

# ARWEN LESS LETHAL

MUNITIONS SPECIFICATION SHEETS

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**ARWEN Less Lethal - MUNITIONS SPECIFICATION SHEETS** 

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**ARWEN Less Lethal - MUNITIONS SPECIFICATION SHEETS** 





## 37mm ARWEN<sup>®</sup> AR-1 Less Lethal Munitions Overview

37mm ARWEN<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> Propellant Charge is comprised of a custom ARWEN<sup>®</sup> 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<sup>®</sup> Cartridge case. This system allows for safe, efficient and cost effective reloading for training purposes.

<b>PERFORMANCE</b>	<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
e			

#### **ARWEN Less Lethal - MUNITIONS SPECIFICATION SHEETS**

POC\_SPEC\_AR-1

Product Specification Sheet

Revision G 2016-08-23

### All specifications are average and are subject to change without notice. **AR-1**

### ARWEN<sup>®</sup> Impact Baton, Standard Energy

#### **PHYSICAL & OPERATIONAL**

- Model No.
- > Description
- > Caliber
- > Cartridge Type
- Cartridge
   Material
- > Outside
- Diameter ≻ Overall Height
- > Overall Weight
- Projectile Weight
- Projectile Color
- Net Explosive Quantity
- > Muzzle Velocity
- Kinetic Energy at Muzzle
- > Range
- > Compatibility
- > Waterproof

AR-1 ARWFI

ARWEN<sup>®</sup> Impact Baton, Standard Energy 37mm ARWEN<sup>®</sup>

- Rebated Cartridge Case
- Aluminum, Black Anodized

40mm

110mm 145g ± 1g 78g ± 1g Bright Green

0.61g

74m/s (242fps) Average – ARWEN 37 Barrel 219J (158ft-lbf)

100m

All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- VN Number
- Proper Shipping Name
- > Hazard Class
- Labels Required
- Quantity Per Package
- Total Package Weight
- Package Type
- Package Dimensions
- US DoT Ref. No.

#### UN0012

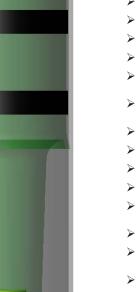
Cartridges for Weapons, Inert Projectile

1.4S

Explosive, 1.4S

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040326





POC\_SPEC\_AR-1-RE

### Product Specification Sheet

Revision G 2016-08-23

#### All specifications are average and are subject to change without notice. **AR-1-RE ARWEN® Impact Baton, Reduced Energy**

#### PHYSICAL & OPERATIONAL

AR-1-RE



- > Model No.
- Description
- Caliber
- Cartridge Type
- Cartridge
- Material ≻ Outside
- Diameter
- > Overall Height
- > Overall Weight
- > Projectile Weight
- Projectile Color
- > Net Explosive
- Quantity ➤ Muzzle Velocity
- Kinetic Energy at
- Muzzle
- Range
- > Compatibility
- > Waterproof

- 37mm ARWEN<sup>®</sup> Rebated Cartridge Case
- Aluminum, Black Anodized

ARWEN<sup>®</sup> Impact Baton, Reduced Energy

40mm

110mm 145g ± 1g 78g ± 1g Black

0.41g

50m/s (164fps) Average – ARWEN 37 Barrel 100J (74ft-lbf)

50m

All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- > UN Number
- > Proper Shipping
- Name ➤ UN Class
- Labels Required
- Quantity Per Package
- Total Package Weight
- Package Type
- Package Dimensions
- US DoT Ref. No.

Cartridges for Weapons, Inert Projectile

1.4S

UN0012

Explosive, 1.4S

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specification Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040326



#### **ARWEN Less Lethal - MUNITIONS SPECIFICATION SHEETS**

POC\_SPEC\_AR-1-AIR

Revision G 2016-08-23

### AR-1-AIR ARWEN<sup>®</sup> AIR Impact Baton, Standard Energy

#### **PHYSICAL & OPERATIONAL**

- > Model No.
- DescriptionCaliber
- Cartridge Type
- Cartridge
- Material
- Outside
- Diameter
- > Overall Height
- > Overall Weight
- > Projectile Weight
- > Projectile Color
- Net Explosive Quantity
- > Muzzle Velocity
- Kinetic Energy at
- Muzzle
- Range
- > Compatibility
- > Waterproof

- AR-1-AIR
- ARWEN<sup>®</sup> AIR Impact Baton, Standard Energy 37mm ARWEN<sup>®</sup> Rebated Cartridge Case
- Aluminum, Black Anodized
- 40mm

110mm 140g ± 2g 78g ± 1g Bright Green 0.61g

74m/s (242fps) Average – ARWEN 37 Barrel 219J (158ft-lbf)

100m

All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- UN Number
- Proper Shipping Name
- > Labels Required
- Quantity Per Package
- Total Package Weight
- > Package Type
- Package Dimensions
- > US DoT Ref. No.

#### Cartridges for Weapons, Inert Projectile

UN0012

Explosive, 1.4S

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040326



- UN Nu
   Prope
   Name
   Labels
   Quant



POC\_SPEC\_AR-1-AIR-RE

### Product Specification Sheet

Revision G 2016-08-23

#### All specifications are average and are subject to change without notice. **AR-1-AIR-RE ARWEN® AIR Impact Baton, Reduced Energy**

#### PHYSICAL & OPERATIONAL

37mm ARWEN®

Rebated Cartridge Case

Aluminum, Black Anodized

AR-1-AIR-RE

- Model No.
- Description
- Caliber

 $\triangleright$ 

- > Cartridge Type
- Cartridge
- Material ≻ Outside
- Diameter
- Overall Height
- > Overall Weight
- > Projectile Weight
- > Projectile Color
- Net Explosive Quantity
- > Muzzle Velocity
- Kinetic Energy at Muzzle

Compatibility

Waterproof

Range

- 40mm 110mm
- 140g ± 2g
- 78g ± 1g
- Bright Green
- 0.41g
- 50m/s (136fps) Average ARWEN 37 Barrel 100J (74ft-lbf)

ARWEN<sup>®</sup> AIR Impact Baton, Reduced Energy

50m

All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- UN Number
- Proper Shipping Name
- Labels Required
- Quantity Per Package
- Total Package Weight
- Package Type
- Package Dimensions
- > US DoT Ref. No.

