



TM

SIERRA 7 BIPODS



**USER MANUAL FOR THE SIERRA 7™
MULTI-POSITION MODULAR
SMALL ARMS BIPOD**

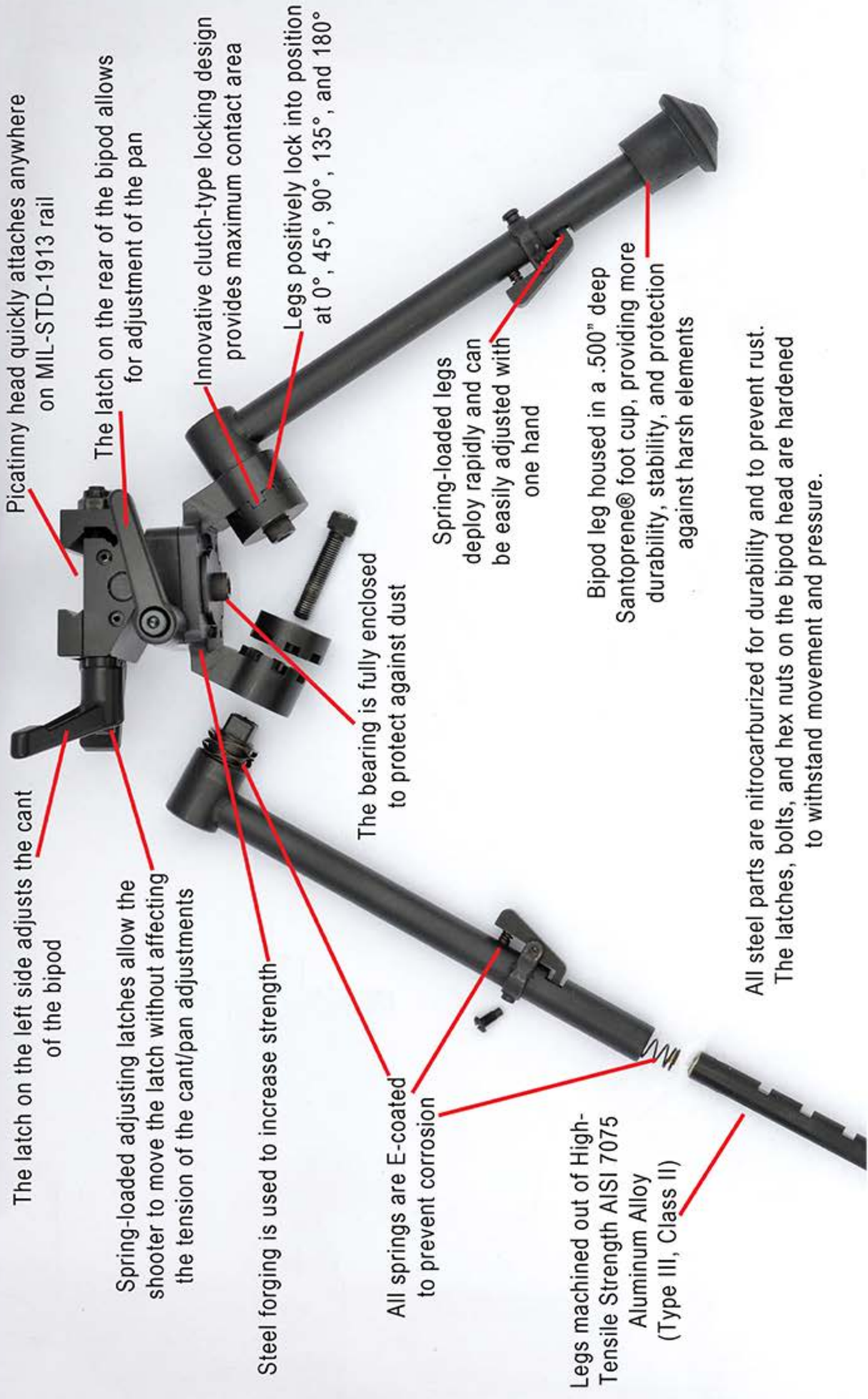
The Sierra 7™ bipod is the strongest and most fully-featured bipod on the market.

Designed with the cooperation of top-level competitive shooters and active duty personnel, the Sierra 7™ has numerous patent-pending features not found on any competing bipod.

The Sierra 7™ bipod was designed to meet or exceed all current MIL-specs. Its back-to-basics construction harks back to the glory days of American manufacturing. All parts are machined from forgings or billet. Investment castings and Metal Injection Molding (MIM) parts were not used in any step of the manufacturing process. All parts (including springs and fasteners) have been coated against corrosion from exposure to the elements.

