

## Grinding retrofits

# Inching drives

Slowly turning your mill to ensure safe and optimal maintenance work



### Your challenge

Positioning and rotating a loaded mill can be difficult. If not performed correctly, your equipment and team can be put at risk.

### The Metso solution

An inching drive retrofit featuring:

- Custom designed drive and power unit
- Safety interlock system
- Accessory kits

## Custom designed inching drive

### To help during maintenance work

- Capable of positioning and rotating a loaded mill at low speeds
- Typically used to balance the charge inside a mill during maintenance activities, such as liner replacements, inspection, and alignment of major components
- Plays a key role in preventing drop charges when starting up the mill after a prolonged downtime
- Customized to fit your existing drive train layout, either by direct coupling to the pinion shaft or to the reducer's high speed shaft
- Design can include different mounting types, such as bracket-mounted with the use of a soleplate or mounted to a torque arm with the use of a reaction bracket

## Safety interlock system

### To prevent accidental mill start-up

- An additional safety measure for maintenance work, when the inching drive is engaged

## Accessory kits

### To make the drive adaptable to other mills

- Allows the inching drive to be portable and adaptable for additional mills
- The kit includes: a sole plate, driven gear hub for mounting, coupling guard, and a set of interlocks to connect the inching drive to the drive motor

## Why Metso services?

- As the OEM of your mill, Metso has the expert knowledge to maximize its life
- With detailed drawings, design expertise and field service personnel, Metso's services are reliable, accurate and timely



Drive unit assembly



Safety interlocks



Manual coupling