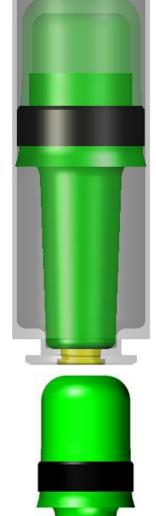
#### UN0012

Cartridges for Weapons, Inert Projectile

Explosive, 1.4S

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040326





PHYSICAL & OPERATIONAL

POC\_SPEC\_AR-2-CS

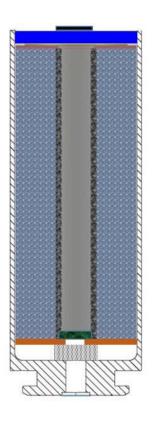
### Product Specification Sheet

Revision G 2016-10-28

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

### AR-2-CS

### **ARWEN®** Pyrotechnic Smoke, Standard Energy CS Irritant, Smoke





POC\_SPEC\_AR-3-CS-ME

Product Specification Sheet

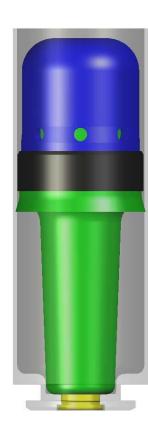
All specifications are average and are subject to change without notice.

AR-3-CS

**ARWEN® Valve Impact Baton, CS Irritant** 

**PHYSICAL & OPERATIONAL** Model No. AR-3-CS-ME  $\geq$ ARWEN® Valve Impact Baton, Medium Energy Description CS Irritant 37mm ARWEN® Caliber  $\geq$ Cartridge Type Rebated Cartridge Case > Cartridge Aluminum, Black Anodized  $\triangleright$ Material > Outside 40mm Diameter 110mm **Overall Height**  $\triangleright$ ≻ **Overall Weight** 145g ± 1g  $\triangleright$ **Projectile Weight** 78g ± 1g **Projectile Color** Blue Valve Cap - Green Baton Base  $\geq$ Net Explosive 0.61g > Quantity Muzzle Velocity 74m/s (242fps) Average - ARWEN 37 Barrel Kinetic Energy at 219j (158ft-lbf) Muzzle Range 75m Compatibility All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems CS Dust (2-chlorobenzalmalononitrile) Irritant Agent >  $CIC_6H_4CHO + H_2C(CN)_2 \rightarrow CIC_6H_4CHC(CN)_2 +$  $H_2O$ Net Irritant Agent 4 ±1 g Waterproof Lacquer coated primer, and sealed propellant cartridge SHIPPING INFORMATION UN0301 **UN Number**  $\triangleright$ Ammunition, Tear Producing **Proper Shipping** Name 1.4G (6.1) (8) Hazard Class Explosive, 1.4G, Toxic, Corrosive  $\geq$ Labels Required Quantity Per 12 Cartridges (2-4 boxes in master box) Package 75 Cartridges in metal drum Total Package Box: 2.04kg (12 Cartridges) Weight Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Package Type Lock Lid meeting UN Specifications Package Box: 16x24x19.5 cm (12 Cartridges) Dimensions Drum 35cm x 31cm (5 gal.) US DoT Ref. No. EX2016040328

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Revision G 2016-08-26

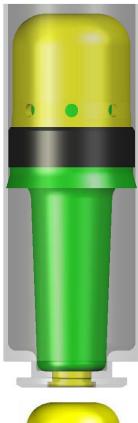
POC SPEC AR-3-P

### Product Specification Sheet

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

#### **AR-3-P**

#### ARWEN<sup>®</sup> Valve Impact Baton, Standard Energy – Inert Powder



#### PHYSICAL & OPERATIONAL

AR-3-P

Model No. Description

>

≻

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 $\geq$ 

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 $\triangleright$ 

>

>

 $\triangleright$ 

 $\triangleright$ 

Caliber

Material Outside

Diameter

> Overall Weight

Projectile Color Net Explosive

Quantity

Muzzle

Range

**Overall Height** 

**Projectile Weight** 

Muzzle Velocity

Compatibility

Irritant Agent

Waterproof

Net Irritant Agent

Kinetic Energy at

Cartridge Type Cartridge

ARWEN® Valve Impact Baton, Standard Energy - Inert Powder 37mm ARWEN®

Rebated Cartridge Case

Aluminum, Black Anodized

40mm

110mm

145g ± 1g

78g ± 1g

Yellow Valve Cap - Green Baton Base 0.61g

74m/s (242fps) Average - ARWEN 37 Barrel 219J (158ft-lbf)

100m

All 37mm ARWEN® Compatible Weapon Systems

N/A – Inert Powder, 4 ±1 g

N/A

Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- **UN Number**
- **Proper Shipping** Name
- **Hazard Class**
- Labels Required
- $\geq$ **Quantity Per**
- Package Total Package Weight
- Package Type
- Package
- Dimensions
- US DoT Ref. No.

