Chutes are used to transport material from one process step to another in mining operations. When material is fed into a process or discharged from it, chutes collect, convey and prepare the material flow for the following processing phase. Chutes are used with crushers, feeders, conveyors, stackers, and grinding mills.

**Benefits**

- **Customization**
  Tailored for your operation and production targets.

- **Excellent wear life**
  Reduce costly liner maintenance.

- **Upgrades and retrofits**
  Expert services and a wide range of chute liners.

**Customized chutes for mining operations**

Metso designs, manufactures and supplies engineered and tailored chute solutions to your exact needs. This includes lined hood and spoon style chutes as well as our Wearback™ chutes, which are the industry leading rock-on-rock transfer technology.

All chute designs are backed by extensive computational simulations ensuring the best possible solution for the given application.

Metso technology is used in:

- Conveyor transfer chutes
- Crusher feed and discharge chutes
- Feeder discharge chutes
- Tripper chutes
- Stacker chutes
- Mill feed and discharge chutes

**Excellent wear life**
Wearback™ chutes are designed with a series of curved and straight ledges allowing material to build up throughout the transfer, forming a layer of material as the wear medium. This so-called rock-on-rock chute design increases wear-life on average by up to 400% compared to conventionally lined hood and spoon style chutes.

Wearback™ chutes are the preferred choice where there are considerable drop heights and changes in feed direction. They are designed to ensure soft loading to the outgoing conveyor by delivering material at velocities that closely match the conveyor speed. Softer delivery minimizes top cover wear and reduces the risk of impact damage to the conveyor belt.

A full computational analysis is performed on each chute design to ensure optimum performance.

Upgrades and retrofits

In many cases, increases in throughput can be achieved by updating the old chute with a tailored chute liner package or as an alternative, converting the chute from a traditional design to a high performing low-wear Wearback™ chute.

Metso has a wide range of different type of chute liners that are available in industry-standard sizes but also can be fully customised for your unique application.

Our expert chute and mining teams can also install and maintain chutes and chute liners when required.

Chute liners

Metso has a wide range of different type of chute liners that are available in industry-standard sizes but also can be fully customised for your application.

We design and manufacture rubber liners, metallic liners, ceramic liners as well as liners that combine the best properties of these materials.

Our expert chute and mining teams can also install and maintain chutes and chute liners when required.