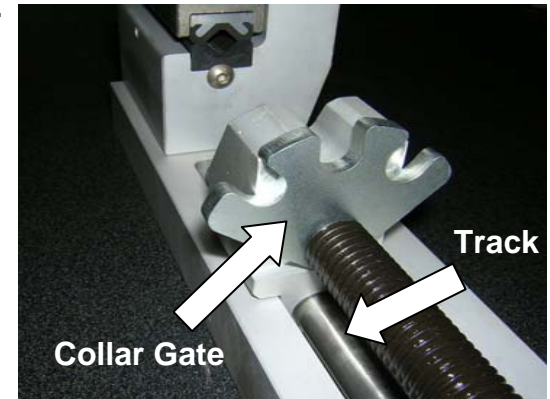


The Clubmaker Shaft Extractor

Stock #293237

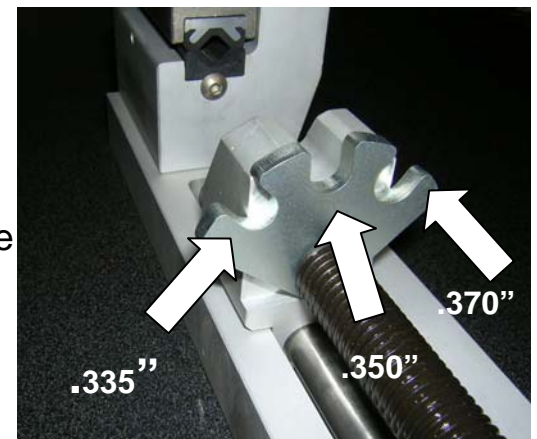
The Clubmaker Shaft Extractor is an economically priced shaft puller with industrial type performance. This extractor is designed for smaller shops but will handle the high volume shaft extractions of any size shop. In its third revision the Clubmaker Shaft Extractor keeps improving with each upgrade. This year's change allows the Collar Gate housing which pulls the head from the shaft to slide on a 5/8" round track rather than sliding on the shaft puller's frame. With past improvements such as the "T" handle for gauging pressure to the shaft clamp and the permanently fixed Collar Gate, this puller is easy to use and durable.

To pull a head from a shaft start with the Collar Gate housing butted against the Clamping Mechanism. Remove the ferrule (if applicable) with a utility knife. Or if you have a Ferrule Splitter (stock # 8330) install it between the ferrule and the Collar Gate, the Ferrule Splitter will remove the ferrule from the shaft as the Collar Gate moves toward the hosel.



Extracting a Shaft

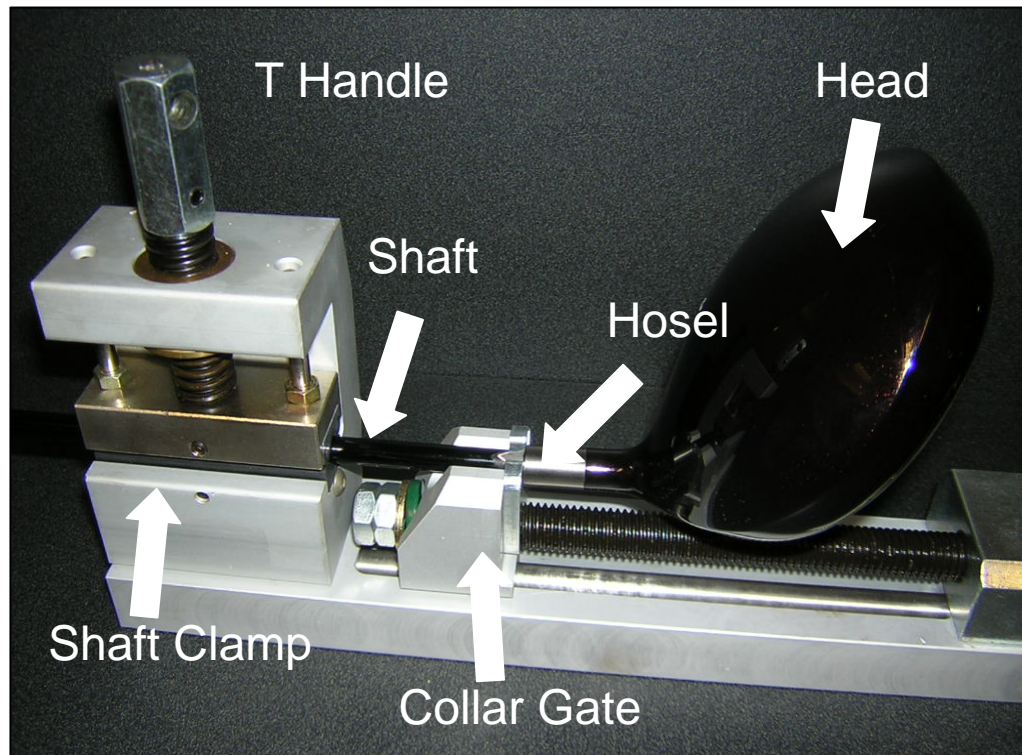
Heat the hosel with a Butane Torch or a heat gun to break the epoxy bond between the shaft and the hosel of the club head. Usually a minute and a half is appropriate. Once the hosel has been heated, place the shaft in the 3" Clamp with the appropriate Collar Gate opening (.335", .350", and .370") against the top of the golf club's hosel. Turn the "T" handle to secure the shaft tight in the vise. The shaft must be secured tight but take care not to crack the shaft. Shafts lighter than 65 grams need to be clamped carefully.



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Pull the Ratchet counter-clockwise to move the Collar Gate towards the hosel. The Clubmaker Shaft Extractor employs a spring inside the Collar Gate housing which aids the pulling of the head. The first few turns of the Ratchet will engage the spring. Once the spring is engaged keep turning the Ratchet and the head should start to move. Always keep a gloved hand on the head as the Ratchet is turned, the spring can “throw” the head from the shaft. Should the Ratchet become difficult to move, remove the golf club from the Clubmaker Shaft Extractor and heat the head a bit more. Heating the hosel of the golf club outside the shaft extractor is the safest method for preserving the cosmetics of the head. After heating the hosel return the golf club to the Shaft Extractor and attempt to pull the head again. Once the head is free of the shaft clean the hosel with the Spiral Deburring Roll & Mandrell (8338).

The Shaft Extractor can be bolted to a bench or mounted in a vise for portability.



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