



BP-S-QD

User Guide



OVERVIEW

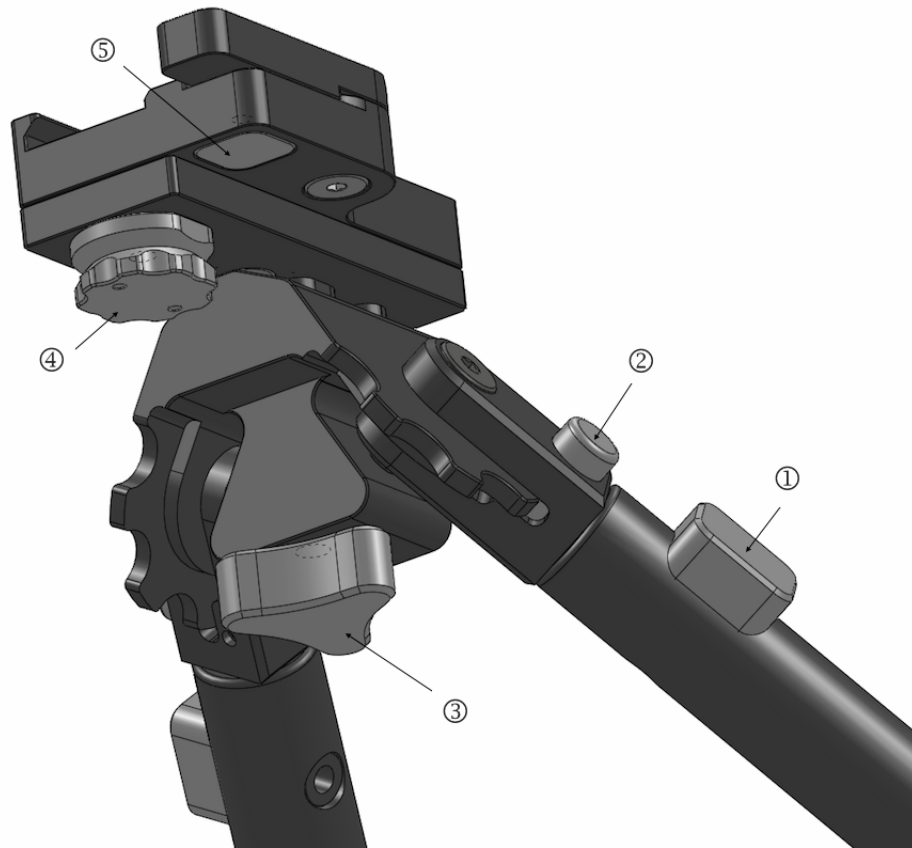
- ✧ For maximum terrain adaptability :
 - **Each leg rotates** independently and can be securely locked in any of **5 positions**:
folded forward 45° forward 90° (down) 45° backward folded backward.
An automatic locking mechanism prevents the legs from rotating unexpectedly.
 - **Each leg extends** independently : there are **5 indexed leg extension positions**, allowing legs to be extended up to 4 x 18mm = 72mm (4 x 0.7" = 2.8").
An automatic locking mechanism prevents the legs from extending or collapsing unexpectedly.
- ✧ Leg rotation knobs and leg extension knobs are actuated by **pushing** buttons for easy one-handed operation. Both the rotation button and the extension button can be actuated with one hand while the rifle operator is in the prone position.
- ✧ **Cant adjustment mechanism** :
 - **±25°** of rotation around the rifle bore axis (cant angle) for slope compensation.
 - The rifle can be locked in the vertical position using an ergonomic clover shaped thumb screw (no lever necessary).
- ✧ **Swivel mechanism** :
 - **60 degrees horizontal swivel range** (pan angle) for target tracking.
 - Swivel can be enabled or disabled using a swivel locking knob.

A unique design feature of this bipod is that it enables the tracking of a target without introducing cant error :

once the operator locks the rifle in the vertical plane with the cant adjustment mechanism, the swivel mechanism enables the rifle to rotate in the horizontal plane while maintaining the plane defined by the bore axis and the line of sight in the vertical plane.

- ✧ **Quick mount and release mechanism** for Picatinny or NATO rail. No tools necessary. No adjustment necessary.
- ✧ Feet : metal **claw feet** or angled high-friction **rubber feet** for maximum grip.
- ✧ **Material** : 6061T6 aluminum for all CNC machined parts, hardcoat type III anodized.
Matte black finish to prevent light reflection.
- ✧ **Weight** : **385g = 13.6 oz.**
- ✧ **Load bearing capability** : **100kg** with legs at 90°, allowing someone to step on the rifle.

