

Gold Mine Revolver Skirt Liner System

Location	Perth Region, Western Australia
Platform	Ceramic Skirt Liners
Conditions	High Abrasion or Hard Rock
Solution	Revolver Skirt System

Situation

A gold mine was facing operational challenges due to confined space requirements for liner change-outs, which posed serious safety risks. The use of ceramic skirt liners led to premature failures, increasing downtime and costs. Additionally, the liners were non-standardised, complicating maintenance procedures. The guarding system in place did not meet the AS4024.3610 safety compliance standards.

Solution

Bradken introduced the Revolver Skirt System to address these issues. This system allows liner change-outs to be performed externally, eliminating the need for confined space access. It features standardised liner arrangements and uses 32mm Duablock skirt liners for enhanced durability. The system also includes adjustable liner height to suit varying operational needs.

Results

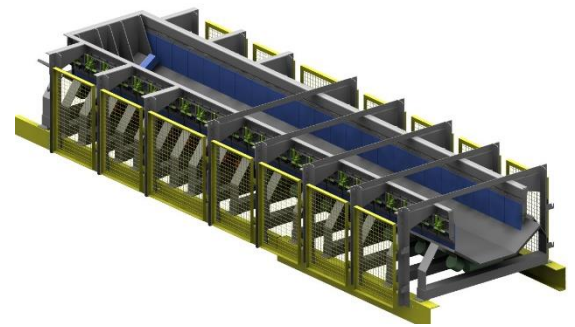
The implementation significantly improved safety by removing confined space entry requirements. Maintenance costs were reduced due to longer-lasting liners and simplified replacement procedures. The wear life of the liners was extended, improving overall operational efficiency. The new guarding system met the AS4024.3610 compliance standards, ensuring regulatory adherence.

Results:

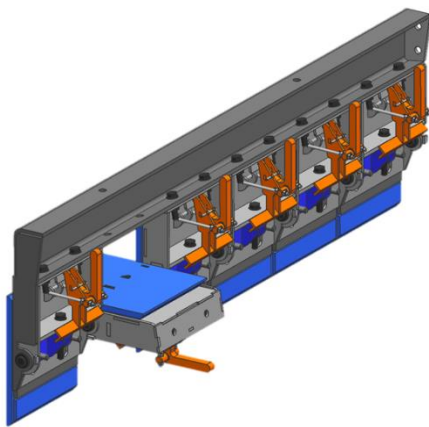
- Improved safety through external liner change-outs
- Reduced maintenance costs and downtime
- Extended wear life with Duablock liners
- Compliance with AS4024.3610 safety standards



Discharge Chute Including Skirt Liners



Isometric View of Revolver Design



Isometric view of revolver showing one skirt being changes.



Revolver Installation End View



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