UN0012

Cartridges for Weapons, Inert Projectile

#### 1.4S

Explosive, 1.4S

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040326

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Revision G 2016-08-23

POC\_SPEC\_AR-3-OC-RE

Product Specification Sheet All specifications are average and are subject to change without notice. Revision G 2016-08-26

### AR-3-OC-RE

### **ARWEN® Valve Impact Baton, Reduced Energy OC Irritant**

#### **PHYSICAL & OPERATIONAL**



#### Model No.

- > Description
- > Caliber
- > Cartridge Type
- Cartridge
   Material
- Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Weight
- Projectile Color
- Net Explosive Content
- > Muzzle Velocity
- Kinetic Energy at Muzzle
- > Range
- > Compatibility
- > Irritant Agent
- > Net Irritant Agent
- > Waterproof

AR-3-OC-RE ARWEN<sup>®</sup> Valve Impact Baton, Reduced Energy OC Irritant

37mm ARWEN®

- Rebated Cartridge Case
- Aluminum, Black Anodized

40mm

110mm

- 145g ± 1g
- 78g ± 1g
  - Orange Valve Cap Green Baton Base 0.41g

0.4 IY

50m/s (164fps) Average – ARWEN 37 Barrel 100J (74ft-lbf)

50m

- All 37mm ARWEN® Compatible Weapon
- Systems OC Blend – 10% OC (oleoresin capsicum)
- 4 ±1 g

Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- > UN Number
- > Proper Shipping
- Name > Hazard Class
- > Labels Required
- Quantity Per Package
- Total Package Weight
- Package Type
- Package Dimensions
- US DoT Ref. No.

UN0301

Ammunition, Tear Producing

1.4G (6.1) (8)

Explosive, 1.4G, Toxic, Corrosive

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328

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POC\_SPEC\_AR-3-OC

Revision G 2016-08-26

#### All specifications are average and are subject to change without notice. **AR-3-OC**

### **ARWEN® Valve Impact Baton, Standard Energy OC Irritant**



AR-3-OC



- Model No.
- Description
- Caliber
- Cartridge Type
- Cartridge Material
- Outside
- Diameter **Overall Height**
- **Overall Weight**
- $\triangleright$
- **Projectile Weight**
- **Projectile Color** Net Explosive
- Content
- Muzzle Velocity
- Kinetic Energy at Muzzle
- Range
- Compatibility
- Irritant Agent
- Net Irritant Agent
- Waterproof

ARWEN® Valve Impact Baton, Standard Energy OC Irritant 37mm ARWEN®

Rebated Cartridge Case Aluminum, Black Anodized

40mm

110mm

145g ± 1g

78g ± 1g

Orange Valve Cap - Green Baton Base 0.61g

74m/s (242fps) Average - ARWEN 37 Barrel 219J (158ft-lbf)

100m

All 37mm ARWEN® Compatible Weapon Systems

OC Blend - 10% OC (oleoresin capsicum) 4 ±1 g

UN0301

Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- **UN Number**
- **Proper Shipping** Name
- Hazard Class
- Labels Required
- **Quantity Per** Package
- Total Package Weight
- Package Type
- Package
- Dimensions
- US DoT Ref. No.

Ammunition, Tear Producing

1.4G (6.1) (8)

Explosive, 1.4G, Toxic, Corrosive

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328

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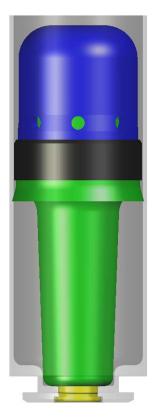
POC\_SPEC\_AR-3-CS-RE

Product Specification Sheet
All specifications are average and are subject to change without notice.

Revision G 2016-08-26

#### AR-3-CS-RE

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





#### PHYSICAL & OPERATIONAL AR-3-CS-RE

Energy CS Irritant

Rebated Cartridge Case

Aluminum, Black Anodized

37mm ARWEN®

40mm

110mm

145q ± 1q

78g ± 1g

100J (74ft-lbf)

0.41g

50m

 $H_2O$ 

4 ±1 g

Systems

ARWEN® Valve Impact Baton, Reduced

Blue Valve Cap - Green Baton Base

50m/s (164fps) Average - ARWEN 37 Barrel

All 37mm ARWEN® Compatible Weapon

 $CIC_6H_4CHO + H_2C(CN)_2 \rightarrow CIC_6H_4CHC(CN)_2 +$ 

Lacquer coated primer, and sealed propellant

CS Dust (2-chlorobenzalmalononitrile)

Model No.

- > Description
- Caliber
- > Cartridge Type
- Cartridge Material
- > Outside
- Diameter

  Overall Height
- > Overall Weight
- > Projectile Weight
- > Projectile Color
- > Net Explosive
- Quantity

  Muzzle Velocity
- Kinetic Energy at Muzzle
- > Range
- Compatibility
- > Irritant Agent
- > Net Irritant Agent

**UN Number** 

Hazard Class

Package

Weight

Package

Name

Proper Shipping

Labels Required Quantity Per

Total Package

Package Type

Dimensions

US DoT Ref. No.

 $\triangleright$ 

- > Waterproof
- SHIPPING INFORMATION

cartridge

UN0301

Ammunition, Tear Producing

#### 1.4G (6.1) (8)

Explosive, 1.4G, Toxic, Corrosive

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328

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POC\_SPEC\_AR-3-CS-ME

Product Specification Sheet All specifications are average and are subject to change without notice. Revision G 2016-08-26

### AR-3-CS-ME

#### ARWEN<sup>®</sup> Valve Impact Baton, Medium Energy CS Irritant



Rebated Cartridge Case

Aluminum, Black Anodized

Blue Valve Cap - Green Baton Base

61m/s (200fps) Average - ARWEN 37 Barrel

All 37mm ARWEN® Compatible Weapon

 $CIC_6H_4CHO + H_2C(CN)_2 \rightarrow CIC_6H_4CHC(CN)_2 +$ 

Lacquer coated primer, and sealed propellant

CS Dust (2-chlorobenzalmalononitrile)

ARWEN® Valve Impact Baton, Medium Energy

AR-3-CS-ME

CS Irritant 37mm ARWEN<sup>®</sup>

40mm

110mm

145q ± 1q

78g ± 1g

144J (106ft-lbf)

0.58g

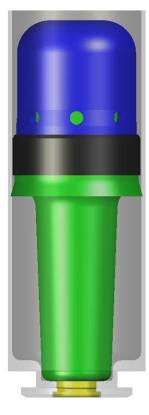
75m

 $H_2O$ 

4 ±1 g

cartridge

Systems





- Model No.
- > Description
- Caliber
- > Cartridge Type
- Cartridge Material
- > Outside
- Diameter ➤ Overall Height
- > Overall Weight
- Projectile Weight
- > Projectile Color
- Net Explosive Quantity
- > Muzzle Velocity
- Kinetic Energy at Muzzle
- > Range
- > Compatibility
- > Irritant Agent
- > Net Irritant Agent
- > Waterproof

**UN Number** 

Hazard Class

Package

Weight

Package

Name

**Proper Shipping** 

Labels Required Quantity Per

Total Package

Package Type

Dimensions

US DoT Ref. No.

