical use



Upsides/Pros

- The biggest upside was the money saved from not having to use brass casings that became useless after the firing of the weapon
- The ammunition was also lighter which meant that a larger quantity could be transported
- Special ops missions could benefit due to the fact that they were caseless and wouldn't have to worry about leaving evidence behind



Downsides/Cons

- The ammunition was very fragile
- The ammunition could be corrupted or destroyed by dirty or oily hands that could jam or damage the weapon
- The ammunition could misfire very often, the metal casings in conventional weapons would act as a heatsink, but without the heatsink the heated up barrel after firing multiple rounds could “fire the bullet” without a trigger pull

Summary

In summary the idea of caseless ammunition is a good one but implementing it is a big challenge, Caseless ammunition is difficult to work with due to its fragile and poor weather resistance capabilities. Though caseless ammunition could save many millions. The brass casing cannot be beat when it comes to its durability on and off the combat field whether its is incredible wether resistance. Though the idea is good the outcome and experimentation proved otherwise

Sources

<https://weaponsandwarfare.com/2019/09/25/caseless-cartridge/>

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