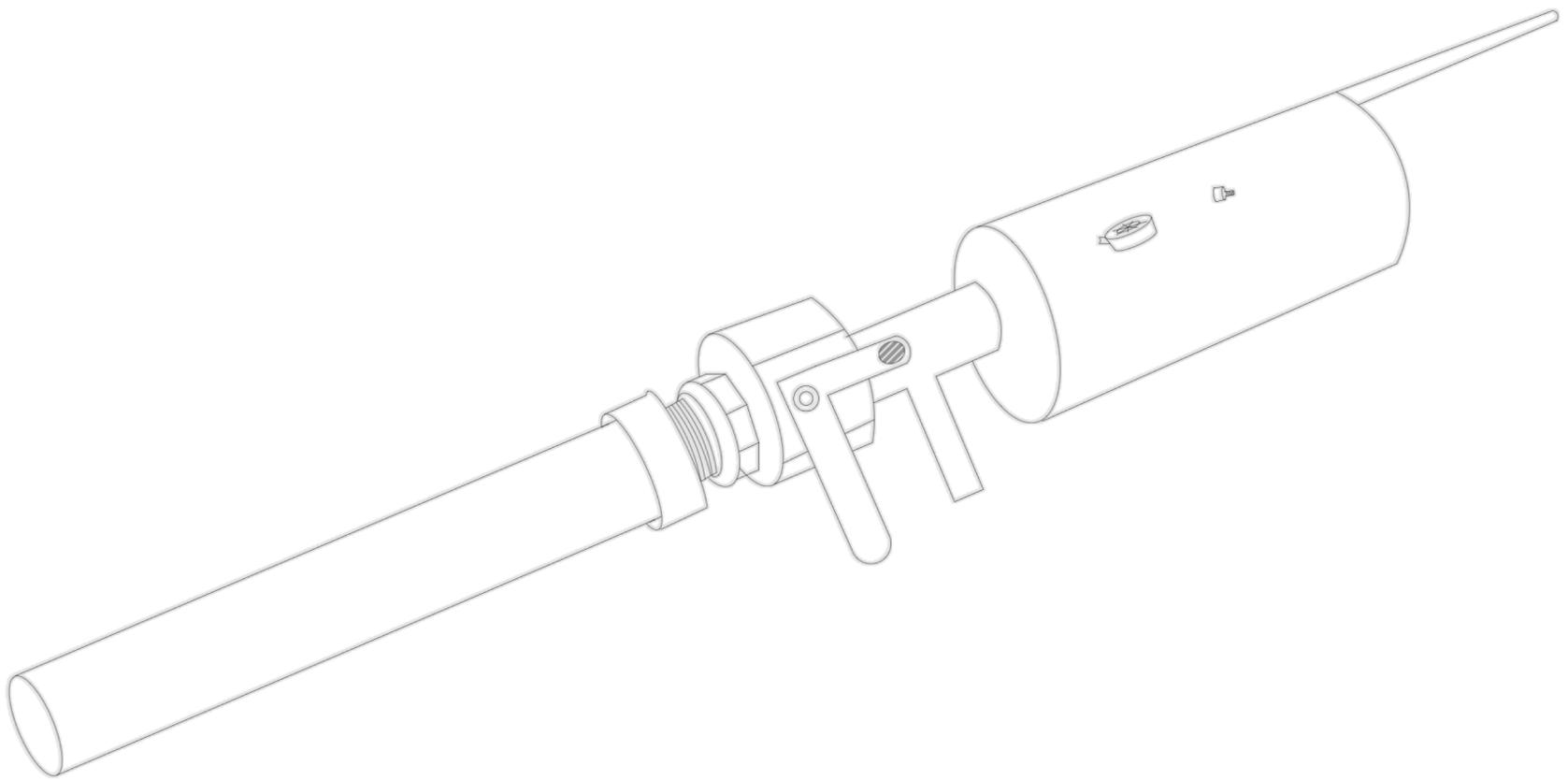




INSTRUCTION MANUAL

SHOULDER SHOT



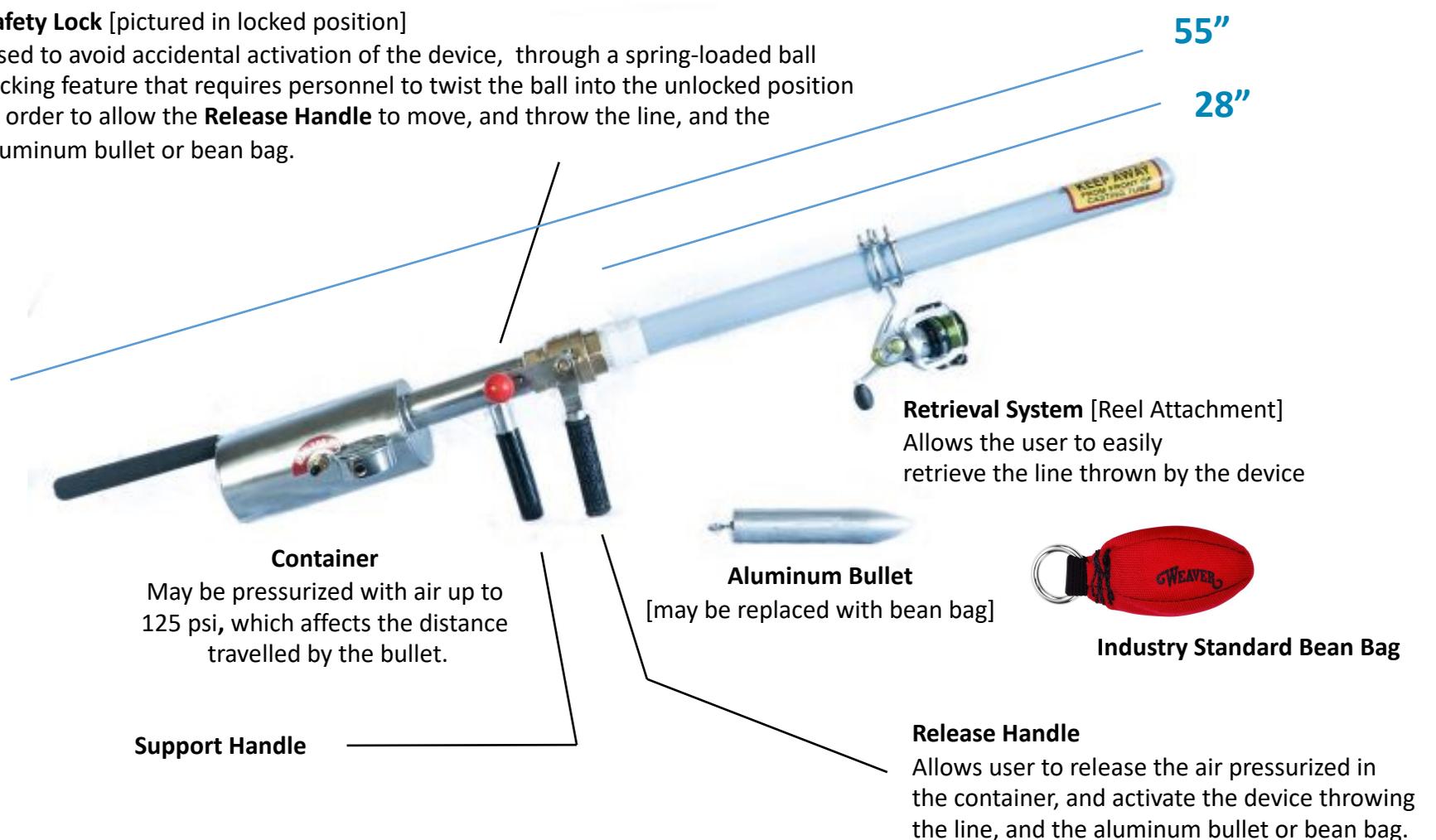


INSTRUCTION MANUAL

SHOULDER SHOT

Safety Lock [pictured in locked position]

Used to avoid accidental activation of the device, through a spring-loaded ball locking feature that requires personnel to twist the ball into the unlocked position in order to allow the **Release Handle** to move, and throw the line, and the aluminum bullet or bean bag.