Bipod Features (See Fig. 1 on next page for more details)

- Picatinny head quickly attaches anywhere on MIL-STD-1913 rail
- Perfectly smooth 90° panning with positive stop—precise, vibration-free tracking makes engaging moving targets and transitioning from target to target easier
- Smooth 60° canting feature—rotates smoothly regardless of how much tension is applied to the mechanism, allows for the weapon to be quickly levelled when weapon is not on level terrain
- Spring-loaded legs machined out of high-tensile strength AISI 7075-T6 Aluminum Alloy
- Innovative leg-locking design provides effortless maneuvering and maximum stability
- Revolutionary clutch-type locking mechanism provides for much greater bearing surface than any competing design
- Spring-tensioned adjusting latches allow the shooter to rotate the latch to any desired position without affecting the tension of the cant/pan adjustments



The latch on the left side adjusts the cant of the bipod

Picatinny head quickly attaches anywhere on MIL-STD-1913 rail

The latch on the rear of the bipod allows for adjustment of the pan

Spring-loaded adjusting latches allow the shooter to move the latch without affecting the tension of the cant/pan adjustments

Innovative clutch-type locking design provides maximum contact area

Steel forging is used to increase strength

Legs positively lock into position at 0°, 45°, 90°, 135°, and 180°

The bearing is fully enclosed to protect against dust

All springs are E-coated to prevent corrosion

Spring-loaded legs deploy rapidly and can be easily adjusted with one hand

Legs machined out of High-Tensile Strength AISI 7075 Aluminum Alloy (Type III, Class II)

Bipod leg housed in a .500" deep Santoprene® foot cup, providing more durability, stability, and protection against harsh elements

All steel parts are nitrocarburized for durability and to prevent rust. The latches, bolts, and hex nuts on the bipod head are hardened to withstand movement and pressure.

Figure 1: The Sierra 7™'s comprehensive list of user-friendly features are designed with the professional in mind.

Installation Instructions:

The Sierra 7™ bipod easily installs on any rifle fitted with a MIL-STD-1913 rail

Make sure your firearm is unloaded and in a “SAFE” condition before installation

Step 1: Position the bipod facing you, so that the mounting latch is on the left side.

Step 2: Open the bipod head by pulling the latch back towards you.

Step 3: Adjust the width of the locking lugs by loosening the hex nuts on the side of the bipod head. (Fig. 2)

Figure 2: the adjustment knobs allow for easy installation of the bipod and a secure fit once on the rifle



Step 4: Align the two locking lugs with any two cross-slots on the rail. Catch one side onto the cross-slot, then fit the other side onto the rail. (Fig. 3)

Figure 3: the bipod easily locks onto the cross-slots of the Picatinny rail



Step 5: Push the mounting latch forward to lock the bipod in place. If necessary, adjust the hex nuts. Your bipod is now properly adjusted and ready for use.

To remove the bipod, simply pull the latch back to unlock the bipod and remove it from the rail.

Usage instructions:

The Sierra 7™'s simple yet innovative design gives the experienced shooter the ability to quickly adjust the pan, cant, and the angle of the bipod legs. Every action can be undertaken with the off (non-shooting) hand.

To adjust the angle of the bipod legs, press the bipod leg in to unlock the clutch mechanism. (Fig. 4) The spring-loaded legs can be adjusted along a 180° arc (0°/45°/90°/135°/180°). Each “click” on the clutch plate adjusts the angle 45°. One click will position each leg at a 45° angle for pre-load use. Rotate to the desired position, release the bipod and it will automatically lock into place.

When not deployed, the bipod is typically stored flat (0° or 180°).

Figure 4: the two bipod legs can lock at separate angles, providing more stable footing on uneven terrain



Adjust the height of the bipod legs by pressing the latches on the inside of the legs (Fig. 5). Each bipod leg can be individually adjusted for height. With one hand holding down the leg latch, push down on the bipod until it is at the desired height. Release the leg latch, the leg will lock securely. **Use caution when releasing the legs, especially when they are fitted with Raptor feet.**

Figure 5: the spring-loaded legs are easily adjusted and automatically lock into place. No separate tensioning is necessary.



Usage Instructions (continued)

To adjust the cant of the bipod, loosen the adjustment lever on the left side. The bipod head will move smoothly along a 60° arc.



To adjust the pan of the bipod, loosen the adjustment lever facing the user (rear lever). The needle bearing of the bipod head allows for perfectly smooth 90° tracking.



Adjust the spring-loaded lever latches by pulling out the lever latch and rotating it to the desired position (Fig. 6). The user can move the latches to the most comfortable and easily accessible position.



Figure 6: adjusting the lever latch

The Sierra 7™ bipod is proudly 100% designed, machined, and assembled in Atlanta, Georgia, U.S.A.



Figure 7: partial view of our manufacturing facility in Atlanta, Georgia



Figure 8: machining the main housing of the Sierra 7™ bipod



"The Sierra 7™ is the ultimate bipod. It provides me with every feature I need without adding too much bulk....It is the absolute best shooting rest for competition and in the field."

A handwritten signature in black ink that reads "Daniel Horner". The signature is written in a cursive, flowing style.

Elite sniper team member Daniel Horner,
Winner of the 2012 and 2013 International
Sniper Competition