



DUAL DOVETAIL BASES & RINGS MOUNTING INSTRUCTIONS

MOUNTING INSTRUCTIONS FOR DUAL DOVETAIL™ BASES

IMPORTANT: Please read these instructions completely before beginning. Check to ensure that the magazine of the firearm has been removed or emptied, that the action is open, and that there is not a round in the chamber. Install the base or rings after double checking that the firearm is unloaded and safe.

NOTE: Use a good gun solvent and rag to remove all traces of oil and grease from the contact surfaces of the rings and threaded holes. Do not remove the light gray factory-applied lubricant from ring dovetails or base-socket mating surfaces.

1. Secure the rifle or handgun in a padded vise, set the bases on the receiver, and align the mounting holes.
 - The rear base should be positioned so the dovetail is facing toward the muzzle, on 2-piece bases. Be sure, when installing 2-Piece bases, that the position of the rear base does not interfere with the operation of the bolt.
 - The action, length of the scope, and turret location can dictate where rings fit, so check their relative positions by measuring or holding the scope over the bases. Allow ample space on either side of both rings to allow for later eye relief adjustments.
 - For 2-Piece bases, a reversible front and/or rear base set can be used to achieve proper spacing. Extension rings are available for 1-Piece and 2-Piece bases.
2. Secure the base to the receiver, with the Torx® screws and driver. Tighten 6-48 screws to 22 in-lbs and 8-40 screws to 28 in-lbs.
 - Due to the superior performance of Nylok® and the Torx drive system, the use of an additional thread locker (such as Loctite®) is not necessary. No gun oil should be applied to the screw threads.
 - When screws are properly torqued, check to make sure that they do not extend all the way through the receiver to interfere with the bolt.

CAUTION: Overtightening can cause damage.

CAUTION: Tighten Browning X-Bolt screws to 18 in-lbs.

NOTE: If a scope has insufficient windage or elevation adjustment, the problem is generally due to barrel-to-receiver misalignment. In these cases, the following options are available for correction:

- Shimming the front and rear base or using Leupold® STD™ windage adjustable mounts.

MOUNTING INSTRUCTIONS FOR DUAL DOVETAIL™ RINGS

NOTE: Use a good gun solvent and rag to remove all traces of oil and grease from the contact surfaces of the rings and threaded holes. Do not remove the light gray factory-applied lubricant from ring dovetails or base-socket mating surfaces.

1. If you have a Leupold® Ring Wrench, insert the dovetail of the front ring into the socket at the front of the base. Then use the Ring Wrench to gently rotate the ring bottom 90°, which brings it into alignment with the axis of the rifle.
2. Lacking a Ring Wrench, assemble the front ring onto a short piece of one-inch dowel. Then, holding the dowel at 90° to the axis of the rifle, set the ring dovetail into the socket at the front of the base. When completely seated, gently rotate the dowel until it is aligned with the axis of the rifle. Finally, loosen or remove the ring top to free the dowel.
3. Repeat steps 2 or 3 for the rear ring.

CAUTION: Overtightening can cause damage.

CAUTION: Tighten Browning X-Bolt screws to 18 in-lbs.

NOTE: Lay the scope in the rings. If it does not drop freely into place or there are gaps between the scope and rings, a slight adjustment of the ring alignment may be necessary.

4. When you are satisfied with the ring alignment, put the scope in the ring bottoms.
5. Loosely assemble the ring tops on the ring bottoms and scope, using the Torx screws and driver.
6. Shoulder the rifle in your normal shooting position, with the scope as far forward in the rings as possible. Slowly move the scope rearward, but just to the point where you can see the full sight picture. This is your optimal eye relief.
 - If you are mounting a variable power scope, use the highest magnification to establish proper eye relief.
7. Check the vertical crosshair to make sure it is aligned with the vertical axis of the rifle. Using a leveling system is highly recommended.
8. When the scope is aligned with the rifle, tighten the ring screws with the Torx driver to a maximum of 28 in-lbs. There should be an equal gap on both sides of the rings.
9. Due to the superior performance of Nylok and the Torx driving system, the use of an additional thread locker (such as Loctite) is not necessary.

Contact Leupold Technical Service at Leupold.com or 1-800-LEUPOLD for more information.

