

## **ASTER™ Tool**T-Handles & L-Wrenches





 Tools are designed and optimized to fit ASTER™ threaded pin one-sided fasteners

- Available in both T-Handle and L-Wrench options
- Precise machining means every tool fits perfectly in fastener head, minimizing breakage and stripping
- Bondhus is licensed and certified by LISI AEROSPACE to manufacture and distribute ASTER™ Drive Tools
- Tools made from Protanium® High Torque steel - up to 20% stronger than competitive tool steel
- ProGuard<sup>™</sup> finish to provide up to 5 times the resistance to rust and corrosion of competitive finishes
- An "ASTER™ Drive Tool Certificate of Conformity" is included in each package of tools







High Torque Steel:

Up to 20% stronger, with more torque and twice the wear resistance of standard grades of steel.

## FINISH OPTIONS:





Corrosion-resistant finish:

Environmentally safe, provides better tool grip, resists solvents and is 5 times more corrosion resistant than competitor finishes.

## The ASTER™ System

Before installation





After installation





The ASTER™ recess remains intact

Hex recess rounded with broken bit in position

Stress comparison





- The ASTER™ system offers the best performance in torque capability for one-sided installation threaded fastener systems.
- The specific geometry is designed to reduce radial stress in the fastener providing higher torque transmission.
- Installation issues encountered with hexagonal hold systems, such as hex recess wear and damages situations, are resolved without impacting fastener performance.
- The patented ASTER™ five-lobe system was developed to eliminate installation problems associated with clearance-fit or transition fit applications by sustaining higher torque than the conventional hex recess for one-side assembly threaded fasteners.

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