 $\triangleright$ 

UN0301

Ammunition, Tear Producing

1.4G (6.1) (8)

SHIPPING INFORMATION

Explosive, 1.4G, Toxic, Corrosive

12 Cartridges (2-4 boxes in master box) 75 Cartridges in metal drum Box: 2.04kg (12 Cartridges) Drum: 13.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328

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POC\_SPEC\_AR-4-Y

16

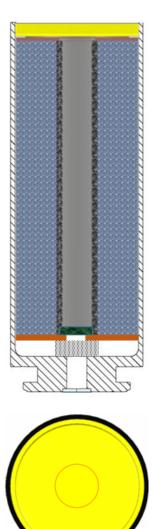
### Product Specification Sheet

Revision G 2016-09-08

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

#### AR-4-Y

### **ARWEN®** Pyrotechnic Yellow Smoke, Standard Energy



**PHYSICAL & OPERATIONAL** 

Rebated Cartridge Case

Aluminum, Black Anodized

ARWEN® Pyrotechnic Yellow Smoke,

Aluminum Canister containing Pyrotechnic compound

All 37mm ARWEN® Compatible Weapon Systems

Box: 12 Cartridges (2-4 boxes in master box)

Fiberboard Boxes or Metal Drum with Lever Lock Lid

AR-4-Y

40mm

110mm

173g +-2g

102g +-1g

2.5 ~ 3 minutes

N/A Safe Smoke

UN0303

1.4G (8)

2.3g

N/A

Standard Energy

37mm ARWEN®

- Model No.
- > Description
- > Caliber
- > Cartridge Type
- > Cartridge Material
- > Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Material
- > Projectile Weight
- > Net Explosive Quantity
- > Muzzle Velocity
- > Range

 $\triangleright$ 

- > Discharge Time
- > Irritant Agent
- > Net Irritant Agent
- Compatibility

#### SHIPPING INFORMATION

Explosive, 1.4G; Corrosive

Drum: 14.9kg (75 cartridges)

Drum: 75 Cartridges Box: 2.27kg (12 Cartridges)

50~75m depending on Barrel Angle

- UN Number
- Proper Shipping Name Ammunition, Smoke
- > Hazard Class
- Labels Required
- Quantity Per Package
- > Total Package Weight
- > Package Type
- Package Dimensions
   US DoT Ref. No.
- meeting UN Specifications ns Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040329
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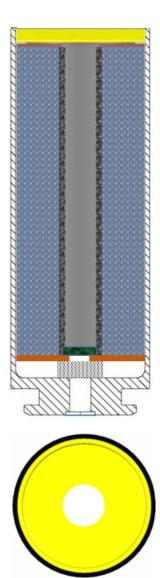
POC\_SPEC\_AR-4-W

### Product Specification Sheet

Revision G 2016-09-08

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

#### AR-4-W ARWEN<sup>®</sup> Pyrotechnic White Smoke, Standard Energy



#### **PHYSICAL & OPERATIONAL**

- Model No.
- Description
- > Caliber

 $\triangleright$ 

- > Cartridge Type
- > Cartridge Material
- > Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Material
- > Projectile Weight
- > Net Explosive Quantity
- > Muzzle Velocity
- ≻ Range

 $\triangleright$ 

 $\geq$ 

 $\geq$ 

- > Discharge Time
- > Irritant Agent
- > Net Irritant Agent
- > Compatibility

#### ARWEN<sup>®</sup> Pyrotechnic White Smoke, Standard Energy

- 37mm ARWEN<sup>®</sup> Rebated Cartridge Case
- Aluminum, Black Anodized
- 40mm

AR-4-W

- 110mm
- 173g +-2g
  - Aluminum Canister containing Pyrotechnic compound
- 102g +-1g
- 2.3g

50~75m depending on Barrel Angle 2.5 ~ 3 minutes N/A Safe Smoke N/A

All 37mm ARWEN® Compatible Weapon Systems

#### SHIPPING INFORMATION

UN0303 **UN Number** Ammunition, Smoke Proper Shipping Name 1.4G (8) Hazard Class Explosive, 1.4G; Corrosive Labels Required Box: 12 Cartridges (2-4 boxes in master box) Quantity Per Package Drum: 75 Cartridges Box: 2.27kg (12 Cartridges) Total Package Weight Drum: 14.9kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid Package Type meeting UN Specifications Package Dimensions Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) UN DoT Ref. No. EX2016040329

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catio <sup>ubject to d</sup> W Smol Model No.

