

TORX® Fastener Drive System

Item: 1244

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The TORX® Drive System was specifically designed to **provide a simple, costeffective solution** to the problems inherent in the process of installing and removing fasteners. Used in a multitude of industries, the TORX Drive System can **enhance product reliability, increase productivity, and reduce total assembly costs** - all of which are keys to remaining competitive in today's marketplace.



MORE IMAGES

[External TORX Drive](#)
[TORXSTEM Double-End Studs](#)
[Tamper-resistant TORX Drive](#)
[Authentic TORX Drive System](#)
[Internal TORX Drive Selection Guides](#)
[External TORX Drive Selection Guides](#)

FEATURES & BENEFITS OF THE TORX® DRIVE SYSTEM

15° Drive Angle

- Provides high torque transfer
- Radial forces are drastically reduced, resulting in a longer tool life

Straight, Vertical Sidewalls

- Increases tool engagement
- Unlike cruciform drive systems, no camout forces are created to push the driver up and out of the fastener
- Since camout is virtually eliminated, little or no end load is required
- Ergonomic studies have shown the TORX Drive System can reduce fatigue and muscular stress during the manual assembly of fasteners
- Recess completely encloses drive bit, minimizing tool slippage and the damage and injuries it can cause

Broad Contact Surface

- Provides greater depth of lobe engagement between the driver and the fastener
- Allows driving forces to spread over a broader surface, as opposed to the point contact of many drive systems
- Allows more efficient torque transfer
- Extends tool life Inch and Metric in One Drive Tool
- Same-sized drive tool seats both inch- and metric-sized fasteners
- Add or convert to metrics later without a tooling change

Inch and Metric in One Drive Tool

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VARIATIONS OF THE TORX® DRIVESYSTEM

EXTERNAL TORX® DRIVE

- Provides an excellent alternative to hex or 12-point drives
- External TORX sockets are smaller in diameter than standard hex sockets used for the same-size fastener
- Provides greater flexibility when designing for drive socket clearance

TORXSTEM® DOUBLE-END STUDS

Since most double end studs lack a drive system, it is necessary to grip the threaded portion of the stud in order to drive it, which can result in thread damage. A special external TORX configuration extruded onto one end of the TORXSTEM® double end stud simplifies driving.

- TORXSTEM studs are installed using a TORX socket to increase productivity and reduce thread damage and rework

TAMPER-RESISTANT TORX DRIVE

DOWNLOADS

[Variations of The Torx® Drive System](#)
[If It Doesn't Say Torx® Drive, Will It Do The Job?](#)
[Features & Benefits of The Torx® Drive System](#)

This unique TORX variation incorporates a solid post formed in the center of the recess during the heading process.

- When combined with a countersunk or button head design, the fastener is extremely difficult to remove without a special tamper-resistant TORX Drive tool.
- Unlike some other tamper-resistant fasteners, installation on the production line is easy with the proper tool

DUAL DRIVE SYSTEMS

The TORX Drive System can be combined with either an external hex or a slot to provide a dual drive system.

- Provides the option of driving or removing the fastener with commonly available TORX tools or with a hex socket or slotted screwdriver
- Slotted TORX recess has a slot which is enclosed at the ends, so the driver is less likely to slip out and damage surrounding surfaces

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