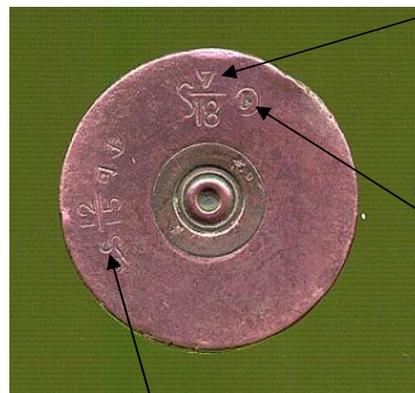
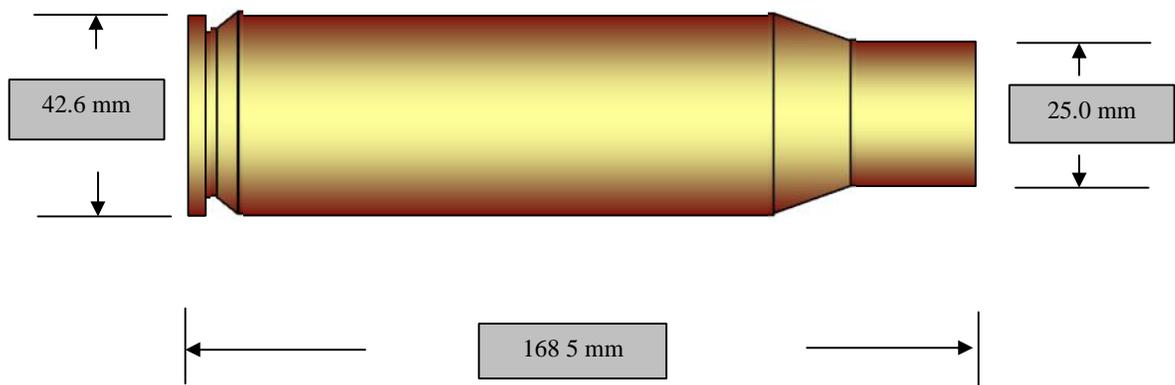


## 25mm ANTI-AIRCRAFT

The European navies, especially the British, heavily influenced the Japanese navy. In this particular instance they adopted a French army weapon, the Hotchkiss, and adapted it to various configurations on their ships. They used the cartridge in single, double and triple mounts but limited their effectiveness by using fifteen round magazines and air cooling for the weapon. The 25mm projectile is limited in capacity therefore it is not very effective at the target end. War experience soon saw all the belligerents gradually increasing the calibre of AAA and A/C weapons till the Germans were experimenting with 50mm cannon in A/C and most other nations had adopted either 37mm or 40mm as their standard AAA weapons. This cartridge was used throughout the war without any substantial changes. Interestingly the Japanese categorised this weapon as a “25mm Machine Gun”. It was used in the Type 96 AAA and Atk gun.



S  $\frac{7}{18}$

This probably indicates a reloaded case.

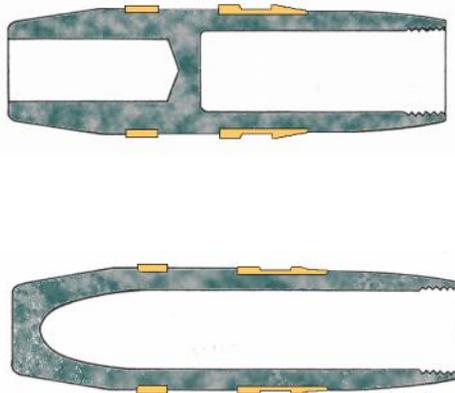
Toyokawa arsenal mark.

S  $\frac{12}{15}$

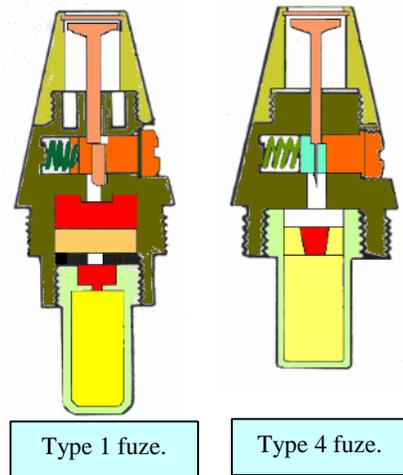
S=SHOWA, 12=12<sup>TH</sup> MONTH, 15 = 15<sup>TH</sup> YEAR.

The cartridge case is usually made from brass but may be found in steel. It weighs 333.5 gms. It is filled with 102 gms of tubular NC propellant.

# THE PROJECTILES



The filled projectiles for this calibre were made in two styles that cannot be identified outside the case. The top one is the shorter of the two and has two cavities. The longer version has only one cavity. The top is 86 mm long and the bottom one is 90mm long.



Notes for 25mm Projectiles.

## HE/T (sd)

Filled TNT/Aluminium with GP self-destruct element connecting the tracer to the HE filling.

Weighs 118 gms.

There is no external way to distinguish the self-destruct version from the normal HE/T.

## HE/T

This projectile was filled in either of three ways:

1. Three pellets of TNT/Aluminium.
2. Three pellets of TNT.
3. Cast or pressed Tetryl.

These two projectiles were painted either red or orange there being no discernable difference between the them.

## HE

Filled in either of three ways:

1. 66% TNT, 34% Aluminium
2. Cast TNT.
3. Tetryl.

## HE/I

This projectile was filled with:  
5.66 gms TNT/Aluminium and 13.32 gms of White Phosphorus.

## AP/T

This projectile was filled with 3.53 gms of Kieselguhr, a diatomaceous earth and a tracer element of 8.65gms.

The standard diameter of the projectile is actually 24.5mm but, as is common with Japanese practices the designation is 25 mm.

The forward driving band is 18 mm wide and the rear band is 6mm.



25mm HE projectile  
and complete cartridge



Type 1 fuze.

