



Belt Rip Detector Nip Guard Removal Protector

Application:

The Bramco Belt Rip Detection Unit has been manufactured to detect beltrips on Conveyor belt systems.

Operation:

When a belt rip occurs the belt will catch the ripcord at the bottom and pull the pin out of the box. This action will cause the micro switches to operate and could be wired to stop the belt.

Design Objectives:

The belt rip detector was developed to work in areas where electronic devices normally fail due to excessive dust or mud. Electronic sensors need to be maintained and cleaned on a regular basis whilst the belt rip detector is maintenance free. The belt rip detector is built to handle the toughest conditions that typically exist on conveyors.

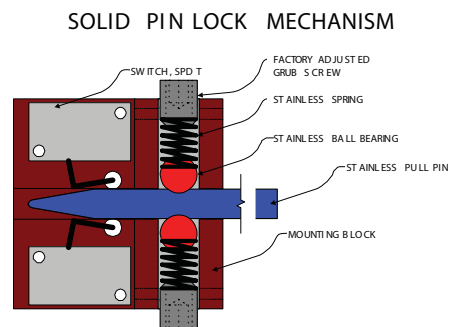
Ordering Information:

Order Code

A01385 Belt Rip Detector

Features:

- Housed in a robust IP 68 Enclosure.
- Tripping contacts can be wired into any existing tripping or monitoring mechanism.
- Pin shearing is avoided as the pin box swivels in the direction of the pulling action.
- 2 x NO and 2 x NC contacts.
- Solid pin lock mechanism.
- Any termination box can be used to accommodate electronics.
- Cost effective with no maintenance required under normal conditions.
- Operation is not affected by Water, dust, dirt or mud.
- Stainless pull pin sealed with rubber o-ring.
- Proven over many years of use in a hostile mining industry.
- Steel cable ripcord. (Optional)



Bramco Belt Rip anchored with a 12mm D Shackle.



The 6mm galvanised chain installed to hang at the same curve as the conveyor.



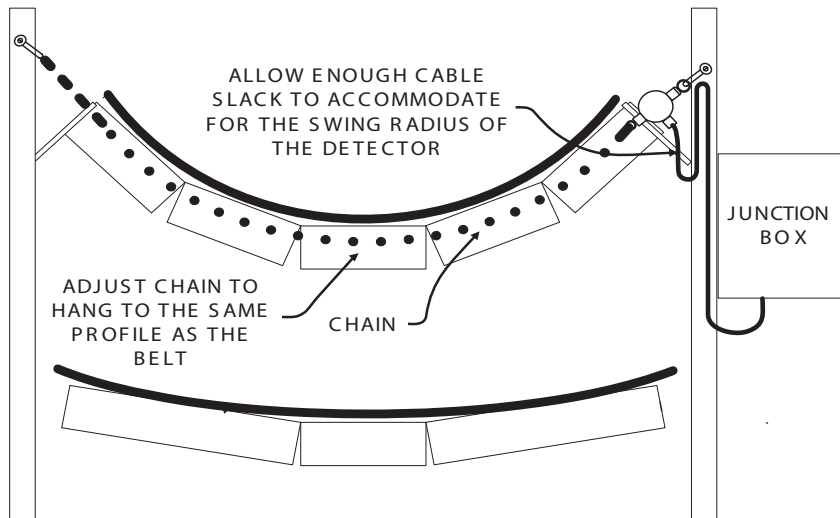
The other end of chain anchored with a 6mm D Shackle, which is adjustable.



Switch connections inside Rip Detector. Pin is held in position with two spring loaded ball bearings.



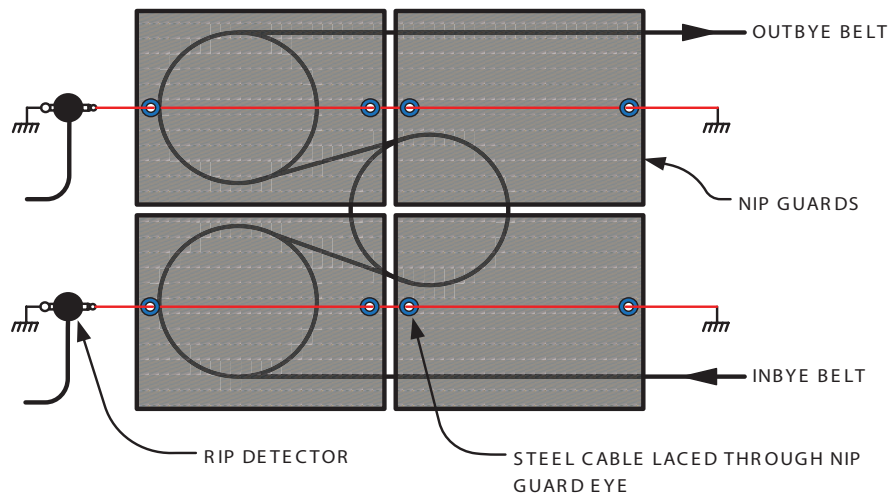
Belt Rip Detector Nip Guard Removal Protector



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BELT RIP DETECTOR USED AS NIP GUARD REMOVAL SWITCH



Dimensions:

