



37mm ARWEN[®] AR-1 Less Lethal Munitions Overview

37mm ARWEN[®] AR-1 Less Lethal Impact Munitions

AR-1 Impact Batons are currently offered in three variants and are colour coded for rapid identification as to standard and non-standard energies. The **AR-1** (standard energy) baton is green with black rotating bands while the **AR-1-ME** (medium energy) and the **AR-1-RE** (reduced energy) batons are black with black rotating bands.

37mm ARWEN[®] AR-1 Batons are manufactured using state of the art high quality proprietary engineered resins and are produced utilizing computer controlled high pressure injection moulding equipment. The rotating bands are injection over-moulded onto the baton body which gives the most consistent and rotationally stable Impact Batons available.

37mm ARWEN[®] AR-1 Less lethal Munitions utilize high quality pressure tested aluminum cartridge cases which are manufactured on the latest computer controlled equipment. These cases are black anodized for additional durability and corrosion resistance. They are also individually pressure tested to 70 Bar to ensure the integrity of every case.

The ARWEN[®] Propellant Charge is comprised of a custom ARWEN[®] brass cartridge case containing a quantity of pyrotechnic powder which is sealed to ensure resistance to moist conditions. This propellant charge is secured into the base of the 37mm ARWEN[®] Cartridge case. This system allows for safe, efficient and cost effective reloading for training purposes.

PERFORMANCE

	<u>AR-1</u>	<u>AR-1-AIR</u>	<u>AR-1-AIR</u>
Projectile Weight	80gm +-1gm	80gm +-1gm	80gm +-1gm
Muzzle Velocity (avg.)	74ms/242fps	60ms/200fps	50ms/164fps
Kinetic Energy	219J	114J	100J
Foot Pound Force	162 FPF	106 FPF	74 FPF
Net Explosive Quantity	0.58g	0.55g	0.38g
Cartridge Dimensions	40mm x 10mm	40mm x 110mm	40mm x 110mm
Total Weight	145g +-1g	145g +-1g	145g +-1g
Minimum Operational Range	0m	0m	0m
Maximum Operational Range	100m	50m	30m