CONTROLS



- ① **Leg extension button**
PUSH to extend or retract the leg
- ② **Leg rotation button**
PUSH to rotate the leg
- ③ **Cant adjustment thumb screw**
TURN counterclockwise to unlock the cant mechanism and adjust the cant angle
TURN clockwise to lock the cant angle
- ④ **Swivel lock button**
PULL & TWIST to release the swivel lock
Align bipod with rifle and TWIST to reengage the swivel lock
- ⑤ **QD lever lock button**
PUSH to open or to lock the QD lever

LEGS 45 DEGREES FORWARD

Elite long range shooters report that for maximum stability, a bipod may not just rest on the ground, but rather be thrust into the ground.

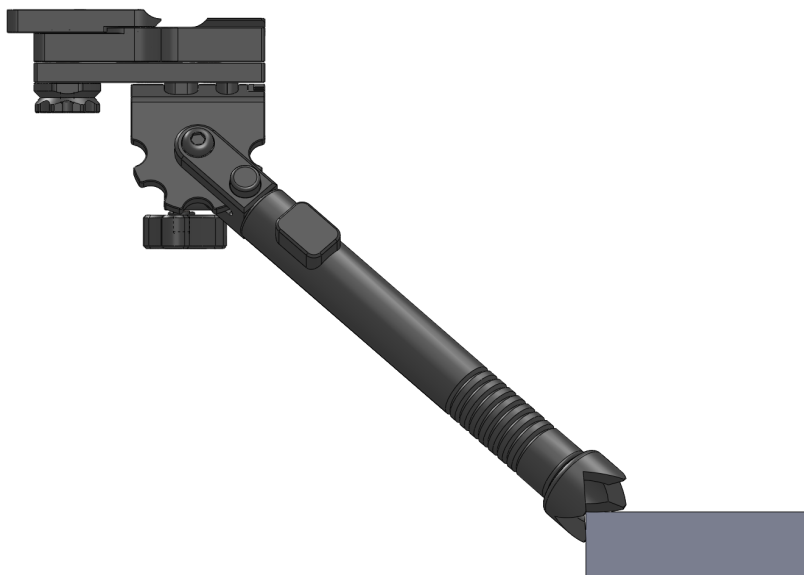
This can be done with both legs brought 45 degrees forward : the preferred shooting position.

The metal four-pronged **claw feet** are designed to effectively dig into dirt, sand, wood, rocks, ice...



The claw feet offer a very effective way to **stabilize the weapon against an edge** such as a window sill or stair step.

Since the outer leg does not rotate around the inner leg, the claw is always in the correct orientation to grab onto an edge :





RECOMMENDED OPERATION PROCEDURE

1. Rotate / extend the legs to adapt to existing terrain conditions
Terrain permitting, bring the legs 45 degrees forward.

Notes :

To minimize movements that could be detected by an enemy, it is desirable for a marksman in the prone position to use his dominant hand to hold the rifle and tilt it on one leg while making adjustments to the other leg using his non-dominant hand.

To facilitate this :

- *The leg extension button and the leg rotation button are both operated by pushing, which requires only one finger and can easily be done in the prone position.*
- *The legs are not spring loaded.*

2. Turn the cant adjustment thumb screw CCW to release the cant adjustment mechanism.
3. Adjust the cant angle (set the rifle in the vertical position) and lock it in place by turning the thumb screw clockwise.
4. Pull and twist the swivel lock button.
This enables the rifle to swivel.

Notes :

When setting a bipod on the ground, it is unlikely that the bipod will be exactly perpendicular to the target. We recommend operating the bipod in swivel mode. This allows for smoother operation.

A key characteristic of this bipod is that it maintains the rifle vertical as it swivels : swiveling does NOT introduce any cant error.

