

SELF DESTRUCTING IMPACT FUSE

The present invention is a cylindrical firing pin having a hollow centrifugal chamber for holding a number of spheres and a number of radial openings
5 on its surface for exposing portions of the spheres when the chamber is spun. At one end of the chamber is a spring for exerting compression force along the longitudinal axis of the chamber and at the other end is a self destructing (SD) firing pin for striking the detonator. A centrifugal lock having a pivot offset from the longitudinal axis holds the chamber in place
10 by mating with a groove on surface of the centrifugal chamber. The cylindrical firing pin is seated concentrically within a frame and disposed over an escapement assembly featuring the detonator. The detonator is rotated into alignment with the SD firing pin after the projectile incorporating the fuse travels the minimum tactical distance. The frame is
15 further coupled with a base which features a point detonation (PD) firing pin for striking the detonator.

Fig. 1A.