



SPORT & RECREATIONAL OPTICS

**Tactical Weapon™**

**TW4x30 SCOPE**

# INSTRUCTION MANUAL



Engineered for rapid target acquisition, instinctive and accurate shooting. Fixed power tactical weapon rifle scope with non-illuminated mil-dot crosshairs.

The Tactical Weapon™ series is specifically designed for tactical style rifles. The TW4X30 fixed power scope features a rugged one piece tube design, push/pull locking turrets and fast focus to meet all your shooting optics requirements. The TW4X30 includes mounting hardware compatible for AR's, SKS and any rifle equipped with a weaver style rail.

Recommended for semi-autos and rifles where you can use a compact designed scope. Compact scopes tend to be brighter and have less parallax error than longer scopes of equal quality.

### FEATURES:

Fully multi-coated optics for increased light transmission, 4X magnification, 30mm objective lens, 100 yard parallax setting, FOV @ 100 yds. is 23 feet, 4" eye relief, mil-dot reticle, approx. length 8" and 12 oz. (390 grams) weight.

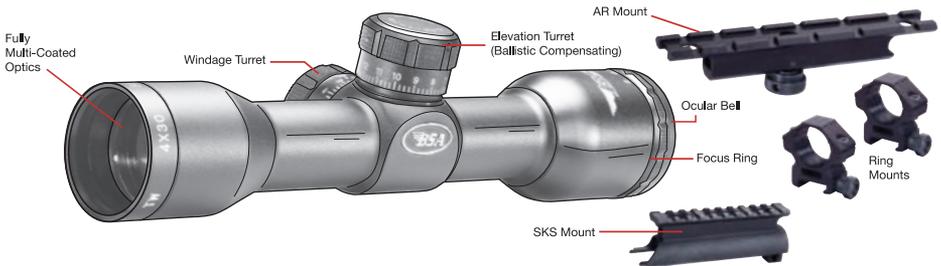
*Each TW4x30 Tactical Weapon Scope Includes:*

2 piece weaver style ring mounts, AR style carry handle mount, SKS mount, and Micro Fiber Lens Cloth.

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## TW 4x30 SCOPE



**⚠ CAUTION: DIRECT VIEWING OF THE SUN CAN CAUSE PERMANENT EYE DAMAGE. DO NOT ATTEMPT TO VIEW THE SUN WITH EITHER THIS PRODUCT OR THE NAKED EYE.**

### 1.) FOCUSING YOUR SCOPE

The Tactical Weapon™ TW4x30 is a fast focus scope with a generous 4 inch eye relief. Hold the scope and look through the eye piece at a flat, featureless, well lit area. The reticle should appear sharp and well defined. To make adjustments, rotate the ocular bell focus in either direction and look through

the scope again. If the focus of the reticle has improved, but is not perfect, continue to rotate in the same direction. If the condition has worsened, you will need to rotate the bell in the opposite direction.



**CAUTION: BE SURE THAT THE FIREARM IS NOT LOADED.  
PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.**

## **2.) MOUNTING**

The TW4x30 Tactical Weapon™ scope comes equipped with standard 2 piece weaver mounts, an SKS mount and an AR style carry handle mount.

*Weaver Mounts:* Separate the top and bottom halves of the rings. Pre-install the bottom halves. Set the scope in the cradles formed by the bottom ring halves. Position the scope toward the objective lens. Rotate the scope to position the elevation turret on top (at 12 o'clock). With the firearm in a steady rest position (while looking through the scope), slowly pull it close to the eye until the full field of view becomes visible. Check the orientation of the reticle. The vertical post of the reticle can be aligned with the corner of a wall, a light post, or the vertical axis of the rifle if an optical collimator is not available. Misalignment of the reticle will not affect accuracy at short distances but can become a problem at long distances.

*AR Mount:* The TW4x30 Tactical Weapon™ scope includes an AR style carry handle upper receiver mount. Once the mount is installed the weaver rings will install on top of the mount.

- Remove the threaded thumb screw.
- Position the extended threaded screw through the hole on top of your AR handle.
- The threaded thumb screw is then reinstalled beneath the base of the handle.
- Turn threaded thumb screw clockwise to tighten.
- Proceed to Weaver Mounts listed above. Check to make sure the reticle is aligned both vertically and horizontally with the bore axes of the firearm.

*SKS Mount:* Installing an SKS cover/mount should be done by a professional gunsmith with knowledge of the SKS rifles and their tolerance variances.

Make sure your firearm is unloaded, then close the bolt. Pull the rear cover retainer pin upward and outward until the retainer pin engages the slot and pull the pin outward. The retainer pin will not pull all the way out. Remove the rear cover with a rearward pull.

**INSTALLATION:** Install your new cover/mount by pushing it forward on the receiver until the front forks engage the receiver. Push hard forward until the

cover/mount is all the way forward, then push the retainer pin back into the receiver and click it downward until it locks in place and is secure.

**NOTE:** Should you not be able to lock the retainer pin you will need to fit the cover/mount to your particular SKS. All SKS rifles vary greatly in their tolerances, so the front forks are made a little large on the cover/mount to account for the largest fitting SKS models.

**TO FIT THE COVER/MOUNT:** Note the angle on the front forks. Slightly file across both front forks at the same time and at the same angle they are cut with just a few strokes. Be careful not to remove too much material or this will cause a loose fit. A tight fit will hold the cover/mount solid and secure. Retry installation until the retainer pin is locked in place. If needed, repeat this process a little at a time until the retainer pins locks securely in place.



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PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.

### 3.) PRE-ZEROING

Locate an appropriate location to fire your rifle and set up a target at a distance of 100 yards\* from your shooting location. You should use a comfortable gun rest to eliminate as much human error as possible. Make certain the rifle is empty with no cartridge in the chamber and the breech open. \*The TW4x30 has a 100 yard parallax and fast focus knob.



