



BolaWrap 100

Training Course





LEARNING OBJECTIVES

1. Device Description
2. Safety
3. Components
4. Manipulations
5. Deployment Considerations
6. Use of Force Considerations
7. Post Deployment Considerations
8. Practical Exercises / Testing



DEVICE DESCRIPTION

- The BolaWrap 100 is a **less lethal** handheld device which through the use of a **9mm blank** round, projects an **eight foot Kevlar cord** that has a **360 pound test strength**, at the velocity of **640 feet per second**.
- At each end of the cord is a pellet with 4 hooks which are designed to attach to a suspect's clothing and temporarily immobilize them without pain compliance.
- Gives law enforcement officers the ability to restrain and apprehend subjects with very little use of force.



FIREARM DEFINITION

The BolaWrap 100 is defined as a firearm under 26 U.S.C. § 5845 (e):

- For the purposes of the National Firearms Act, the term “Any Other Weapon” means:
- Any weapon or device capable of being concealed on the person from which a shot can be discharged through the energy of an explosive...

18 U.S. Code § 921 – Definitions

- (3) The term “firearm” means (A) any weapon (including a starter gun) which will or is designed to or may readily be converted to expel a projectile by the action of an explosive...



FIREARMS SAFETY

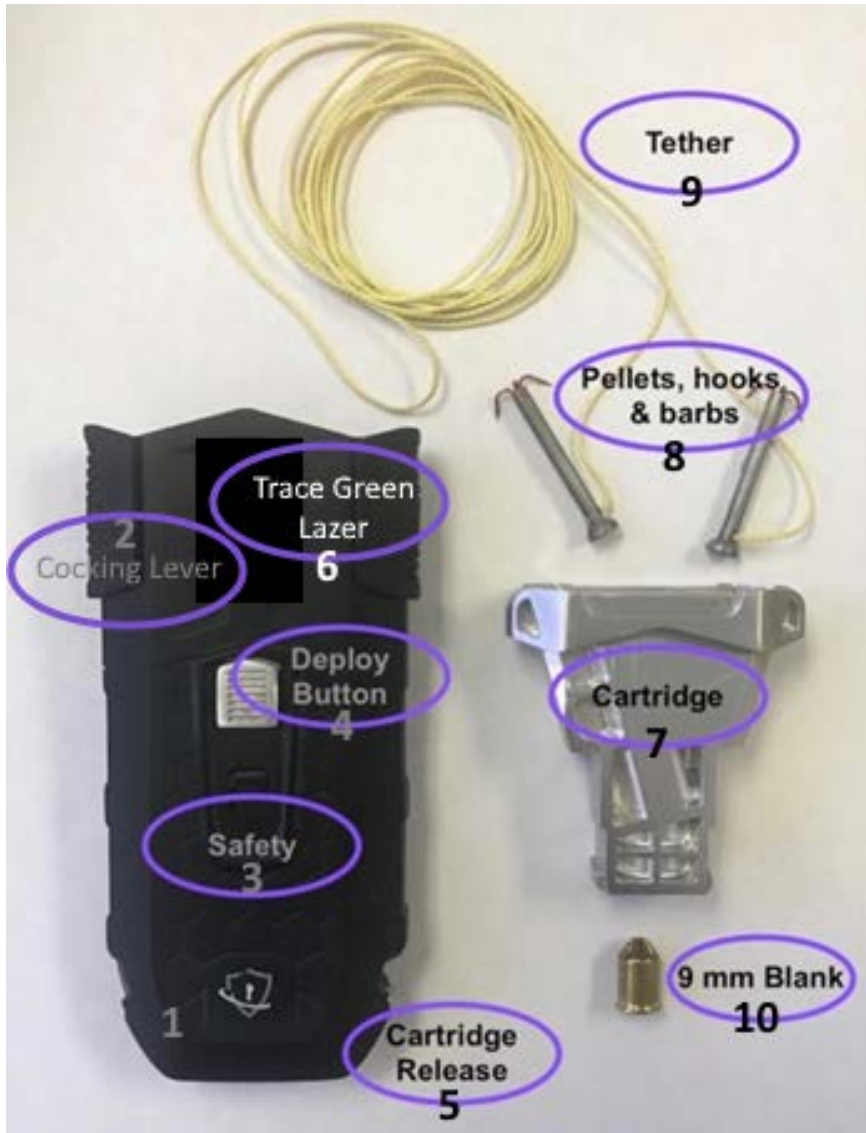
Because the BolaWrap 100 is classified as a firearm and shoots a projectile which has the potential of causing injury if not used properly, all firearms rules shall apply during training and deployment.

