



## Product datasheet

# Cone crusher tooling

## Lock nut / bolt tightening tool

Our customers asked for a more efficient and safer way to assemble and maintain their cone crusher head assembly. Our upgrade solution provides safety during maintenance, improves crusher reliability and reduces downtime.

### A safer and easier way to work

The industry standard method for tightening and loosening the locking nuts and bolts is outdated. Without a safety upgrade, the task puts maintenance and operations personnel at risk. Our tool system improves the safety and performance of your crusher maintenance without sacrificing reliability.

### Benefits

- Improves safety
- Improves reliability
- Improves overall assembly process
- Improves maintenance procedure
- Adapatable to multiple models

# A simple upgrade to improve safety and equipment reliability

## Problems with traditional design

In the past, mantle changes for a cone crusher have been a safety concern and introduced risk to plant operation when not performed correctly. The traditional method requires manual slugging and lightweight tools for the job, creating a potential for inconsistencies in the assembly.

## Upgrade Solution

We combined proven technology and innovation to create a design that eliminates your safety concerns while at the same time making maintenance easier.

## Improvements

- Reliable and consistent tightening with impact hammer
- Simplified removal for difficult applications
- Replaces antiquated manual slugging with a safer method
- Fully integrated with existing designs
- Adaptable to multiple crusher designs

## Upgrade package

- Tightening arm
- Mounting hardware
- Locking nut adapter (when needed)
- THUNDERBOLT Recoilless Hammer



## Upgrade components

1. Bar-type spider
2. Spiral bevel gearing
3. Countershaft assembly

## Assembly procedure

- Install torch ring
- Install locking nut
- Install adapter (not shown)
- Install tightening arm & hammer
- Tighten nut and weld torch ring
- Install feed plate (not shown)

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