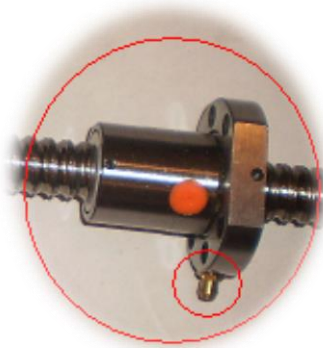


## **Ball Nut Maintenance & Upload/Offload**

### **LUBRICATING THE BALL NUT**

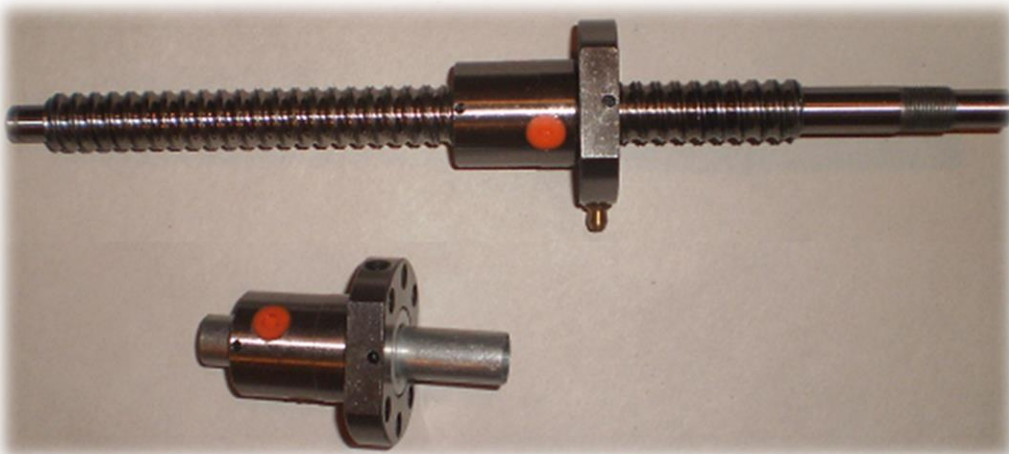
Utilize the integrated nipples on the ball nut for lubrication of the ball screw. We recommend Lubritech/Stabylam 5001 or an equivalent oil for optimal lubrication. To find a local Lubritech dealer, visit their website at <http://www.fuchs-lubritech.com/cms/?lang=en>.



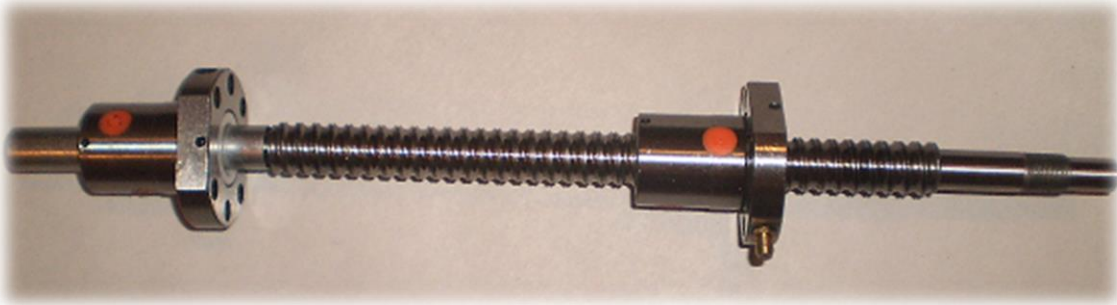
### **UNLOADING A BALL NUT**

Caution: The Motiontek ball screw nut should never protrude beyond the thread. Allowing the ball nut to exit the thread may result in the balls falling out, rendering it impossible to reload the ball nut. A special technique is required for unloading and reloading, as detailed below.

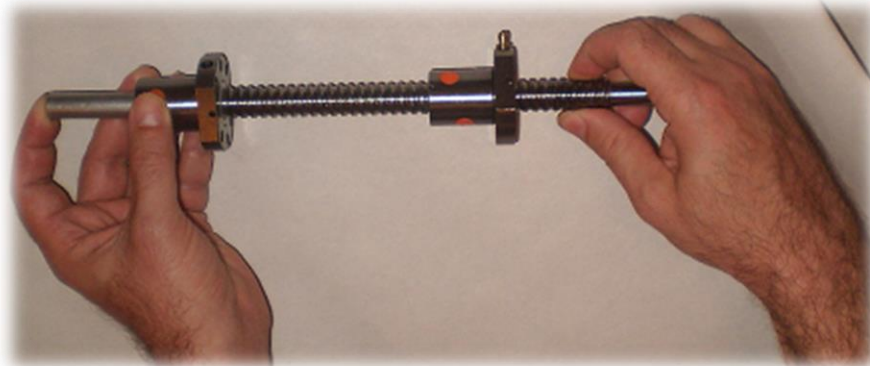
### **RELOADING A BALL NUT**



Refer to the accompanying image, which displays both a preloaded and unloaded ball nut with a ball retainer. The retainer, acting as a securing mechanism, is essential for keeping the balls in place. Do not remove the retainer until the ball nut has been successfully reloaded onto the screw.



Insert the small shaft of the screw inside the nut in a manner that eliminates any gap between the retainer and the screw thread. Ensure the small shaft passes through the retainer.



Hold the retainer with one hand, ensuring there is no gap between the retainer and the screw thread. With the other hand, hold the screw and begin gently turning it from left to right while applying consistent pressure to prevent any gap from forming between the retainer and the screw thread.



Continue turning in the same manner until a portion of the screw thread emerges from the other side. At this point, carefully remove the retainer once the ball is fully inserted on the screw.