



## Product datasheet

# Upgrade your SAG mill feed chute seal

Avoid the devastating consequences of leaks by choosing a feed chute seal designed to perform under pressure. Our chute seals are robust and lasting, so you never have to worry about slurry spillages.

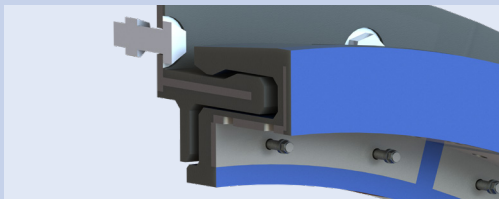
A proper seal makes all the difference in the way your SAG mill performs. A relatively minor wear part, the feed chute seal affects performance, lifecycle and safety with your SAG mill – and the stakes are high should it happen to fail.

One of the main issues with poor sealing between the inlet chute and mill is the failure to retain water inside, creating seepage and loss of process water. This results in poor housekeeping, and it can be a safety hazard for plant personnel.



## Benefits

- Precision-moulded design minimises possibility of slurry leaks
- Robust construction lengthens life span, reducing changeouts and stoppages
- Easy, fast installation decreases downtime
- Improved sealing performance leads to better housekeeping and safer operation
- Upgraded chute seal can be retrofitted onto any existing SAG mill



# FLS

# A chute seal you can count on

SAG mill chute seal failure not only creates unsafe conditions, it also costs you time and money. An upgrade now can prevent issues that would cause your operation unnecessary downtime.

## Why SAG mills leak

- Inlet chute seal is constructed from material prone to wear
- Slurry flow rates are too high to be retained within the mill
- Inefficient seal design creates insufficient contact/sealing
- Single-piece seal construction leads to imperfect alignment, causing leakage
- Complex seal design results in damage during installation, establishing poor contact



## Consequences of SAG mill feed chute leakage (a sample case study):

- 400 tph gold operation with ore grade of 0.1 oz / ton
- Leaking feed chute contaminates main bearings and lubrication unit
- Cleaning/flushing main bearing oil results in 24 to 48 hours of downtime
- $400 \text{ tph} \times 0.1 \text{ oz / ton} = 40 \text{ oz of lost gold production / hr}$
- $40 \text{ oz} \times \text{US\$1,800 per oz (example)} = \text{US\$72,000 of lost production per hour, or almost US\$3.5 million lost over 48 hours}$



## Why upgrade to an FLS feed chute seal

- Polypropylene construction is resistant to abrasion and corrosion
- Seal geometry establishes superior contact and closure
- Segmented design provides flexibility and easy alignment
- Installation is quick and easy
- Improved sealing performance withstands higher flow rates, making it ideal for closed-circuit SAG mill applications



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