

Short-Range Less-Lethal Kinetic Energy Weapon System

Preliminary



- Low recoil
- Integrated laser aiming
- 5-shot capacity from a pistol-type magazine
- Safe/fire mechanism
- Easy to use

The Short-Range Less-Lethal Kinetic Energy Weapon System, “Thumper™,” was designed to provide law enforcement personnel the means to subdue and apprehend an unruly, combative individual by using a less than lethal level of force. For example, to subdue an individual armed with a knife or a makeshift weapon, the officer can fire Thumper™’s 19 mm projectile, producing pain and gaining compliance without fatally injuring the suspect. Because of the short-range capability of the 19 mm system, the risk of hitting and injuring a bystander is minimal. In a domestic dispute situation, the projectile will not penetrate a wall to possibly injure a person in another room.

Thumper™ consists of a 22-gram (340 grains) soft-nose plastic projectile 19 mm in diameter and 36 mm long, fired at approximately 200 fps from a conventional emergency flare no-breech launcher. The launcher has a 5-round pistol-type magazine. The 5 rounds can be fired in rapid succession by cocking the hammer and pressing the trigger for each shot. The maximum effective range is 25 feet. The Thumper™ is a lightweight, portable, rugged, less-lethal system designed to deter, distract, and control individuals in a variety of scenarios.

The advanced design of the projectile ensures stable flight to 25 feet, with an accuracy of about 6 inches circular error. The energy delivered at the target is approximately 28 ft-lbs. or 38 Joules. The threshold of acceptable damage is 59 ft-lbs. (80 J).

Specifications

Preliminary

Launcher

Dimensions (LxWxH)	5.7 x 3.1 x 1.5 inches	145 x 78 x 37 mm
Weight w/magazine (loaded)	15.7 oz.	445 gm
Weight of magazine (loaded)	7.76 oz.	220 gm
Magazine capacity	5 rounds	

Ammunition

Caliber	.75 inches	19 mm
Cartridge Length	1.45 inches	36 mm.
Projectile Length	1 inch	24.5 mm
Projectile Weight	.79 oz.	22.5 gm
Propellant		Smokeless Powder

Notice: This product is available for sale only to pre-qualified State and Federal agencies. Please contact our office for qualification information.