Caliber

Description

Cartridge Type

**Overall Height** 

**Overall Weight** 

Cartridge Material

**Outside Diameter** 

**Projectile Material** 

**Projectile Weight** 

Muzzle Velocity

**Discharge Time** 

Net Irritant Agent

Irritant Agent

Compatibility

Range

 $\geq$ 

 $\geq$ 

 $\geq$ 

 $\triangleright$  $\geq$ 

 $\geq$  $\geq$ 

 $\geq$ 

 $\geq$ 

 $\geq$ 

 $\geq$ 

 $\geq$  $\succ$ 

 $\geq$ 

 $\triangleright$ 

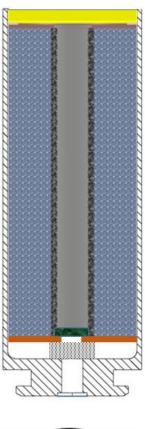
POC\_SPEC\_AR-4-R

### Product Specification Sheet

Revision G 2016-09-08

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

#### AR-4-R **ARWEN®** Pyrotechnic Red Smoke, Standard Energy



#### PHYSICAL & OPERATIONAL

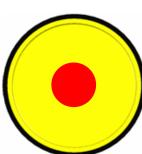
- AR-4-R
  - ARWEN® Pyrotechnic Red Smoke, Standard Energy 37mm ARWEN®
  - **Rebated Cartridge Case**
  - Aluminum, Black Anodized
  - 40mm
- 110mm
- 173g ±2g
  - Aluminum Canister containing Pyrotechnic compound
- 102g ±1g
- Net Explosive Quantity 2.3 g

50~75m depending on Barrel Angle 2.5 ~ 3 minutes N/A Safe Smoke N/A All 37mm ARWEN® Compatible Weapon Systems

- SHIPPING INFORMATION
- **UN Number** 
  - **Proper Shipping Name**
  - Hazard Class
- Labels Required
- **Quantity Per Package** >
- $\triangleright$ Total Package Weight
- Package Type
- Package Dimensions
- US DoT Ref. No.

- UN0303
- Ammunition, Smoke 1.4G (8) Explosive, 1.4G, Corrosive Box:12 Cartridges (2-4 boxes in master box) Drum: 75 Cartridges in metal drum Box: 2.27kg (12 Cartridges) Drum: 14.9kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040329

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POC\_SPEC\_AR-4-V

### Product Specification Sheet

Revision G 2016-09-08

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

#### AR-4-V ARWEN<sup>®</sup> Pyrotechnic Violet Smoke, Standard Energy

AR-4-V

40mm

110mm

173g +-2g

102g +-1g

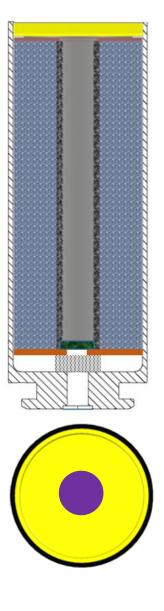
2.5 ~ 3 minutes

N/A Safe Smoke

2.3g

N/A

Standard Energy 37mm ARWEN®



#### PHYSICAL & OPERATIONAL

Rebated Cartridge Case

Aluminum, Black Anodized

ARWEN® Pyrotechnic Violet Smoke,

Aluminum Canister containing Pyrotechnic compound

All 37mm ARWEN® Compatible Weapon Systems

- Model No.
- Description
- Caliber
- Cartridge Type
- Cartridge Material
- > Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Material
- > Projectile Weight
- > Net Explosive Quantity
- > Muzzle Velocity
- ≻ Range
- Discharge Time
- Irritant Agent
- / Initiant Agent
- > Net Irritant Agent
- Compatibility

#### SHIPPING INFORMATION

50~75m depending on Barrel Angle

- U
- Proper Shipping Name Amr
- Hazard Class

**UN Number** 

- Labels Required
- Quantity Per Package
- > Total Package Weight
- > Package Type
- > Package Dimensions

UN0303 Ammunition, Smoke

EX2016040329

- 1.4G (8)
- Explosive, 1.4G; Corrosive
- kage Box: 12 Cartridges (2-4 boxes in master box) Drum: 75 Cartridges
   Box: 2.27kg (12 Cartridges) Drum: 14.9kg (75 cartridges)
   Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications
   Box: 16x24x19.5 cm (12 Cartridges)
   Drum 35cm x 31cm (5 gal.)
- US DoT Ref. No.
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POC\_SPEC\_AR-4-O

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**Product Specification Sheet** 

Revision G 2016-09-08

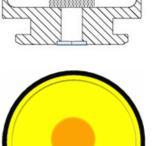
All specifications are average and are subject to change without notice.

## **ARWEN®** Pyrotechnic Orange Smoke, Standard Energy

**AR-4-0** 

#### PHYSICAL & OPERATIONAL

Model No. AR-4-0 ARWEN® Pyrotechnic Orange Smoke, Description Standard Energy Caliber 37mm ARWEN® Cartridge Type Rebated Cartridge Case Cartridge Material Aluminum, Black Anodized **Outside Diameter** 40mm **Overall Height** 110mm **Overall Weight** 173g +-2g **Projectile Material** Aluminum Canister containing Pyrotechnic compound **Projectile Weight** 102g +-1g Net Explosive Quantity 2.3 g Muzzle Velocity Range 50~75m depending on Barrel Angle Discharge Time 2.5 ~ 3 minutes Irritant Agent N/A Safe Smoke Net Irritant Agent N/A Compatibility All 37mm ARWEN® Compatible Weapon Systems



SHIPPING INFORMATION

Ammunition, Smoke

Drum: 75 Cartridges Box: 2.27kg (12 Cartridges)

EX2016040329

Explosive, 1.4G; Corrosive

Drum: 14.9kg (75 cartridges)

Lid meeting UN Specifications

Drum 35cm x 31cm (5 gal.)

