



Ball Mill Liners for Mineral Beneficiation

Polycorp has a long, successful heritage in the mining industry, and is recognized as an international supplier of premium Mill Liners. Polycorp has installed Rubber Liners in ball mills up to 24ft/7.3m in diameter, and has supplied Mill Liners for more than 300 mills worldwide.

Polycorp Ball Mill Liners provide long, low maintenance, service life. In addition to protecting and sealing the ball mill's steel shell, the liner imparts motion into the ball charge. Careful, intelligent, liner design can help to improve the operation and performance of grinding mills.

Polycorp's Ball Mill Liners are designed and arranged so that the lifter bars can be easily replaced without affecting the shell plates, which can typically outlast lifter bars by two to one. Our lifter bars are engineered to be compatible with most shell and end liner plate designs. In addition, our parts utilize the current bolting holes. This eliminates the need to drill new attachment holes. All components are molded to meet specific mill and operating conditions.

Custom Designed Mill Liners

- PolyStl™ Liners
- Combination Liners
- Rubber Liners
- Rubber Metal Pulp Lifters
- Rubber Grates
- Discharge Systems

Polycorp Liners are made of tough abrasion resistant rubber with decades of proven field use, guaranteeing their ability to withstand the relentless pounding of mill action. They are available in a selection of profile designs and sizes to give excellent performance under various milling conditions.

Key Features of Polycorp Ball Mill Liners

Lower Cost	Polycorp rubber liners are very cost effective, as “cost per tonne” of grinding ore is lower.
Longer Life	Premium natural rubber blend provides superior impact and abrasion resistance resulting in longer service life.
Less Maintenance	Long service life reduces maintenance intervals and costs.
Faster / Safer	Rubber Components are lighter and easier to handle during maintenance and liner changes.
Reduced Noise	Rubber liners reduce mill operating noise to safer levels by absorbing impact against the shell.
Reduced Weight	Rubber Liners are about 1/7th the weight of similarly sized steel mill liners.
Reduced Inventory	Rubber mill liners have a predictable wear rate so inventory planning is easy.
No Leakage	Rubber mill liners seal the shell eliminating slurry leakage from the mill.
Increased Bearing / Pinion Life	Reduced weight and power draw at startup increase the normal life of the pinion gear and bearings.
Easy to Manage	Shorter lead times insure quick delivery of required spares.

