

HEXSTIX® STABLE DRIVE SYSTEM

APPLICATIONS

DRIVER SIZES: H15 THRU H50

SCREW SIZES: M3.5 (#6) THRU M10 (7/16 IN)

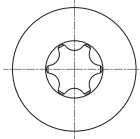
TRANSMISSIONS
TRANS-AXLES
DIFFERENTIALS
INSTRUMENT PANELS
SUSPENSION COMPONENTS

INTERIOR COMPONENTS
DOOR PANELS & ATTACHMENTS
DOOR FRAMES & HINGES
SEATS & RESTRAINT SYSTEMS
ACCESSORIES & ATTACHMENTS

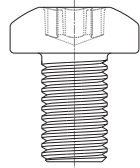
BODY COMPONENTS & ATTACHMENTS
ENGINE & DRIVE TRAIN COMPONENTS
MACHINE SCREWS
THREAD-CUTTING SCREWS
THREAD-FORMING SCREWS

OVERVIEW

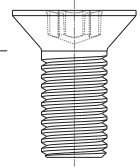
PHILLIPS SUPPORTS
MULTIPLE HEAD-STYLE
OPTIONS IN VARIOUS
SCREW SIZES AND
THREAD TYPES.



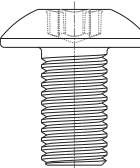
PAN HEAD



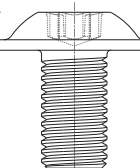
FLAT HEAD



TRUSS HEAD



FLAT-TOP, ROUND-
WASHER HEAD



Engineered to deliver exceptional stability and alignment in one-handed applications.



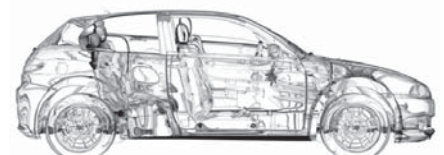
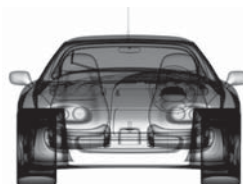
The HexStix® Stable Drive System increases speed and efficiency in one-handed applications of assembled components. The screw recess design has an outstanding ability to hold firmly to the driver bit at the point of assembly – with no magnetic bits or vacuum screw holders required. For maintenance and field use, standard driver bits can be used to remove or replace HexStix screws.

FEATURES

- Highly compatible lobular design ensures screw sticks securely to driver bit
- Superior stability and axial alignment
- HexStix replaces traditional TORX® or generic 6-lobe screws
- Secure engagement of screw recess to driver bit maintains backwards compatibility to generic TORX drive bits
- Meets or exceeds industry strength standards for lobular drive systems

BENEFITS

- Reliable one-handed application of screws at point of assembly
- Enables operator to start the screw more easily and reduces risk of cross threading
- Magnetic bits or vacuum screw holders are not necessary
- Virtually eliminates dropped screws in assembly area and on factory floor
- Interchangeable with traditional TORX® driver bits



HEXSTIX® STABLE DRIVE SYSTEM

Minimum Ultimate Torque

Bit strength is an important parameter in the design of internally driven fasteners. It's the starting point for determining appropriate fastener diameter, head style and size, and indicates the type of material to be used.

HexStix® Drive System strength performs similarly to six-lobe drive systems currently available. The table below lists the minimum torsional requirement that bits must withstand under standardized testing for each size designated.

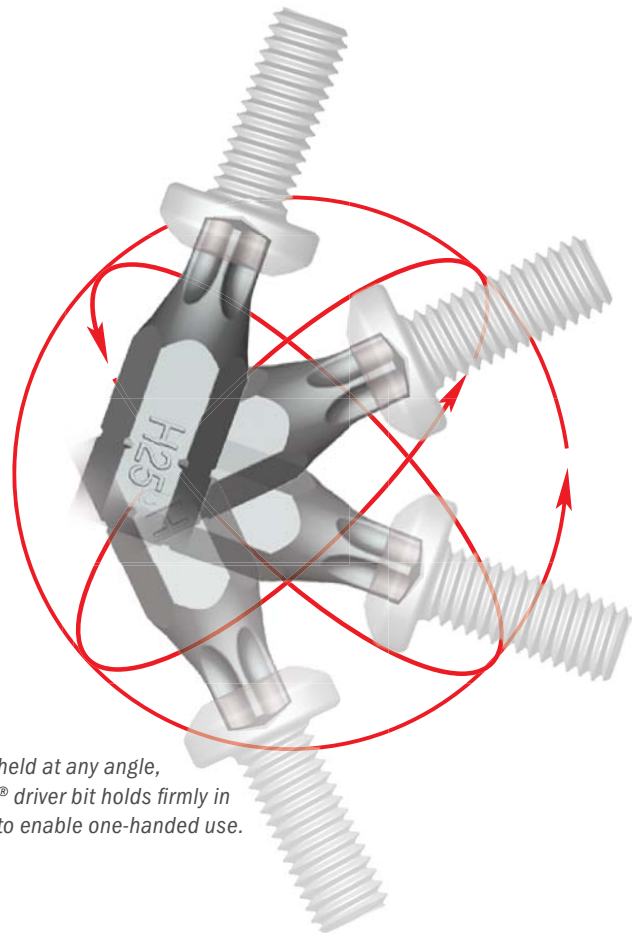
HEXSTIX® DRIVE SYSTEMS	APPROXIMATE FASTENER DIAMETER RANGE Inch (mm)	MINIMUM ULTIMATE DRIVER BIT TORQUE* (in-Lbf)	MINIMUM ULTIMATE DRIVER BIT TORQUE* (Nm)
H15	#6 (M3.5)	70	7.9
H20	#8 (M4)	115	13.0
H25	#10 (M5)	170	19.2
H27	#12 (M5)	240	27.1
H30	1/4 (M6)	335	37.8
H40	5/16 (M8)	575	65.0
H45	3/8 (M8)	910	103
H50	7/16 (M10)	1,400	158

* For optimum bit life, Phillips recommends NOT exceeding 50% of Minimum Ultimate Driver Bit Torque. Contact Phillips for appropriate drive size selection.

Values shown in the tables are to be used as a guide only. They are subject to change without notice. Please refer to the appropriate Phillips drive systems standards for current information.

HexStix® Drive System: The 360° fastening solution.

Screws are securely engaged on bits prior to application. No matter what orientation—or whether the drive tool is operating—the screws will not drop off. Additionally, unwanted contact with adjacent components during assembly or while operating in blind spots will not affect the effectiveness of the stick-fit. Once the screw is tightened in the application, the bit is easily removed.



*Even when held at any angle,
the HexStix® driver bit holds firmly in
the recess to enable one-handed use.*