1. Treat all firearms as if they are loaded.
2. Never let the muzzle cover anything you are not willing to destroy.
3. Keep your finger off the trigger until you have made the decision to shoot.
4. Be sure of your target, the backstop and beyond.

*Properly secure and store the BolaWrap device.



COMPONENTS



1. Bola Wrap 100 Device
2. Cocking lever
3. Safety
4. Activation Button/Trigger
5. Cartridge Release Lever
6. Crimson Trace green laser
7. Device Cartridge
8. Pellet/Barbs (4 prong)
9. 8' Kevlar cord (360lbs test)
10. 9mm blank cartridge

MANIPULATIONS - LOADING



- To load the device make sure the Safety is engaged, hold the cartridge on the outside edges, push it into the front of the device until it clicks.
- Gently pull the cartridge to make sure it seated properly.
 - *Always keep the device pointed in a safe direction and do not cover the front of the cartridge with any part of your body, including fingers and hands.*



MANIPULATIONS – COCKING LEVER



- Pulling the Cocking Lever toward the rear of the device will prepare it to fire.
- ***Make sure safety is off when manipulating**
- Optional techniques for hand strength considerations.

MANIPULATIONS – DEVICE SAFETY



- The device will not fire while the Safety is Engaged.
- The Safety is engaged in the forward position.
- Pulling the Safety toward the rear disengages it. There will be a RED mark on the Safety when it is disengaged.
- When safety is disengaged, laser is activated and device will vibrate.

MANIPULATIONS – LASER ACTIVATION



- The Crimson Trace green laser is turned on/off by sliding the safety switch.
- Laser safety – use of force considerations for laser flashing (Do NOT point the laser at the eyes).
- Activated laser – suspect escalation/de-escalation.
- Laser is a horizontal beam.
- When the Laser blinks, indicates low battery.

MANIPULATIONS – UNLOADING/CLEARING



- Ensure safety is on.
- Point in a safe direction
- Move the cartridge release lever toward the rear.
- Grasp the cartridge by the edges and pull it from the device.
 - *Always keep the unit pointed in a safe direction and do not cover the front of the cartridge with any part of your body, including fingers and hand.*
- **DECOCKING** - If the device as been cocked, it **MUST** be decocked. Point in a safe direction with the cartridge removed, take safety off, and press the activation button/trigger to decock the device.

MANIPULATIONS - DEPLOYING DEVICE

- It is recommend that the device is carried in a “patrol ready” configuration. Cartridge inserted, device on safe, but not cocked.
- Push the safety button forward to disengage the Safety then cock the weapon.
- ***It is important to cock the weapon ONLY when the safety is off.**
- Ensure the device is being held **horizontal** to the ground.
- Activate the laser.
- Press the activation button/trigger firmly until the device discharges.
- Have an arrest/detainment person/team take the subject into custody.



MANIPULATIONS – PRE-SHIFT INSPECTION

1. Make sure safety is on and laser is not active.
2. Remove cartridge and visually make sure its clear.
3. Visually and physically inspect the chamber to clear out any debris or obstructions.
4. Take off safe, charge the device.
5. With the safety on test to make sure the trigger is locked.
6. Take off the safety and depress the trigger.
7. Safety on, and place a live cartridge in the device.



DEPLOYMENT AIMING POINTS

- The preferred target areas:
 - The knees and below
 - The forearms
- Keep the device parallel to the ground and as low as possible.
- If the opportunity presents itself, it is possible to Wrap an individual's arms.
- Never aim/deploy the device above the elbow.
 - Always be aware of how high on the body you are aiming, hitting the face or neck can cause severe injury or death.



