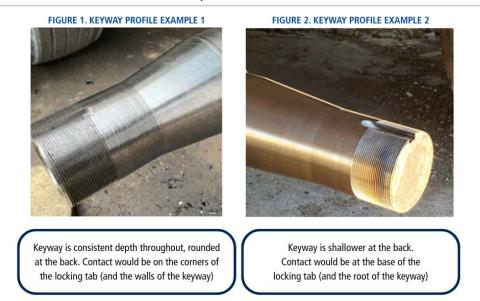
SPINDLE KEYWAY INTERFERENCE WITH AXLE FASTENER TANG

STEMCO HAS BEEN NOTIFIED OF AN INTERFERENCE ISSUE BETWEEN THE ZIP-TORQ OR AUTO-TORQ AXLE FASTENER AND SOME SPINDLE KEYWAYS THAT HAVE BEEN CUT DIFFERENTLY THAN MOST STANDARD APPLICATIONS.

The issue arises when the Zip-Torq or Auto-Torq tang "bottoms out" on either the base or the back of the keyway on the spindle. Figure 1 shows an interference example at the back, and Figure 2 shows an interference example at the base. Always check endplay with a dial indicator to ensure 0.001-0.005" is achieved for Zip-Torq or 0.000" is achieved for Auto-Torq. If excessive endplay occurs, first verify that the spindle threads, bearing journals, and seal shoulder are properly cleaned to allow full seating of the wheel end. If excessive endplay persists, there may be interference between the spindle keyway and the tang of the Zip-Torq or Auto-Torq axle fastener.

In the case of interference, STEMCO recommends switching from the Zip-Torq or Auto-Torq axle fastener to the Pro-Torq axle fastener.



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