



Incline Conveyor Operations

# CONVEYOR BELT ARRESTOR



The ICO Conveyor Belt Arrestor has been designed and developed to catch (arrest) any incline conveyor belt that breaks or snaps due to normal wear and tear on incline conveyor systems. The ICO Conveyor Belt Arrestor is mounted below the head pulley where the most belt breakages occur. The ICO Conveyor Belt Arrestor traps both the top and bottom conveyor belt and prevents it from running back down the incline. Both ends are then in close proximity to facilitate easy splicing.

The ICO Conveyor Belt Arrestor **reduces the risk of injury or fatalities** due to belt and material rolling back down the incline.

The ICO Conveyor Belt Arrestor also **improves productivity** as it reduces down time caused by broken belts by up to 90%.

The ICO Conveyor Belt Arrestor **reduces damage** to the existing incline conveyor structure caused by a belt and material rolling down the incline following a broken or snapped belt.

The ICO Conveyor Belt Arrestor is manufactured from **SABS approved** material and has been **tested and approved by the CSIR**.

SOUTH AFRICAN PATENT NO: 97/11198

INTERNATIONAL PATENT NO: 6,814,220

# The robust, cost-effective, simple no maintenance solution to you conveyor belt problems

## Features and Benefits

- The belt is caught within less than a second of the belt breaking. Constructed from laser cut profiles from 3/4" high strength steel.
- Seven heavy duty models - to fit any width of conveyor.
- Anti-corrosive epoxy coatings are used to protect the device and can be galvanised for extremely corrosive environments.
- Works on any incline conveyor system.
- Practically maintenance free after installation. The standard rollers that are used in the machine would be included in the normal preventative maintenance schedule for the rest of the conveyor system.

## When a Belt Breaks it can Cause:

- Long periods of Downtime
- Injury Risk to Employees
- Loss of Revenue
- Misallocation of Manpower

## The ICO Conveyor Belt Arrestor:

- Reduces time to get belt repaired and operating again.
- Material is not lost, it can stay on the belt while repairs are made.
- Improves safety of employees working near the belt.
- Increases the overall plant or mine output.

## For More Information:

### Incline Conveyor Operations

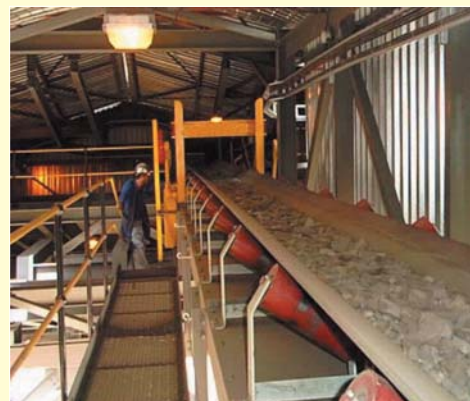
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## Reference Sites:

SA Platinum Mines, SA FerroChrome & Mining, Herculite Ferrochrome, Harmony Gold Mine, Anglo Platinum, Goldfields, Kumba Resources, Debswana, Palabora Mining Company, Aquarius Platinum



Caught Belt - Tension Side



Caught Belt - Slack Side



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