

Grinding wear parts

Grinding media

Application

SAG mills, Ball mills, Rod mills and Vertimills



Maximize grinding media life, improve production efficiency and lower energy consumption through expert, customized product selection and grinding media designed to last.

Read more at:

 [metso.com/GrindingMedia](https://www.metso.com/GrindingMedia)

Reducing grinding media consumption

Mines today aim to produce as much as possible at the lowest sustainable cost. To achieve this, equipment including wear and spare parts need to be of high quality and designed to keep mills rolling. Moreover, installations need to be carried out correctly and quickly, while making sure that safety is never compromised.

The grinding media you select has a profound impact on grinding cost and performance, and the potential for savings is significant.

Unmatched grinding media expertise

Metso offers a unique combination of quality grinding media manufacturing, unmatched expertise in grinding processes and optimization services that help you achieve the lowest sustainable cost for your operation.

Our grinding media knowledge and manufacturing is built on over 40 years' experience. Our combined expertise enables

us to offer products that meet your needs at a competitive price.

From our complete range of grinding media, we help you choose the optimal media for your application based on the characteristics of your ore and mill. Your grinding media consumption can be reduced by selecting exactly the right type of product.

Extended life of your grinding media reduces the frequency of recharging, which means safer installations. In addition, Metso has developed a unique media loading system which leads to a safer work environment.

By combining the right choice of grinding media with optimized mill linings and services, we help you improve grinding efficiency and profitability. Metso is the only company capable of supplying a full comminution offering including equipment, grinding media and mill linings of all types and materials.

Benefits

- Improved production and energy efficiency
- Lower total cost with the correct media
- Continuous improvements
- Reliable supply - global scale, world-class manufacturing and logistics
- Worldwide service network, support where and when you need it

Case: Kirkland Lake Gold, Canada

20% reduced grinding media consumption

Kirkland Lake Gold is an operating and exploration gold company in Kirkland Lake, Ontario. Metso supplies the mine with both mill lining and grinding media.

Challenge

- Customer wished to improve production and lower costs, without compromising safety

Solution

- Metso optimized the wear parts design and materials for their specific application

Results

- Grinding media consumption reduced by 20%
- Dramatic mill lining improvements
- No lost time due to safety incidents



"We are extremely happy with the services associated with Metso's wear parts supply, including measurements, installation and constant improvements"

Gerry Dal Pai, Process Manager,
Kirkland Lake Gold