Box: 16x24x19.5 cm (12 Cartridges)

Box: 12 Cartridges (2-4 boxes in master box)

Fiberboard Boxes or Metal Drum with Lever Lock

UN0303

1.4G (8)

- **UN Number**
- **Proper Shipping Name**
- Hazard Class  $\triangleright$
- $\triangleright$ Labels Required
- **Quantity Per Package**  $\geq$
- Total Package Weight ≻
- Package Type  $\triangleright$
- Package Dimensions
- US DoT Ref. No.
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POC\_SPEC\_AR-4-G

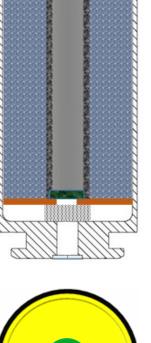
### Product Specification Sheet

Revision G 2016-09-08

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

### AR-4-G

### ARWEN<sup>®</sup> Pyrotechnic Green Smoke, Standard Energy



- PHYSICAL & OPERATIONAL
- Model No.
- Description
- Caliber
- Cartridge Type
- Cartridge Material >
- **Outside Diameter**
- **Overall Height**  $\geq$
- **Overall Weight**
- $\geq$ **Projectile Material**
- ≻ **Projectile Weight**
- Net Explosive Quantity  $\geq$
- $\triangleright$ Muzzle Velocity
- Range  $\geq$
- **Discharge Time** >
- Irritant Agent  $\triangleright$
- Net Irritant Agent
- Compatibility

### AR-4-G

- ARWEN® Pyrotechnic Green Smoke, Standard Energy 37mm ARWEN® **Rebated Cartridge Case** Aluminum, Black Anodized 40mm 110mm 173g +-2g Aluminum Canister containing Pyrotechnic compound 102g +-1g 2.3g 50~75m depending on Barrel Angle 2.5 ~ 3 minutes N/A Safe Smoke
  - N/A
  - All 37mm ARWEN® Compatible Weapon Systems

#### SHIPPING INFORMATION

- **UN Number**
- **Proper Shipping Name** 
  - Hazard Class
- Labels Required
- Quantity Per Package
- Total Package Weight >
- Package Type
- Package Dimensions
- US DoT Ref. No.

- UN0303
- Ammunition, Smoke 1.4G (8) Explosive, 1.4G; Corrosive
- Box:12 Cartridges (2-4 boxes in master box) Drum: 75 Cartridges in metal drum Box: 2.27kg (12 Cartridges) Drum: 14.9kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.)
- EX2016040329

POC\_SPEC\_AR-4-B

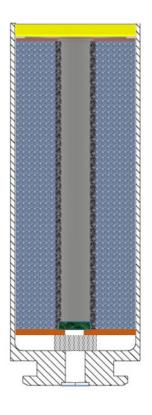
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### Product Specification Sheet

Revision G 2016-09-08

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

#### AR-4-B ARWEN<sup>®</sup> Pyrotechnic Blue Smoke, Standard Energy



#### **PHYSICAL & OPERATIONAL**

- Model No.
- > Description
- > Caliber

 $\triangleright$ 

- > Cartridge Type
- > Cartridge Material
- > Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Material
- > Projectile Weight
- > Net Explosive Quantity
- Muzzle Velocity
- Range
- > Discharge Time
- > Irritant Agent
- > Net Irritant Agent
- Compatibility

## ARWEN<sup>®</sup> Pyrotechnic Blue Smoke, Standard Energy

- 37mm ARWEN®
- Rebated Cartridge Case
- Aluminum, Black Anodized
- 40mm

AR-4-B

- 110mm
- 173g +-2g
  - Aluminum Canister containing Pyrotechnic compound
- 102g +-1g

UN0303

1.4G (8)

2.3g

50~75m depending on Barrel Angle 2.5 ~ 3 minutes N/A Safe Smoke N/A All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems

#### SHIPPING INFORMATION

Explosive, 1.4G; Corrosive

Drum: 14.9kg (75 cartridges)

Box: 16x24x19.5 cm (12 Cartridges)

meeting UN Specifications

Drum 35cm x 31cm (5 gal.)

Drum: 75 Cartridges Box: 2.27kg (12 Cartridges)

EX2016040329

Box: 12 Cartridges (2-4 boxes in master box)

Fiberboard Boxes or Metal Drum with Lever Lock Lid

- > UN Number
- Proper Shipping Name Ammunition, Smoke
- Hazard Class
- > Labels Required
- Quantity Per Package
- Total Package Weight
- > Package Type
- > Package Dimensions
- > US DoT Ref. No.
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POC\_SPEC\_AR-5-OC

### Product Specification Sheet

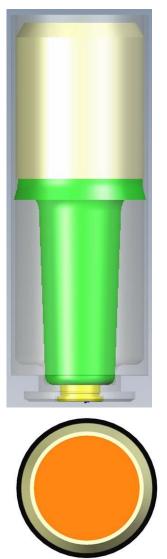
Revision G 2016-08-26

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

### AR-5-OC

### **ARWEN® Barricade Penetrating, Standard Energy OC Irritant, Powder**



#### **PHYSICAL & OPERATIONAL**

Rebated Cartridge Case

Aluminum, Black Anodized

ARWEN® Barricade Penetrating,

Standard Energy OC Irritant, Powder

AR-5-OC

40mm

110mm

123g ±2g

56g ±1g

139m/s (456 fps)

1.3g

80m

 $6 \pm 1g$ 

37mm ARWEN®

- Model No.
- Description
- Caliber
- > Cartridge Type
- > Cartridge Material
- > Outside Diameter
- > Overall Height
- > Overall Weight
- > Projectile Material
- Projectile Weight
- Net Explosive Quantity
- > Muzzle Velocity
- > Range
- Discharge Time
- Irritant Agent
- > Net Irritant Agent
- Compatibility
- All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems

OC Blend - 10% OC (oleoresin capsicum)

Composite Plastic with Orange Frangible Disk

#### SHIPPING INFORMATION

Instantaneous, Upon Impact

- UN Number
- > Proper Shipping Name
  - Hazard Class
- > Labels Required
- > Quantity Per Package
- > Total Package Weight
- > Package Type
- > Package Dimensions
- US DoT Ref. No.

