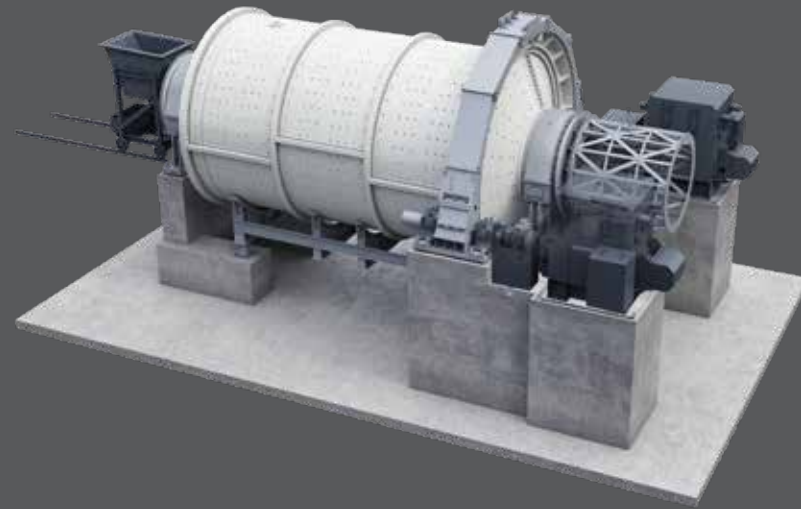


Parts and components

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.



Is the OEM of your equipment slow to respond to standard requests or in an emergency situation? Are they no longer in business or struggle to provide quality parts that meet your specific needs?

Whatever the issue may be, you might consider finding a partner who can better support your operations.

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

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

Financial solutions

Long-term amortization of CAPEX, bundled packages, and flexible payment terms to reflect your business goals

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

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/floating, 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



Trunnions

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



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



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



Main bearings

Material: fabricated steel (welded)
Type: hydrostatic/hydrodynamic (sleeve/pad), fixed/floating
Design standard: Metso FEA
Upgrade options: bearing insert (bronze, babbitt), seals, temperature monitoring systems, lubrication unit

More for your grinding mill

Inspections: From quick visual and vitals to detailed custom inspections for your mill and it's 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](https://www.metso.com/mining-services)