ARWEN
LESS LETHAL

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*POC_SPEC_AR-3-CS-ME*

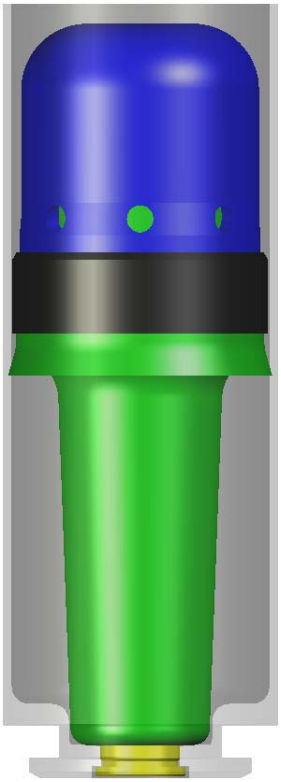
# Product Specification Sheet

*Revision G 2016-08-26*

All specifications are average and are subject to change without notice.

## AR-3-CS-ME

## ARWEN® Valve Impact Baton, Medium Energy CS Irritant



### PHYSICAL & OPERATIONAL

| | |
|---|---|
| ***Model No.*** | AR-3-CS-ME |
| ***Description*** | ARWEN® Valve Impact Baton, Medium Energy CS Irritant |
| ***Caliber*** | 37mm ARWEN® |
| ***Cartridge Type*** | Rebated Cartridge Case |
| ***Cartridge Material*** | Aluminum, Black Anodized |
| ***Outside Diameter*** | 40mm |
| ***Overall Height*** | 110mm |
| ***Overall Weight*** | 145g ± 1g |
| ***Projectile Weight*** | 78g ± 1g |
| ***Projectile Color*** | Blue Valve Cap – Green Baton Base |
| ***Net Explosive Quantity*** | 0.58g |
| ***Muzzle Velocity*** | 61m/s (200fps) Average – ARWEN 37 Barrel |
| ***Kinetic Energy at Muzzle*** | 144J (106ft-lbf) |
| ***Range*** | 75m |
| ***Compatibility*** | All 37mm ARWEN® Compatible Weapon Systems |
| ***Irritant Agent*** | CS Dust (2-chlorobenzalmalononitrile) $ClC_6H_4CHO + H_2C(CN)_2 \rightarrow ClC_6H_4CHC(CN)_2 + H_2O$ |
| ***Net Irritant Agent*** | 4 ±1 g |
| ***Waterproof*** | Lacquer coated primer, and sealed propellant cartridge |

### SHIPPING INFORMATION

| | |
|---|---|
| ***UN Number*** | UN0301 |
| ***Proper Shipping Name*** | Ammunition, Tear Producing |
| ***Hazard Class*** | 1.4G (6.1) (8) |
| ***Labels Required*** | Explosive, 1.4G, Toxic, Corrosive |
| ***Quantity Per Package*** | 12 Cartridges (2-4 boxes in master box)<br>75 Cartridges in metal drum |
| ***Total Package Weight*** | Box: 2.04kg (12 Cartridges)<br>Drum: 13.6kg (75 cartridges) |
| ***Package Type*** | Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications |
| ***Package Dimensions*** | Box: 16x24x19.5 cm (12 Cartridges)<br>Drum 35cm x 31cm (5 gal.) |
| ***US DoT Ref. No.*** | EX2016040328 |

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