

INNOVATION.  
NOT DUPLICATION.™



## PROTECH™ SINGLE SIDED BOLTING

H-E PARTS INTERNATIONAL (H-E PARTS) SPECIALIZES IN PROVIDING WEAR MANAGEMENT SOLUTIONS. OFFERING A FULL RANGE OF PROTECH™ WEAR PROTECTION PRODUCTS, H-E PARTS PROVIDES THE RIGHT MATERIAL OR COMBINATION OF MATERIALS FOR EACH APPLICATION.

### PROTECH™ SINGLE SIDED BOLTING SYSTEM

The ProTech™ single sided bolting system was developed by H-E Parts as a solution to improve maintenance efficiencies of wear material change-outs, while providing a safer and more cost effective option over our competitors.

Additional benefits to the ProTech™ single sided bolting system are:

- Reduced cost as the bolt does not require specialized tooling to install or remove
- Reduced down time, labor costs, and scaffold requirements due to install and removal by one person, from inside of the chute
- Increased safety through the limitation of falling objects and elimination of hot works
- 20 grams (.7 ounces) providing a lightweight alternative to competitor products, while possessing the capability to withstand 5 tonnes (5.5 tons) of pulling force each





# PROTECH™ SINGLE SIDED BOLTING

## EASY TO INSTALL AND REMOVE

### Simple installation

- Place the countersunk/threaded grommet inserts into the hole in the wear material
- Take standard sized bolt (M16) and screw the nut to ensure two threads of engagement (minimum)
- Put the assembly through the hole in the wear material and chute
- Use standard impact wrench with HEX tool and tighten the assembly

### Easy removal

- Use standard rattle gun with hex tool and unfasten the bolt (leaving only 2 threads of the nut connected to the bolt)
- Grip the bolt head and pull out the assembly. Should leverage be required, apply small force



Installation using standard tooling



Nut locking mechanism on external side

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CRUSHING SOLUTIONS

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