- UN0301 Ammunition, Tear Producing
- 1.4G (6.1) (8)
- Explosive, 1.4G; Toxic, Corrosive
- Box: 12 Cartridges (2-4 boxes in master box)
- Drum: 75 Cartridges
- Box: 1.93kg (12 Cartridges)
- Drum: 11.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid
- meeting UN Specifications
- Box: 16x24x19.5 cm (12 Cartridges)
- Drum 35cm x 31cm (5 gal.) EX2016040328
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POC SPEC AR-5-P

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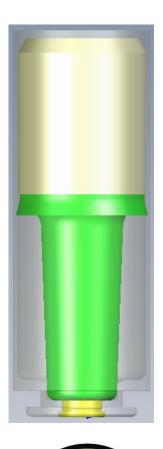
### **Product Specification Sheet**

Revision G 2016-08-23

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

#### **AR-5-P**

### **ARWEN®** Barricade Penetrating, Standard Energy Inert, Powder





- AR-5-P
  - ARWEN® Barricade Penetrating, Standard Energy Inert Powder - Practice 37mm ARWEN®
- Rebated Cartridge Case
- Aluminum, Black Anodized
- **Cartridge Material** 40mm

80m

N/A

UN0012

1.4S

- 110mm
- **Overall Weight** 123g ±2g
- **Projectile Material** 
  - Composite Plastic with Yellow Frangible Disc 56g ±1g

Instantaneous, Upon Impact

All 37mm ARWEN® Compatible Weapon Systems

Cartridges for Weapons, Inert Projectile

Box: 12 Cartridges (2-4 boxes in master box)

Fiberboard Boxes or Metal Drum with Lever Lock Lid

N/A - Inert Powder, 6 ±1g

139m/s (456 fps)

- **Projectile Weight** 1.3g
- Net Explosive Quantity  $\geq$  $\triangleright$
- **Muzzle Velocity**  $\geq$
- Range  $\triangleright$
- **Discharge Time**

Model No.

Caliber

 $\geq$ 

 $\geq$ 

 $\geq$  $\geq$ 

 $\geq$ 

 $\geq$ 

 $\geq$ 

Description

Cartridge Type

**Overall Height** 

**Outside Diameter** 

- Irritant Agent
- Net Irritant Agent
- Compatibility
- SHIPPING INFORMATION

Explosive, 1.4S

EX2016040326

Drum: 11.6kg (75 cartridges)

Box: 16x24x19.5 cm (12 Cartridges)

meeting UN Specifications

Drum 35cm x 31cm (5 gal.)

- **UN Number**
- **Proper Shipping Name**  $\triangleright$
- **Hazard Class** Labels Required
- Quantity Per Package
- Drum: 75 Cartridges Box: 1.93kg (12 Cartridges)
- Total Package Weight
- Package Type
- **Package Dimensions**
- US DoT Ref. No.
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POC SPEC AR-5-CS

### **Product Specification Sheet**

Revision G 2016-08-26

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

### AR-5-CS

### ARWEN® Barricade Penetrating, Standard Energy CS Irritant, Powder

Caliber

Range

 $\triangleright$ 

>

>

 $\triangleright$ 

>



#### PHYSICAL & OPERATIONAL Model No. AR-5-CS ARWEN<sup>®</sup> Barricade Penetrating, Description Standard Energy CS Irritant, Powder 37mm ARWEN® Cartridge Type Rebated Cartridge Case Cartridge Material Aluminum, Black Anodized **Outside Diameter** 40mm **Overall Height** 110mm **Overall Weight** 123g ±2g **Projectile Material** Composite Plastic with Blue Frangible Disc **Projectile Weight** 56g ±1g Net Explosive Quantity 1.3g **Muzzle Velocity** 139m/s (456 fps) 80m Discharge Time Instantaneous, Upon Impact Irritant Agent CS Dust (2-chlorobenzalmalononitrile) $CIC_6H_4CHO + H_2C(CN)_2 \rightarrow CIC_6H_4CHC(CN)_2 + H_2O$ Net Irritant Agent 6g ±1g Compatibility All 37mm ARWEN® Compatible Weapon Systems SHIPPING INFORMATION **UN Number** UN0301 Ammunition, Tear Producing 1.4G (6.1) (8)

**Proper Shipping Name** Hazard Class Explosive, 1.4G; Toxic, Corrosive Labels Required Box: 12 Cartridges (2-4 boxes in master box) **Quantity Per Package** Drum: 75 Cartridges Box: 1.93kg (12 Cartridges) Total Package Weight Drum: 11.6kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid Package Type meeting UN Specifications Package Dimensions Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) US DoT Ref. No. EX2016040328

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 $\geq$ 

>

Description

Cartridge Type

**Overall Weight** 

**Projectile Weight** 

Kinetic Energy at

**Projectile Color** 

Net Explosive

Compatibility

Irritant Agent

Waterproof

Net Irritant Agent

Quantity Muzzle Velocity

Muzzle

Range

Caliber

Cartridge

Material Outside

Diameter **Overall Height** 

POC	SPEC	AR-6-OC
,		/

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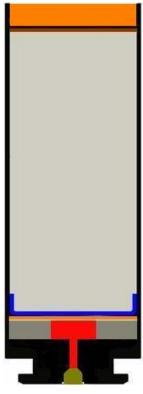
### Product Specification Sheet

Revision G 2016-08-26

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

#### AR-6-OC

### **ARWEN<sup>®</sup> Muzzle Blast – OC Irritant Powder**



- PHYSICAL & OPERATIONAL
- Model No.
- AR-6-OC ARWEN® Muzzle Blast - OC Irritant Powder 37mm ARWEN®
- Rebated Cartridge Case
- Aluminum, Black Anodized

40mm

110mm

- 110g ± 21g 50g ± 2g Powder
- White Powder
- 1.4g
- N/A
- N/A

0~15m

All 37mm ARWEN® Compatible Weapon Systems

OC Blend - 10% OC (oleoresin capsicum)

30 a

Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- **UN Number** 
  - **Proper Shipping** Name
  - Hazard Class
  - Labels Required
  - **Quantity Per** Package Total Package
  - Weight
  - Package Type
  - Package
  - Dimensions US DoT Ref. No.

