



Rubber Metal Discharge Systems

Polycorp specializes in the design and manufacture of Radial and Curved Pulp Lifters, Dischargers, and Grates. Polycorp Discharge Systems are suitable for AG/SAG and Primary Mills with grate discharge liner configurations. Polycorp's Rubber Metal Discharge Systems are manufactured using a specially formulated high wear resistant rubber, which is carefully hand laid onto an engineered metal support structure.

Polycorp has installed Rubber Metal Discharge Systems in SAG mills up to 38 ft/11.6 m in diameter worldwide. Polycorp Discharge Systems can be easily retro-fitted using existing mounting holes in the discharge head. Polycorp Discharge Systems are specially designed to improve mill throughput and avoid over grinding.

Polycorp Rubber Metal Discharge Systems are designed and manufactured using a special wear resistant rubber for longer operating life, and can also be designed with replaceable wear inserts (ceramic, high alloy steel, etc.) at maximum wear zones.

To ensure fit at the site, as part of our quality checks, Polycorp Discharge Systems are pre-assembled on the plant floor using wooden mill head mock-ups. This ensures that the holes line up and avoids any misalignment.



Polycorp has supplied the mining industry with Mill Liner Systems since 1968, with over 300 Mill Liners installed in many countries worldwide. Polycorp is recognized as an international supplier of premium Mill Liners.

Polycorp's primary objective when designing and manufacturing Discharge Systems is to enhance the customer's operations. This can often be achieved via design optimization with a focus on solving current operation issues or meeting the customer's future goals. Typical customer goals include prolonging material change-outs and/or improving throughput. Polycorp has demonstrated success in extending service life, increasing production rates, and reducing down time - all of which result in lower cost per tonne operating burden.

Polycorp offers the following services to help optimize Discharge Systems design and operation:

- Consultation on current operating conditions and operating goals
- Design optimization and continuous design improvement
- Design analysis including simulation as required
- Wear monitoring and reporting
- Onsite technical consultation as required
- Slurry flow simulation to assess flow restrictions where required
- "Crash-Stop" study to check for slurry pooling where required

