

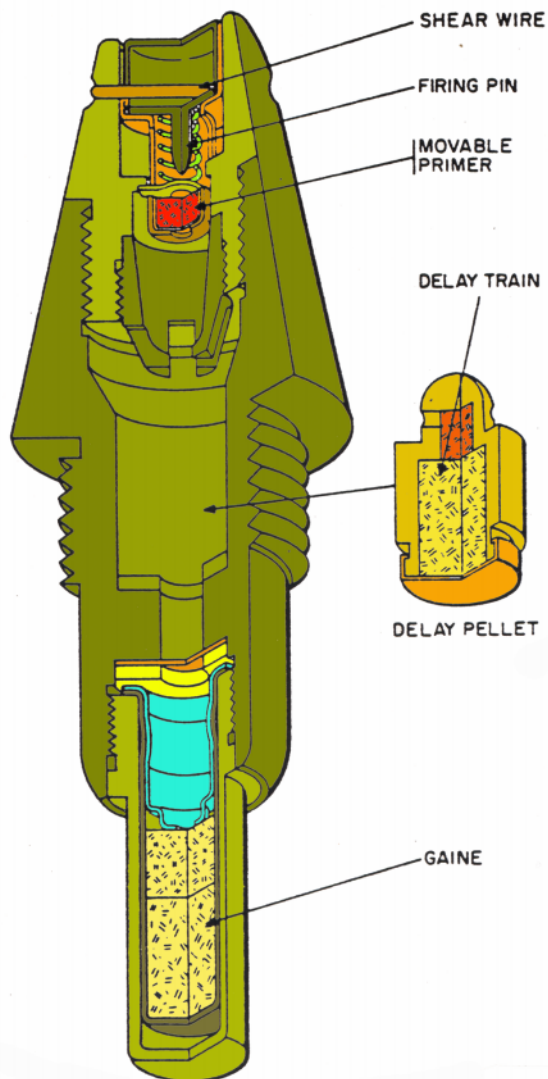
## TYPE 93 INSTANTANEOUS/SHORT DELAY

This fuze was used in 81, 90 and 150mm HE projectiles and also in 90mm Incendiary projectiles.

The body was made of brass in two sections joined by a screw thread. The top portion contained a firing pin, shear wire and a moveable primer. The primer is kept apart from the firing pin by both a spring and a washer.

The gaine is screwed into the base of the body with a left-handed thread.

To convert the fuze from instantaneous to short delay the top portion is removed and a delay pellet is inserted. The interrupter the flash from the top primer and passes is through a pyrotechnic delay element.



### ACTION

Prior to firing the gunner selects either instantaneous or delay. Nothing occurs within the fuze on firing.

For instantaneous action the fuze impacts with the target and shears the shear wire this drives the pin into the primer. The flash from this passes through to the magazine and thence into the shell filling.

For delay action the flash from the primer is passed into a delay train that slows the action down sufficient to permit the shell to penetrate the target before detonation.