INSTRUCTION MANUAL

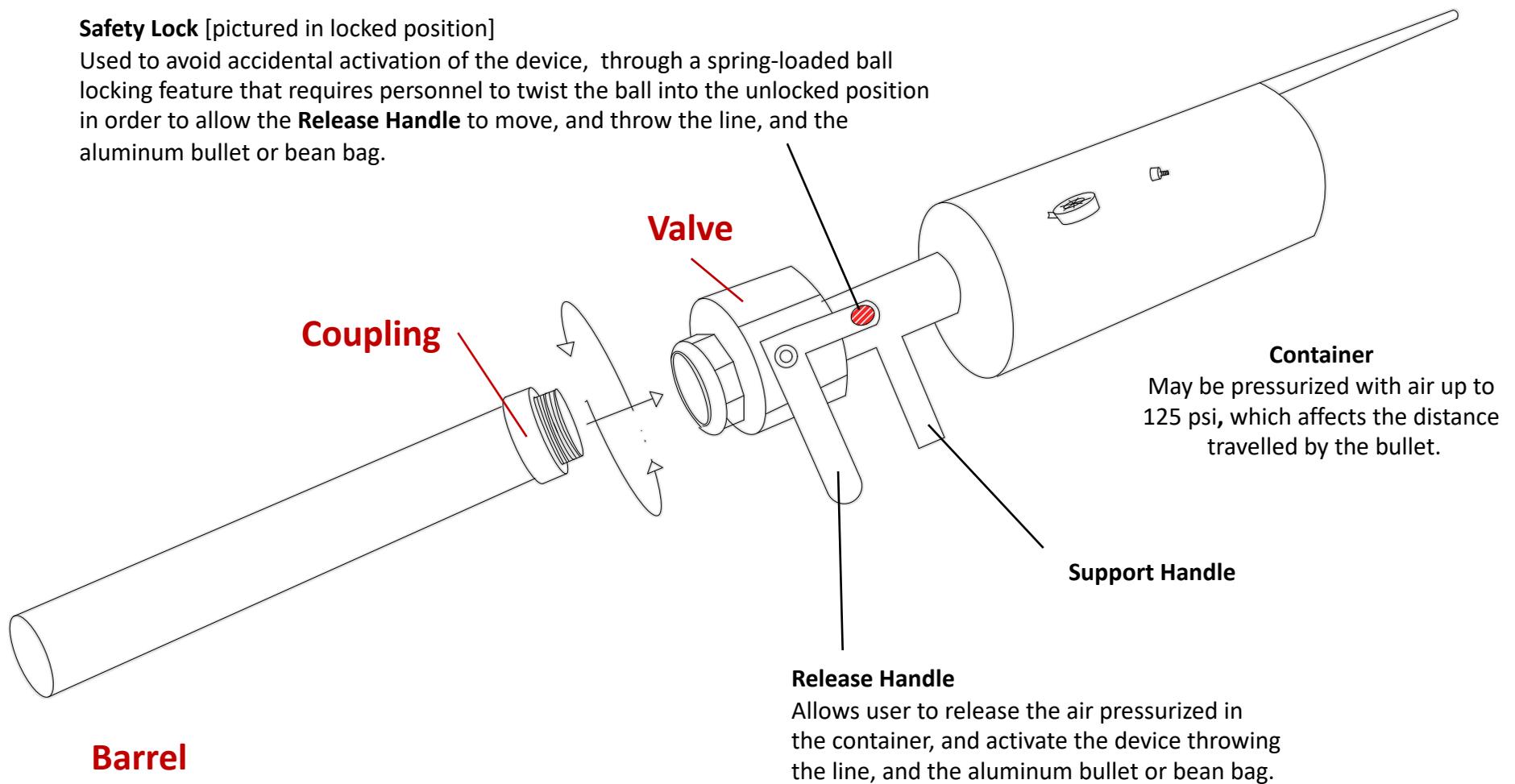
SHOULDER SHOT

STEP 1

The clear PVC barrel is connected to the device by screwing the white coupling connected to the PVC barrel to the valve.

