



**The TBL/SML Series of Launchers
Users Manual
and
Maintenance Guide**

**Top Break 37mm Munitions
Launchers**

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Bates & Dittus Warrantee

Bates & Dittus warrants all launchers that we sell. If any product fails through normal usage using commercially available ammunition, it will be repaired or replaced at our sole discretion.

This warrantee does not cover misuse or use for applications for which our launchers were not intended. This warrantee does not cover normal wear and tear. This warrantee is null and void in the event that any non-commercial ammunition is used.

Please contact us for instructions for return.

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Description and Specifications TBL/SML Series of 37mm Launchers

The TBL and SML models are 37mm launchers made to the highest standards of American workmanship. Constructed of 6061 aircraft grade aluminum and 4140 hardened steel, they are rugged while maintaining a reasonable weight. The standard finish is matte black.

Based on the proven design of the Viet Nam era M-70 grenade launcher, the TBL-37 advanced it to new levels. Replacing the heavy wooden stocks with modern tactical black poly was the beginning. We added a full barrel length Picatinny rail on the top and a short rail under the muzzle. These allow the owner to interchange tactical accessory thus providing the ultimate in flexibility. We have also replaced the old flip up sight with a state of the art laser red/green dot sight as standard equipment. This can, of course, be interchanged with any other sight or scope that mounts on a Picatinny Rail.

While we use strong 6061 aircraft grade aluminum for the barrel and receiver, where additional strength is required 4140 hardened steel is used. These areas include the trigger, hammer, barrel pivot, and recoil plate. This strikes the correct balance between manageable weight and safety.

In the standard configuration, the TBL-37 is equipped with a 12" barrel. After extensive marketing research with prospective users, we found that a sizeable number of people like you wanted the option of a slightly longer barrel. Therefore we have made a 16" barrel available on special order for an additional charge. The 16" barrel has an extended Rail on the top that extends over its entire length.

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Both launchers come in a heavy duty cardboard box with waffle foam to cushion the launcher for storage and transportation.

Coming out of the same research, we discovered that there is a sizable group of you who want a more convenient version for storage and transport. In response to this we developed the Practical Configuration.

The compact Practical Configuration (SML-37) comes with a 6” barrel, pistol grips and bead front sight in an optional polypropylene case. It is equipped with a lanyard ring as standard equipment. It is also available with a 12” barrel complete with a full lower Picatinny rail, vertical foregrip and bead front sight.

	TBL-37 12”	TBL-37 16”	SML-37
Length O/A	28” (71.2cm)	32” (81.4cm)	11 ½” (29.3cm)
Barrel Length	12” (30.5cm)	16” (40.7cm)	6” (15.3cm)
Weight	5 lb(2.28kg)	6 lb (2.72kg)	2 lb 10 oz (1.18kg)

Materials and Finish

6061 Aluminum barrel and parts

Bearing parts are 4140 Chrome-moly steel

Aluminum parts anodized to meet or exceed Mil-A-8625F Type III, Class 2

Steel parts Black Oxide coated

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Ammunition

The TBL/SML series of launchers are designed to safely chamber and fire all commercially available 37mm ammunition.

Maintenance

Non-lethal ammunition can use either Black Powder or Smokeless Powder as a propellant. To remove powder residue, use the solvent that is appropriate to the ammunition that you are using.

1. To clean barrel swab solvent through bore replacing cleaning pad until no further residue can be seen.
2. Lightly oil bore and exterior of the launcher.
3. Spray cleaner into mechanism through trigger and firing pin openings.
4. If launcher is not to be used for an extended period of time, make sure that exposed steel surfaces are well oiled.

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Instructions for Use
TBL/SML Series of 37mm Launchers

The TBL/SML Series of 37mm launchers share the same receiver and basic configuration. The 6” barrel Practical version is shown below.

1. Locate safety on right side of the frame



2. Be sure that the detent engages and that the safety is in the “ON” position.



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3. Press the barrel release forward



4. Press down on the barrel until fully opened



5. Insert a commercially manufactured 37mm round only!!



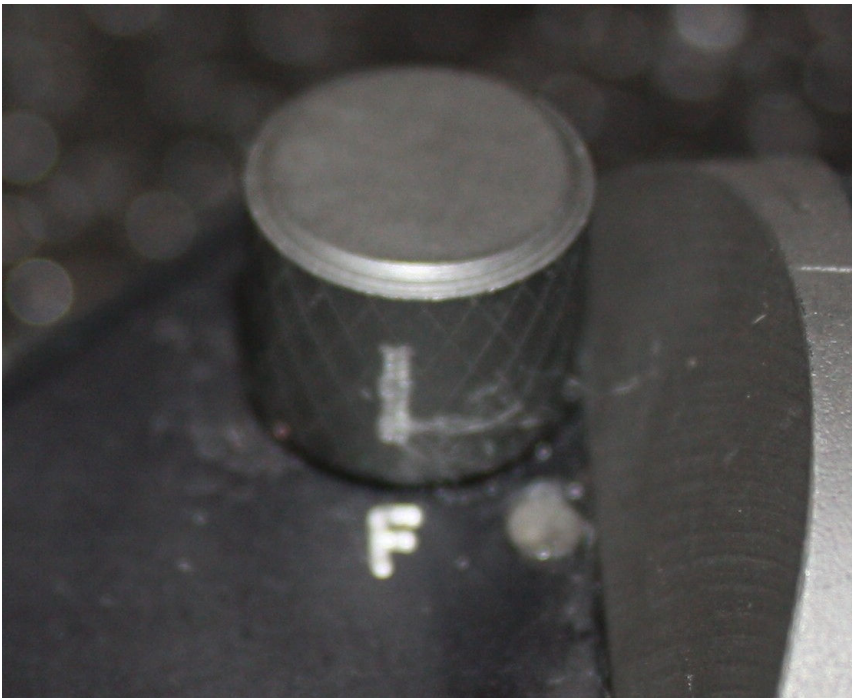
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6. Snap barrel upward until it clicks



7. Test to be sure that the barrel is firmly locked

8. Turn safety to “Fire”



9. Point in safe direction

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10. Cock hammer



11. Pull trigger



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