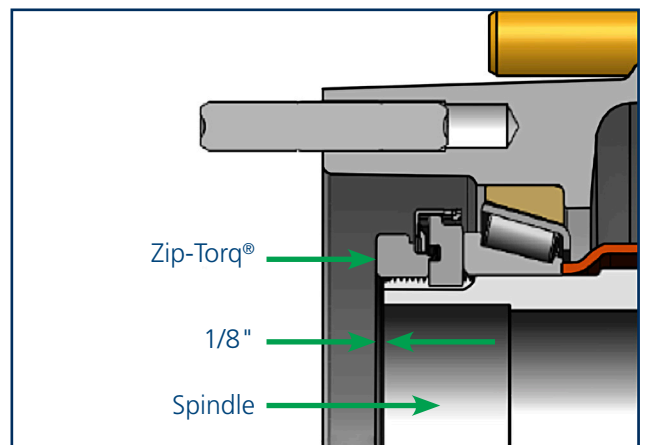


## ZIP-TORQ® Thread Engagement

STEMCO is very conscious of the role it plays in Wheel End safety. Products like the Zip-Torq® axle fastener embrace our vision of Making the Roadways safer. STEMCO is proud of the market acceptance Zip-Torq® has received and want to expand on a common question received when installing Zip-Torq® in the field.

On some applications, commonly the R drive application, the Zip-Torq® axle fastener may appear to protrude past the end of the spindle. As the pictures below reflect, while a slight protrusion is present, all of the visible threads on the Zip-Torq® are engaged. STEMCO has performed extensive testing on the Zip-Torq® thread's in comparison to the Pro-Torq threads. Based on this testing, STEMCO's recommendation is to ensure all visible threads are engaged and the Zip-Torq® will operate normally. The Zip-Torq should not protrude more than 1/8" past the end of the spindle during normal wheel end operation. If you have any further questions please contact a local STEMCO Sales Manager.



## ZIP-TORQ® Compatibility Check

In addition to the above scenario, some hubs when paired with the Zip-Torq®, on R drive application, allow the Zip-Torq® to protrude past the hub face causing interference between the nut face of the Zip-Torq® and the axle shaft flange. The hub face is the mating surface between the hub and the axle shaft flange.

In order to make sure that a Zip-Torq® can be installed with a certain hub, STEMCO recommends the following check after completing the recommended bearing adjustment:

1. Place a straight edge across the hub face (See Figure 1)
2. If the straight edge does NOT come in contact with the Zip-Torq®, then the Zip-Torq® can be used (See Figure 2)
3. If the straight edge does come in contact with the Zip-Torq®, remove the Zip-Torq® and replace with a Pro-Torq® (See Figure 3)

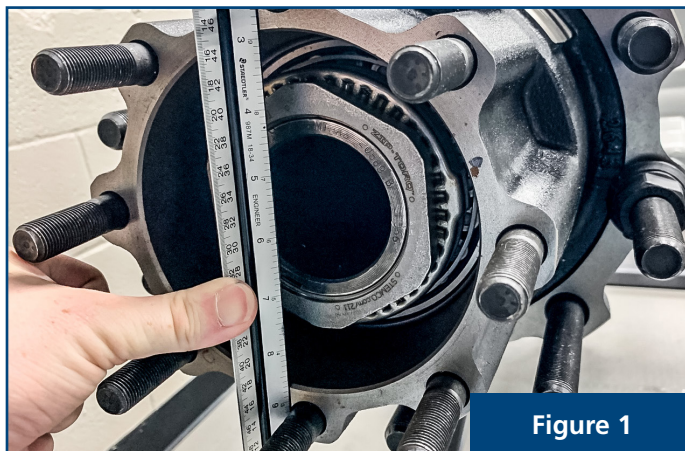


Figure 1

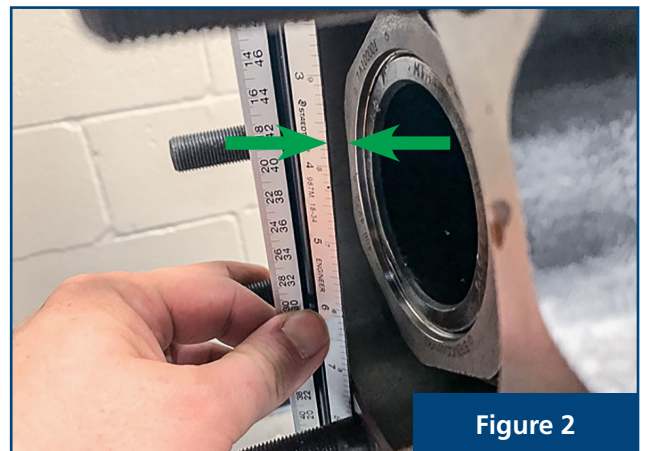


Figure 2

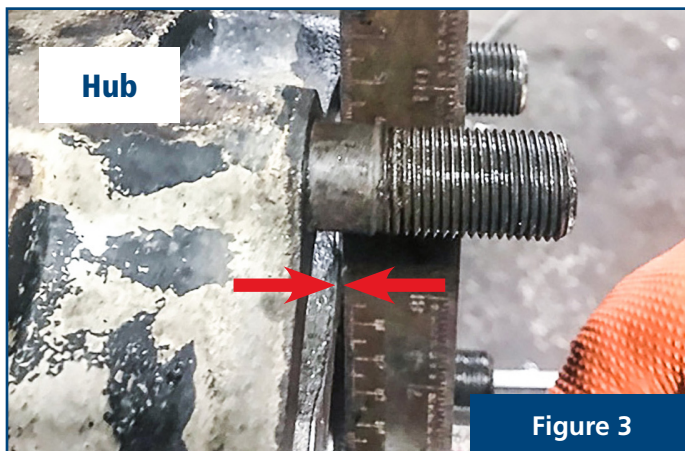


Figure 3

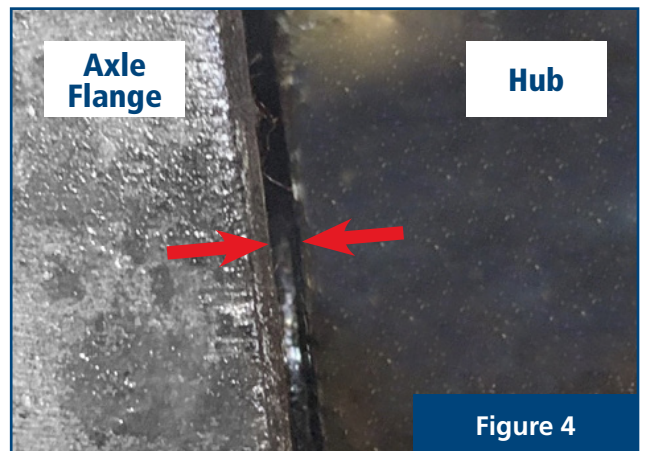


Figure 4