Safety Lock [pictured in locked position]

Used to avoid accidental activation of the device, through a spring-loaded ball locking feature that requires personnel to twist the ball into the unlocked position in order to allow the **Release Handle** to move, and throw the line, and the aluminum bullet or bean bag.





INSTRUCTION MANUAL

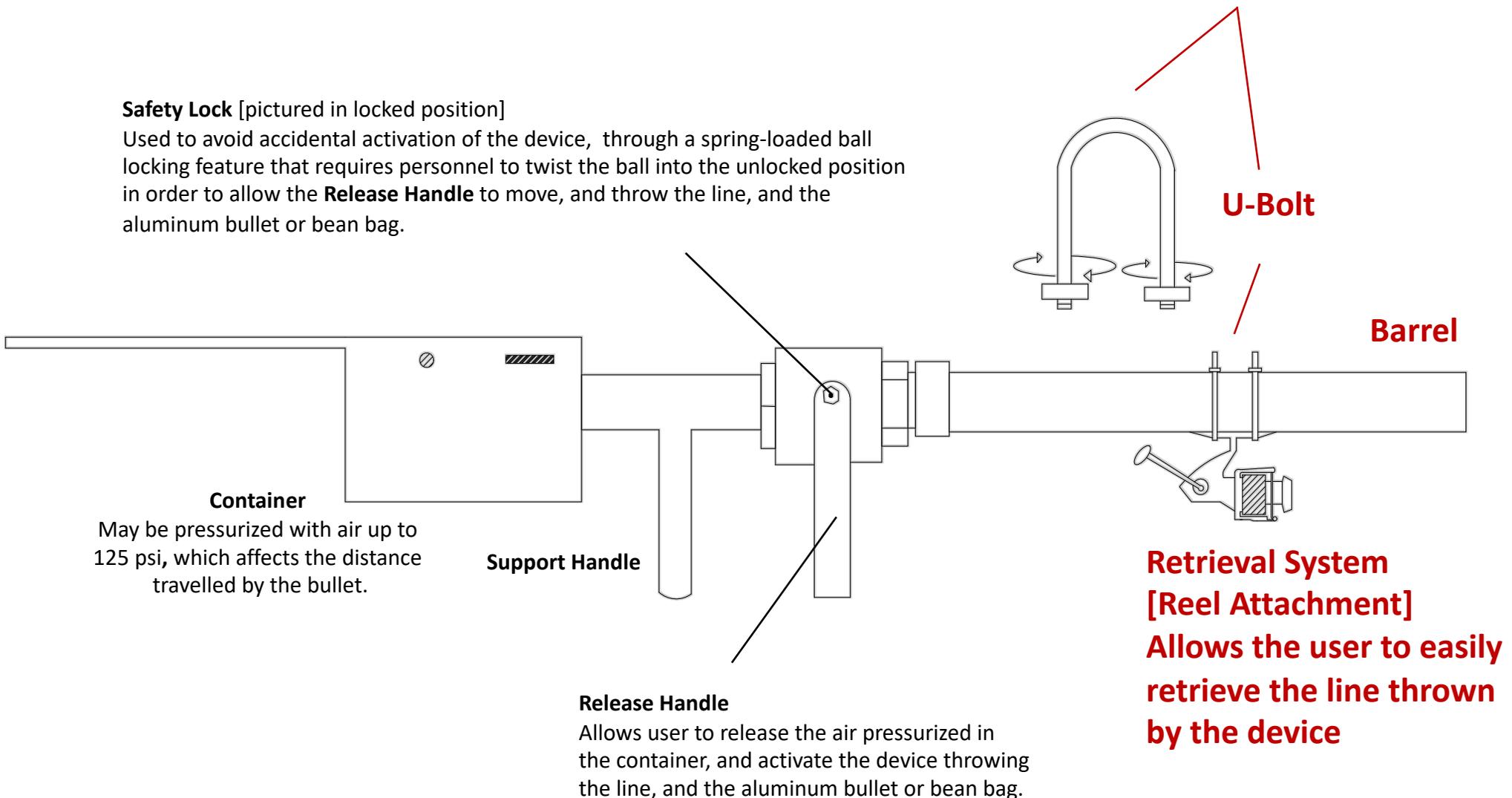
SHOULDER SHOT

STEP 2

The retrieval system is attached to the clear PVC barrel, as depicted the retrieval system is a reel attachment. The reel is attached via a U-Bolt to ensure the reel is firmly attached to the barrel, but also remains removable to facilitate part replacement in the event that the reel becomes ineffective, breaks, or the personnel desires using a different (or larger) reel attachment.