HEIGHT / GROUND CLEARANCE

Height H (measured from the bottom of the rifle rail to the ground) is given for various leg positions :

*Legs 45° forward,
collapsed*

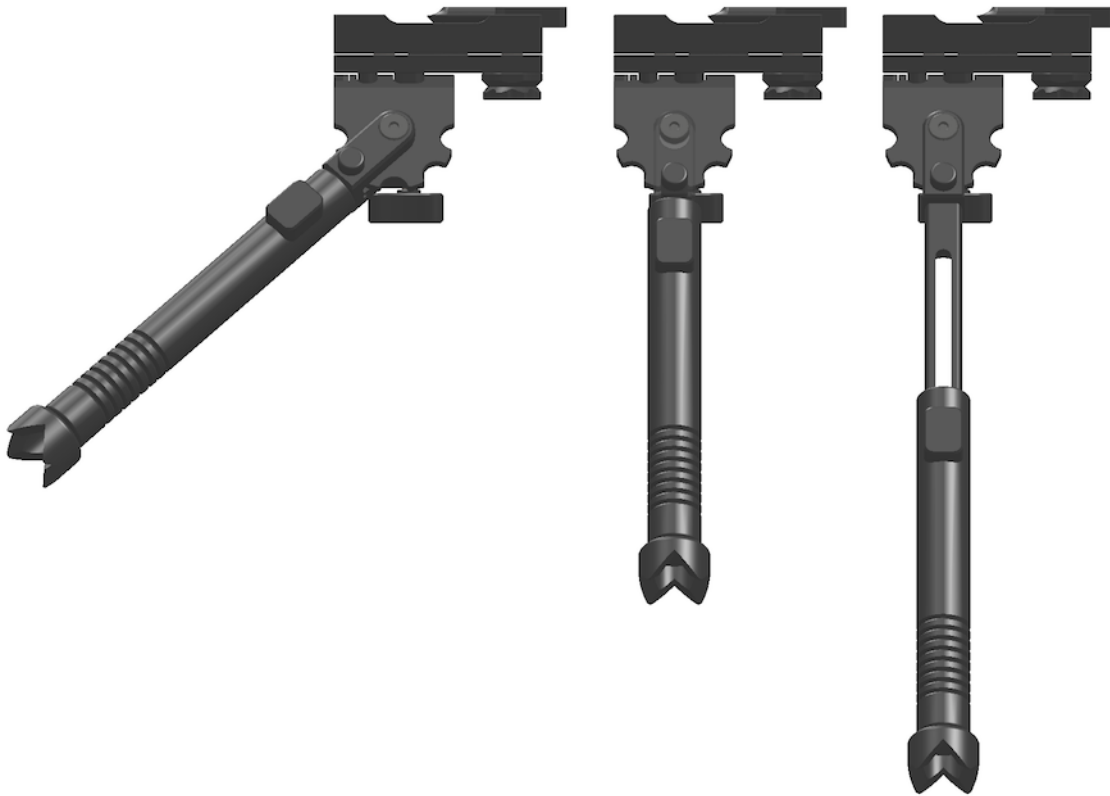
H=142mm
H=5.6"

*Legs at 90°,
collapsed*

H=181mm
H=7.1"

*Legs at 90°,
fully extended*

H=252mm
H=10"

