



# SAFE QUALITY LOADER

## GST SQL MUCKING LOADER

Introducing our innovative mucking loader, the SQL Loader. Designed for loading ore efficiently and safely after blasting in the development end, the SQL Loader is the ultimate solution for your mining operations. At GST, our priority was to ensure that our loader is not only safe, but also accurate and highly effective. That's why SQL stands for "**Safe, Quality, Loading**", reflecting our commitment to providing a top-notch product that meets all your mining needs and reduces your cleaning times. Choose the SQL Loader for a reliable solution that gets the job done for effectively.

### DETAILS

- ✓ Weight: 8100kg
- ✓ Conveyor Capacity: 80tons/h
- ✓ Tramming Speed: 0.37 / 0.75m / sec
- ✓ Conveyor Speed: 42 m / min
- ✓ Conveyor chain: Single chain single motor

### SAFETY

- Operator is more than three meters from the face and under a canopy.
- Much safer loading operation compared to a conventional loader.
- Operator always under permanent support (roof bolts) while cleaning the face.
- No need to install sliding rails while cleaning; only jump sets needed to complete cleaning.
- Mechanical barring / dressing is done during cleaning operation with no one exposed to an unsupported hang wall.
- Safer environment for development crew as barring / dressing is done mechanically.

### QUALITY

- Improved cost efficiency
- Hopper loaded to full capacity by conveyor.
- Manage overloading and minimize derailment delays.
- Minimum derailments reduce cost to rail maintenance.
- Increase development rate as longer rounds can be cleaned.





Learn More:



## »» LOADING

The GST Loader efficiently cleans a normal round in under two hours, contingent upon the availability of the hopper. This not only improves the overall working conditions by making them more acceptable and favourable but also facilitates the development of skills.

## »» DIMENSIONS

- Weight: 8100kg
- Conveyor chain: Single chain single motor
- Adaptive tunnel slope: 1:100
- Min. turning radius:  $\geq 12m$
- Clearance from track:  $\geq 103m$
- Conveyor inner width: 555mm
- Maximum Boom angle:  $\pm 36^\circ$
- Dimension (Transportation): L 6,836m | W 1,783m | H 1,986m
- Dimension (Operating): L 7,675m | W 3,033m | H 2,648m

## »» PERFORMANCE

- Loading capacity: 80 tons/h
- Traming speed: 0.37 / 0.75 m / sec
- Conveyor chain speed: 42m / min
- Track gauge available in: 610mm, 762mm and 914mm
- Steering: Rail bound

## »» CLIENTS



Anglo American  
Sibanye-Stillwater



Safe Operating  
Distance of  
**3m from the  
face**



**80 Ton**  
Loading  
Capacity per hour



**Hopper  
Optimization**  
through loading to  
full capacity



Ability to load a  
hopper to  
capacity in  
**under 2 min**