Safety Lock [pictured in locked position]

Used to avoid accidental activation of the device, through a spring-loaded ball locking feature that requires personnel to twist the ball into the unlocked position in order to allow the **Release Handle** to move, and throw the line, and the aluminum bullet or bean bag.



Container
May be pressurized with air up to 125 psi, which affects the distance travelled by the bullet.

Support Handle

Release Handle

Allows user to release the air pressurized in the container, and activate the device throwing the line, and the aluminum bullet or bean bag.

U-Bolt

Barrel

Retrieval System [Reel Attachment]
Allows the user to easily retrieve the line thrown by the device



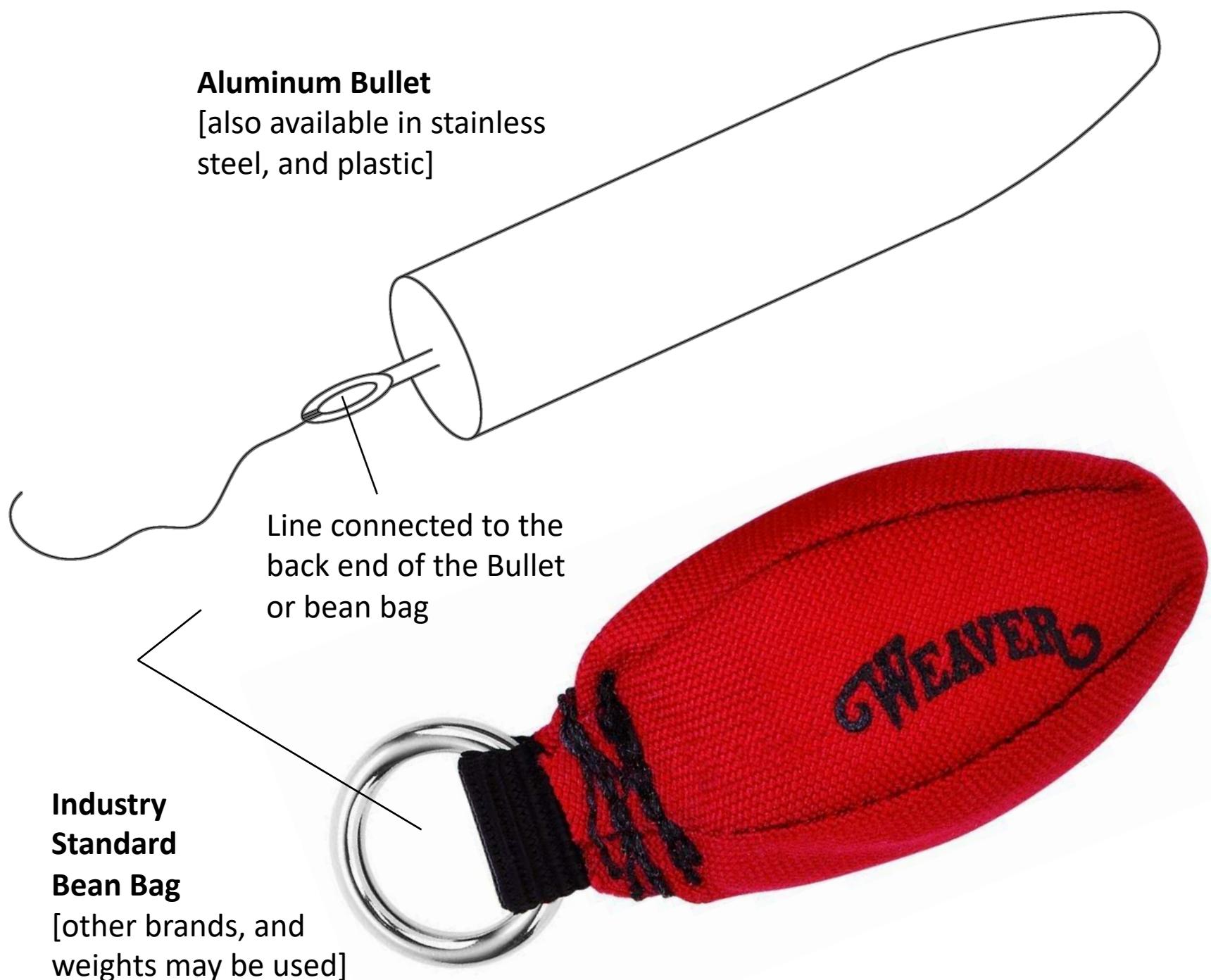
INSTRUCTION MANUAL

SHOULDER SHOT

STEP 3

The aluminum bullet is used to reach higher, or longer distances (greater than 200 feet), whereas the industry standard bean bag is used for distances of up to 200 feet.

The line is connected to the retrieval system [reel attachment], and now **MUST** be connected to the back end of the aluminum bullet, or bean bag. Make sure the line is **FIRMLY** secured to the bullet or bean bag.





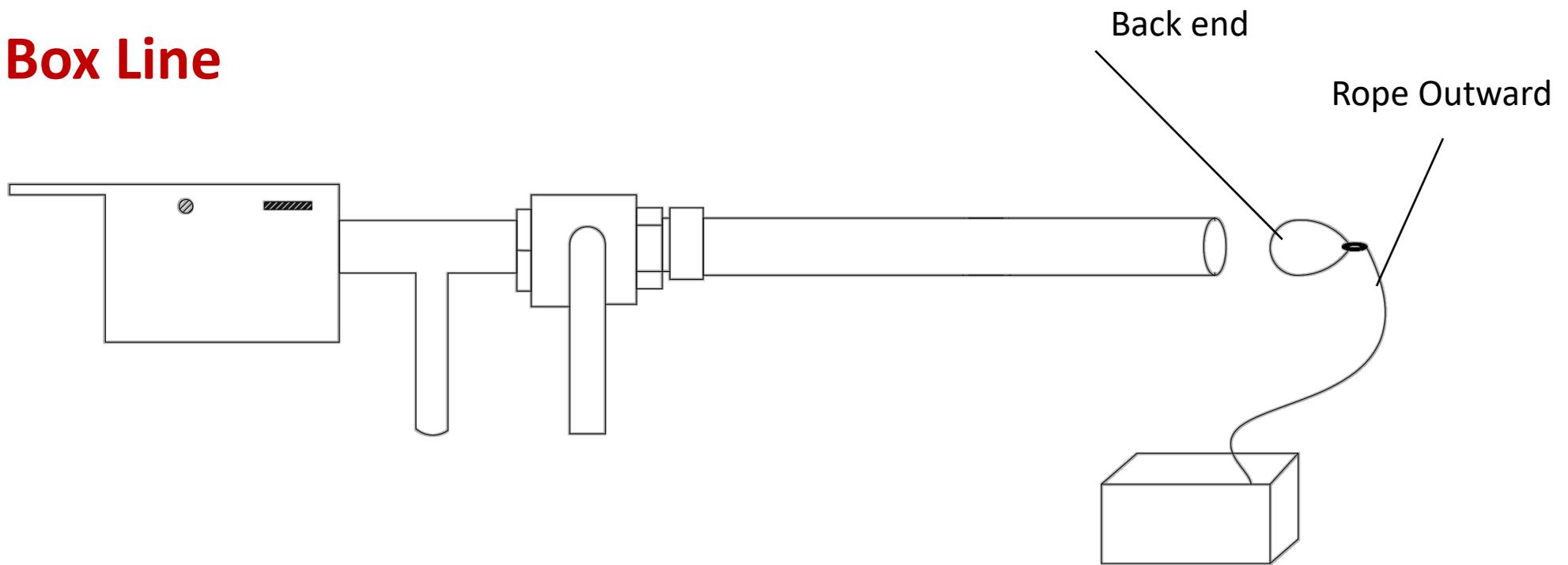
INSTRUCTION MANUAL

SHOULDER SHOT

STEP 3 Continued...

