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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 |