

JP Small-Frame Compensator Installation ***JPTRE-4S compact muzzle brake*** ***(5/8" - 28 TPI post-ban legal) and JPTRE-412 and*** ***JPTRE-412S (1/2" - 28 TPI, .875 OD at threaded end)***

CAUTION: REMOVE MAGAZINE AND VISUALLY CHECK CHAMBER TO MAKE SURE THAT FIREARM IS UNLOADED.

On JP Supermatch™ Pre-threaded Barrels: This brake is designed to fit our 5/8"-28 TPI .875 OD barrels perfectly. It may need to be timed up to the barrel for gap free level installation. This can be done by removing the appropriate amount of material from the back of the brake until level position is achieved. The rear surface of the brake may be milled, lathe turned or simply fitted on a belt sander if held in a square fashion.

When purchased retail, the finish of the brake is left "as machined" to allow for final finishing to match the barrel at time of installation.

Custom threaded barrels: Cut about .625 of threads. Best efficiency is achieved by allowing the muzzle to be recessed in the barrel nut about a quarter of an inch. This has the effect of forming a "cup" which directs the expanding gas forward into the baffles. If you are installing the brake on a gun that you are having threaded, have the gunsmith fit the brake to the barrel by removing material from the back of the barrel nut on the brake so the brake just tightens up in the level position, thereby eliminating the need for a jam nut or peel washer, resulting in the most cosmetically appealing installation. If your barrel is significantly larger than .875 OD (the usual dimension is .920), you would turn the barrel to .875 to match the brake at the time of installation.

After installation, it is imperative that alignment of exit hole and bore be checked visually and with a cleaning rod inserted through brake and barrel to confirm that bullets will not impact the brake. Not all bores are centered in the barrel and not all threaded ends are concentric with the bore. However, the exit hole on this brake is sufficiently oversized to accommodate most tolerance stack ups within reason without sacrificing any performance.

Right- or Left-hand Biasing: JP Compensators are shipped in the “neutral” configuration. However, by drilling a port on the right or left hand side of the flat area just ahead of the muzzle, the comp can be given a thrust bias into the support hand which makes the overall impulse of the rifle more linear for off hand, kneeling or any position shooting other than prone off bipod. For example, if you are right handed, drill a 3/16” hole on the right side in the flat area just ahead of the muzzle, behind the first expansion chamber.



Important: The exit hole on this brake is .280 and will accommodate bores up to .244 (6mm). If your rifle is of a larger caliber, the exit hole must be enlarged to accommodate it. The final exit hole must be .040 minimum over bore diameter.

Caution! Muzzle brakes by their very nature redirect high pressure gasses and can blow dirt or other materials present in the shooting area back towards the shooters or bystanders, especially at indoor ranges with enclosed shooting booths. ***Always wear eye protection when shooting or observing.***

This device is considered a “COMPENSATOR” by BATF, not a “flash suppressor,” and is not designed or intended to be a “flash suppressor.”

THANKS FOR YOUR BUSINESS!