300 yards



200 yards



100 yards



75 yards



50 yards

### **Adjusting Push-Pull Windage and Elevation Turrets**

**ELEVATION:** Pull the elevation turret up until it stops. The turret has now engaged the adjustment body. Turn the turret clockwise to lower the point of impact and counterclockwise to raise the point of impact. Once you have adjusted the point of impact push the turret down until it stops. Your elevation adjustment turret is now locked in place.

**WINDAGE:** Pull the windage turret up until it stops. The turret has now engaged the adjustment body. Turn the turret clockwise to move the point of impact to the left and counterclockwise to move the point of impact to the right. Once you have adjusted the point of impact push the turret down until it stops. Your windage adjustment turret is now locked in place.

**USING A BORESIGHTER:** Follow the instructions that came with your boresighter and install the boresighter in the muzzle of your rifle lining it up with the scope as close as possible. Looking through the scope (as though you were going to shoot) you should see two sets of cross hairs. One set is a plain cross hair (this is the one in the scope itself) and another set which is graduated or on a grid (this is the one in the boresighter). These cross hairs should line up with each other vertically, horizontally and in complete alignment. If the vertical and horizontal cross hairs are not parallel with each other, adjust the boresighter in the direction it needs to turn in order to achieve this.

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PRACTICE SAFE FIREARM HANDLING AT ALL TIMES.

#### **4.) ZEROING**

The next step is to test ammunition. NO two ammunitions will behave in the same manner when fired from the same rifle. This may be one of the most important steps in sighting in any firearm and is the one that is most frequently omitted. DO NOT bypass this step.

- Holding the crosshairs steady on the target, squeeze off a round.
- Repeat this two more times to get a 3-shot group.
- Retrieve your target and triangulate the shots to get an average point of impact. Measure from that POI to the bulls eye where you aimed.
- This measurement can now be adjusted with adjusting screws located on each turret knob. The Tactical Weapon™ TW4x30 is 1/4 MOA, that means one click will move the bullet 1/4" at 100 yards.

**NOTE:** If you zero at a different yardage, say 50 yards, one click will move the bullet only 1/8" at 50 yards.)

Once you have adjusted the windage and the elevation, you are now ready for another 3-shot group. Repeat this process until you are satisfied with the results.

**NOTE:** It is important to allow the barrel to cool down in between the 3-shot groups as heating of the barrel can cause bullet flight to vary. It is also recommended to swab the bore between shots with a dry patch to reduce buildup. DO NOT use any cleaning fluid or oil on the swab, as this can affect bullet flight. If you are sighting in the firearm for hunting deer you may want to adjust the elevation an inch or two above bullseye at 100 yards. This will give your firearm extended range and still keep you in the kill zone at 100 yards and less.

After zeroing, use the hex wrench provided to remove the windage and elevation drums and re-position them so the that the ("0") lines up with the

indicator line on the spindle. Any further windage and elevation adjustments can be made more precisely by calculating the amount of clicks from the zero point.

## 5.) **MAINTENANCE**

**DO NOT ATTEMPT TO DISSASSEMBLE OR CLEAN THE SCOPE INTERNALLY. IF THE SCOPE REQUIRES REPAIRS OR ADJUSTMENT, SEE WARRANTY CARD FOR INSTRUCTIONS.**

Start by brushing away dust and dirt particles from the lenses of the scope. Using the included lens cloth designed to clean optical surfaces brush dust or dirt particles away from the center of the lens towards the outside edges. To remove minor smudges or fingerprints, start in the middle of the lens and using a circular motion clean towards the outside edges of the lens. If more aggressive cleaning is needed put a few drops of liquid lens cleaner on the cloth. Store the rifle scope in a moisture-free environment.

**NOTE:** Not all cloth material like a handkerchief will remove smudges or fingerprints. Round fibers found in many cloth materials will tend to spread smudges and fingerprints. Use cleaning tools specifically designed for rifle scope cleaning.

**BSA<sup>®</sup>**  
SPORT & RECREATIONAL OPTICS  
**Tactical Weapon™**  
**TW4x30 SCOPE**



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## **6.) TROUBLE SHOOTING TIPS:**

### **Inaccuracy Issues:**

- 1). First check your mount. Using your bare hands only, softly twist the scope in the rings, check for any movement. If there is any movement, re-tighten the mounts. *Non-permanent thread lock tight is recommended.*
- 2). Use a bench rest or sandbag to support the forearm and butt stock when making windage and elevation adjustments. This will help eliminate movement.
- 3). Always follow through with every shot.
- 4). Always use the ammunition of the same bullet type and weight.
- 5). Check that your rifle is properly bedded in the stock. A loose stock can create changes to the point of impact.
- 6). Check that your barrel and chamber are clean. Damaged rifling or excessive grease can cause inaccuracy.
- 7). Always make adjustments in small increments to avoid moving the erector tube.

For questions on our products and for complete instructions on warranty and repair, contact BSA Optics Customer Service at (954) 581-2144 or visit [bsaoptics.com](http://bsaoptics.com)

### **FOR RETURNING PRODUCTS**

Return products following the warranty guidelines.

A brief description is included below.

- 1). Remove any accessories and rings.
- 2). Include a note with a brief description of the problem, address, telephone number, and email address.
- 3). A \$10 check for return shipping and processing fees and proof of purchase.
- 4). We recommend using a shipping method with a tracking number (Fedex, UPS ect.).

BSA optics cannot be held liable for lost or damaged items.

\*PLEASE NOTE: if your product is not registered you must have proof of original purchase, or you will be subject to repair fees (see warranty).

### **SHIP PRODUCTS TO:**

BSA Optics Inc.

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Houston, MO 65483



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