BRC1 Belt Rip Detector

The Bramco Belt Rip Detection Unit is manufactured to detect belt rips on Conveyor belts. The BRC is supplied with complete installation kit, including BRC1, 2m chain, D shackles, 2m Cable, wired to tripping Contacts. As an optional extra our mounting brackets can be ordered for ease of installation.

Design Objectives

The BRC1 were developed to work in areas where electronic devices normally fail due to excessive dust or mud. Electronic sensors needs to be maintained and cleaned on a regular basis whilst the BCR1 is maintenance free. The BCR1 is built to handle the toughest conditions that typically exist on conveyors.

Features

- Extremely rouged.
- Completely Non-corrosive. All components are manufactured of brass or stainless.
- Impact resistant.
- Easy to install.
- Pin shearing is avoided as the pin box swivels in the direction of the pull action.
- Solid Pin Lock Mechanism with spring loaded ball bearings.
- Maintenance free.
- Operation is not affected by Water, Dust, Dirt or Mud.
- Cost Effective.
- Proven over many years of use in a hostile mining Industry.
- 2 x SPDT switches
- IEC IP67 Rating
- UV Resistant
- Chemical Resistant

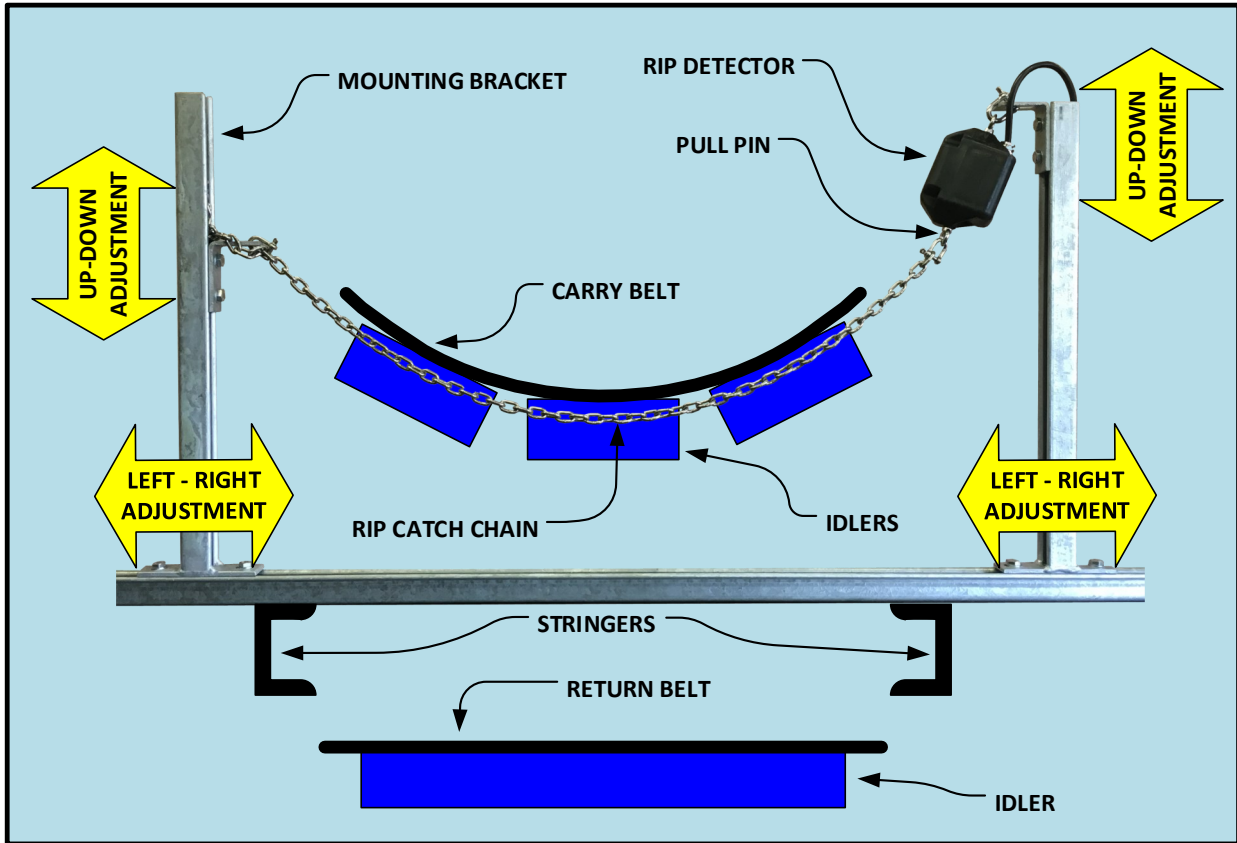| Description	Image
The BRC1 is anchored with a D Shackle to the mounting bracket. The cable is fed through the unistrut to protect it from damage. The BRC height is adjustable with the unistrut bracket.	
The other end of the chain is anchored to the mounting bracket with a D Shackle. The length of the chain and the height of the bracket is adjustable.	
The chain is adjusted on both ends to hang at the same curve as the belt. The distance between the chain and the belt should be the same .	
Switch connections inside Rip Detector. Pin is held into position with two spring-loaded ball bearings.	
Lid Screws remains attached to the lid and cannot lose easily.	
Two O ring seals on the pull pin ensure that the enclosure maintain a IP67 rating whilst the pin is secured.	

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Specifications

Contacts:	2 x SPDT
Contact Rating:	3A @ 250VAC
Pull Pin Force:	43.6N
Enclosure IP:	IC IP67 (With pin secured)
Enclosure Material:	High Impact Glass Reinforced Nylon
Approved Safety standards of Contacts :	VDE (EN61058-1)

Enclosure size

145mm(L) x 76mm(W) x 100mm(H)

Ordering Information

Belt Rip Detector, Chain Type:	S11507A
Belt Rip Detector, (Chain Type, SS):	S11508A
Belt Rip Detector, (Cable Type):	S11506A
Belt Rip Detector Mounting Bracket (Galvanised Unistrut c/w Bolts, Spring Nuts & Washers)	S11523

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