TORX PLUS® Drive System

outperforms and outlasts every other drive system available today

The TORX PLUS® Drive System has proven to keep assembly lines running smoother and more efficiently by offering increased drive system strength.

Features

- 100% average improvement in drive bit fatigue life
- Elliptically-based geometric configuration provides larger cross-sectional area
- True 0° drive angle improves drivability
- Straight side walls eliminate camout and end load

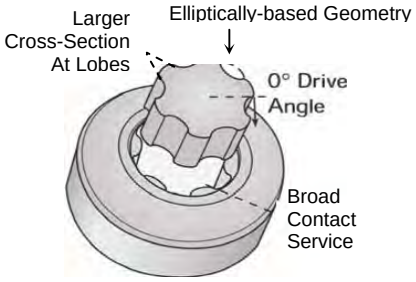
Benefits

- Significantly reduces bit usage and assembly line downtime from bit changes
- Allows optimum torque transfer and increased reliability
- Reduces fatigue and muscular stress during manual assembly
- Lowers scrap, rework and in-place costs

Standard Design Guidelines

- ♦ Fastener Sizes: M2 thru M25
- ♦ Drive Sizes: 1IP to 100IP
  Bits fit both inch and metric sizes
- ♦ Head Design: Can be used with all head designs
  Also available in double-ended studs
- ♦ Variations: External, TORX PLUS/hex, TORX PLUS/slotted, Tamper-Resistant

Most fastener drive systems have problems which are inherent in their design. For the hex drive system, it's a 60° angle which puts high stress on both the fastener and tool. Phillips-type recesses are prone to camout and require excessive end load to keep the drive bit engaged in the recess. The design of the TORX PLUS Drive eliminates these problems on the assembly line. In addition, TORX PLUS Drive is designed to ensure optimum torque transfer.



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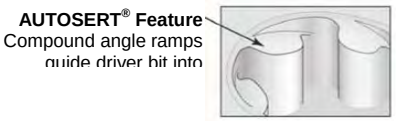
The TORX PLUS Drive System is also available with the AUTOSERT® feature for high rpm engagement. Compound angle guide ramps, used at each lobe, create a self-engaging action to allow the driver bit to be rotating at high rpm when it engages the recess. Under lab testing, 100% of recesses using the AUTOSERT feature were engaged with the TORX PLUS Drive bit spinning at 700 rpm.



On the assembly line, the TORX PLUS Drive System has greatly surpassed our customer's expectations. All have been significant improvements in drive bit life and productivity. One customer went from using 12 – 24 Phillips bits per day to using only 4 TORX PLUS bits in a 4 month period, saving them $15,000 in drive bits alone. The most significant savings came in not shutting down the assembly line 3 – 6 times each day to change drive bits. Companies across the globe have seen drive bit usage drop by over 50%, reduced scrap and rework, reduced worker fatigue complaints and improved quality.

acument® GLOBAL TECHNOLOGIES

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