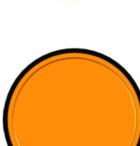
UN0301

Ammunition, Tear Producing

1.4G (6.1) (8)

Explosive, 1.4G; Toxic, Corrosive

Box:12 Cartridges (2-4 boxes in master box) Drum: 75 Cartridges in metal drum Box: 2.15kg (12 Cartridges) Drum: 11.5kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328



### AR-6-CS ARWEN<sup>®</sup> Muzzle Blast – CS Irritant Powder

#### **PHYSICAL & OPERATIONAL**



- > Model No.
- > Description
- > Caliber
- Cartridge Type
   Cartridge
- Material

   Outside
   Diameter
- Overall Height
- Overall Weight
- > Projectile Weight
- > Projectile Color
- Net Explosive Quantity
- > Muzzle Velocity
- Kinetic Energy at Muzzle
- Range
- Compatibility
- Irritant Agent
- $\succ$

 $\triangleright$ 

- > Net Irritant Agent
- > Waterproof

AR-6-CS ARWEN<sup>®</sup> Muzzle Blast – CS Irritant Powder 37mm ARWEN<sup>®</sup> Rebated Cartridge Case Aluminum, Black Anodized

40mm

110mm 110g ± 21g 50g ± 2g Powder White Powder

1.4g

N/A

N/A

0~15m

All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems *CS Dust* (2-chlorobenzalmalononitrile) C1C6H4CH0+ H2C (CN) 2→C1C6H4CHC (CN) 2 + H2O

30 g

Lacquer coated primer, and sealed propellant cartridge

### SHIPPING INFORMATION

- UN Number
- Proper Shipping Name
- Hazard Class
- Labels Required
- Quantity Per Package
- Total Package Weight
- Package Type
- Package Dimensions
- US DoT Ref. No.

UN0301

Ammunition, Tear Producing

1.4G (6.1) (8)

Explosive, 1.4G; Toxic, Corrosive

Box:12 Cartridges (2-4 boxes in master box) Drum: 75 Cartridges in metal drum Box: 2.15kg (12 Cartridges) Drum: 11.5kg (75 cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x24x19.5 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040328

POC\_SPEC\_AR-PC-SE

#### Product Specification Sheet

Revision G 2016-09-15

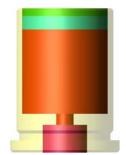
All specifications are average and are subject to change without notice.

#### AR-PC-SE

### .44 ARWEN® Propellant Charge, Standard Energy

#### PHYSICAL & OPERATIONAL





- Model No.Description
- Caliber
- Cartridge Type
- Cartridge Material
- > Outside
- Diameter

   Overall Height
- > Weight
- Color CodeNet Explosive
- Quantity ➤ Muzzle Velocity
- Kinetic Energy at
- Muzzle
- Range
- Compatibility
- > Waterproof

AR-PC-SE

.44 ARWEN<sup>®</sup> Propellant Charge, Standard Energy

- .44 ARWEN®
- .44 ARWEN® Cartridge

Brass

11.18mm

16.76mm

6g ± 1g Bright Green painted Wad

0.61g

74m/s (242fps) Average – ARWEN 37 Barrel 219J (158ft-lbf) for AR-1 Training Impact Baton

100m for AR-1 Training Impact Baton All 37mm ARWEN<sup>®</sup> Compatible Weapon Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- > UN Number
- Proper Shipping Name
- > Hazard Class
- Labels Required
- Quantity Per Package
- Total Package Weight
- > Package Type
- Package Dimensions
- > US DoT Ref. No.

UN0014 Cartridges for Weapons, Blank

1.4S

Explosive, 1.4S

50 Cartridges per Box 1,500 Cartridges in metal drum Box: 0.34kg (50 Cartridges) Drum: 12.7kg (1,500 Cartridges) Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x9x3 cm (50 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040327

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POC\_SPEC\_AR-PC-RE

#### Product Specification Sheet All specifications are average and are subject to change without notice. **AR-PC-RE**

Revision G 2016-09-15

### .44 ARWEN<sup>®</sup> Propellant Charge, Reduced Energy

#### PHYSICAL & OPERATIONAL





- > Model No.
- Description
- > Caliber
- > Cartridge Type
- Cartridge
- Material ≻ Outside
- Diameter ➤ Overall Height
- Weight
   Color Coo
- Color CodeNet Explosive
- Quantity ➤ Muzzle Velocity
- Kinetic Energy at Muzzle
- Range
- > Compatibility
- > Waterproof

- AR-PC-RE
- .44 ARWEN<sup>®</sup> Propellant Charge, Reduced
- Energy .44 ARWEN<sup>®</sup>
- .44 ARWEN<sup>®</sup> Cartridge
- Brass
- 11.18mm
- 16.76mm
- 6g ± 1g Black painted Wad
- 0.41g
- 50m/s (164fps) Average ARWEN 37 Barrel 100J (74ft-lbf) for AR-1 Training Impact Baton
- 50m for AR-1 Training Impact Baton All 37mm ARWEN<sup>®</sup> Compatible Weapon
- Systems Lacquer coated primer, and sealed propellant cartridge

#### SHIPPING INFORMATION

- > UN Number
- Proper Shipping Name
- Hazard Class
- Labels Required
- Quantity Per Package
- Total Package
   Weight
- > Package Type
- Package
   Dimensions
- > US DoT Ref. No.

UN0014 Cartridges for Weapons, Blank

1.4S

Explosive, 1.4S

50 Cartridges per Box 1,500 Cartridges in metal drum Box: 0.34kg (50 Cartridges) Drum: 12.7kg (1,500 Cartridges Fiberboard Boxes or Metal Drum with Lever Lock Lid meeting UN Specifications Box: 16x9x3 cm (12 Cartridges) Drum 35cm x 31cm (5 gal.) EX2016040327

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Should additional information or support be required contact:

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