Parts and components
For improved reliability and quality, backed by the support of our experts and flexible solutions.

Part of Metso Contender™ Series for non-Metso grinding mills.

Benefits
- Improved reliability
- Fit-for-purpose parts made to correct OEM design flaws
- Enhanced quality
- Use of better material when applicable and held to strict standards and tolerances

The Metso solution
Customized, fit-for-purpose components that aim to improve the reliability of your machine. From a supplier to a full-service partner, Metso is here to support you. Our engineers can design:
- Heads
- Shells
- Gears and pinions
- Main bearings
- Trunnions & liners

How it works
Our experts collect all critical information of your mill and take measurements using conventional tools. Next, Metso engineers use scanning technology and point cloud models to design the parts, all according to Metso standards. Design improvements or material alternatives are recommended where applicable to enhance reliability and quality. Parts are then supplied with our field service personnel available for commissioning.

Why partner with Metso
Metso has a proven history of designing, manufacturing, and servicing grinding mills and components. Our extensive range of global expertise allows us to be a flexible service partner. We can fulfill standard and customized parts orders as well as supporting you during a breakdown. Our network of over 1500 field service experts are available 24/7 for planned and emergency repairs, inspections, and installation.

Brands we can support
- Thyssenkrupp/Polysius
- FLSmidth
- Farnell Thompson
- Fives
- CITIC
- Osborne
- KHD HUMDBOLT
- NHI
- ANI
- Aerofall

Ask about our range of parts as well as custom retrofit grinding solutions.

Financial solutions
Long-term amortization of CAPEX, bundled packages, and flexible payment terms to reflect your business goals
Discover your options for
Grinding mill parts and components

Heads
Material: cast ductile iron or cast steel
Design standard: Metso FEA
Segments: one, two, three, or four
Type: feed/discharge, fixed/float, integral with the trunnion

Shells
Material: fabricated steel (welded)
Design standard: Metso FEA
Sections: integral, two or three cans
Segments: one, two, or three piece

Gears and pinions
Material: cast ductile iron, cast steel, fabricated steel
Design standard: AGMA 6014 for open gearing
Section structure: T or Y design
Segments: two-piece or four-piece gears
Upgrade options: drop-in pinion assembly, gear guard and components, gear spray infrared monitoring system

Trunnions
Material: cast ductile iron
Design standard: Metso FEA
Type: feed/discharge, fixed/float

Trunnion liners
Material: cast iron or fabricated steel
Wear material: vulcanized rubber lined or lifter and plate style replaceable bolt in
Type: feed or discharge

More for your grinding mill

Inspections: From quick visual and vitals to detailed custom inspections for your mill and its key components

Repairs: With a team of over 1500 global field service experts, we can carry-out planned repairs and are extremely responsive in emergency situations

Retrofits and upgrades: Your existing assets have the potential to take on significant improvements. Our team of experts can support you throughout, from identifying retrofit options to implementation

Life Cycle Services: Custom service packages focusing on parts supply and inventory, maintenance, process optimization and more

Discover our service portfolio: metso.com/mining-services