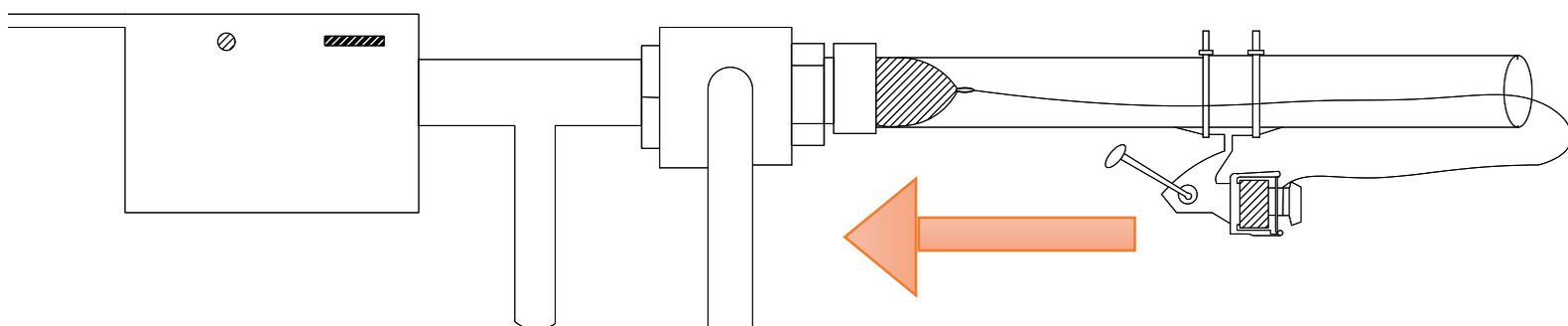
Insert bean bag back end first, rope outward.

Box Line



Check to make sure the rope has no knots or tangles.

Reel Attachment



Insert bean bag back end first, rope outward. Push bean bag down tightly into the barrel.