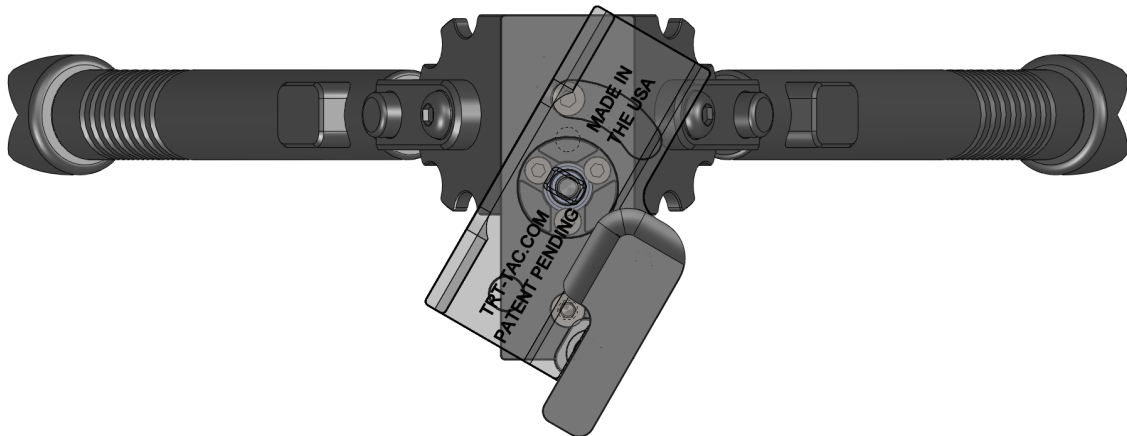


SWIVEL RANGE

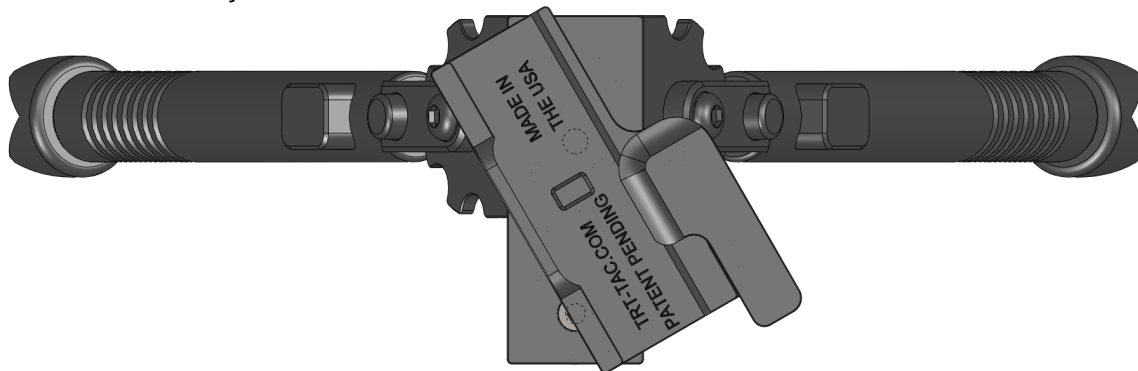
30 ° to the right + 30 ° to the left = 60 ° of horizontal pan / swivel

A ball bearing ensures a friction-free rotation.

Swivel 30 ° to the right :



Swivel 30 ° to the left :



SWIVEL MODES

The swivel lock button offers two positions / operational modes :

SWIVEL LOCKED and SWIVEL ENABLED

Note : it is only possible to lock the swivel function at 0 degrees - not at other angles.

Operation :

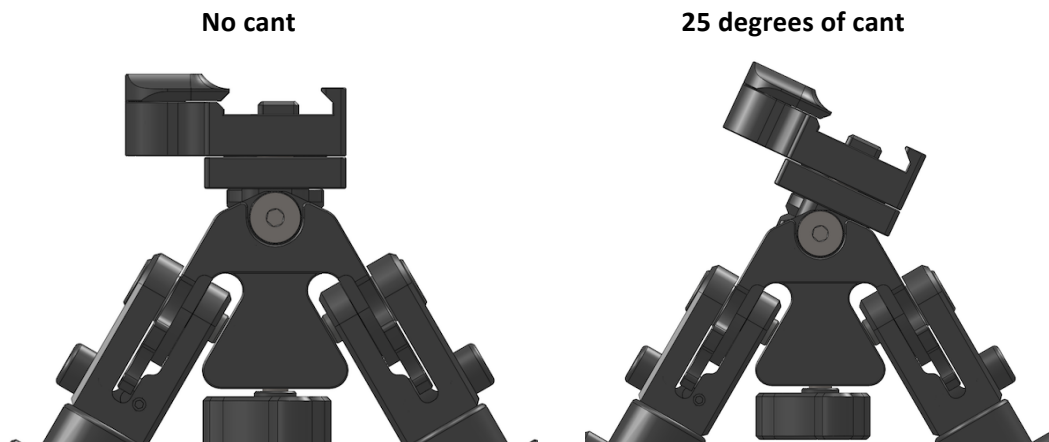
To get to SWIVEL ENABLED mode : **pull** the swivel lock button, and **twist** it less than 180 °.

To get to SWIVEL LOCKED mode : align the rifle with bipod, **twist** the swivel lock button until it locks on its own (less than 180 ° is necessary).

When setting a bipod on the ground, it is unlikely that the bipod will be exactly perpendicular to the target. We recommend operating the bipod in swivel mode.

SLOPE COMPENSATION

The cant mechanism adjusts +/-25 degrees.



A 25 degrees slope can be compensated with both legs collapsed and at 90 degrees, simply using the cant adjustment mechanism:



Maximum slope compensation : 50 degrees

An even greater slope – up to 50 degrees - can be compensated with :

- the lower leg fully extended and at 90 degrees,
- the upper leg collapsed and at 45 degrees forward.

