

## LOCKING PIN MODIFICATIONS FOR GRIP 2-S AND GRIP 3 PREHENSORS

Consumers have requested that TRS provide some type of accessory that allows them to lock a GRIP 2-S or GRIP 3 prehensor for specialized tasks. Typically the locking of GRIP prehensors has been used for weight lifting and archery, or specialized tool control. The Locking Pin accessory was introduced to help provide a simple, effective, manual locking option. *NOTE: The modifications described here are for the GRIP 3, GRIP 2-S, and the GRIP 2-S Stainless models only. To use a Locking Pin with a GRIP 1 please consult TRS for additional instructions.*

The Locking Pin, when properly installed, prevents the thumb from rotating forward to the fully open position. A hole is drilled through the outer plates of the prehensor in a location suitable for the holding task desired. Use a new, sharp #11 drill bit to create the hole. It is possible to drill two holes to create two different locking positions. More than 2 locking location holes are not recommended. A separate storage hole may also be drilled towards the back end of the device next to the wrist adapter flange (see drawing below). Care must be taken when drilling such holes so as not to destroy any other components in the prehensor.

Consult with the user to determine what task(s) the Locking Pin will solve. Use the drawing below as a template for the approximate location of the locking pin. Fix the thumb in a position to accomplish the holding task required and mark the exact location where the pin hole will be needed to hold the thumb in this position. Be sure to consider the diameter of the pin (3/16") when determining the exact location of the hole. Drill the hole and deburr any sharp edges on each hole.

*NOTE: TRS cannot recommend that these modifications be performed, and once a GRIP prehensor has been modified it voids any warranty. Locking devices are inherently dangerous because they prevent a user from spontaneously "releasing" or "letting go". TRS cannot guarantee that the modifications described are reliable or that they are safe. Proceed with caution!*