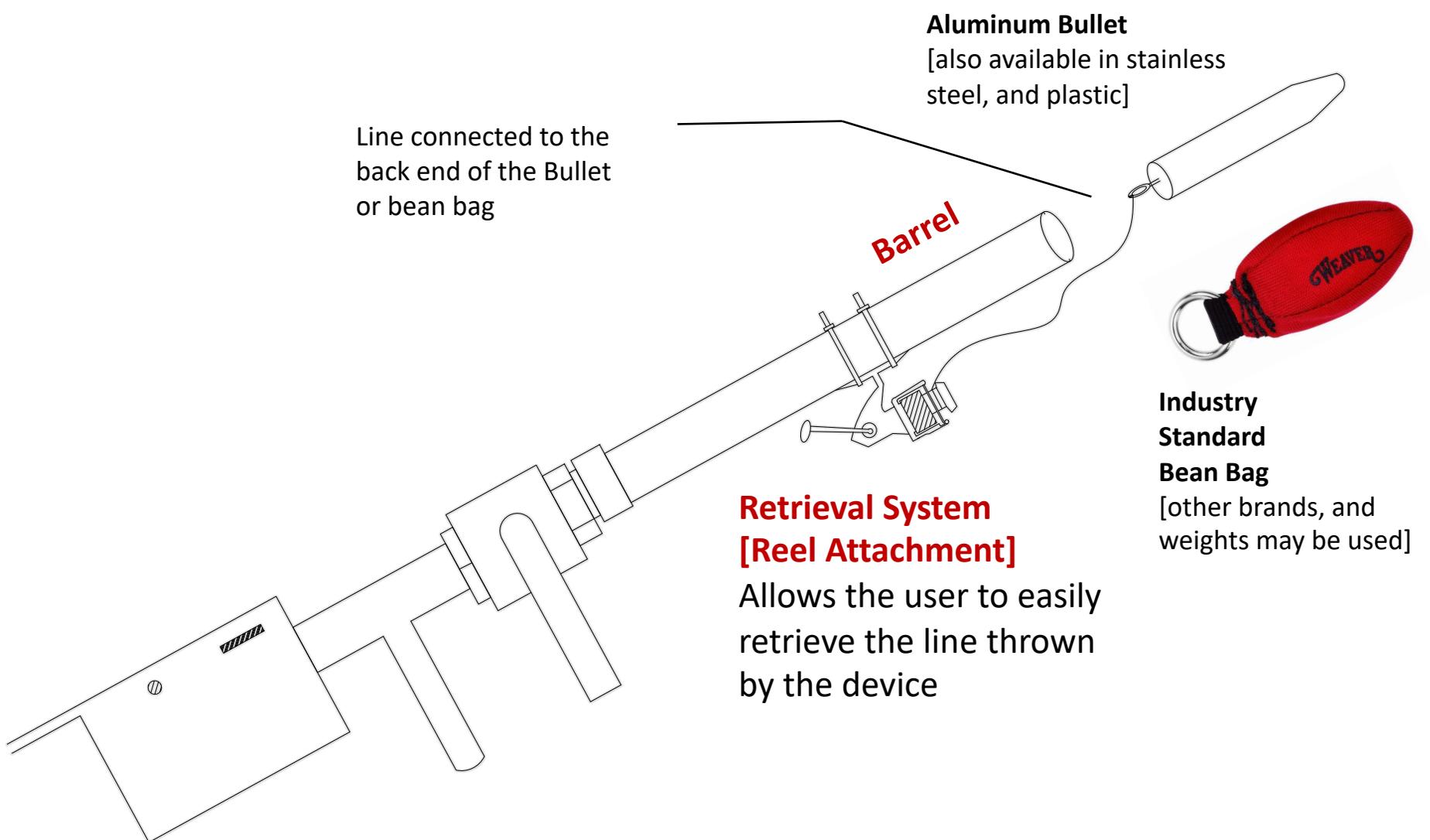


INSTRUCTION MANUAL

SHOULDER SHOT

STEP 4

The aluminum bullet or bean bag, connected via the line to the retrieval system [reel attachment], is inserted back end first into the clear PVC barrel.



STEP 5

The container prior to assembly, or after is filled with compressed air by an air compressor, or CO2 tank up to 125 psi depending on the distance you want the bullet or bean bag to travel.

Personnel opens the bail of the reel on the reel attachment, and aims the device at the desired target



INSTRUCTION MANUAL

SHOULDER SHOT

PSI TO VERTICAL DISTANCE CHART

With Reel Attachment:

PSI	ALUMINUM BULLET	INDUSTRY STANDARD BEAN BAG
	Vertical Distance in feet	Vertical Distance in feet
25	40	25
50	75	50
75	150	100
100	200	175
125	250	200

Attached to Rope:

PSI	INDUSTRY STANDARD BEAN BAG
	Vertical Distance In feet
100	100



INSTRUCTION MANUAL

SHOULDER SHOT

SAFETY CHECKLIST

1. Make sure the Shoulder Shot Tree Toppler assembled correctly
2. Have crew discussion about use and clearance points, and the direction of launch
3. Make sure crew is aware of surroundings, and has properly signaled that the device is about to be activated
4. Refer to distance chart for correct device activation protocol, and psi levels
5. Inspect Bullet/Bean Bag for damage or dirt, and clean as necessary
6. Inspect reel for any sign of damage
7. Tie, and check knot attaching the Bullet/Bean Bag to the reel attachment
8. Be certain at this point that the spring-loaded locking feature is in the locked position
9. Insert the Bullet/Bean bag back end first (string end first) into the clear PVC barrel
10. Be sure the Bullet/Bean bag has slid down the entire length of the barrel
11. Verbally announce preparation for activating the device
12. Set the Tree Toppler firmly, and comfortably on the shoulder of the personnel activating the device
13. Check for clearance of the desired target, and reel attachment bail has been opened
14. Move the spring-loaded locking feature to the unlocked position
15. Hold firmly, engage the release handle, and fire the Shoulder Shot Tree Toppler