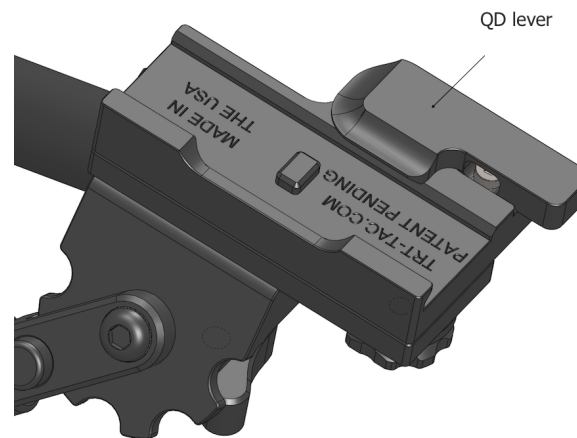


QUICK DISCONNECT (QD) MECHANISM

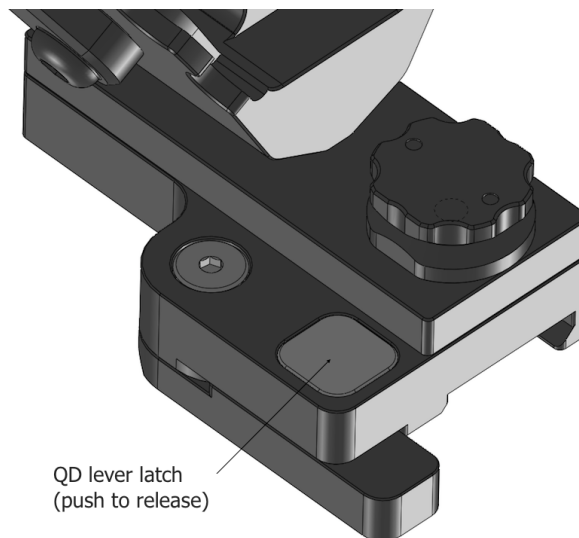
The Quick Disconnect mechanism enables the quick connection and release of the bipod on or from any MIL STD-1913 Picatinny or NATO STANAG 4694 compliant rail.

The QD mechanism covers the entire dimensional tolerance range of these standards. No user adjustment is required.

The QD mechanism is operated by rotating the QD lever.



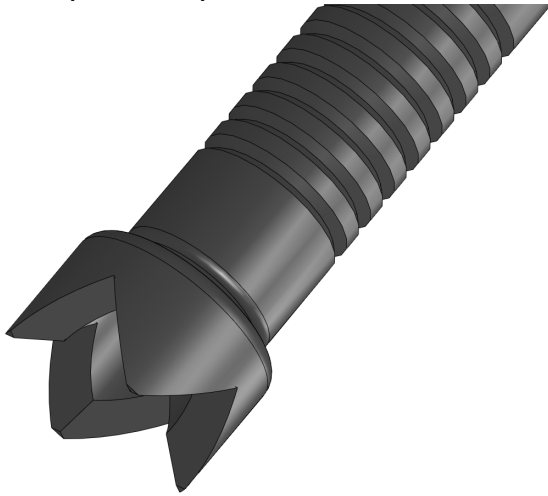
The QD lever is secured in place by the QD lever latch : the QD lever can only be released / rotated while the QD lever latch is being depressed, providing maximum safety against unintentional release.



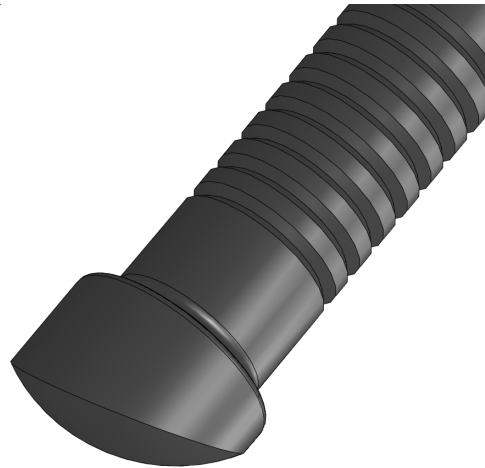
FEET

Two interchangeable foot options are available.

**Claw foot
(aluminum)**



Rubber foot



Foot replacement procedure :

- Unscrew M3 set screw (1.5mm hex drive).
- Pull foot to be removed.
- Insert desired foot.
- Push foot in and screw M3 set screw.

