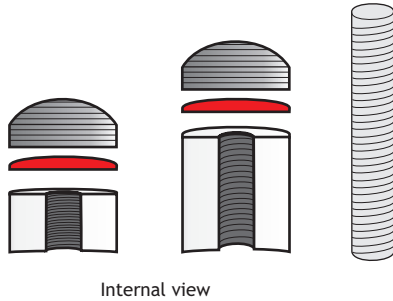




# Tiger Ferrule Replacement Instructions

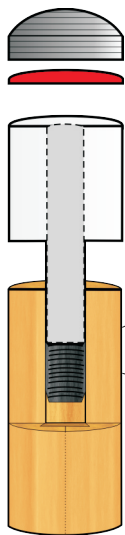
(How to keep Tiger X series shafts' limited lifetime warranty for ferrules\*)



Tiger ferrules for X series shafts consists of:

- 1 - tenon 1/4" 28 thread
  - 1 - ferrule either 1/4" in size or 1/2" with 28 threaded hole
- (fiber backing and tips are sold separately)

Internal view



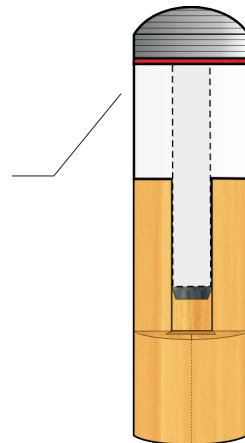
**Figure 1.**  
Internal view

*To start, cut the old ferrule off slowly on your lathe.*

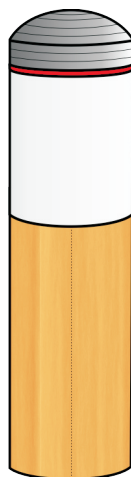
Using a 7/32" drill bit, drill the center of the shaft about 3/4" deep.

Use 1/4" 28 tap to thread the center. Use a 2 part epoxy to glue the tenon first, followed by the ferrule.

In order to keep the manufacturers warranty, look for two important factors, red fiber backing is a must and ferrule has to be no less than 12.50 mm when finished for Ultra-X or Ultra X LD and 11.50 mm for Pro-X shafts.  
For 3 cushion shafts no less then 12mm.



**Figure 2.**  
Internal view



**Figure 3.**  
External view

1/2" on Ultra-X  
& 1/4" on Ultra-X LD or  
Pro-X shafts

Figure 3 shows how the ferrule should look after repair.

*\*Tiger X series shaft ferrules will not be covered by the manufacturers warranty if ferrule or shaft is altered in any shape or form. Example; ferrule is shorter than original ferrule length, the size is .25 mm undersize from the original shaft ferrule size made by the manufacturer (Tiger Products, Inc.). Visit [www.tigerproducts.com/store/home.php?cat=3](http://www.tigerproducts.com/store/home.php?cat=3) and see the shaft and ferrule specifications.*