

# TEE-HEAD ADAPTER (TAB-567, TAB-6-OS & TAB-7-OS) INSTALLATION INSTRUCTIONS

For best results, read and understand this entire instruction sheet before installing Tee-Head Adapters.

Installation of the Ballcorp Tee-Head adapter requires drilling and tapping the top of the Ballcorp operating stem and assembling the adapter to the stem with a screw.

The tee-head adapter has two slots cast in the bottom. See Figure 1.

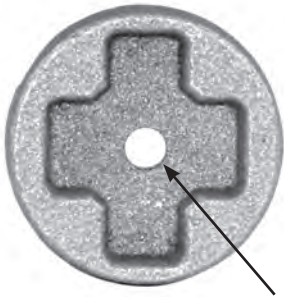


Figure 1. Slots under adapter.  
Arrow points to thru-hole.

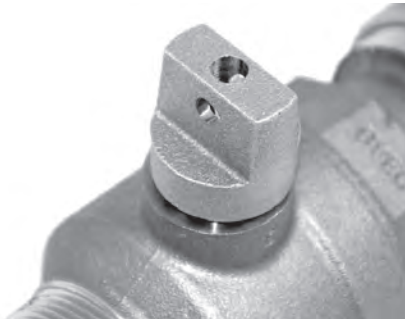


Figure 2. Tee-Head Adapter  
Positioned for marking.

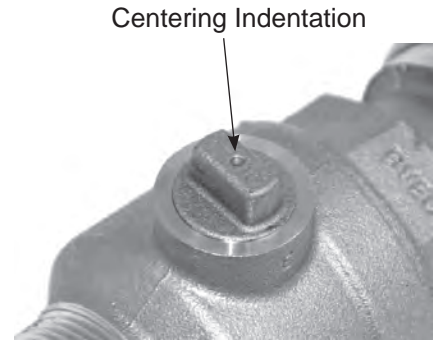


Figure 3. Mark on top of  
operating stem.

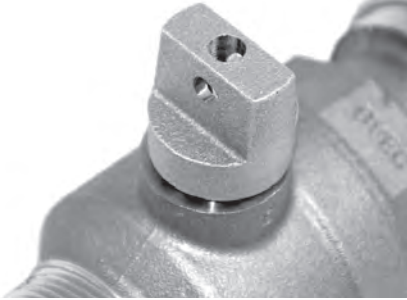
1. If the operating stem has a centering indentation, as shown in Figure 3, skip Steps 1 and 2 and begin with Step 3. Position the adapter on the top of the Ballcorp operating stem so the adapter wrench flats align with the stem in the valve's closed position. (Ballcorps are shipped in the closed position.) The adapter's cast slot must rest on top of the Ballcorp operating stem and must engage the sides of the operating stem wrench flats. See Figure 2.
2. Making sure the adapter is centered and stable on the Ballcorp operating stem, mark the adapter screw hole position on the top of the Ballcorp operating stem using the adapter screw thru-hole as a marking guide. See Figure 3.
3. Using the stem mark (Steps 1 and 2) or centering indentation (see Figure 3) for drill placement, drill a 0.1495" (# 25 drill) diameter hole x 0.38" deep in the Ballcorp operating stem. **Caution - Do not exceed 0.50" drilled hole depth or angle the drilled hole. Failure to properly align the drilled hole or excessive hole depth may result in valve leakage and failure.** Remove any chips from the hole in preparation for tapping.
4. Tap the Ballcorp stem hole with a 10-24UNC thread to a depth of at least 0.25". Remove any tapping chips or burrs that may interfere with the Tee-Head adapter assembly.
5. Position the Tee-Head adapter on the Ballcorp operating stem in the original position from Step 2. Align the adapter thru-hole with the newly tapping stem hole. Install the 10-24UNC cap screw (provided) thru the adapter and thread into the tapped hole. Tighten securely to prevent loosening in service, **but do not overtighten. See note below.**

**Note - Oversized drilled hole diameters or poor tap thread quality may reduce the amount of screw holding force. Use care when drilling and tapping to ensure a quality thread and assembly.** Thread lockers or retaining compounds may be used at the installer's discretion.



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