DEPLOYMENT DISTANCE

- Minimum effective range: 10 feet
 - A range less than 10 feet does not allow the Wrap to fully deploy and doing so can cause the pellet to detach or strike the target directly, possibly causing serious injury or death.
- Optimal effective range: 12-18 feet
- Maximum effective range: 20 feet
 - Beyond 20 feet energy will dissipate and the BolaWrap will become ineffective.



DEPLOYMENT TACTICS

- Communications - when the device is fired there is a loud bang similar to a gun shot. Before deploying, notification should be made to all partners and/or those responding that the BolaWrap is being deployed.
- Planning - The BolaWrap provides for temporary immobilization, have an arrest/detainment plan.
- Because the low level of force, several devices can be deployed continuously or simultaneously.
- Like other law enforcement tools, the BolaWrap may not work every time it is deployed. Have a back up plan; secondary or multiple BolaWraps, other less-lethal tools, designated marksman, etc.



DEPLOYMENT SUBJECTS

The BolaWrap is most effective in some of the following situations:

- Emotionally Disturbed Persons (EDP)
- Passively non-compliant subjects.
- Mildly aggressive non-compliant subjects.
- Mentally ill subjects.
- Suicidal subjects.
- Persons in crises.
- Armed with an object, non-assaultive, non-compliant, non-mobile.



DEPLOYMENT CAUTIONS AND WARNINGS

- Do not use BolaWrap if there is danger of the subject falling from an **elevated position**; standing on top of a car, stairs, roof, boxes, etc. Plan on subject falling.
- Do not use BolaWrap 100 in **crowded situations**, because of the 8' cord there is possibility of the pellet hitting a bystander.
- Ensure subject/suspect has at least a **4' clear area** around him to ensure the Wrap can encircle and be effective.
- Never aim **above the elbow** area. Hitting the face or neck can cause severe injury or death.
- Always make sure the **device is horizontal** when you fire. Holding the device in a vertical configuration can cause the pellets to strike the subject, causing possible injury or death.



USE OF FORCE CONSIDERATIONS

- BolaWrap is a **Restraining tool** that impedes mobility.
- **Does not rely on pain** to restrain or gain compliance.
- If used as intended is low on the standard Use of Force Continuum.
- Reduces the amount of force need to gain compliance.
- **Can be used much earlier** in Use of Force situations, increasing the possibility of a favorable outcome.
- Because there is no pain compliance the device can be used much earlier, de-escalating potentially volatile situations.
- May be viewed much more favorably by the general public and community.



REMOVING PELETS/CORD CONSIDERATIONS

- Only attempt to remove the tether when the subject is under control and it is safe to do so.
- Use medical scissors to cut the Kevlar tether away from the pellets.
- Remove the pellets from the subjects clothing. If needed use the medical scissors to cut the subjects clothing to facilitate pellet removal.
- If the pellet barbs are in the subjects skin Wrap Technologies recommends having pellets removed by medical personnel.



SUBJECT INJURY CONSIDERATIONS

- Immediately obtain **medical assistance** per agency policy.
- Notify **supervisor** per agency policy.
- Dispose of or maintain for evidence all possible **bio hazard** material in accordance with bio hazard safe handling practices and agency policy.



DOCUMENTING PROCEDURES

Document all BolaWrap 100 usage per agency policy including:

- BolaWrap 100 device and cartridges have **serial numbers**.
- Justification for deployment.
- Number of BolaWrap cartridges fired.
- Effectiveness of BolaWrap.
- Any injuries caused by the BolaWrap 100.
- Document and place all appropriate items into evidence per agency policy.



Questions / Comments



Written Test



LIVE FIRE PRACTICAL EXERCISE

The Student will demonstrate proficient handling and usage.

- Demonstrate proper safe handling techniques.
- Demonstrate the ability to load, cock, unload, decock, and fire the device.
- Demonstrate the ability to effectively aim the device.
- Effectively fire the device at a mannequin and person.
- View the ineffective use of the Bolawrap; distance, angle, movement.
- Student must experience being “wrapped.”
- Scenario/team deployment.
- Effectiveness of deploying on moving suspects.

