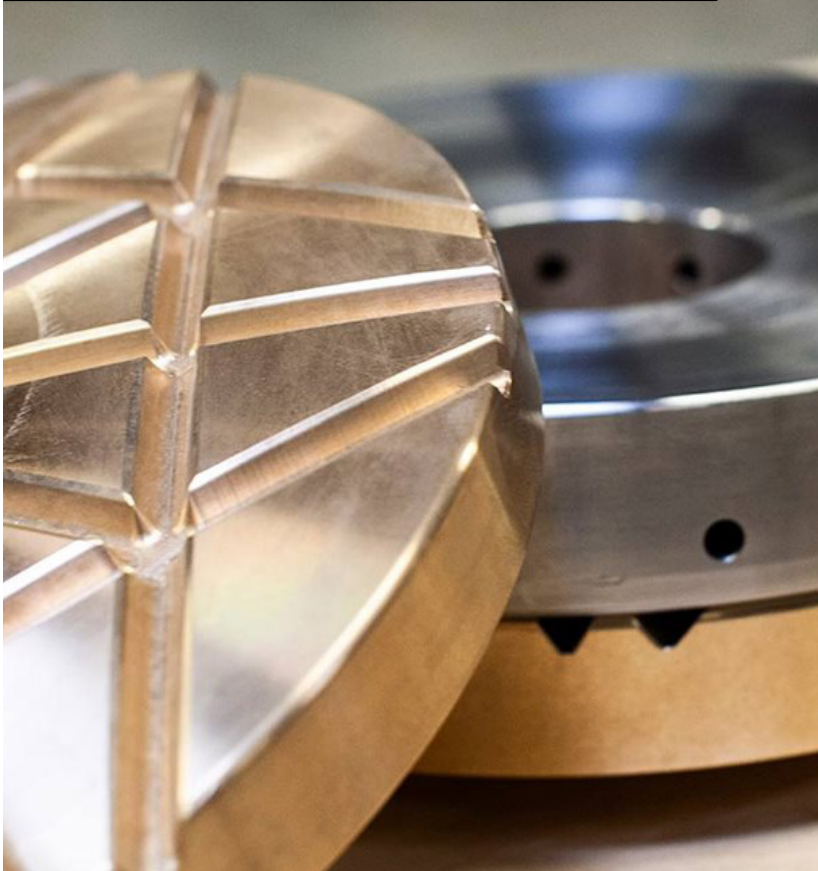


Metso:Outotec

Parts and Components

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



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

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

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 Outotec solution

Customized, fit-for-purpose components that aim to improve the reliability of your machine. From a supplier to a full service partner, Metso Outotec is here to support you. Our engineers can design **heads, shells, gears & 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 Outotec engineers use scanning technology and point cloud models to design the parts, all according to Metso Outotec 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 Outotec?

Metso Outotec 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 Humboldt Wedag
- NHI
- ANI
- Aerofall

Read more at
mogroup.com/portfolio/contender-series

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 & flexible terms to reflect your business goals

Discover your options for

Grinding mills parts and components

From parts supplier to full-service partner, Metso Outotec can support you - no matter the brand of your grinding mill.



Heads

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



Trunnions

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



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 monitor system



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



Shells

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



Main bearings

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

More for your grinding mill

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

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

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

Retrofits & 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